



# Monthly Index *of* Russian Accessions



Volume 18, No. 5

August 1965

---

THE LIBRARY OF CONGRESS  
WASHINGTON : 1965



## INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS\* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. *Biul. eksp. biol. i med.* 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, \$14.00 a year domestic, \$5.00 a year additional for foreign mailing.

L. C. card, 48-46562

\*Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

# SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaOTR	Royal Canadian Institute, Toronto, Canada.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.		(Collection included with CaOTU)
AU	University of Alabama, University	CaOTU	University of Toronto, Toronto, Canada
AzTeS	Arizona State College, Tempe	CaQMAI	Arctic Institute of North America, Montreal, Canada
AzU	University of Arizona, Tucson	CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal, Canada
C	California State Library, Sacramento	CaQMM	McGill University, Montreal, Canada
CCC	Honnold Library, Claremont, Calif.	CaQMU	La Bibliothèque de l'Université de Montréal, Montreal, Canada
CFS	Fresno State College, Fresno, Calif.	CaSSU	University of Saskatchewan, Saskatoon, Canada
CL	Los Angeles Public Library	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CLCM	Los Angeles County Museum Library, Los Angeles	CoD	Denver Public Library
CLL	Los Angeles County Law Library, Los Angeles	CoDM	Medical Society of the City and County of Denver
CLM	Los Angeles County Medical Association, Los Angeles	CoFS	Colorado State University, Fort Collins
CLSU	University of Southern California, Los Angeles	CoU	University of Colorado, Boulder
CLSU-H	— Hancock Library of Biology	CtHT	Trinity College, Hartford, Conn.
CLU	University of California at Los Angeles	CtU	University of Connecticut, Storrs
CMthL	University of California, Lick Observatory, Mount Hamilton	CtW	Wesleyan University, Middletown, Conn.
CPT	California Institute of Technology, Pasadena	CtY	Yale University, New Haven
CSf	San Francisco Public Library	CtY-L	— Law Library
CSfA	California Academy of Sciences, San Francisco	CtY-M	— Medical School Library
CSfU	University of San Francisco, San Francisco	DAIA	American Institute of Architects Library, Washington, D. C.
CSmH	Henry E. Huntington Library, San Marino, Calif.	DAL	U. S. Army Library, Pentagon Building
CSt	Stanford University Libraries, Stanford, Calif.	DBC	U. S. Bureau of the Census Library
CSt-H	— The Hoover Institution on War, Revolution, and Peace	DBS	U. S. National Bureau of Standards Library
CSt-L	— Lane Medical Library	DC	U. S. Department of Commerce Library
CStbS	University of California, Santa Barbara Library, Goleta	DCU	Catholic University of America Library, Washington, D. C.
CStmoR	Rand Corporation, Santa Monica, Calif.	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CU	University of California, Berkeley	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CU-A	— University of California, Davis	DFR	Board of Governors of the Federal Reserve System
CU-B	— Bancroft Library, Berkeley	DI	U. S. Department of the Interior Library
CU-E	— East Asiatic Library, Berkeley	DI-GS	— Geological Survey Library
CU-M	— Medical Center, San Francisco	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CU-Riv	— College of Arts, Letters and Science, Riverside	DN	U. S. Department of the Navy Library.
CU-S	— Scripps Institution of Oceanography, La Jolla	DN-HO	— Naval Oceanographic Office Library
CaAEU	University of Alberta, Edmonton, Canada	DN-Ob	— Naval Observatory Library
CaBVa	Vancouver Public Library, Vancouver, Canada	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CaBVaU	University of British Columbia, Vancouver, Canada	DNAL	National Agricultural Library
CaBViPA	Provincial Archives, Victoria, Canada	DNH	National Institutes of Health Library, Bethesda, Md.
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DNLM	U. S. National Library of Medicine
CaNBfU	University of New Brunswick, Fredericton, Canada	DNW	U. S. National War College Library, Fort McNair
CaOKQ	Queen's University, Kingston, Canada	DP	U. S. Patent Office Library
CaOL	London Public Library, London, Canada	DS	U. S. Department of State Library
CaOLU	University of Western Ontario, London, Canada	DSC	Scottish Rite Supreme Council Library
CaOOA	Public Archives Library, Ottawa, Canada	DSI	Smithsonian Institution Library, Washington, D. C.
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DSI-AO	— Astrophysical Laboratory Library
CaOCCC	Carleton College, Ottawa, Canada	DSI-E	— Bureau of American Ethnology Library
CaOOF	Department of Finance Library, Ottawa, Canada	DSI-M	— National Museum Library
CaOOG	Geological Survey of Canada, Ottawa, Canada	DWB	U. S. Weather Bureau Library
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada	DeU	University of Delaware, Newark
CaOOH	Laboratory of Hygiene, Ottawa, Canada	FMU	University of Miami, Coral Gables, Fla.
CaOOM	Bureau of Mines Library, Ottawa, Canada	FTaSU	Florida State University, Tallahassee
CaOON	National Research Council, Ottawa, Canada	FU	University of Florida, Gainesville
CaOONDR	Library, Directorate of Scientific Information Service, Defence Research Board, Ottawa, Canada	GAT	Georgia Institute of Technology, Atlanta
CaOONM	National Museum, Ottawa, Canada	GEU	Emory University, Atlanta
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada	GU	University of Georgia, Athens
CaOOU	University of Ottawa, Ottawa, Canada	HU	University of Hawaii, Honolulu
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada	I	Illinois State Library, Springfield
		IArg	Argonne National Laboratory, Argonne, Ill.
		IC	Chicago Public Library
		ICA	Art Institute of Chicago, Chicago

ICAC	American College of Surgeons Library, Chicago	MMeT	Tufts University, Medford, Mass.
ICF	Chicago Natural History Museum, Chicago	MNS	Smith College, Northampton, Mass.
ICJ	John Crerar Library, Chicago	MskM	Mount Holyoke College, South Hadley, Mass.
ICN	Newberry Library, Chicago	MWaiB	Brandeis University, Waltham, Mass.
ICRL	Center for Research Library, Chicago. Midwest Interlibrary Center	MWelC	Wellesley College, Wellesley, Mass.
ICU	University of Chicago, Chicago	MWhB	Marine Biological Laboratory, Woods Hole, Mass.
ICU-Y	Yerkes Observatory, Williams Bay, Wis.	MdAN	U. S. Naval Academy, Annapolis
ICarBS	Southern Illinois University, Carbondale	MdBJ	Johns Hopkins University, Baltimore
IEN	Northwestern University, Evanston, Ill.	MdBJ-W	— William H. Welch Medical Library
IEN-C	— Joseph Schaffner Library of Commerce, Chicago	MdBWA	Walters Art Gallery, Baltimore
IEN-M	— Medical School Library, Chicago	MdU	University of Maryland, College Park
IHi	Illinois State Historical Library, Springfield	MeB	Bowdoin College, Brunswick, Maine
IU	University of Illinois, Urbana	MeWC	Colby College, Waterville, Maine
IaAS	Iowa State University of Science and Technology, Ames	MiD	Detroit Public Library
IaU	State University of Iowa, Iowa City	MiDA	Detroit Institute of Arts
IaU-L	— College of Law Library	MiDW	Wayne State University, Detroit
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MiEM	Michigan State University, East Lansing
IdU	University of Idaho, Moscow	MiMidD	Dow Chemical Company, Midland, Mich.
In	Indiana State Library, Indianapolis	MiU	University of Michigan, Ann Arbor
InIA	Indiana Academy of Science Library, Indianapolis	MiU-C	— William L. Clements Library
InLP	Purdue University, Lafayette, Ind.	MiU-L	— Law Library
InND	University of Notre Dame, Notre Dame, Ind.	MnSJ	James Jerome Hill Reference Library, St. Paul
InU	Indiana University, Bloomington	MnU	University of Minnesota, Minneapolis
KAS	St. Benedict's College, Atchison, Kan.	MnU-A	— Department of Agriculture Library, St. Paul
KMK	Kansas State University, Manhattan	MnU-B	— Bio-Medical Library
KU	University of Kansas, Lawrence	MnU-L	— Law Library
KU-L	— School of Law Library	MoFC	Central College, Fayette, Mo.
KU-M	— Medical Center Library, Kansas City	MoKL	Linda Hall Library, Kansas City
KyU	University of Kentucky, Lexington	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MoS	St. Louis Public Library
LU	Louisiana State University, Baton Rouge	MoSB	Missouri Botanical Garden, St. Louis
MA	Amherst College, Amherst, Mass.	MoSU	St. Louis University, St. Louis
MB	Boston Public Library	MoSW	Washington University, St. Louis
MBA	American Academy of the Arts and Sciences, Boston	MoU	University of Missouri, Columbia
MBat	Boston Athenaeum, Boston	MaSM	Mississippi State University, State College
MBM	Boston Medical Library, Boston	MsU	University of Mississippi, Oxford
MBN	Boston Society of Natural History, Boston	MtBC	Montana State College, Bozeman
MBU	Boston University	MtU	Montana State University, Missoula
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	N	New York State Library, Albany
MCM	Massachusetts Institute of Technology, Cambridge, Mass.	NAurW	Wells College, Aurora, New York
MH	Harvard University, Cambridge, Mass.	NB	Brooklyn Public Library
MH-A	— Arnold Arboretum, Jamaica Plain	NBB	Brooklyn Museum Libraries, Brooklyn
MH-AH	— Andover-Harvard Theological Seminary Library	NBC	Brooklyn College, Brooklyn
MT DH	— U. S. Meteorological Observatory, Station Library	NBG	Brooklyn Botanic Garden, Brooklyn
		NBM	Academy of Medicine of Brooklyn Library, Brooklyn
		NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
		NBuB	Buffalo Society of Natural Sciences, Buffalo
		NBuU	University of Buffalo, Buffalo
		NCH	Hamilton College, Clinton, N. Y.
		NCornC	Corning Glass Works Library, Corning, N. Y.
		NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
		NIC	Cornell University, Ithaca, N. Y.
		NIC-A	— State Colleges of Agriculture and Home Economics
		NN	New York Public Library
		NNA	American Geographical Society, New York
		NNBG	New York Botanical Garden, Bronx Park, New York
		NNC	Columbia University, New York
		NNC-L	— Law Library
		NNC-M	— Medical Library
		NNC-T	— Teachers College Library
		NNCC	Chemists' Club, New York
		NNCoCi	College of the City of New York, New York
		NNCorM	Cornell University Medical College Library, New York
		NNE	Engineering Societies Library, New York
		NNF	Fordham University, New York

NIS	Library for Intercultural Studies, New York	OKS	Oklahoma State University, Stillwater
NJ	Jewish Theological Seminary of America, New York	OKU	University of Oklahoma, Norman
NM	American Museum of Natural History, New York	OCN	Oregon State University, Corvallis
NMM	Metropolitan Museum of Art Library, New York	OrPR	Reed College, Portland, Ore.
NNAM	New York Academy of Medicine, New York	OrU	University of Oregon, Eugene
NPH O	Institute of Ophthalmology, Presbyterian Hospital, New York	P	Pennsylvania State Library, Harrisburg
NR	Russell Sage Foundation, College of the City of New York	PBL	Lehigh University, Bethlehem, Pa.
NRI	Rockefeller Institute for Medical Research, New York	PBm	Bryn Mawr College, Bryn Mawr, Pa.
NU	New York University Libraries, New York	PIC	Haverford College, Haverford, Pa.
NU H	University Heights Library	PLF	Franklin and Marshall College, Lancaster, Pa.
NU W	Washington Square Library	PP	Free Library of Philadelphia
NU N	United Nations Library, New York	PPAN	Academy of Natural Sciences, Philadelphia
V	Vassar College, Poughkeepsie, N. Y.	PPAmP	American Philosophical Society, Philadelphia
RE	Eastman Kodak Company, Rochester, N. Y.	PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
RU	University of Rochester, Rochester, N. Y.	PPC	College of Physicians of Philadelphia
SyU	Syracuse University, Syracuse, N. Y.	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
Uph	U. S. Brookhaven National Laboratory, Upton, N. Y.	PPF	Franklin Institute, Philadelphia
ZBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.	PPPM	Philadelphia Museum of Art
ZH	International Business Machines Corporation, Thomas J. Watson Research Center, Yorktown Heights, New York	PPP	Temple University, Philadelphia
U	University of Nebraska, Lincoln	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
D	Duke University, Durham, N. C.	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
GW	Woman's College of the University of North Carolina, Greensboro	PP	Carnegie Library of Pittsburgh, Pittsburgh
RS	North Carolina State College of Agriculture and Engineering, Raleigh	PPCI	Carnegie Institute of Technology, Pittsburgh
U	University of North Carolina, Chapel Hill	PPU	University of Pittsburgh, Pittsburgh
U-H	Division of Health Affairs, (North Carolina Memorial Hospital)	PRoc	Rosemont College, Rosemont, Pa.
U	University of North Dakota, Grand Forks	PSG	Swarthmore College, Swarthmore, Pa.
D	New Hampshire State Library, Concord	PSt	Pennsylvania State University, University Park
I	Dartmouth College, Hanover, N. H.	PU	University of Pennsylvania, Philadelphia
MuA	Aviation Free Public Library, Irvington, N. J.	PU HZ	Botany-Zoology Library
MuB	Bell Telephone Laboratories, Murray Hill, N. J.	PU BI	Moore School of Electrical Engineering Library
N	Newark Public Library, Newark, N. J.	PU FA	School of Fine Arts Library
P	Princeton University, Princeton, N. J.	PU Math	Mathematics-Physics Library
PT	Princeton Theological Seminary, Princeton, N. J.	PU Mu	University Museum Library
R	Rutgers University, New Brunswick, N. J.	PU Penn	Pennman Library of Education
U(pH)	New Mexico State University of Agriculture, Engineering and Science, University Park	PU Se	Towne Scientific School Library
U	University of Nevada, Reno	RIB	Brown University, Providence, R. I.
H	Hebrew Union College, Cincinnati	RI	University of Rhode Island, Kingston
Lloyd	Lloyd Library and Museum, Cincinnati	TCU	University of Chattanooga, Chattanooga, Tenn.
U	University of Cincinnati, Cincinnati	TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Searritt College), Nashville, Tenn.
IBHS	Benedictine High School, Cleveland	TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
ICS	Case Institute of Technology, Cleveland	TU	University of Tennessee, Knoxville
JC	John Carroll University, Cleveland	TxCM	Agricultural and Mechanical College of Texas, College Station
IM	Cleveland Medical Library	TxDaM	Southern Methodist University, Dallas
IMA	Cleveland Museum of Art	TxIR	Rice Institute, Houston
W	Western Reserve University, Cleveland	TxLT	Texas Technological College, Lubbock
oH	Battelle Memorial Institute, Columbus	TxU	University of Texas, Austin
W	Ohio Wesleyan University, Delaware, Ohio	ULA	Utah State University of Agriculture and Applied Science, Logan
I	Ohio State Historical Society, Columbus	UPH	Brigham Young University, Provo, Utah
xM	Miami University, Oxford, Ohio	VIIIbV	Virginia Polytechnic Institute, Blacksburg
le	Carnegie Library, Steubenville, Ohio	VIII	University of Virginia, Charlottesville
CA	Chemical Abstracts, Ohio State University, Columbus	VIII-L	Law Library
		VIW	College of William and Mary, Williamsburg
		VIMM	Middlebury College, Middlebury, Vt.
		WAP	University of Vermont and State Agricultural College, Burlington
		WHI	Institute of Agriculture, University of Wisconsin, Madison
		WU	University of Wisconsin, Madison
		WaU	University of Washington, Seattle
		WyU	West Virginia University, Morgantown
			Wyoming University, Laramie

# MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 18, NO. 5

AUGUST 1965

## TABLE OF CONTENTS

Part A—Monographic Works	Page
1. General.....	1709
2. Bibliography.....	1709
3. Philosophy & Religion.....	1709
4. History.....	1710
5. Social Sciences.....	1711
6. Political Science.....	1714
7. Law.....	1715
8. Education.....	1715
9. Music, Theater & Motion Pictures.....	1715
10. Fine Arts.....	1716
11. Language, Literature & Folklore.....	1716
12. Geography & Geology.....	1722
13. Science.....	1723
14. Medicine.....	1725
15. Agriculture.....	1726
16. Technology.....	1727
17. Military & Naval Sciences.....	1737
 Part B—Periodicals	
1. General	
a. Scholarly journals.....	1738
b. Popular magazines.....	1740
2. Bibliography	
a. Bibliography.....	1741
b. Libraries & library science.....	1741
c. Printing & the book trade.....	1742
3. Philosophy & Religion	
Philosophy.....	1742
.....	1742
.....	1743
38.....	1744
.....	1745
.....	1746
.....	1748
.....	1748
.....	1749
.....	1749
.....	1752
.....	1754
168.....	1757

9. Music, Theater & Motion Pictures	Page
<i>a.</i> Motion pictures.....	1757
<i>b.</i> Music.....	1758
<i>c.</i> Theater.....	1758
10. Fine Arts	
<i>a.</i> General.....	1758
<i>b.</i> Architecture.....	1758
11. Language, Literature & Folklore	
<i>a.</i> Language.....	1759
<i>b.</i> Literature & folklore.....	1759
12. Geography & Geology	
<i>a.</i> Ethnology.....	1761
<i>b.</i> Geography.....	1761
<i>c.</i> Geology & paleontology.....	1762
13. Science	
<i>a.</i> General.....	1765
<i>b.</i> Astronomy.....	1772
<i>c.</i> Biology.....	1773
<i>d.</i> Chemistry.....	1781
<i>e.</i> Mathematics.....	1787
<i>f.</i> Physics.....	1788
14. Medicine	
<i>a.</i> General.....	1794
<i>b.</i> Gynecology, obstetrics & pediatrics.....	1801
<i>c.</i> Neurology & psychiatry.....	1801
<i>d.</i> Ophthalmology & otorhinolaryngology.....	.....
<i>e.</i> Pathology & therapeutics.....	1803
<i>f.</i> Pharmacy & materia medica.....	1804
<i>g.</i> Public health & nursing.....	1804
<i>h.</i> Surgery & dentistry.....	1804
<i>i.</i> Venereology & dermatology.....	.....
15. Agriculture	
<i>a.</i> General.....	1806
<i>b.</i> Animal industry.....	1810
<i>c.</i> Forestry.....	1812
<i>d.</i> Plant culture.....	1812
16. Technology	
<i>a.</i> General.....	1812
<i>b.</i> Aeronautics.....	
<i>c.</i> Chemical technology.....	
<i>d.</i> Civil & construction engineering.....	
<i>e.</i> Electrical engineering.....	
<i>f.</i> Industries & trades.....	
<i>g.</i> Mechanical engineering.....	
<i>h.</i> Mining & metallurgy.....	
17. Military & Naval Sciences	
<i>a.</i> Military science.....	
<i>b.</i> Naval science.....	

**Part C—List of Periodicals Indexed and Abbreviations  
Subject Index to Monographs and Periodicals..**

**Periodicals Available in English Translation Cover-to-Cov**



## PART A MONOGRAPHIC WORKS

### 1. GENERAL

[CHILDREN'S ENCycLOPEDIA FOR THE MIDDLE AND SENIOR AGE GROUPS] *Detnaya entsiklopediya dlya srednego i starshnego vozrasta*. Moskva, Prosveshcheniye.  
Vol. 4. [Plants and animals] Rasteniya i zhivotnye. 2. izd. 1965. 537 p.

### 2. BIBLIOGRAPHY

AKADEMIYA NAUK SSSR. [An annual of the bibliographic and library science] *Bibliograficheskiye obozry, istoriya i ekonomika*. Moskva, Nauka, 1965. 88 p.

AKADEMIYA NAUK SSSR. Institut russkoy literatury. [Old Russian manuscript in the Pushkin House, a review of the collection] *Drevnyaya knizhnitsa Pushkinskogo Doma; obzor fondov. Seriya V. I. Malyukov*. Moskva, Nauka, 1965. 220 p.

AKADEMIYA NAUK TADZHIKSSR. Institut ruskoj literatury. [Old Russian manuscript in the Pushkin House, a review of the collection] *Drevnyaya knizhnitsa Pushkinskogo Doma; obzor fondov. Seriya V. I. Malyukov*. Moskva, Nauka, 1965. 220 p.

AKADEMIYA NAUK TADZHIKSSR. Institut ruskoj literatury. [Old Russian manuscript in the Pushkin House, a review of the collection] *Drevnyaya knizhnitsa Pushkinskogo Doma; obzor fondov. Seriya V. I. Malyukov*. Moskva, Nauka, 1965. 220 p.

DAKRADZE, G. I. [Georgian studies, Georgian, Tbilisi, Georgia, 1960. 50 p. (in Georgian)]

[MICROFILM]

DEKMAN, P. M., and others. [Audio printing, technology, equipment, and recording processes] *Audiostudiya pechat', tekhnologiya, oborudovanie, otdelnyye protsessy*. Moskva, Izd-vo "Radio", 1965. 150 p.

KAMENETSKII, A. T. [Small-scale mechanization of bookstores and book warehouses] *Mikha mekhanizatsiya knizhnykh magazinov i skladov*. Moskva, Kulst, 1965. 133 p.

KONFERENTSIYA PO NAUCHNYM OSNOVAM PROTSESSOV PECHATANIYA I PUTIAM IKH SOVERSHENSTVOVANIYA. Moscow, 1961. [Transactions of the Conference on the Scientific Basis of the Processes of Printing and Methods for Their Improvement] *Trudy. Moskva, Nauka, tekhn. ob-vo poiznaniya i izdatel'stva. No. 1. [Reports] Doklady. 1961. 44 p.*

[MICROFILM]

[LITERATURE ON THE KOMI A. S. S. R. FOR 1962] *Literatura o Komi ASSR za 1962 god. Byktykar, Komi knizhnyy izd-vo, 1964. 141 p.*

MOSCOW. PUBLIKHANAIA BIBLIOTEKA. [The new in library work] *Novoe v biblioteknom delo*. Moskva, 1963. 20 p.

(NKC)

MOSCOW. PUBLIKHANAIA BIBLIOTEKA. [Old catalogues of libraries] *Staraya katalogizatsiya i katalogizatsiya knizhnykh katalogov. [Instruction for cataloguing books published in the languages of the peoples of the U. S. S. R.] Instruktsiya po opisaniiu knizh naazy-kakh narodov SSSR*. Moskva, 1963. 194 p.

MOSCOW. VSEKHOZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Bibliography on Japan, literature published in Russia from 1734 to 1917] *Bibliografiya [Japan; literatura, izdanaya v Rossii s 1734 po 1917 g. Moskva, Nauka, 1965. 376 p.*

PAPYCKY, K. [From the arrow to the book] *Naizhnyy ot strizhki k knige*. Vilnius, VAGA, 1964. 236 p. (in Lithuanian)

[PATENT LITERATURE ON PROBLEMS OF THE PRINTING INDUSTRY, 1960; a bibliographical manual] *Patentnaya literatura po voprosam poligraficheskogo proizvodstva 1960 god, bibliograficheskiye spravochnye knigi. [Bibliograficheskiye spravochnye knigi. Moskva, Izd-vo NIPOLIGRAFMA, 1963. 337 p. (Serial bibliographic literature)]*

SKAZIN, P. V. [Literature on Daghistan in Western European languages] *Literatura o Dagestane na zapadnoevropejskikhazykakh. Makhachkala, Dagestan, DIAL AN SSSR, 1964. 134 p.*

(NKC)

### 3. PHILOSOPHY & RELIGION

ATANAS'EV, V. G. [Fundamentals of philosophical knowledge; a popular textbook] *Osnovy filosoficheskogo znaniya; popularnyy uchebnik. 3., dopolnennoe i dop. izd. Moskva, Myt', 1965. 412 p.*

(MII)

AKADEMIYA NAUK SSSR. Institut filosofii. [Selected passages from the works of Hsueh-shan thinkers; end of the 10th to the middle of the 10th century. Translated from the Hungarian] *Izbrannyye proizvedeniya xueishan'skikh myslit'el' konets XVIII - nachina XIX veka*. Moskva, Nauka, 1965. 310 p.

BIBLE. [Bible, 1964. [Holy Scriptures of the Old and New Testament. Unabridged translation, made according to the original Hebrew, Aramaic and Greek texts during the Second Ecumenical Council in the Vatican] *Svyatye pismen Starogo i Novogo Zaveta. Novyy periklad, zdannyy na original'nykh yevrejskomy, gritskomy i s'elavskomy tekste pod rukovodstvom Vatskanskogo Voennoy Akademii, Rome, Vyd-vo sv. Vasyil'ana, 1963. 1970. 352 p. Illus., plates, maps.*

(NN)

DRAPKINA, M. E. [Logical exercises in elementary mathematics] *Logicheskiye uprazhneniya po elementarnym matematike*. Minsk, Vysshaya shkola, 1965. 157 p.

GAVRUSH, E. G. [Struggle between materialism and idealism over the problem of the essence of life] *Borba materializma i idealizma po voprosu o smysle zhizni*. Khar'kov, Izd-vo Khar'kovskogo univ., 1965. 120 p.

GOREVSKII, A. K. [Giordano Bruno] *Gjordano Bruno*. Moskva, Myt', 1965. 204 p. (Myt'el'nyi proslav)

GUROVA, R. G. [Hercule de la Roche] *O podvige i geroyzme*. Moskva, Izd-vo "Znanie", 1965. 61 p. (Novoe v zhizni, nauka, tekhnika. X Seriya Molodezhnaya, no. 5)

JOTA, A. H. [Research in logic. Translated from the Russian] *Logicheskiye issledovaniya*. Obshchaya red. i postanovka M. N. Alekseeva. Moskva, Progress, 1961. 500 p.

(CU) (NKC)

KARGALOV, V. V. [Feast of the Intercession of the Holy Virgin] *Pokrov*. Moskva, Izdatel', 1965. 54 p. (Dovedy s verushchelnymi)

KHARIN, N. N. [The substance and form correlation in mathematical logic] *O sostoyaniyakh modelizatsii i formy v matematicheskoj logike*. Khar'kov, Khar'kovskiy gos. universitet, 1963. 109 p.

[MICROFILM]

KRYVETEV, I. A. [Are the Biblical legends corroborated?] *Podverzhdaetsya li biblicheskaya legenda?* Moskva, Izd-vo "Znanie", 1965. 61 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya: Istoriko-kul'turnaya, no. 3)

KUZ'MINOV, G. A. [The sensational and the logical in knowledge of the microcosm] *Chuvstvennoe i logicheskoe v poznanii mikrokosmosa*. Moskva, Myt', 1965. 117 p.

LADONIKO, V. E. [Tendencies to accommodate the new social and historical conditions in the ideology and activity of modern Orthodoxy, author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] *Tendentsii prilagodeniya k novym obshchestvenno-istoricheskim usloviyam v ideologii i deyatelnosti sovremennoy pravoslavnyy avtoroferskiy doklady na soiskaniye uchennogo stepeni kandidata filosoficheskikh nauk. Nauchn. rukovoditel' M. P. Novikov*. Moskva, Mosk. gos. univ., 1964. 10 p.

[MICROFILM]

LADYGINA-KOIS, N. N. [Prerequisites of human thinking; initiative creative action by ages and children] *Prerequisity chelovecheskogo myshleniya; podrazhatel'nyy konny ulovaniye obshchestva i det'mi*. Moskva, Nauka, 1965. 100 p.

LEMYEL, V. M. [Contemporary Christianity and communism] *Sovremennoye khristianstvo i kommunizm*. Moskva, Myt', 1965. 80 p.

MARSH, I. S. [V. I. Lenin and contemporary youth goals philosophy; certain problems in V. I. Lenin's work "Materialism and empirio-criticism"] *V. I. Lenin i sovremennyye lyudi zhizni i filosofiya (nekotoryye problemy knigi V. I. Lenina "Materializm i empirio-krititsizm")*. Moskva, Izd-vo "Znanie", 1965. 47 p. (Novoe v zhizni, nauka, tekhnika. II Seriya: Filosofiya, no. 10)

PATROSHIN, D. A. [The social roots of Islam and the ways to overcome it in the conditions prevailing in Soviet Turanistan, author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] *Sotsial'nyye korni Islama i puti ego preodoleniya v usloviyakh Sovetskogo Turanistana; avtoroferskiy doklady na soiskaniye uchennogo stepeni kandidata filosoficheskikh nauk. Nauchn. rukovoditel' S. F. Anisimov*. Moskva, Mosk. gos. univ., 1964. 11 p.

[MICROFILM]

PISMANIK, M. G. [Religion and woman; author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] *Religiya i zhenskinye avtoroferskiy doklady na soiskaniye uchennogo stepeni kandidata filosoficheskikh nauk. Nauchn. rukovoditel' S. F. Anisimov*. Moskva, Mosk. gos. univ., 1964. 14 p.

[MICROFILM]

[RELIGION AND THE CHURCH] *Religiya i tserkvi; sbornik dokumentov*. Moskva, Izdatel', 1965. 127 p.

SAMOILOV, I. S., and B. P. SKORBIN. [The mask of Father Dimitri] *Maska otca Dimitriya*. Moskva, Izd-vo "Znanie", 1965. 65 p. (Prochi, tovarishchi!)

SCHWARZ, THEODOR. [From Schopenhauer to Heidegger. Translated from the German] *Ot Shopenhauera k Heideggeru*. Obshchaya red. i postanovka T. I. Oizerman. Moskva, Progress, 1964. 358 p.

(CaOTU)





- [MODERN HISTORY, textbook for pedagogical institutes] Novaya istoriya, uchebnik dlia pedagogicheskikh institutov. Moskva, Gos. uch.-pedagog. izd-vo Vol 2 1871-1917. Pod red. V. G. Revunenkova 1901-1903. 1 v. maps (in pocket) (NNC) (RFB)
- MOSCOW, AKADEMIYA OBSHCHESTVENNYKH NAUK. [Essays on the historiography of Soviet society] Ocherki po istoriografii sovetskogo obshchestva. Moskva, Mysl', 1965. 597 p.
- NAFIGOV, R. I. [Formation and development of progressive Tatar social and political thought, historical outline of the 1895-1917 period] Formirovaniye i razvitiye peiodov tatarskoi obshchestvenno-politicheskoi mysl', ocherki istorii 1895-1917 gg. [Kazan'] Izd-vo Kazanskogo univ., 1964. 444 p. (NNC)
- OCHAK, I. D. [Danilo Sidic, the red commander] Danilo Serdich, krasnyi komandir. Moskva, Politizdat, 1964. 78 p. (Gerol i podvig) (MH)
- PAVLOV, V. F., comp. [Markov soldiers in the battles and campaigns for Russia during the war of liberation, 1917-1920] Markovskiy v bolakh i pokhodakh za Rossiiu v osvoboditel'noi voine 1917-1920 godov. Paris, 1962-1964. 2 v. (NN)
- POZNAKOV, K. [In the period of foreign military intervention and the civil war, 1918-1920] V period inozemnoi volennoi interventsii ta li omadlans'kol viny, 1918-1920. [Dnipropetrovsk, Dnipropetrovsk's'ke knyzhkovye vyd-vo, 1960] 60 p. (Z istorii Dnipropetrovsk'kol oblasnoi partii i organizatsii, no. 7) (WU)
- RAMANOUSKI, V. P. [Coprincipals in crimes] Soudzal'niki u zlochynstvakh. Minsk, Belarus', 1964. 286 p. illus.
- ROGOZHIN, A. I. [Worker and peasant Soviet militia of the U.S.S.R. In the period of the foreign military intervention and the civil war, outline of lectures] Raboche-krest'ianskaya sovetkaya militsiya USSR v period inostrannoi voennoi interventsii i grazhdanskoi volny, konspekt lektsii. Khar'kov, Khar'kovskii lurid. in-t, 1964. 28 p.
- ROIG DE LEUCHSENRIER, EMILIO. [José Martí, the anti-imperialist. Translated from the Spanish] Khose Martí - anti-imperialist. Predisl. IU. V. Dashkovicha. Moskva, Izd-vo inostr. lit-ry, 1962. 141 p. (NNC)
- ROZANOV, G. L., and N. N. IAKOVLEV. [Recent history, 1917-1945; a teachers' manual] Novishnia istoriya (1917-1945); posobie dlia uchitel'ei. Izd. 2., perer. i dop. Moskva, Prosveshchenie, 1964. 270 p.
- SAL'NIKOV, K. V. [In the depths of age] V glubine vekov. [2. ispr. i dop. izd. Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1959. 139 p. (MICROFILM)
- SHOVKOPIAS, I. G. [Mezin site, history of the middle Dnieper basin in the Late Paleolithic] Mezinskaya stolanka; k istorii Srednedneprovskogo basaina v pozdnepaleoliticheskuu epokhu. Kiev, Naukova dumka, 1965. 325 p.
- SIMPOZIUM PO ARKHEOLOGII I ETNOGRAFIU IUGO-ZAPADA SSSR, 1st. [Abstracts of reports of the First Symposium on the Archaeology and Ethnology of the southwestern U.S.S.R.] Tezisy dokladov. Kishinev, Kartia moldoveniaska, 1964. 39 p. (MICROFILM)
- STEPANOV, Z. V. [Petrograd workers during the period of the preparation and execution of the October armed revolt, August-October 1917] Rabochie Petrograda v period podgotovki i provedeniia Oktiabr'skogo vooruzhennogo vosstaniia, avgust-oktiabr' 1917 g. Moskva, Nauka, 1965. 298 p.
- [STRUGGLE OF GORNYY ALTAI WORKERS FOR THE ESTABLISHMENT OF SOVIET GOVERNMENT] Bor'ba trudiashchikhsia Gornogo Altaia za ustanovlenie sovetskoi vlasti. [Gorno-Altai] Gorno-Altai'skoe knizhnoe izd-vo, 1957. 272 p. (WU)
- TARVEL, ENN. [Manor, landowner and serf, agrarian relations on the Polish estates on the territory of southern Estonia at the end of the 18th and the beginning of the 17th century] Polvark, pan i poddany, agrarnye otnosheniia v pol'skikh vladetiakh na teritorii Uzhnoi Estonii v kontse XVI-nachale XVII veka. Tallinn, Akad. nauk Estonskoi SSR, 1965. 348 p.
- TREMBACH, I. S. [Paths of heroism, sketches] Dorogi podvigor, ocherki. Elista, Kalngosidat, 1963. 183 p. (CSL-H)
- ULASHCHIK, N. N. [Prerequisites of the 1861 peasant reform in Lithuania and western White Russia] Predposylki krest'ianskoi reformy 1861 g. v Litve i Zapadnoi Belorussii. Moskva, Nauka, 1965. 478 p.
- URAL'SKOE ARKHEOLOGICHESKOE SOVESICHANIE, 2d. [Results of field studies in the Urals in 1960, reports] Itogi polevykh issledovani na Urals v 1960 g.; [doklady] Sverdlovsk, Ural'skii gos. univ., 1962. 126 p. (Voprosy arkheologii Urala, no. 2) (MICROFILM)
- UTCHENKO, S. L. [Crisis and fall of the Roman Republic] Krizis i padeniie Rimskoi Respubliki. Moskva, Nauka, 1965. 286 p.
- VESELY, JINDRICH. [Czechs and Slovaks in revolutionary Russia in 1917-1920. Translated from the Czech] Chechi i slovaki v revoliutsionnoi Rossii 1917-1920 gg. Moskva, Voenizdat, 1965. 180 p.
- VISHNIKOVA-AKIMOVA, V. V. [Two years in a China in revolt, 1925-1927] Dva goda v vosstavshem Kilaie, 1925-1927, vospominaniia. Moskva, Nauka, 1965. 389 p.
- VLADYKINA, E. D. [My girl friends, combatants] Druzhinnitsy, podrugii moi. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 135 p. (CSL-H)
- VOLOGDA (Province). [Upravlenie vnutrennikh dei. Arkhivnyi otdel. [Vologda] Archives, collection of documents and materials] Vologodskii arkhiv; sbornik dokumentov i materialov. [Vologda] Vologodskoe knizhnoe izd-vo, No. 1. 1961. 219 p. (MICROFILM)
- VOLYNKIN, I. T. [Over five seas] Nad platiu moriami. Moskva, Voenizdat, 1964. 66 p. (Gerol-sovremenniki)
- VTOROV, N. V., and S. A. LIUBOVITSKII. [On the near approaches; a documentary tale] Na blizhnikh podstupakh; dokumental'naya povest'. [Moskva] Mosk. rabochii, 1965. 206 p.
- VVEDENSKYI, A., V. DIADYCHENKO, and V. STREL'SKIY. [Auxiliary historical subjects, a brief course] Dopolnitel'ni istoricheskiye dyatsypliny: korotkii kurs. Kyiv, Radians'ka shkola, 1963. 206 p. (NN)
- ZADONSKII, N. A. [Secrets of past times; historical studies] Tainy vremen minushih; istoricheskie etudy. Voronezh. Tsentral'no-Chernozemnoe izd-vo, 1964. 106 p.
- ZHUKOV, V. I., comp. [Cities of Bessarabia, 1812-1871; survey of documentary materials] Goroda Bessarabii 1812-1871 gg.; obzor dokumental'nykh materialov. Kishinev, Izd-vo "Shtintsa" Akad. nauk Moldavskoi SSR, 1962. 83 p. (MICROFILM)
- ABRAMOV, S. A., M. I. MARINICHEV, and P. D. POLIAKOV. [Network methods of planning and administration; use of electronic computers for planning and administering engineering development] Setevye metody planirovaniia i upravleniia; primeniianie EVM dlia planirovaniia i upravleniia inzhenernymi razrabotkami. Moskva, Sovetskoe radio, 1965. 166 p.
- AKADEMIYA NAUK SSSR. Sibirskoe otdelenie. Institut gornogo dela. [Some problems concerning the strengthening of the role of science in the building of communism, materials for a scientific and practical conference] O nekotorykh voprosakh usileniia roli nauki v stroitel'stve kommunizma, materialy k nauchno-praktichesko konferentsii. Novosibirsk, 1965. 226 p.
- AKADEMIYA NAUK URSS, Kiev. Institut ekonomiki. [Problems of economics and statistics] Pytannia ekonomiki i statystiky. Kyiv, Naukova dumka, 1965. 231 p.
- AKADEMIYA NAVUK BSSR, Minsk. Institut filasofii. [Social changes in the working class of White Russia during the process of the building of communism] Sotsial'nye izmeneniia rabocheho klasa Belorusii v protsesse stroitel'stva kommunizma. Minsk, Nauka i tekhnika, 1965. 255 p.
- AKADEMIYA NAVUK BSSR, Minsk. Institut istorii. [Communism is being created by the work of millions] Kommunizm sozdetsia trudom millionov. [Minsk] Nauka i tekhnika [1964] 305 p.
- ALMA-ATA, NARODNOKHOZIAISTVENNAIA VYSTAVKA KAZAKHISKOI SOVETSKOI SOTSIALISTICHESKOI RESPUBLIKI. [Guide to the Exhibition of the National Economy of the Kazakh Soviet Socialist Republic] Zhon silteushi. Almaty, 1961. 156 p. [In Kazakh and Russian]
- ANDREEV, P. A., and I. A. S. CHERKASSKII. [Economic analysis of the balance sheet of a shipbuilding enterprise] Ekonomicheskii analiz balansu sudostroitel'nogo predpriiatiia. Leningrad, Sudostroenie, 1965. 203 p.
- ANDRONOV, L. I. [Economic efficiency of the technological reorganization of a machinery manufacturing plant] Ekonomicheskaya effektivnost' tekhnicheskogo perevorozhdeniia mashinostroitel'nogo zavoda. Moskva, Mashinostroenie, 1965. 182 p.
- BABUSHKINA, M. P. [Small-scale wholesale mail order trade of the cooperative societies of the U.S.S.R.] Melkooptovaia posylochnaia torgovlia potrobitel'skoi kooperatsii SSSR. Moskva, Izd-vo Tsentrosoyuz, 1963. 147 p. (CaOTU)
- BAKLANOV, G. I. [Statistical measurement of labor productivity in industry] Statisticheskoe izmerenie proizvoditel'nosti truda v promyshlennosti. Moskva, Statistika, 1965. 61 p.
- BARAKIN, A. P. [Business accounting on river-going merchant ships] Khoziaistvennyi raschet rechnykh transportnykh sudov. Moskva, Transport, 1965. 107 p.
- BARNGOL'TS, S. B. [Working capital of U. S. S. R. industry] Oborotnye sredstva promyshlennosti SSSR. Moskva, Finansy, 1965. 281 p.
- BELENKII, M. N. [Economics of railroad passenger transportation] Ekonomika zheleznodorozhnykh passazhirskikh perevozok. Moskva, Transport, 1965. 275 p.
- BIRMAN, A. M. [Several problems of the science of national economic administration] Nekotorye problemy nauki ob upravlenii narodnym khoziaistvom. Izd. 2., perer. i dop. Moskva, Ekonomika, 1965. 86 p. (Obuzhdaem problemu sovershenstvovaniia planirovaniia, no. 12)
- BIZHANOVA, M. I. [Material stimuli for speeding up technical progress in industry] Material'nye stimuly uskoreniiia tekhnicheskogo progressa v promyshlennosti. Pod nauchnoi red. V. G. Lebedeva. Moskva, Mysl', 1964. 87 p. (MH)
- BOGOVALENSKII, S. P., comp. [Friendship strengthened by blood] Druzhba, skreplennaya krov'iu. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1963. 165 p. (MH)
- BRAZHNIK, A. S., and B. S. SHEGLOV. [Manual on accounting in an industrial enterprise] Spravochnoe posobie po bukhal'terskomu uchetu v promyshlennom predpriiati. Minsk, Belarus', 1964. 436 p.

## 5. SOCIAL SCIENCES

- [CHEMICALIZATION OF INDUSTRIAL PRODUCTION IN WHITE RUSSIA] Khimizatsia promyshlennogo proizvodstva Belo-Russii. Minsk, Nauka i tekhnika, 1965. 126 p.
- CHERNIAVSKII, G. I. [For a cheap fish, collection of economic and methodological articles] V pokhod za dshchevnu rybu, sbornik ekonomicheskikh i metodicheskikh statei. Kuzhno-Sakhalinsk [Sakhalinskoe knizhnoe izd-vo, 1962]. 118 p. [MICROFILM]
- CHINCHIKOV, A. M. [History of socialist reorganization of U.S.S.R. agriculture, 1917-1963, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Istoriografiia sotsialisticheskogo preobrazovaniia sel'skogo khoziaistva SSSR (1917-1963 gg.), avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' G. V. Sharapov. Moskva, Mysl', 1964. 17 p. [MICROFILM]
- CHUDAROV, L. A. [Keep it so, Kozhedub Pioneers! Tak derzhat', kozhedubovtsy! Moskva] Molodala gvardiia, 1965. 125 p. (Dlia tekh kto rabotaet s pionerami)
- CHURAKOV, K. I. [Construction projects of the seven-year plan] Stroiki semiletki. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 62 p. [MICROFILM]
- DAINOVSKII, A. [Planning major construction, lectures in the course on "Planning the national economy of the U.S.S.R."] Planirovanie kapital'nogo stroitel'stva, lektsii po kursu "Planirovanie natsionalnogo khoziaistva SSSR." L'ov, L'ovskii torgovo-ekon. in-t, 1959. 52 p. [MICROFILM]
- DEDOV, G. M. [System of continuous operative planning of material and technical supplies at a machinery enterprise] Sistema neprieryvnogo operativnogo planirovaniia material'no-tekhnicheskogo snabzheniia na mashinostroitel'nom predpriatii. Leningrad, 1965. 33 p. (Leningradskii dom nauchno-tekhnicheskoi piopagandy Peiedoi oi proizvodstvennyi opyt. Seriia "Ekonomika, organizatsiia i planirovanie proizvodstva")
- DZEVENTSKII, G. I. A. [Automation of the irrigation system of Uzbekistan and methods for determining its economic efficiency] Avtomatizatsiia irrigatsionnykh sistem Uzbekistana i metody opredeleniia ee ekonomicheskoi effektivnosti. Tashkent, in-t ekonomiki i organizatsii sel'skokhoziaistvennogo proizvodstva, 1961. 53 p. [MICROFILM]
- DZHUNUSALIEV, MALABAI, and V. I. LUKSHIT. [Volunteer guards of Kirghizistan] Druzhinniki Kirgizii. Frunze, Kirgizskoe gos. izd-vo, 1964. 69 p. (CS-H)
- [THE ECONOMIC REGIONS OF THE UKRAINIAN S.S.R. a manual] Ekonomichni ratony URSR; dovidnyk. Kyiv, Naukova dumka, 1965. 190 p.
- [ECONOMICS, ORGANIZATIONS, AND PLANNING OF THE POWER SUPPLY] Ekonomika, organizatsiia i planirovanie energeticheskogo khoziaistva zheleznodorozhnogo transporta. [By] T. K. Vysokov i dr. Moskva, Transport, 1965. 237 p.
- ESTIMAA LENINLIK KOMMUNISTLIK NOORSOOHUNG. Keskkomitee. [On the upgrade] Touulained, Tallinn, Eesti Riiklik Kirjastus, 1961. 145 p. [In Estonian] (MH)
- EMEL'IANOV, V. I. [Technical and economic calculations in technological processes; methodology and exercises] Tekhniko-ekonomicheskie raschety v tekhnologicheskikh protsessakh, metodika i uprazhneniia. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1961. 223 p. [MICROFILM]
- EREMEYEV, G. F., A. I. ILINICH, and G. S. TKACHENKO. [Principles of savings management] Osnovy sberegatel'nogo dela. Pod red. A. G. Zvereva. Moskva, Finansy, 1965. 107 p.
- [FABULOUS STRENGTH] Skazochnaia sila. Moskva, Politizdat, 1965. 183 p.
- FEOFANOV, O. A. [Espionage in the service of business] Shpiionazh radi biznesa. Moskva, Politizdat, 1965. 93 p.
- [FROM DIARIES OF OUR CONTEMPORARIES] Iz dnevnikov sovremennikov. [Moskva] Molodala gvardiia, 1965. 494 p. (Tebe v dorogu, romantik)
- GALKIN, M. A., and I. V. TOPKOV. [Collection of problems for the course "The organization and planning of an industrial enterprise"] Sbornik zadach po kursu "Organizatsiia i planirovanie promyshlennogo predpriatiia." Moskva, Ekonomika, 1965. 135 p.
- GARIAEV, S. M. [Friendship among peoples as a powerful source of the development of the Yakut A.S.S.R.] Druzhiba narodov - moguchii istochnik razsveta Iakutskoi ASSR. Iakutsk, Iakutskoe knizhnoe izd-vo, 1964. 120 p. (CS-H)
- GERCHUK, I. A. P. [Applicational limits of linear programming] Granitsy primeneniia lineinogo programmirovaniia. Moskva, Ekonomika, 1965. 71 p. (Obsuzhdaem problemy sovershenstvovaniia planirovaniia, no. 10)
- GLEBOV, I. A., and S. P. LIUSHIN. [Guarding public order] Na strazhe obshchestvennogo poriadka. [Vologda] Vologdskoe knizhnoe izd-vo, 1962. 64 p. [MICROFILM]
- [A GLORIOUS 40th ANNIVERSARY. Translated from the Tajik] Slavnoe sookaletie. Dushanbe, Izd-vo "Irfon," 1964. 368 p. (40-letiiu Tadzhikskoi Respubliki)
- GOL'DBERG, A. M., F. G. DOLGUSHEVSKII, and L. M. KRAMAROVSKII. [Collection of problems on the statistics of capital construction] Sbornik zadach po statistike kapital'nogo stroitel'stva. Moskva, Statistika, 1965. 254 p.
- GRANT, J. [On the other side... From the life of my friends. Translated from the German] Po tu storonu... Iz zhizni moikh znakomykh. Moskva, Gos. izd-vo polit. lit-ry, 1963. 103 p. (Ncd)
- GUROV, V., and M. SVERDLOV. [Overcoming the essential differences between mental and physical work] O preodolenii sushchestvennykh razlichii mezhdu umstvennyim i fizicheskim trudom. Kishinev, Karla moldovenianske, 1964. 57 p. (MH)
- [HEROISM OF EVERYDAY LIFE, sketches and stories about the Moscow Red Banner Militia] Gerolka budnei, ocherki i rasskazy o Moskovskoi krasnoznamennoi militsii. [Moskva] Mosk. rabochii, 1964. 262 p. (CS-H)
- HONTA, T. T. [Taming of the dragon; a sketch] Pryborkannia drakona; narys. Kyiv, Derzhlitvyddav Ukrainy, 1963. 81 p. (Ludy i problemy semyrichky)
- IAKUSHA, G. B. [Technical and economic bases of developing electric power production in the economic regions of the Ukrainian S.S.R.] Tekhniko-ekonomicheskie osnovy i razvitiia elektroenergetiki ekonomicheskikh raiionov Ukrainskoi SSR. Kiev, Naukova dumka, 1965. 251 p.
- IASINSKII, A. D. [How to increase the output of merchantable lumber] Kak povysiti vykhod delovoi drevesiny. [Vologda] Vologodskoe knizhnoe izd-vo, 1963. 106 p. [MICROFILM]
- IOFFE, I. G. [Organization and planning of knit goods production] Organizatsiia i planirovanie trikotazhnogo (vialaznogo) proizvodstva. Moskva, Legkaiia industriia, 1965. 237 p.
- ISAKOV, V. I., and M. A. KOROLEV. [Principles of designing the mechanization of accounting and planning work] Osnovy proektirovaniia mekhanizatsii ucheto-planovykh rabot. Moskva, Statistika, 1966. 250 p.
- IUNIK, I. B., and K. A. MISEIUK. [Financing and issuing credit for capital investments in agriculture] Finansirovanie i kreditovanie kapital'nykh vlozhenii v sel'skoe khoziaistvo. Moskva, Finansy, 1965. 206 p.
- KABO, LIUBOV. [It is sad to be a petit bourgeois!...] Neveselo byt' meshchaninom!... Moskva, Politizdat, 1965. 53 p. (Viemia i ludi)
- KAZBEKOV, G. V. [Formation and development of the working class in Northern Osetia, 1860-1940] Formirovanie i razvitiie rabocheho klassa v Severnoi Osetii, 1860-1940 gg. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 136 p. (MH)
- KHABLIUK, V. P. [Characteristics of the postwar cycle in the U.S.A., author's abstract of a dissertation for the degree of Candidate of Economic Sciences] Osobennosti poslevoennogo tsikla v SSHA, avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata ekonomicheskikh nauk. Nauchn. rukovoditel' V. S. Afanas'ev. Moskva, Mysl', 1964. 10 p. [MICROFILM]
- KIEV (Province) Statystychnye upravlinnia. [Economy of Kiev Province; a statistical abstract] Narodne hospodiarstvo Kyivs'koi oblasti, statystychnyi zbirnik. Kyiv, Derzh. stat. vyd-vo, 1960. 255 p. [MICROFILM]
- KISELEV, I. A., and M. G. MOSHINSKII. [Bourgeois labor theories in the service of monopolies] Burzhuaznye teorii truda na sluzhbu monopolii. Moskva, Mysl', 1965. 139 p.
- KOLOSOV, A. G., K. S. TITOV, and T. I. FREIMAN. [Turnover tax on food products] Nalog s oborota po proizvodstvennym tovarum. Moskva, Finansy, 1965. 213 p.
- KOSOLAPOV, R. I. [Communism and freedom; problem of the liberation of labor] Kommunizm i svoboda; problema osvobodzheniia truda. [Moskva] Izd-vo Mosk. univ., 1965. 137 p.
- KOTOV, D. N., and S. I. CHESTNOV. [End of the crooked path] Konets krivoi tropy. Alma-Ata, Kazgostizdat, 1962. 125 p. [MICROFILM]
- KUPTSOV, V. I. [On the nature of statistical regularities, author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] O prirode statisticheskikh zakonomenostei; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata filosoficheskikh nauk. Nauchn. rukovoditel' F. I. Georgiev. Moskva, Mosk. gos. univ., 1963. 14 p. [MICROFILM]
- LATVIAN S.S.R. Statistiskas pai valde. [Soviet Latvia in figures, a statistical abstract] Padomju Latvija skaitos; statistisko datu kraujums. Sovietiska Latvija v tairakh; statisticheski sbornik. Riga, Izdevniecibas "Statistika" Latvijas nodala, 1965. 390 p. [In Latvian and Russian]
- LEDOVSKII, S. I., and D. M. PATYK. [State monopoly capitalism in Austria after the Second World War] Gosudarstvenno-monopolisticheskii kapitalizm v Avstrii; posle Vtoroi mirovoi volny. Moskva, Mysl', 1965. 141 p.
- LOZA, G. M., ed. [Practical aid for the organization and planning of production on collective and state farms] Praktikum po organizatsii i planirovaniu proizvodstva v kolhozakh i sovkhozakh. Moskva, Karos, 1965. 526 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
- LOZIUK, M. I. [Latin America and the U.S.A.; aggravation of economic contradictions] Latynska Amerika i SSHA; posyleniia ekonomicheskikh suporechnostei. Kyiv, Naukova dumka, 1965. 296 p.
- [MANUAL ON ACCOUNTING ON STATE FARMS AND OTHER STATE AGRICULTURAL ENTERPRISES] Spravochnik po bukhgalterskomu uchetu v sovkhozakh i drugikh gosudarstvennykh sel'skokhoziaistvennykh predpriatiakh. Moskva, Kolos, 1965. 415 p.
- MAR, N. I. [In search of happiness] V poiskakh schastiia. Moskva, Politizdat, 1964. 125 p.
- MARTYNYENKO, L. M. [Increasing labor productivity in the metallurgical industry] Povyshenie proizvoditel'nosti truda v metallurgicheskoi promyshlennosti. [Stalino] Knizhnoe izd-vo Stalino-Donbasa, 1960. 64 p. (Voprosy konkretnoi ekonomiki metallurgicheskoi promyshlennosti) [MICROFILM]

- MASHKOV, A. P. [Development of social relations during the period of the transition from socialism to communism] Razvitiye obshchestvennykh otноsheniy v period perekhoda ot sotsializma k kommunizmu. [Leningrad] Izd-vo Leningr. univ., 1965. 130 p.
- MEN'SHIKOV, S. M. [Millionaires and managers, the modern structure of the financial oligarchy in the U. S. A.] Millionery i menedzhery, sovremennaya struktura finansovoy oligarkhiy SSHA. Moskva, Mysl', 1965. 454 p.
- MEN'SHIKOVA, Z. I. [Technical and economic indices in the potash industry and prospects for the expansion of production and consumption of potash fertilizers during the period ending in 1970] Tekhniko-ekonomicheskie pokazateli v kalfinoi promyshlennosti i perspektivy i osta proizvodstva i potrebleniya kalfinykh udobreniy na period do 1970 goda. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niya AN SSSR, 1965. 8 p.
- [METHOD OF TEACHING POLITICAL ECONOMY] O metodike prepodavaniya politicheskoy ekonomii, sbornik statei. [Leningrad] Lenizdat, 1965. 181 p. (Iz opyta raboty kafedry obshchestvennykh nauk vuzov Leningrada)
- MIKHAILOV, M. V., comp. [Planning and economical operation on collective farms] Planirovaniye i rezhim ekonomii v kolhozakh. Moskva, Ekonomika, 1965. 258 p.
- MOISEEV, P. P., and M. A. GASRATIAN. [Turkey] Turtsiya. Moskva, Mysl', 1965. 150 p.
- MOSCOW. AKADEMIA OBSHCHESTVENNYKH NAUK. [The Leninist system of party-state control and its role in the construction of socialism, 1917-1932] Leninskaya sistema partitno-gosudarstvennogo kontrolya i ego rol' v stroitel'stve sotsializma (1917-1932 gg.). Moskva, Mysl', 1965. 203 p.
- MOSCOW. AKADEMIA OBSHCHESTVENNYKH NAUK. [Practice and methods of applied sociological studies] Opyt i metodika konkretnykh sotsiologicheskikh issledovaniy. Pod red. G. E. Glezermana i V. G. Afanas'eva. Moskva, Mysl', 1965. 350 p.
- MOSCOW. AKADEMIA OBSHCHESTVENNYKH NAUK. [Problems of increasing the efficiency of public labor in the U. S. S. R.] Problemy povysheniya effektivnosti obshchestvennogo truda v SSSR, sbornik statei. Red. kollegiya: A. N. Grzhegorzhevskiy i dr. Moskva, Mysl', 1965. 364 p.
- MOSCOW. INSTITUT NARODNOGO KHOZIAISTVA. Kafedra statistiki. [Mathematical and statistical methods in applied economics] Matematicheskie i statisticheskie metody v konkretnoi ekonomike. Moskva, 1963. 190 p. (IBC)
- MOSCOW. NAUCHNO-ISSEDOVATELSKII EKONOMICHESKII INSTITUT. [Structure of capital investments in the U. S. S. R. and the U. S. A.; analysis and methods of comparison] Struktura kapital'nykh vlozheniy SSHA; analiz i metody sopostavleniya. Pod obshchey red. V. P. Krasovskogo i A. S. Tolkacheva. Moskva, Ekonomika, 1965. 250 p.
- MOSCOW. NAUCHNO-ISSEDOVATELSKII FINANSOVYI INSTITUT. [Organization of collective-farm finance] Organizatsiya finansov kolhoza. Moskva, Finansy, 1964. 243 p.
- MURMANSK (Province) Oblastnoye statisticheskoye upravleniye. [National economy of Murmansk Province; statistical abstract] Narodnoye khozaistvo Murmanskoy oblasti; statisticheskii sbornik. Murmansk, 1957. 94 p. (NN)
- MYNCHENKO, V. P. [The industrial Ukraine] Ukraina industrial'na. Kyiv, Politytyday Ukrainy, 1965. 61 p.
- NAUCHNAIA KONFERENTSIYA PO VOPROSAM PRIME-NENIYA MATEMATICHESKIKH METODOV I EVM V EKONOMICHESKIKH ISSEDOVANIYAKH, Tashkent, 1963. [Application of mathematical methods and electronic computers in economic research; conference materials] Primeneniye matematicheskikh metodov i EVM v ekonomicheskikh issledovaniyakh; materialy Konferentsii. Tashkent, Izd-vo "Nauka." UzSSR, 1965. 277 p.
- NAUCHNO-TEKHNIЧЕСКОЕ OBSHCHESTVO BUMAZH-NOI I DEREVOOBRABATYVAYUSHCHEI PROMYSHLENNOSTI. Karelskoye oblastnoye pravleniye. [Kem' Sawmill is an advanced sawmilling enterprise] Kemskii lesorazvod - peredovoye predpriyatie lesopile-niya. Petrozavodsk, Karelskoye knizhnoye izd-vo, 1964. 25 p. (Vystavka dostizheniy narodnogo khozaistva SSSR) [MICROFILM]
- NAUCHNO-TEKHNIЧЕСКОЕ OBSHCHESTVO BUMAZH-NOI I DEREVOOBRABATYVAYUSHCHEI PROMYSHLENNOSTI. Karelskoye oblastnoye pravleniye [Petrozavodsk Housing Construction Combine] Petrozavodskii domostroitel'nyi kombinat. Petrozavodsk, Karelskoye knizhnoye izd-vo, 1964. 38 p. (Vystavka dostizheniy narodnogo khozaistva SSSR) [MICROFILM]
- NEMCHINOV, V. S. [Further improvement of planning and administration of the national economy] O dal'нейшем sovshenshtvovanii planirovaniya i upravleniya narodnym khozaiistvom. 2. Izd. Moskva, Ekonomika, 1965. 73 p.
- NICHKOV, V. N. [Timber export of the U. S. S. R. and the international timber trade] Lesnoi eksport SSSR i mezhdunarodnaya lesnaya trgovlya. [Perev. i dop. izd.] Moskva, Vneshtorgizdat, 1964. 298 p. illus., tables (CU) (CaOTU)
- NOZDRACHEV, N. D., V. A. DUBODELOV, and I. I. MIROSHNIKOV. [Wages in construction] Oplata truda v stroitel'stve. Kiev, Budivelnik, 1965. 148 p.
- OBSHCHESTVO "ZNANIYE" RSFSR. [Overcoming of the vestiges of the past and crime prevention] Preodoleniye perezhitkov proshlogo i bor'ba s prestupnost'yu, sbornik statei. Moskva, 1964. 61 p. (V pomoshch' lektoru) [MICROFILM]
- OPRISHCHENKO, A. I. [Historiography of the socialist competition of the working class of the U. S. S. R.; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Istoriografiya sotsialisticheskogo sorenovaniya rabochego klassa SSSR; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' Z. A. Astapovich. Moskva, Mysl', 1964. 15 p. [MICROFILM]
- ORLOV, N. A., and S. A. KHETINMAN, eds. [U. S. A. Industry in 1920-1963, technical and economic trends and structural changes] Promyshlennost' SSHA v 1920-1963 gg.; tekhniko-ekonomicheskie tendentsii v strukturnye sdvigi. [By] L. I. A. Berlil dr. Moskva, Ekonomika, 1965. 408 p.
- OSIPOV, I. A. [Industrial hygiene and the effect of electromagnetic fields of radio frequencies on workers] Gigiena truda i vliyanie na rabotayushchikh elektromagnitnykh polei radiochastot. [Leningrad] Meditsina, 1965. 210 p.
- OSMANOV, AKHMED. [Place of the Communist Youth League is on the front line] Mesto komzomola - na poidennoy krae. Makhachkala, Dagestanskoye knizhnoye izd-vo, 1964. 32 p. (CST-II)
- PAL'YANOVA, B. P. [Victory of the Great October Socialist Revolution and the emancipation of Turkmen women] Pobeda Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii i raskreposticheniye zhenshchin-turkmenok. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1957. 141 p. (MII)
- PANDAKOV, V. I. [New enterprises in the industrial economies of economic councils] Novye predpriyatia v ekonomike promyshlennosti sovnarkhozov. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niya AN SSSR, 1964. 93 p. (MII)
- PRAZIAN, I. [The Transcaucasian Economic Region] Zakavkazskii ekonomicheskii raion. Baku, Azerbaidzhanskoye gos. izd-vo, 1964. 61 p.
- PURKIN, B. L., and O. P. RABIN. [Engineering search, Master; skotchess] Inzhenernyi poisk Master; ocherki. Saratov, Privolzhskoye knizhnoye izd-vo, 1964. 45 p. (Gerol nashikh dni)
- RAKHMANOV, I. U. N. [Progressive forms of payments in construction] Progreessivnye formy raschetov v stroitel'stve. Leningrad, 1965. 30 p. (Leningradskii dom nauchno-tehnicheskoy propagandy. Peredovoi proizvodstvennyi opyt. Seriya Stroitel'noye proizvodstvo)
- [RATES MANUAL NO. 4.] Tarifnoye rukovodstvo No. 4. Moskva, Transport. Book 1. [Distance rates between railroad stations, sections, and junctions. In effect from July 1, 1965] Tarifnye rassstolaniya mezhdu stantsiyami uchastkov i uzlovymi punktami zheleznykh dorog. Vvedeno v delistvie s 1 iulya 1965 g. 1965. 370 p.
- RAZUMOV, N. A. [Technological progress and the economic efficiency of production] Tekhnicheskii progress i ekonomicheskost' proizvodstva. [Moskva] Mosk. rabochii, 1965. 125 p.
- [REFERENCE BOOK ON THE TRADE UNIONS OF THE U. S. S. R.] Spravochnaya kniga o professional'nykh soizuzakh SSSR. [Moskva] Profizdat, 1965. 443 p.
- ROMANOVA, Z. I. [Problems of economic integration in Latin America] Problemy ekonomicheskoy integratsii v Latinskoy Amerike. Moskva, Nauka, 1965. 249 p.
- RUSSIA (1917- R. S. F. S. R.) Tsentral'noye statisticheskoye upravleniye. [The R. S. F. S. R. in 1964, a concise statistical abstract] RSFSR v 1964 godu; kratkii statisticheskii sbornik. Moskva, Statistika, 1965. 127 p.
- RUSSIA (1917- R. S. F. S. R.) Zapadno-Uralskii ekonomicheskii administrativnyi raion. Upravleniye kadrov i uchebnykh zavedeniy. Uchebno-metodicheskii kabinet. [Practice in teaching the social science course in special secondary schools] Opyt prepodavaniya kursa obshchestvovedeniya v srednikh spetsial'nykh uchebnykh zavedeniakh. [Perm'] Permskoye knizhnoye izd-vo, 1964. 45 p. [MICROFILM]
- RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Price list No. 1 of the average district estimated prices of materials, wares, and elements] Tseennik No. 1 srednikh raionnykh smetnykh tsen na materialy, izdelia i konstruktii. Moskva, Stroizdat. Pt. 3. [Materials and wares for sanitary engineering work] Materialy i izdelia dlya sanitarno-tehnicheskikh rabot. 1965. 191 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noye statisticheskoye upravleniye. [Results of carrying out the national economic plan of the U. S. S. R. and the Union Republics in 1964, communiqué of the Central Statistical Board of the U. S. S. R. and the Central Statistical Board of the Union Republics] Itogi vypolneniya narodnohozhai-stvennogo plana SSSR i soizuznykh respublik v 1964 godu, soobshcheniya TsSU SSSR i TsSU soizuznykh respublik. Moskva, Statistika, 1965. 254 p.
- SAVASHKEVICH, V. M. [Shifting freight haulage from railroad to automotive transportation; practice of two transportation junctions] Perekluchenie perevozok gruzov s zheleznodorozhnogo transporta na avtomobil'nyy; opyt dvukh transportnykh uzlov. Moskva, Transport, 1964. 44 p.
- SEMIENIUK, G. F. [Big textile bourgeoisie of Moscow and tsarist economic policy at the end of the 19th century, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Krupnaya moskovskaya tekstil'naya burzhuaziya i ekonomicheskaya politika tsarizma v kontse XIX veka, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' P. I. Kabanov. Moskva, Mosk. obl. pedagog. in-t, 1964. 19 p. [MICROFILM]
- SHAMIDE, A. I. [The labor and trade-union movement in Iran after the Second World War, 1946-1953] Rabochee i professionalnoye dvizheniye v Irane posle Vtoroi Mirovoy volny, 1946-1953 gg. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 210 p.
- SHINDIALOV, N. A. [Socialist construction in Amur Province in 1922-1926; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Sotsialisticheskoye stroitel'stvo na Amure v 1922-1926 gg.; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' P. I. Kabanov. Moskva, Mosk. gos. pedagog. in-t, 1963. 20 p. [MICROFILM]

SHKALIKOV, N. S., and V. GRIGOR'EV. [The West Siberian Economic Region] Zapadno-Sibirskii ekonomicheskii. [Novosibirsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1963. 62 p.

[MICROFILM]

SIDOROV, P. P., and A. I. KOVALEV. [Economics of river transportation, production economics, organization, and planning] Ekonomika rechnogo transporta, ekonomika, organizatsiia i planirovanie proizvodstva. Moskva, Transport, 1965. 283 p.

SLEPOV, I. A. [Technical progress and the organization of construction] Tekhnicheskii progress i organizatsiia stroitel'nogo proizvodstva. Moskva, Ekonomika, 1965. 143 p.

SMIRNITSKII, E. K. [Think and count, an aid for practical studies in economics study groups and seminars in industrial enterprises] Podumat'e, podschitate, posobie dlia prakticheskikh zaniatii v ekonomicheskikh kruzhkakh i seminarakh na promyshlennom predpriatii. Moskva, Politizdat, 1965. 174 p.

SMULEVICH, B. I. A. [National health and sociology] Narodnoe zdorov'e i sotsiologiya. Moskva, Mysl', 1965. 230 p.

STOGNII, N. I. [Zaporozh'ye Province, its nature and economy] Zaporozhskaia oblast', priroda i khoziaistvo. [Zaporozh'ye] Zaporozhskoe knizhnoe-gazetnoe izd-vo, 1963. 273 p.

SUSLOV, I. P. [Industrial statistics in V. I. Lenin's works] Statistika promyshlennosti v rabotakh V. I. Lenina. Moskva, Statistika, 1965. 116 p.

SVOBODIN, V. A. [Determining optimal sizes for collective farms (as exemplified by Ulyanovsk Province), author's abstract of a dissertation for the degree of Candidate of Economics] Ustanovlenie optimal'nykh razmerov kollektivov (na primere Ulyanovskoi oblasti); avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata ekonomicheskikh nauk. Moskva, Vses. nauchno-issl. in-t ekonomiki sel'skogo khoz., 1963. 20 p.

[MICROFILM]

TAGIEVA, SH. A. K. [Forms of landownership and land use in Iran at the end of the 19th and the beginning of the 20th century] XIX esrin sonu ve XX esrin evvellerinde Iranda torpag mulkiyeti formalary ve torpagdan istifade gajdalary. Bakı, Azerbaican SSR Elmiler Akademiyasy, Neshriyatı, 1964. 245 p. [In Azerbaijani]

TARASOV, K. S. [Alliance for the sake of plunder] Soluz radi grabezha. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no 8)

TATEVOSOV, K. G. [Principles of operation and production planning in a machinery-manufacturing enterprise] Osnovy operativno-proizvodstvennogo planirovaniia na mashinostroitel'nom predpriatii. Moskva, Mashinostroyeniye, 1965. 375 p.

TEMKINA, I. M. [Economic cooperation of socialist countries at a new stage, a textbook] Ekonomicheskoe sotrudnichestvo sotsialisticheskikh stran na novom etape, uchebnoe posobie. Sverdlovsk, Ural'skii gos. univ. im. A. M. Gorkogo, 1963. 30 p. (CSI-H)

[TRADE-UNION MASS CULTURAL WORK; a collection of guiding materials] Kul'turno-massovaya rabota profsoyuzov, sbornik rukovodivshchikh materialov. [Moskva] Profizdat, 1965. 191 p.

USIK, P. V., and R. D. FEDOTOVA, eds. [Increasing the economic efficiency of capital investments in the industry of the Moldavian S. S. R.] K voprosu povysheniia ekonomicheskoi effektivnosti kapital'nykh vlozhenii v promyshlennosti MSSR. Kishinev, Izd-vo "Shtitnitsa" Akad. nauk Moldavskoi SSR, 1962. 99 p.

VELICHKO, O. L. [Criticism of West German bourgeois historiography of the socialist industrialization of the U. S. S. R.; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Kritika zapadno-germanskoi burzhuaznoi istoriografii sotsialisticheskoi industrializatsii SSSR; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' V. I. Salov. Moskva, Mosk. obl. pedagog. in-t, 1964. 19 p. [MICROFILM]

VOLKOV, G. N. [Age of robots or age of man? Sociological problems of technological development] Era robotov ili era cheloveka? Sotsiologicheskie problemy razvitiia tekhniki. Moskva, Politizdat, 1965. 157 p.

[WORLD OF SOCIALISM IN FACTS AND FIGURES, 1963; handbook] Mir sotsializma v tsifrakh i faktakh, 1963 - . [spavochnik]. Moskva, Politizdat, 1964. 1 v. (NS) U

ZHUKOVETS, V. I. ["Builder" is an honorable title] Stroitel' - pochetnoe zvanie. [Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1962] 18 p. [Tribuna rabochego avtora]

[MICROFILM]

ZHURAVLEV, V. G. [Finances of the United States of America] Finansy Soedinennykh Shtatov Ameriki. Moskva, Mosk. finansovyi in-t, 1962. 63 p. [MICROFILM]

## 6. POLITICAL SCIENCE

ABUTALIPOV, CH. A. [International relations of Uzbekistan] Mezhdunarodnye svyazi Uzbekistana. Tashkent, Gos. izd-vo UzSSR, 1964. 117 p. (CSI-H)

AKADEMIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Motive forces of U. S. foreign policy] Dvizhushchie sily vneshnei politiki SSHA. Moskva, Nauka, 1965. 526 p.

BAKURSKII, A. I. [From state government to public self-government] Ot gosudarstvennosti - k obshchestvennomu samoupravleniiu. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 93 p. [MICROFILM]

BOROVIK, G. A. [Blazing Island] Pylalushchii ostrov. [Moskva] Molodatskaia gvardiia, 1964. 141 p. (Chest', otvaga, muzhestvo) (NNC)

BUSYGIN, A. I. [From a club to a seminar] Ot kruzhka k seminaru. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 35 p. (CSI-H)

CHEREMNYKH, P. S., ed. [Combination of state and public participation in the management of society] Sochetanie gosudarstvennykh i obshchestvennykh nachal v upravlenii obshchestvom. Moskva, Mysl', 1965. 229 p.

[CHRESTOMATHY ON THE HISTORY OF THE CPSU IN TWO VOLUMES] Khrestomatiia po istorii KPSS v dvukh tomakh. Moskva, Politizdat, 1965. 2 v.

[DEPUTIES RELATE] Deputaty rasskazyvalut. Tallin, Estgostizdat, 1964. 72 p. (CSI-H)

DZHANGVELADZE, G. A. [Unveiling the bourgeois falsification of the nationality policy of the CPSU, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Razoblaichenie burzhuaznoi falsifikatsii natsional'noi politiki KPSS; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' B. T. Baglikov. Moskva, Mysl', 1964. 15 p. [MICROFILM]

EFREMOV, P. N. [Russia's foreign policy during the period from 1907 to 1914; author's abstract of a dissertation for the degree of Doctor of Historical Sciences] Vneshniala politika Rossii v period 1907-1914 gg.; avtoreferat dissertatsii na soiskanie uchenoi stepeni doktora istoricheskikh nauk. Moskva, Mosk. gos. in-t mezhdunarodnykh otnoshenii, 1963. 42 p. [MICROFILM]

EREMOV, G. A. [Stages in the development of the constitution of Soviet Georgia. Etapy razvitiia konstitutsii Sovetskoi Gruzii. Tbilisi, Izd-vo TGU] 1960. 427 p. [In Georgian and Russian] [MICROFILM]

GASRATIAN, M. A. [Turkey during the years 1960-1963, an essay on its foreign policy] Turtsiia v 1960-1963 godakh; ocherk vnutrennei politiki. Moskva, Nauka, 1965. 175 p.

[HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION] Novegodne liidu Kommunistliku partei ajalugu. Teine, taideandatud trükk. Tallinn, Eesti Riiklik Kirjastus, 1963. 733 p. [In Estonian]

KHUDAIBERDYEV, I. A. [Development of the Communist Party of Turkmenistan] Osnovanie Kommunisticheskoi partii Turkmenistana. Ashkhabad, Turkmen-skoe izd-vo, 1964. 214 p. (CSI-II)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA [Program and Statute of the Communist Party of the Soviet Union] Programma [i] Ustav Kommunisticheskoi partii Sovetskogo Soiuza. Moskva [Politizdat] 1964. 287 p. (NNC)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Iakutskii oblastnoi komitet, Dom politicheskogo prosveshcheniia. [Work experience of the propagandists] Ob opyte raboty propagandistov. Iakutsk, Iakutskoe knizhnoe izd-vo, 1964. 71 p. (CSI-II)

LATVIAN S. S. R. Augstaka Padome, [Meeting of the 11th Supreme Soviet of the Latvian S. S. R. first session, March 10-17, 1959. Verbalin report] Latvijas PSR piekta sasaukuma Augstakas Padomes seds pirma sesija 1959 gada 10-18 marta, Stenografisks raksts. Riga, Latvijas Valsts izd-va, 1959. 346 p. [In Latvian and Russian] [MICROFILM]

LENNIN, V. I. [V. I. Lenin about collective leadership] V. I. Lenin o kollektivnosti rukovodstva; sbornik. Moskva, Politizdat, 1965. 239 p.

MAIER, HARRY, and PETER STIER. [Fascism and political clericalism. Translated from the German] Faschizm i politicheskii klerikalizm. Moskva, Izd-vo inostr. lit-ry, 1963. 231 p. (CSI-II)

MAKHIOV, A. S. [Efficacy of political education] Delistvennost' politicheskogo prosveshcheniia. [Moskva] Mosk. rabochii, 1964. 77 p. (NDP)

MAL'KOV, V. V. [Public control in Soviet state administration] Obshchestvennyi kontrol' v sovetskoi gosudarstvennom upravlenii. [Moskva] Izd-vo Mosk. univ., 1965. 122 p.

MATVIEIKO, M. V. [To the members and partisans of the Organization of Ukrainian Nationalists and to all Ukrainians living outside the borders of their homeland] Do chleniv i sympatykiv OUN na do vshchuk ukraintsev, iaki zhuyut poza mezhamy ridnoi zemli. Kyiv, 1960. 15 p. (MII)

MOSCOW. VOENNO-POLITICHESKAIA AKADEMIIA. Kafedra nauchnogo kommunizma. [Fundamentals of scientific communism; a course of lectures] Osnovy nauchnogo kommunizma; kurs lektsii. Moskva, Voentizdat, No. 1. 1965. 188 p.

MURASHOV, S. I., ed. [Lecture course on the history of the CPSU] Kurs lektsii po istorii KPSS. Moskva, Vysshiaia shkola, Pt. 1. Izd. 2., dop. i perer., 1965. 642 p.

ROMANOVSKII, S. K. [The means of rapprochement of peoples; foreign cultural and scientific relations of the Soviet Union] Srodstvo sblizheniia narodov; o zarubezhnykh kul'turnykh i nauchnykh svyaziakh Sovetskogo Soiuza. Moskva, Izd-vo "Znanie," 1965. 39 p. (Novoe v zhizni, nauka, tekhnika. VII Seriya: Mezhdunarodnaia, no. 8)

ROSTOV-ON-DON. INSTITUT SEL'SKOKHOZIAISTVENNOGO MASHINOSTROYENIIA. [Problems of the history of the CPSU and philosophy] Voprosy istorii KPSS i filosofii. Rostov-na-Donu, 1961. 200 p. [MICROFILM]

[THEY WERE DELEGATES TO THE 22d CONGRESS OF THE CPSU] Oni byli delegatami XXII s'ezda KPSS. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 142 p. (CSI-H)

VORONTSOV, I. U. V. ["Disinformation" is also business, notes on the propaganda machinery of United States monopolies] Dezinformatsiia - eto tozhe biznes; zameki o propagandistskoi mashine monopolii SSHA. Moskva, Politizdat, 1965. 109 p. (Zapad nashikh dnei)

## 7. LAW

ARMENIAN S.S.R. Laws, statutes, etc. [Decree on the bar of the Armenian S.S.R. Confrmed by the law of the Armenian S.S.R. of March 7, 1961, passed by the Fifth Supreme Soviet of the Armenian S.S.R. (fifth session). Polozhenie ob advokature Aimalanskoi SSR. Uverzhdeno zakonom Aimalanskoi SSR of 7 marta 1961 goda, priyatyn na platot sesasi Verkhovnogo Soveta Aimalanskoi SSR platogo sozyva Erevan, [Ed. Verkhovnogo Soveta Aimalanskoi SSR] 1961. 22 p. [In Armenian and Russian]

[MICROFILM]

DAVIDOVICH, I.A.I., and B.F. KHRUSTALEV. [Hiring, transfer, labor discipline and dismissal of employees] Priem na rabotu, perovod, distsiplina truda i uvol'nenie rabotnikov. Izd. 2., 1961, 1 dop. [Kazan'] Izd-vo Kazanskogo univ., 1964. 154 p.

DAVYDOV, P.M., and I.I. SEMERIKOV. [Forms for criminal procedure documents, aid for organs of investigation] Obraztzy ugovolno-protsessual'nykh dokumentov; posobie dlia organov doznanii. Pod red. E.A. Enel'ianova. Svei dlovsk, Sverdlovskii iuridicheskii in-t, 1961. 121 p.

[MICROFILM]

ESTONIAN S.S.R. Laws, statutes, etc. [Civil code of the Estonian S.S.R.] Grazhdanski kodex Estoniskoi SSR. Tallinn, Estonskoe gos. izd-vo, 1964. 302 p. (CS-II)

GAL'PERIN, L.D. [Issues of disciplined performance of contracts in Soviet trade] Voprosy dogovornoi distsipliny v sovetskoi torgovle. Tomek, Izd-vo Tomskogo univ., 1961. 38 p.

[MICROFILM]

GUSEL'NIKOV, V.V. [On public trial] Na sud obshchestvennosti. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 83 p.

[MICROFILM]

KAZAKH S.S.R. Laws, statutes, etc. [Civil Code of the Kazakh S.S.R.] Grazhdanski kodex Kazakhskoi SSR. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 318 p.

KAZAKH S.S.R. Laws, statutes, etc. [Civil Procedure Code of the Kazakh S.S.R.] Grazhdanski protsessual'nyi kodeks Kazakhskoi SSR. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 271 p.

KIRGHIZ S.S.R. Laws, statutes, etc. [Criminal and Criminal Procedure Code of the Kirghiz S.S.R. Passed by the Fifth Supreme Soviet of the Kirghiz S.S.R., fourth session, December 20, 1960] Ugolovnyi i ugolovno-protsessual'nyi kodeksy Kirghizskoi SSR. Priyatyn na chetvertoi sessii Verkhovnogo Soveta Kirghizskoi SSR platogo sozyva 20 dekabria 1960 goda. [n.p.] Izd. Verkhovnogo Soveta Kirghizskoi SSR, 1961. 282 p.

[MICROFILM]

LAPIROV-SKODLO, M. IA. [Quality of production in the decisions of the state arbitration agencies] Kachestvo produktiv v praktiko Gosarbitrazha. Moskva, Iuridicheskaya literatura, 1965. 84 p.

MAKINENKO, A. KIL. [Basic institutions of state law of the European people's democratic countries; a text-book] Osnovnye instituty gosudarstvennogo prava evropeiskikh stran narodnoi demokrati; uchebnoe posobie. Moskva, Vses. iuridicheskii znachnyi in-t, 1964. 325 p.

MOZOKHINA, A. G. [Personal liberties and fundamental rights of citizens in the socialist countries of Europe] Svoboda lichnosti i osnovnye prava grazhdan v sotsialisticheskikh stranakh Evropy. Moskva, Nauka, 1965. 204 p.

PURTSKHVANDZE, D. Z. [Crimes against life and health; according to Soviet law. Prestupleniia protiv zhizni i zdorov'ia, po sovetskomu ugolovnomu pravu. Tbilisi, Izd-vo TGU] 1960. 102 p. [In Georgian]

[MICROFILM]

ROSTOV-ON-DON. UNIVERSITET. [Theory of state and law; bibliography, 1954-1964] Teoriia gosudarstva i prava; bibliografiia 1954-1964. Bost. M. N. Kulazhnikov. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 210 p.

[SAFETY ENGINEERING AND INDUSTRIAL SANITATION, a collection of regulations] Tekhnika bezopasnosti i proizvodstvennaia sanitariia; sbornik pravil. [Moskva] Profizdat, 1965. 302 p.

SAPARGALIEV, M. S. [Two worlds, two systems of courts and law] Dva mira - dve sistemy suda i zakonosti. Alma-Ata, Izd-vo "Kazakhstan," 1965. 142 p.

STUCHKA, P. I. [Selected works on the Marxist-Leninist theory of law] Izbrannee proizvedeniia po marksistsko-leninskoi teorii prava. Riga, Latvialskoi gos. izd-vo, 1964. 748 p. (DS)

TAJIK S.S.R. Laws, statutes, etc. [Civil Code of the Tajik S.S.R.] Grazhdanski kodex Tadjikskoi SSR. Dushanbe, Ifon, 1964. 198 p.

UZBEK S.S.R. Laws, statutes, etc. [Criminal Code of the Uzbek Soviet Socialist Republic] Ugolovnyi kodeks Uzbekskoi Sovetskoi Sotsialisticheskoi Respubliki. Tashkent, Gos. izd-vo UzSSR, 1959. 97 p. [MICROFILM]

VOYK, I. A. [Laws regulating the supplying of farms with materials and machinery] Pravovoe regulirovanie material'no-tekhnicheskogo snabzheniia sel'skogo khoziaistva. Moskva, Iuridicheskaya literatura, 1965. 77 p.

ZILARIKOV, I. G. [Protection of soil as an obligation of land users] Okhrana pochvy -- obiazannosti' zemel'opol'zovatelei. Moskva, Iuridicheskaya literatura, 1965. 74 p.

ZHOGIN, N. V. [Deciding the fate of a man; notes of a prosecutor] Reshnia sud'bu cheloveka, zapiski prokurora. Kazan', Tatarskoe knizhnoe izd-vo, 1960. 162 p.

[MICROFILM]

ZHOGIN, N. V., and F. N. FATKULLIN. [Preliminary examination in Soviet criminal procedure] Predvaritel'noe sledstvie v sovetskom ugolovnom protsesse. Moskva, Iuridicheskaya literatura, 1965. 366 p.

## 8. EDUCATION

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Training children between 2 and 3 years old in a preschool institution] Vospitanie detei tret'ego goda zhizni v doshkol'nom uchrezhdenii. Pod red. V. G. Nechaevoi. Moskva, Prosveshchenie, 1965. 198 p.

BATYSHEV, S. IA. [Training and improving workers' qualifications in production] Podgotovka i povyshenie kvalifikatsii rabochikh na proizvodstve. Moskva, Vysshaya shkola, 1965. 261 p.

BONDAREVSKII, I. Z. [Combinations in middle games] Kombinati v mittleshpile. 2. izd. Moskva, Fizkultura i sport, 1965. 81 p. (Biblioteka nachinalushchego shakmatista)

DEINEKO, M. M., ed. [Communist education and the strengthening of contacts between school and life, a collection of documents] O kommunisticheskoi vospitani i ukreplenii svyazi shkoly s zhizniu; sbornik dokumentov. Moskva, Prosveshchenie, 1964. 349 p. (NNC)

FLERINA, E. A. [Aesthetic training of the preschool child] Esteticheskoe vospitanie doshkol'nika. Pod red. V. N. Shatskol. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 333 p.

[HANDBOOK FOR STUDENTS ENTERING THE INSTITUTIONS OF HIGHER LEARNING OF THE U. S. S. R. IN 1965] Spravochnik postupaiushchikh v vysshe uchebnye zavedeniia SSSR v 1965 g. Moskva, Vysshaya shkola, 1965. 350 p.

KASKNEEM, ALEKS., and ANTO RAUKAS, comps. [Sports orientation] Orientatsiia v sporte. Tallinn, Eesti Raamat, 1965. 167 p. [In Estonian]

LIUBOMIROV, N. [Physical education and sports in the U. S. S. R.] Fizicheskaya kul'tura i sport v SSSR. Moskva, Fizkultura i sport, 1963. 133 p. (NIC)

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT FIZICHESKOI Kul'tury. [Physical culture as a source of long age] Fizicheskaya kul'tura - istochnik dolgoletia. Moskva, Fizkultura i sport, 1965. 283 p.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Admission rules and entrance examination programs for students entering the institutions of higher learning of the U. S. S. R. in 1965] Pravila priema i programmy vstupa'nykh ekzamenov dlia postupaiushchikh v vysshe uchebnye zavedeniia SSSR v 1965 godu. Moskva, Vysshaya shkola, 1965. 78 p.

SHASHLO, T. M. [Supervisory role of the Communist Party in the development of Soviet schools in the Ukraine] Kerivna rol' Komunisticheskoi partii v rozvytku iadians'kot shkoly na Ukraini. Kyiv, Radians'ka shkola, 1963. 156 p. (NN)

VAINSHTEIN, B. S. [Opening combinations and pitfalls] Kombinati v lovaski v debute. Moskva, Fizkultura i sport, 1965. 93 p. (Biblioteka nachinalushchego shakmatista)

ZAKHARUK, D. V. [Literary games] Literaturni hry. Kyiv, Radians'ka shkola, 1964. 145 p.

## 9. MUSIC, THEATER &amp; MOTION PICTURES

ABASOVA, E. G. Kurban Primov. Moskva, Sovetskii kompozitor, 1963. 30 p. (Narodnye pevtsy i muzykanty) (MH)

AKADEMIA NAUK URSR, Kiev. Institut mystetstvovnazstva, fol'kloru ta etnografi. [Mykola Lysenko, fighter for nationalism and realism in art] Mykola Lysenko - borots' za narodnist' i realizm u mystetstvi. Kyiv, Naukova dumka, 1965. 220 p.

BLAGODATOY, G. I. [The clarinet] Klarinet. Moskva, Muzyka, 1965. 58 p. (Muzykal'nye instrumenty)

BOHDAN, K. I. [With a motion-picture camera through the Ukraine] Z kinoaparatom po Ukraini. Kyiv, Mystetstvo, 1965. 130 p. illus.

BOZHOVICH, V. I. [Works of Jacques Feyder] Tvorchestvo Zhaka Feldera. Moskva, Nauka, 1963. 121 p.

BRONSHTEIN, S. N. [Heroes of a moment; recollections of a spectator] Gerol odnogo mgnoveniia, vospominania zritelja. Moskva, Iskustvo, 1964. 157 p. (MH)

GAUDRIMAS, JUOZAS. [From the history of Lithuanian music, 1861-1917] Iz istorii litovskoi muzyki 1861-1917. Moskva, Izd-vo Muzyka, 1964. 211 p.

GAUDRIMAS, JUOZAS. [From the history of Lithuanian musical culture, 1917-1940] Is lietuviu muzikines kulturos istorijos, 1917-1940. Vilnius, Lelidykla "Mintis," 1964. 327 p. [In Lithuanian]

HAMMERSCHLAG, JANOS. [If Bach had kept a diary... Translated from the Hungarian] Esli by Bakh vel dnevnika... [2. izd. Budapest] Izd-vo Korvina [1963] 143 p.

HANKISS, JANOS. [If Liszt had kept a diary... Translated from the German] Esli by List vel dnevnika... [2. izd. Budapest] Izd-vo Korvina [1963] 187 p.

IURA, H. P. [Life and the stage] Zhyttia i stsena. Kyiv, Mystetstvo, 1962. 215 p.

KAZYMYROV, O. A. [The Ukrainian amateur theater; the prerevolutionary period] Ukrainskiy amators'kyl teatr; dozhoivneryi period. Kyiv, Mystetstvo, 1965. 132 p.

KENIGSBERG, A. K. [Karl Maria von Weber, 1726-1826; a short sketch of his life and works] Karl-Maria Veber, 1726-1826; kratkii ocherk zhizni i tvorchestva. Moskva, Muzyka, 1965. 102 p. (Knizhka dlia inno-shestvia)

KOMAROVICH, G. L. [Practical advice for the beginning singer] Prakticheskie sovety nachinalushchemu pevtsu. Moskva, Muzyka, 1965. 42 p. (Biblioteka muzykal'nogo samoobrazovaniia)



KRYVITSKA, LESIA [Tale of my life, reminiscences of an actress] Povist' pro moio zhyttia, spohady artystry Kyiv, Mystetstvo, 1965 183 p.

LAZKO, A.A. [The violoncello] Violonchel'. Moskva, Muzyka, 1965. 49 p. (Muzykal'nye instrumenty)

LEBEDEV, N.A. [Outline history of motion pictures in the U.S.S.R., silent films] Ocherk istorii kino SSSR, nemoe kino, 2, perer., dop. izd Moskva, Iskustvo, 1965. 582 p. illus.

MIKHIEVA, L.V. [Edvard Grieg, 1843-1907, a short sketch of his life and works] Edvard Grieg, 1843-1907; kratkii ocherk zhizni i tvorchestva Moskva, Muzyka, 1965. 104 p. (Knizhka dlia lunoshestva)

PRIMSKII-KORSAKOV, N.A. [Complete collected works] Polnoe sobranie sochinenii. Moskva, Muzyka Vol. 8 [Literary works and correspondence] Literaturnye proizvedeniia i perepiska. Tompodgotovlen E. E. Izovitskoi 1965 233 p.

RUZGAITE, ALOIDJA. [The story of Lithuanian ballet] Lietuviško baleto kelias, Vilnius, Leidykla "Mintis," 1964. 70 p. illus. [In Lithuanian]

SHAKHOV, G.A. Maksim Maksimovich Shtraukh [Moskva] Vseros, teatr ob-vo, 1964. 315 p. (NIC)

SHALUNOVSKII, V. Alla Larionova. [Moskva, Soluz. rabotnikov kinematografii SSSR, 1964. 1 v. (chiefly illus.)

SIZOVA, M.I. [Story of a girl] Istorii odnoi devochki. Kiev, Dytydav, 1963 162 p.

SOKHOR, A.N. [Malakovskii and music] Malakovskii i muzyka [Moskva] Muzyka, 1965. 181 p.

STATKEVICHUTE, I.I. [Art and religion (based on music materials), author's abstract of a dissertation for the Degree of Candidate of Philosophical Sciences] Iskustvo i religia (na materialakh muzyki), avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filosoficheskikh nauk. Nauchn. rukovoditel' I.D. Pantakhava. Moskva, Mosk. gos. univ., 1964 15 p. [MICROFILM]

TAMPERE, HERBERT, comp. [Estonian folk songs with the melodies] Eesti rahvalaule viisidega. Tallinn, "Eesti Raamat," [In Estonian] Vol. 4. 1964. 346 p.

TARASOV, D., and V. BELIAVSKII. Boris Andreev. [Moskva] Biuro propagandy sovetskogo iskus., 1965 20 p. illus. (Aktory sovetskogo kino)

TRANNIN, V.IA. [Among books on music] Sredi knig o muzyke. Moskva, Muzyka. (Biblioteka muzykal'nogo samooobrazovaniia) No. 5. [Soviet composers] Sovetskie kompozitory. 1965 93 p.

UJAROVA, E.D. [Ethics of K.S. Stanislavskii and amateur art activities] Etika K.S. Stanislavskogo i khudozhestvennaia samodelatel'nost'. [Moskva] Profilzdat, 1964. 91 p. (NNC)

VASILENKO, S.IA. [Ballets of Prokof'ev] Ballety Prokof'eva. Moskva, Nauka, 1965. 74 p. (Biblioteka muzykal'nogo samooobrazovaniia)

VEITSMAN, E.M. [Bourgeois philosophy and motion-picture art] Burzhuaznaia filosofii i kiniskusstvo. Moskva, Vses. gos. in-t kinematografii Nauchnoissl. kabinet, 1964. 65 p.

## 10. FINE ARTS

PRESIAN, Z.G. [Freedom of artistic creation] Svoboda khudozhestvennogo tvorchestva. Moskva, Sovetskii khudozhnik, 1965 162 p.

BERIDZE, VAKHTANG. [Georgii Chbinashvili. Tbilisi, Nakaduli] 1963. 85 p. (Nashi slavyne sovremenniki) [In Georgian] (MH)

CHLENOVA, L.II. [Art of the Ukrainian S.S.R.] Iskustvo Ukrainskoi SSR. Moskva, Sovetskii khudozhnik, 1964. 94 p. 31 plates. (Biblioteka shkol'nika, Sovetskoe Iskustvo) (MH)

COROT, JEAN BAPTISTE CAMILLE. [Camille Corot] Kamill Koro Moskva, Sovetskii khudozhnik, 1965. 13 p. 82 plates

GALKINA, S.G. [We look, draw and talk] Smotrim, risuem, rasskazyvaem. [Moskva] Molodai gvardiia, 1965 52 p.

KREMSHEVSKAIA, G.D. Nataliia Dudinskaiia Leningrad, Iskustvo, 1964 95 p., plates (NNC)

KRUKOVSKAIA, S.M. [In the world of treasures, from the collections of the State Museum of Art in the Uzbek S.S.R.] V mire sokrovishch; iz sobraniia Gosudarstvennogo muzei Iskustv Uzbekskoi SSR Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1964. 209 p. illus.

LAZAREVA, O.P. Fedot Ivanovich Shubin. Leningrad, Khudozhnik RSFSR, 1964. 43 p. illus., plates. (Narodnaia biblioteka po Iskustvu) (MH)

LEBEDEV, A.K. Vladimir Aleksandrovich Serov. Moskva, Iskustvo, 1965. 325 p. illus.

NOTKIN, I.I. [Bukharan carving in "ganch" in the works of "usto" Shirin Muradov] Bukharskaia rez'ba po ganchu v rabotakh usto Shirina Muradova. Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1961. 95 p. (Tvorchestvo narodnykh masterov Uzbekistana) (NN)

OVSIANNIKOV, M.F. [Marx, Engels, and Lenin on art] Marks, Engel's, Lenin ob Iskustve. Moskva, Iskustvo, 1965. 40 p. (Biblioteka po izobrazitel'nomu Iskustvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodelatel'nosti i shkol'nykh bibliotek)

PLOTNIKOV, V.I. Leo Fomich Lankinen. Leningrad, Khudozhnik RSFSR, 1964. 28 p. illus. (Khudozhnik Rossiiskoi Federatsii) (NIC)

ROSTOVITSEVA, I.T. Konstantin Fedorovich Ikon. Leningrad, Khudozhnik RSFSR, 1964. 39 p. illus. (MH)

RUSAKOVA, A.A. [M.V. Nesterov; portraits of Soviet intellectuals] M.V. Nesterov, portrety delateli sovetskoi kul'tury. Leningrad, Khudozhnik RSFSR, 1963. 26 p. illus. (Russkaia i sovetskaiia zhivopis') (NIC)

RUSSIA (1923- U.S.S.R.) Ministerstvo kul'tury. Direktsiia khudozhestvennykh festivalov. [Festivals of the arts] Festivali Iskustv. Moskva, 1965. 1 v. (chiefly illus.)

SHEVCHENKO, T.H. [Etchings of Taras Shevchenko] Ofoty Tarasa Shevchenka. Kyiv, [Mystetstvo] 1964. 166 p. (chiefly illus.) (CaOTU)

SHUBIN, A.E. [Anatolii Efimovich Shubin, Honored Artist of the Moldavian S.S.R.] Anatolii Efimovich Shubin, zasluzhennyi delaetel' Iskustv Moldavskoi SSR. [Kishinev, Kartia moldovenaske, 1964] 20 p. illus.

STERNIN, G.IU. [Sketches on Russian satirical graphic arts] Ocherki russkoi satiricheskoi grafiki. Moskva, Iskustvo, 1964. 333 p. illus. (NIC)

TOSUNOVA, M.I. [Planning of cities and populated localities, design principles] Planirovka gorodov i naselennykh mest; osnovy proektirovaniia. Moskva, Vysshiaia shkola, 1965. 189 p.

VSEOSUZNYI S'EZD SOVETSKIKH ARKHITEKTOROV, 3d. Moscow, 1961. [Abridged verbatim report of the Third All-Union Congress of Soviet Architects] Sokrashchennyi stenograficheskii otchet Moskva, Gosstroizdat, 1962. 180 p.

[MICROFILM]

## 11. LANGUAGE, LITERATURE & FOLKLORE

ABRAMOV, F.A. [Tales and stories] Povesti i rasskazy. [Leningrad] Lenizdat, 1963. 412 p. (NNC)

ABDULZHALILOV, F.A. [Sharp turns, tales. Translated from the Nogai] Krutyepovoioty, povesti. Stavropol', Knzhnoe izd-vo, 1962. 166 p. (NNC)

AFREMOVICH, MIKHAIL. [Nontypical case; stories, feuilletons, humoresques] Netipichnyi sluchai; rasskazy, fel'etony, iumorovski. Riga, Latvieskoe gos. izd-vo, 1964. 188 p. (NNC)

[AN AID FOR BEGINNING JOURNALISTS, a textbook for worker and rural correspondents attending schools and universities] V pomoshch' nachinalushchim zhurnalistam; uchebnoe posobie dlia slushatelei shkol i universitetov rabot'nikov. [Moskva] Izd-vo "Pravda," 1964. 368 p.

AIVAZIAN, SUREN. [Give me your hand, life; a novel. Translated from the Armenian] Protiani ruku, zhizn'; roman. Erevan, Armgosizdat, 1963. 269 p. (NNC)

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut iazykoznaniiia. [Studies on the history of the Kazakh language] Kazakh tilinin tarikhly turaly zorttoular. Almaty, Gyl'm, baspasy, 1965. 253 p. [In Russian and Kazakh]

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [History of Soviet Tatari Literature] Istoriiia tatarskoi sovetskoi literatury. Moskva, Nauka, 1965. 577 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Hausa tales, parables, legends. Translated from the Hausa] Skazki, pritchi, legendy. Khauusa. Moskva, Nauka, 1964. 102 p. (Skazki i mify narodov Vostoka)

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Development of the lexicon in modern Russian] Razvitiie leksiki sovremennogo russkogo iazyka. Moskva, Nauka, 1965. 133 p.

AKADEMIIA NAUK URSS. Kiev. Institut movoznavstva. [Regular development of spoken literary Ukrainian] Zakonomirnosti rozvytku ukrains'koho usnoho literaturnoho movleniia. Kyiv, Naukova dumka, 1965. 300 p.

AKADEMIIA NAUK URSS. Kiev. Institut movoznavstva. [Territorial dialects and proper names] Teritorialni dialekty i vlasni nazvy. Kyiv, Naukova dumka, 1965. 280 p.

AKIMOY, I.O. [Even the walls smell of the sunshine] Istiny pakhnut' sotssem, Kyiv, Molod', 1963. 114 p. (Biblioteka prykhod na naukovoi fantastyky) (MH)

AKISHINA, A.A. [Phonetics of present day literary Russian; a manual for foreign students of philological faculties] Fonetika sovremennogo russkogo literaturnogo iazyka; posobie dlia studentov-inostrantsev filologicheskikh fakul'tetov. Moskva, Univ., družby narodov, 1963. 108 p. (NJP)

ALAVI, BOZORG. [White wall, stories. Translated from the Persian] Belala stena; rasskazy. Moskva, Izd-vo inostr. lit-ry, 1963. 214 p. (NNC)

ALEXANDER THE GREAT (Romances, etc.) [Alexanderid; a novel about Alexander the Great from a Russian manuscript of the 16th century. Translated from the Serbian] Aleksandriia, roman ob Aleksandre Makedonskom po russkoi rukopisi XV veka. Izd. podgotovili M.N. Botvinnik, I.A. S. Lur'e i O.V. Tvorogov. Moskva, Nauka, 1965. 267 p. (Literaturnye pamiatniki)

AMOSOV, N.M. [Thoughts and the heart; a tale] Mysli i serdtse; povest'. Kiev, Radians'kyl pys'mennyk, 1965. 224 p.

ANDERSEN, HANS, CHRISTIAN. [Fairy tale plays. Translated from the Danish] P'esy-skazki. Sost. Vi. Matusevich. Moskva, Iskustvo, 1963. 173 p. (OCIW)

- ANKST, A. A. [Theater of the Shakespearean era] Teatr epokhi Shkhespira. [Moskva] Iskustvo, 1965. 327 p.
- ANTOKOL'SKII, P. G. [The fourth dimension, verse] Chetvertoe izmerenie; stikhi, 1962-1963. [Moskva, Sovetskii pisatel', 1964] 130 p. (NIC)
- ARDOV, V. E. [Bidegroom with a dowry, vaudeville in two acts] Zhenikh s pridanyim, vodevil' v dvukh deistviakh. Moskva, Otdel raspoustianeniia dramati-cheskikh proizvedenii VUOAP, 1960. 50 l.
- ARIF, MAMED, pseud. [Dramaturgy of Samed Vurgun] Semio Vurgunün dramaturgiyası. Bakı, Azərbaycan SSR Elmın Akad. Neshriyyatı, 1964 238 p. [In Azer-bajjani] (MH)
- ASATIANI, MAMIA. [The bared sword, stories, Obna-zhennyi mech; rasskazy. Tbilisi, Literatura da Khelovneba], 1964. 177 p. [In Georgian] (MH)
- ASIPENKA, ALES'. [The road into the distance, a tale and stories] Daroha u dal', apovosti i apavladanni. Minsk, Dziazhvyd-va BSSR, Red. mnastatskai lit-ry, 1962. 417 p. (NN)
- AVDEENKO, A. O. [Danube nights, tales] Dunajskie nochi; povesti. Moskva, Voenizdat, 1963. 718 p. (Voennye priklucheniia)
- [AZERBAIJANI TALES IN FIVE VOLUMES] Azerbaijan naghlylary; besh childe. Bakı, Azərbaycan SSR neshriyyatı. [In Azerbaijani] Vol. 5, 1964 287 p.
- BARSKII, L. M. [Hamlet in the Kodry; tales] Satuk de Kodru, povesti. Kishineu, Kartia moldoveniaske, 1964. 141 p. [In Moldavian] (MH)
- BARTO, A. L. [Grandfather's granddaughter, satirical verse] Dedushkina vnuchka; satiricheskie stikhi. Moskva, Gos. izd-vo deistoi lit-ry M-va prosv. RSFSR, 1959. 46 p. (Dlia mladshogo shkol'nogo vozrasta) (OCIW)
- BARTO, A. L. [Lantern] Fonasik. Moskva, Detgiz, 1958. 103 p. (OCI)
- BASHI, IA. V. [On the banks of the Dniester] Na bere-hakh Dniprovych. Kyiv, Dnipro, 1965. 647 p.
- BEGUNOV, IU. K. [Monument of 13th century Russian literature; the "Lay of the ruler of the Russian land"] Pamiatnik russkoi literatury XIII veka; "Slovo o pogi-beli Russkoi zemli." Moskva, Nauka, 1965. 227 p.
- BILODID, I. K. [Poetic language of Maksym Ryl's'kyi; on the 70th anniversary of the poet's birth] Poetychna mova Maksyma Ryl's'koho; do 70-ricchcia z narodzhennia poeta. Kyiv, Naukova dumka, 1965. 173 p.
- BOBULOV, KAMBARALY. [A girl from the south; a tale and stories. Translated from the Kirghiz] Devushka s juga; povesti i rasskazy. Moskva, Sovetskii pisatel', 1964. 173 p. (MH)
- BOIARSIIKOVA, E. I. [Little girl who gives away flow-ers; verse] Devchonka, kotorai darit tsvety; stikhi. [Akhangel'sk, Severo-Zapadnoe knizhnoe izd-vo, 1964] 63 p. (NNC)
- BORSCHCHAGOVSKII, A. M. [Gray sea gull; tales] Sednii chelk; povesti. Moskva, Sovetskii pisatel', 1965. 541 p.
- BRODSKII, IOSIF. [Verse and poems] Stikhotvoreniia i poemy. [Washington, D. C.] Inter-Language Literary Associates, 1965. 236 p. (CDU)
- BUDNIKOV, V. P. [The Bolshevik Party periodical press before and during the October Revolution (March 1917-February 1918), author's abstract of a disserta-tion for the degree of Doctor of Historical Sciences] Bol'shevistskaia partiniala periodicheskaiia pechat' v period podgotovki i provedeniia Oktia-br'skoi revoliutsii (mari 1917 g. - fevral' 1918 g.); avtoferat dis-seriatsii na sofskanie uchenoi stepeni doktora istoi i-cheskikh nauk. Moskva, Mosk. gos. pedagog. in-ti, 1963. 53 p. (MICROFILM)
- BULAKHAU, M. H. [Adjective in the White Russian language] Prymiznik u belaruskai move. Minsk, Navuka i tekhnika, 1964. 197 p. (NNC)
- BULAKHOV'S'KYI, L. A. [Essays on general linguistics] Narysy z zahal'nogo movoznavstva. Vyd. 2., vyprave-ne ta dop Kyiv, Radians'ka shkola, 1959 307 p. (NNC)
- BULATOVA, R. V. [Verbs of motion in the Serbo-croatian language, author's abstract of a dissertation] Glagoly dvizheniia v serbsko-khorvatskom iazyke; avtoferat disseriatsii. Nauchnyi ukovoditel' E. V. Cheshko. Moskva, Akad. nauk SSSR. In-t slavjanovedeniia, 1964. 23 p. (MH)
- CHAIKOV'S'KYI, BOHDAN. [Unforgettable page of friendship, T. H. Shevchenko and White Russia] Neza-butnaia stoiinka diuzhby, T. H. Shevchenko i Bilorusia. Kyiv, Dnipro, 1964. 184 p. illus., facsim. (CDU)
- CHAKOVSKII, A. B. [A year of life, a tale. Paths that we choose, a novel. Light from a distant star, a tale] God zhizni; povest'. Dniogi, kotorye my vybiraem; roman. Svet dalekoi zvezdy, povest'. Moskva, Khudozhestvennaia literatura, 1964. 662 p. (NNC)
- CHARNYSHEVICH, A. D. [Dawn; a novel] Rassvet; roman. Minsk, Gos. izd-vo BSSR, 1962. 425 p. (NNC)
- CHEKHOV, A. P. [The man in a case] Chelovek v fu-liare. [Moskva, Detgiz, 1956] 20 p. (OCI)
- CHERNOV, V. I. [Philosophy and folklore] Filosoffia i fol'klor. Saratov, Privolzhskoe knizhnoe izd-vo, 1964. 151 p.
- CHOBANU, I. K. [Responses. Otkhiki. Kishineu, Kartia moldoveniaske] 1964. 156 p. [In Moldavian] (MH)
- [CITY IN THE BLACK MOUNTAINS; sketches, stories, and verse of the members of the Cherno Mountain Literary Association "Miner"] Gorod u chernykh gor; ocherki, rasskazy, stikhi chlenov Chernogorskogo literaturnogo ob'edineniia "Shakhter." Abakan, Krasnaskoe knizhnoe izd-vo, 1963. 83 p. (NIC)
- [THE CRIME WILL BE SOLVED. Prestuplenie budet raskryto. Leningrad] Lenizdat, 1964. 569 p. (MH)
- [CZECH SATIRE AND HUMOR; verse, stories, feuille-tions, sketches. Translated from the Czech] Chesh-skaiia satira i humor; stikhi, rasskazy, feiletony, ocherki. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 406 p. (MICROFILM)
- DARDA, V. I. [His beloved; a tale and stories] Ioho kokhania; povist' ta opovidanni. Kyiv, Radians'kyi pys'mennyk, 1964. 296 p. (NN)
- DARIENKO, P. S. [To me, roads are a necessity; verse and poems. Translated from the Moldavian] Mne nuzhny dorogi; stikhi i poemy. Moskva, Sovetskii pisatel', 1965. 86 p.
- DESMIAK, OLEKSA. [Battalions crossed over the Desna; a novel] Desnu pereishly batal'iony, roman. Kyiv, Derzh vyd-vo khudozh. lit-ry, 1963. 238 p. (IU)
- DOLETSKAIA, I. I. [Training the aesthetic tastes of upperclassmen during the study of the works of Malakovskii and Tvardovskii] Vospitanie khudozhe-stvennogo vkusa starsheklassnikov pri izuchenii tvoi cheshta Malakovskogo i Tvardovskogo. Moskva, Prosveshchenie, 1965. 106 p.
- DONDUKOV, U. -ZH. SH. [Affixal word formation of parts of speech in Buryat] Afiksai'noe slovoobrazo-vanie chastei rechi v buriatskom iazyke Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 246 p.
- DROFAN, A. P. [Conscientiously, a tale] Na sovest'; povest'. [Moskva] Molodaia gvardia, 1962. 190 p. (NNC)
- DRUTSE, ION. [Ballads of the steppe] Balade din kym-pie. Kishineu, Kartia moldoveniaske, 1963. 219 p. [In Moldavian] (MH)
- DZHAFAROV, DZHAFA, ed. [M. F. Akhundov and the theater] M. F. Akhundov i teatr. Baku, Izd. Azer-baidzhanskogo teatr. ob-va, 1962. 23 p. illus. [In Azerbaijani and Russian] (NNC)
- DZHANIBEKOV, A. -KH. SH. [Compendium of ortho-graphic rules of literary Nogai. Svod orfografiche-skikh pravil nogaiskogo literaturnogo iazyka. Cher-kesk, Karachaevo-Cherkesskoe knizhnoe izd-vo] 1962. 28 p. [In Nogai] (MH)
- DZHUSUEV, SOORONBAI. [Eagle, verse and a poem. Authorized translation from the Kirghiz] Orlitsa, stikhi, poema. Moskva, Sovetskii pisatel', 1962. 80 p. (NNC)
- DZUGAEV, G. KH. [A kind guest; verse and poems. Translated from the Ossetic] Dobryi gost'; stikhi i poemy. Moskva, Sovetskii pisatel', 1962. 63 p. (NNC)
- DZUTSATSAT, K. -M. [Dance of the rain, verse. Translated from the Ossetic] Pilaska dozhdi; stikhi. Moskva, Sovetskii pisatel', 1964. 79 p. (NNC)
- EESTI NSV TEADUSTE AKADEEMIA. Keele ja kir-janduse institut. [Studies on the Balto-Finnic and Volga languages] Toid kaanemeresooma ja volga keelte alalt. Tallin, 1964. 132 p. [In Estonian and Rus-sian] (MH)
- EHRENBURG, I. G. [Collected works in nine volumes] Sobranie sochinenii v deviat tomakh. Moskva, Khudozhestvennaia literatura. Vol. 5. [The storm; a novel] Buria, roman. 1965. 773 p.
- ELIZAROVA, M. E., and N. P. MIKHAI'SKAIA, eds. [Lecture course on the history of 20th century foreign literature] Kurs lektsii po istorii zarubezhnoi litera-tury XX veka. Moskva, Vysshala shkola, 1965. 802 p.
- ERASHOV, V. P. [Lyrics] Litrika. [Kalinigrad] Ka-linigradskoe knizhnoe izd-vo, 1964. 413 p. (IU)
- EREMEEV, G. S. [Patches of light; lyrics] Bilki i litrika. [Moskva] Molodaia gvardia, 1963. 110 p. (IU)
- ERTIUKOV, INNOKENTII. [A Yakut relates; verse. Translated from the Yakut. Govorit Yakut; stikhi. Moskva, Sovetskii pisatel', 1963. 45 p. (NNC)]
- FAINBERG, R. I. [Iuril German; a critical and bio-graphical sketch] Iuril German, kritiko-biografiche-skii ocherk. Moskva, Sovetskii pisatel', 1965. 262 p.
- FAIZI, AKHMED. [Verse, ballads and poems] Stikhi, ballady, poemy. Kazan', Tatknigizdat, 1957. 118 p. (IU)
- FERMAN, M. G. [Diction and orthoep] Diktaiia i orfoe-piia. Moskva, Zaachnyi nar. univ. iskustv, 1964. 76 p. (MICROFILM)



- FONVIZIN, D. I. [Comedies, The brigadier general, The minor, Universal courtiers' grammar] Komedi, Brigadir, Nedorosl', Vseobshchaya pridvornaya grammatika. Leningrad, Gos. izd-vo detskoi lit-ry, 1960. 165 p. (Shkol'naya biblioteka) (NNC)
- FRADKIN, M. SH. [Two-way translation, textbook on English for the foreign language institutes and faculties] Dvustoronnii perevod, posobie po angliiskomu izyuku dlia institutov i fakul'tetov inostrannykh iazykov. Moskva, Vysshaya shkola, 1964. 194 p. (MdU)
- GANSOVSKII, S. F. [Six geniuses, a science-fiction tale and stories] Shest' geniev, nauchno-fantasticheskaia povest' i rasskazy. Moskva, Znanie, 1965. 240 p.
- GARIN, S. S. [Singing friends, a fairy tale about seven notes] Polushchie druž'ia, skazka o seml notakh. Moskva, Gos. izd-vo detskoi lit-ry, 1959. [22] p. illus. (OCIW)
- [GIFT FOR A FRIEND. Translated from the Azerbaijani] Baku, Azerbaidzhanskoe knizhnoe izd-vo, 1964. 317 p. (MH)
- GILIAZHEV, KH. G. [Love uplifts; verse and a poem. Translated from the Bashkir] Liubov' vozvyshai, stikhi i poema. Ufa, Bashkirskoe knizhnoe izd-vo, 1964. 132 p. (NNC)
- GLADKII, V. B. [The press of the Cuban Revolution, 1959-1961, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Pechat' Kubinskoi revoliutsii (1959-1961 gg.), avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Moskva, Mosk. gos. univ., 1964. 19 p. (MICROFILM)
- GONCHAROV, IU. D. [The son: The first space rocket (Blue lake) Syn Pervaya kosmicheskaya raketa. Golu-boe ozero [Voronezh, TSCentral'no-Chernozemnoe gos. knizhnoe izd-vo, 1964] 329 p. (MH)
- GORBATOV, B. L. [Plays, Youth of the fathers, One night, Law of a winter camp] P'esy, Unost' otsov, Odná noch, Zakon zimovki. Moskva, Iskusstvo, 1964. 293 p. (NNC)
- GORBUNOV, G. I. Dmitrii Furmanov. Moskva, Politizdat, 1965. 158 p.
- GRANOV'SKYI, O. A. [Hymns to the sun; verse] Hymny solntsu; poezii. Chicago [Zhityia i mystetstvo, 1958] 143 p. (His-Poezii, vol. 4) (IU)
- GRIGOROVICH, D. V. [Village. Anton the Unfortunate] Derevnia, Anton-Goremyka. Moskva, Khudozhestvennaia literatura, 1964. 301 p. (MdU)
- GRINER, V. S. [I walk into the light] Idu na svet. [Syktyvkar, Komi knizhnoe izd-vo, 1964. 37 p. (NNC)]
- GURA, V. V. [From the sources of life, articles of literary criticism] Iz rodnikov zhizni, literaturno-kriticheskie ocherki. [Vologda] Severno-Zapadnoe izd-vo, 1964. 245 p. (NNC)
- GUREVICH, S. A. [How to read literary works; a guide for students] Kak chitat' khudozhestvennuiu literaturu; v pomoshch' uchashchimsia. Moskva, Uchpedgiz, 1962. 50 p. (MICROFILM)
- GUSEL'NIKOV, I. I. [A mine that was saved] Spasenniy rudnik. Moskva, Mysl', 1965. 169 p. (Puteshestviia, priklucheniia, fantastika)
- HEYM, STEFAN. [The eyes of reason; a novel. Translated from the English] Glazami razuma; roman. Moskva, Izd-vo inostr. lit-ry, 1960. 590 p. (NNC)
- IANOV'SKYI, IU. I. [Peace, a novel] Mir; roman. Kyiv, Dnipro, 1965. 285 p.
- IBRAGIMOV, GALIMDZHAN. [Our days, a novel. Translated from the Tatar] Nashi dni; roman. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 338 p. (NNC)
- IDRIS, YUSUF. [Sin; a tale. Translated from the Arabic] Grekh; povest'. [Moskva, Gos. izd-vo khudozh. lit-ry, 1962] 150 p. (NNC)
- IGNATOV, P. K. [Notes of a partisan] Zapiski partizana [Krasnodar, Krasnodarskoe knizhnoe izd-vo] Vol. 1. [1964] 1 v. (NJP)
- IOVITSE, VLAD. [A drop of living water, tales and stories. Translated from the Moldavian] Kapita zhivoi vody; povesti i rasskazy. [Moskva] Molodaia gvardiia, 1964. 159 p. (Pervaya kniga molodogo pisatel'a) (MH)
- IVANOV, L. I. [When you love your work] Kogda ljubish delo. Moskva, Sovetskaya Rossiia, 1964. 147 p. (NNC)
- JOKUMS, K. [Selected works] Izlase. Riga, Latvijas valsts izd-ba, 1959. 511 p. [In Latvian]
- KAKODKAR, CHANDRAKANT. [Triumphant cry has sounded, a novel. Translated from the Hindi] P.ogromnoi pobednyi klich, roman. Moskva, Izd-vo inostr. lit-ry, 1962. 141 p. (NNC)
- KARATOV, S. IU. [Stone giant, a tale from the time of the Stone Age] Kamenniy ispolin, povest' iz epokhi kamennogo veka. Moskva, Mysl', 1965. 123 p. (Puteshestviia, priklucheniia, fantastika)
- KARPENKO, V. V. [The aftermath, a novel] Otava, roman. Moskva, Sovetskii pisatel', 1965. 537 p.
- KATENIN, P. A. [Selected works] Izbrannye proizvedeniia. Vstup. stat'iia, podgotovka teksta i primchania G. V. Ermakova-Bitner. Moskva, Sovetskii pisatel', 1965. 743 p. (Biblioteka poeta. Bol'shaia seriia. 2. izd.)
- KHANCHEV, VESELIN. [Lyrics. Translated from the Bulgarian] Iarika. Moskva, Izd-vo inostr. lit-ry, 1963. 63 p. (Sovremennaya zarubezhnaia poeziia) (NNC)
- KHARABAROV, I. M. [Selected lyrics, Izbrannaia lirika. Moskva] Molodaia gvardiia, 1964. 28 p. (Biblioteka izbrannoi liriki) (IU)
- KHASANOV, KHAMIDULLA. [Makhmud Kashgari]. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 81 p. [In Uzbek] (MH)
- KHONINOV, MIKHAIL. [When I play my dombra; verse and poems. Kogda zvenit moia dombra; stikhi i poemy. El'ista, Kalmytskoe gos. izd-vo] 1964. 125 p. [In Kalmyk] (MH)
- KIRSANOV, S. I. [Once tomorrow, verse and poems] Odnazhdy zavtra; stikhi, poemy. [Moskva, Sovetskii pisatel', 1964] 174 p. (NNC)
- KISCH, EGON ERWIN. [Reportings] Reportazhi. Moskva, Izd-vo Mosk. univ., 1964. 226 p. (NNC)
- KISLIK, NAUM. [Tale about pressed powder; verse and a poem] Povest' o pressovannom porokhe; stikhi, poema. [Minsk, Belarus', Red. khudozh. lit-ry, 1964] 77 p. (NNC)
- KLYKOVA, N. A. [Difficult boy. Hold him! Plays for children] Trudnyi mal'chik. Derzhi ego! [By] IU. V. Sotnik. P'esy dlia detei. Moskva, Sovetskaya Rossiia, 1965. 88 p. (Biblioteka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 8)
- KNIPOVICH, E. F. [Power of truth; articles on literary criticism] Sila pravdy; literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1965. 354 p.
- KNORRE, F. [Father; a play in twelve scenes] Otets; p'esa v dvenadtsati kartinakh. Moskva, Otdel raspriostaneniia dramaticheskikh proizvedenii VUOAP, 1965. 100 l.
- KOKOREV, A. V., comp. [Chrestomathy of 18th century Russian literature] Khrestomatia po russkoi literatüre XVIII veka. Moskva, Prosveshchenie, 1965. 847 p.
- KOLESIKOVA, E. A. [M. Gor'kii's story "Vengeance" published in the Kazan newspaper "Volzhskii vestnik" in 1893] Rasskaz M. Gor'kogo "Mest'," opublikovannyi v kazanskoi gazete "Volzhskii vestnik" v 1893 godu. [Kazan'] Izd-vo Kazanskogo univ., 1961. 38 p. (MICROFILM)
- KOLESIKY, P. I. ["Fata morgana" by M. Kotlubinskii] "Fata morgana" M. Kotlubinskogo. Moskva, Khudozh. lit-ra, 1964. 127 p. (Massovaya istoriko-literaturnaya biblioteka) (IU)
- KOLSHANSKII, G. V. [Logic and the structure of language] Logika i struktura iazyka. Moskva, Vysshaya shkola, 1965. 239 p. (Biblioteka filologa)
- KOMISSAROVA, M. I. [Verse. Liza Chalkina, a poem] Sukhotvoreniia. Liza Chalkina; poema. Leningrad, Khudozhestvennaia literatura, 1964. 186 p. (NNC)
- KONDRATKOVSKAIA, N. G. [Shedding of the leaves; verse] Listopad, stikhi. [Cheliabinsk] IUzhno-Ural'skoe knizhnoe izd-vo, 1964. 90 p. (IU)
- KONICHEV, K. I. [Taken from life] Iz zhizni vziatoe. [Akhangel'sk] Severo-Zapadnoe knizhnoe izd-vo, 1964. 282 p. (IU)
- KONRAD, KAREL. [Retreat, Translated from the Czech] Odboi. Moskva, Khudozh. lit-ra, 1964. 309 p. (NNC)
- KONSTANTINOV, IU. K. [Our time is flying... a novel] Letit nashe vremia...; roman. [Izd. 1.] Moskva, Sovetskii pisatel', 1964. 334 p. (CU)
- KOROSTYLEV, V. N. [Brigantine; a romantic drama in two parts] Brigantina, romanticheskaya drama v dvukh chastiakh. Tekst pesni "Brigantina" P. Kogana, Muzyka G. Lep'skogo. Moskva, Otdel raspriostaneniia dramaticheskikh proizvedenii VUOAP, 1965. 70 l.
- KOSTERINA, NINA. [Diary] Dnevnik. [Moskva, Datskaia literatura, 1964] 125 p. (NIC) (NJP)
- KOZAK, V. U. [Inscriptions on granite; verse] Karby na brianit; poezii. Kyiv, Radians'kyl pys'mennyk, 1965. 86 p.
- KOZHUKHOVA, O. K. [Early snow, a novel (to be continued)] Rannii sneg, roman. Moskva, Khudozhestvennaia literatura, 1965. 63 p. (Roman-gazeta, no. 9 (333))
- KRAVCHENKO, IE. S. [Pages of life; stories] Storinki zhityia; opovdannia. Kyiv, Dnipro, 1964. 61 p. (MH)
- KRIANGE, ION. [Selected works] Opere alese. Editsiia a doua reveruie shi kompletate. Kishinev, Editura de stat a Moldovei, 1966. 318 p. [In Moldavian]
- KRUCHENIUK, PETR, comp. [Immortality; verse and sketches, Bessmertie] Stikhi i ocherki. Kishinev, Kartia moldovenaske] 1963. 69 p. [In Moldavian] (MH)
- KUBILINSKAS, KOSTAS. [The plains sing; lyrics] Lygumos dainuoja; lyrika. Vilnius, VAGA, 1964. 319 p. [In Lithuanian]

- KUGUL'TINOV, D. N. [Verse. Translated from the Kalmyk]. Stikhi. Moskva, Khudozhestvennaya literatura, 1965. 245 p. (Biblioteka sovetskoi poezii)
- KUKHALASHVILI, K. P. [Lesia Ukrainka as publicist]. Lesia Ukrainka - publitsyst. Kyiv, Dnipro, 1965. 246 p.
- KULESHOV, V. I. [Literary ties of Russia and Western Europe in the first half of the 19th century]. Literaturnye svyazi Rossii i Zapadnoi Evropy v XIX veke (pervaya polovina). [Moskva] Izd-vo Mosk. univ., 1965. 460 p.
- KULIBAI, SALIAKH. [Thoughts during travel, verse and a poem. Authorized translation from the Bashkir]. Dumy v puti, stikhi, poema. Moskva, Sovetskii pisatel', 1963. 101 p. (IU)
- KUUSBERG, PAUL. [Accident with Andres Lapeteus, a novel. Translated from the Estonian]. Proisshestvie s Andresom Lapeteusom; roman. Moskva, Sovetskii pisatel', 1965. 241 p.
- KUZ'MIN, S. A. [Operation in the mountains, stories]. Operatsiya v gorakh; rasskazy. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1963. 46 p. (Malen'kaya biblioteka) (NIC)
- KVITKO, LEIB. [Verse. Translated from the Yiddish]. Stikhotvoreniia. Moskva, Khudozhestvennaya literatura, 1964. 262 p. (Biblioteka sovetskoi poezii) (NNC)
- LAPIN, K. K. [The girl with a rifle, a tale]. Devushka s vintovkoi; povest'. Moskva, Voen. izd-vo, 1964. 183 p. (Biblioteka soldatov i matoasa) (NIC) (NJP)
- LASKIN, BORIS. [Story of an illness, a comedy in three acts and three dreams]. Istoriia bolezni; komedii v 3 deistviakh i 3 snovideniakh. Moskva, Otdel raspriostreniia dramaticheskikh proizvedenii VUOAP, 1965. 90 l.
- LAVASHOV, V. V. [Don't look for him among the dead, a tale]. Ne ischite ego sredi mrtvykh; povest'. [Moskva, Molodala gvardiia, 1964. 159 p. (NNC)
- LE, IVAN, pseud. [Nalivalko; an historical novel]. Nalivalko; istoricheskii roman. Kyiv, Derzhlitvydav Ukrainy, 1964. 402 p.
- LE, IVAN, pseud. [The wide spaces are beckoning; stories]. Prostor manit, rasskazy. Moskva, Gos. izd-vo khudozh. lit-ry, 1960. 172 p. (NNC)
- LEBERECHT, HANS. [Vassars' palaces; a novel]. Dvortsy Vassarov; roman. Tallinn, Estonskoe gos. izd-vo, 1964. 756 p. (IU) (NIC)
- LENINGRAD. PUBLICHNAIA BIBLIOTEKA. [Soviet Russian prose writers; a bibliography]. Russkie sovetskie pisateli prozai; bibliograficheskii ukazatel'. Leningrad Vol. 2. Zadorinov—Lisasko. 1964. 375 p. Vol. 3. Makarenko—M. Prishvin. 1964. 807 p.
- LENINGRAD. UNIVERSITET. [Problems of general linguistics]. Voprosy obshchego iazykoznanii. [Leningrad] 1965. 105 p.
- LEONOV, L. M. [Plays]. P'esy. Moskva, Sovetskii pisatel', 1964. 545 p. (NNC)
- LEONOV, L. M. [Sol' River; a novel]. Sol', roman. Moskva, Izvestiia, 1965. 318 p. (Biblioteka "Piat' desiat let Sovetskogo romana")
- LEONT'EV, A. A. [The word in the speech process; some problems in the general theory of speech]. Slovo v rechevoi deiatel'nosti, nekotorye problemy obshchei teorii rechevoi deiatel'nosti. Moskva, Nauka, 1965. 244 p.
- LEVYTS'KIY, IVAN. [Tales and stories]. Povest i rasskazy. Moskva, Khudozhestvennaya literatura, 1964. 572 p. [Publ. under his pseud. I. S. Nechui-Levyts'kiy] (MI)
- LIFSHITS, M. N. [My land; verse. Translated from the Yiddish]. Moia zemlia; stikhi. Moskva, Sovetskii pisatel', 1965. 103 p.
- LISOVSKII, K. L. [Selected verse]. Izbrannye stikhotvoreniia. Moskva, Khudozhestvennaya literatura, 1964. 230 p. (NNC)
- LITVINOV, N. G. [Problems of style in the Russian language, an aid for journalists]. Voprosy stilistiki russkogo iazyka, v pomoshch' rabotnikam pechatii. Izd. 2., perer. i dop. Moskva, Mysl', 1965. 270 p. (NN)
- LOTIANU, EMIL. [White rainbow, verse. Translated from the Moldavian]. Beata raduga; stikhi. Moskva, Sovetskii pisatel', 1964. 93 p. (MI)
- LOZOVYI, VASYL', pseud. [What a Polish pine forest whistled; stories]. Pro sheho shumiv pol's'kyi les; opovidannya. L'viv, Knyzhkovo-zhurnalne vyd-vo, 1963. 111 p. (NN)
- LU, SHU-HSIANG. [Outline grammar of Chinese. Translated from the revised Chinese]. Ocheek grammatiki kitaiskogo iazyka. Moskva, Nauka, Vol. 2, Pt. 2. [Types of connectives]. Tipy svyazi. 1965. 281 p.
- LUKIRSKAIA, K. P., and A. S. MORSHCHIKHINA. [Literature on M. Gor'ki; bibliography for 1955-1960]. Literatura o M. Gor'kom; bibliografiia 1955-1960. Pod red. K. D. Muratovoi. Moskva, Nauka, 1965. 404 p.
- LUZHANIN, MAKSYM, pseud. [Iakub Kolas relates]. Iakub Kolas rasskazyvaet. Moskva, Sovetskii pisatel', 1964. 397 p. (MI)
- L'VOV, S. L. [Month and a half in Tamara's life, a short tale]. Poltora mesatsa v zhizni Tamary; malen'kaya povest'. Moskva, Sovetskaya Rossiia, 1964. 69 p. (Korotkie povesti i rasskazy) (NNC)
- MAIAKOVSKII, V. V. [Works in three volumes]. Sochineniia v trekh tomakh. Moskva, Khudozhestvennaya literatura 1965. 3 v.
- MAKHALOV, V. V. [Steps to the sun]. Stupeni k solntsu. [Kemerovo, Kemerovskoe knizhnoe izd-vo, 1963] 92 p. (Kuzbass literaturnyi, no. 7) (IU)
- MAKSIMOV, VLADIMIR. [Man still alive; a drama in two acts]. Zhiv chelovek; drama v dvukh deistviakh. Moskva, Otdel raspriostreniia dramaticheskikh proizvedenii VUOAP, 1964. 72 l.
- MARCHENKO, V. I. [Large cabotage; a tale]. Bol'shoi kabotazh; povest'. [Moskva] Molodala gvardiia, 1964. 221 p. (NNC)
- MARSHAK, S. IA. [All year round]. Kruglyi god. Moskva, Det'skaya literatura, 1964. [16] p. (NNC)
- MARSHAK, S. IA. [For children]. Detiam. Moskva, Gos. izd-vo Det'skoi lit-ry, 1963. 133 p.
- MART'IANOV, S. N. [Frontier tales]. Pogranichnye byli. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 221 p. (CU)
- MARTYNOV, A. K. [Joy, verse. Translated from the Erza-Mordvinian]. Rados'; stikhi. Moskva, Sovetskii pisatel', 1964. 83 p. (NNC)
- MASENKO, T. H. [Thoughts about happiness; verse and poems]. Dumy pro shchastie; poezii i poemy. Kyiv, Molod', 1960. 112 p. (NNC)
- MASENKO, T. H. [Under the sky of the land of the Huculs]. Pod nebom Gutsul'shechhiy. [Moskva] Molodala gvardiia, 1954. 173 p. (NNC)
- MASLIAK, S. V. [House of health, a tale]. Budynok zodorov'ia; povist'. Kyiv, Radians'kyi pys'mennyk, 1965. 228 p.
- [MASTER OF THE COINED WORD, articles on the sixtieth birthday of Mykola Bazhan]. Maister karbovanoho slova, statii do shistsiatyrichchia z dnia narodzhennia Mykoly Bazhana. Kyiv, Radians'kyi pys'mennyk, 1964. 244 p. (CaOTU) (IU)
- MATSEVYCH, A. F. [Stoimy dawn, a novel]. Hrozone sviatannia; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 277 p. (NN)
- MEZHUROV, A. P. [Farewell to snow, a book of verse]. Proshchanye so snegom; kniga stikhov. Moskva, Sovetskii pisatel', 1961. 114 p. (NNC)
- MIKHAILOVSKII, N. G. [Students. Engineers]. Studenty. Inzhenery. Moskva, Khudozhestvennaya literatura, 1964. 524 p. (CLU)
- [MODERN FOREIGN SCIENCE FICTION. Translated from the English]. Sovremennaiia zaubezhnaya fantastika. Sost. A. Gromov. [Moskva] Molodala gvardiia, 1964. 397 p. (Puteshestviia, pulkuchentia, fantastika) (NNC)
- MOLDAGALIEV, TUMANBAI. [Daughter of the Alatau; a poem and verse]. Doch' Ala-Tau, poema i stikhi. Alma-Ata, Kargoshtizdat, 1963. 110 p. [In Kazakh]. (MI)
- MOSCOW. MOSKOVSKII GOSUDARSTVENNYI ZAOCHNIY PEDAGOGICHESKII INSTITUT. [Problems in the history of literature; transactions of the Department of Soviet and Russian Literature]. Problemy istorii literatury; trudy kafedry sovetskoi i russkoi literatury. Pod red. M. N. Zubkova. Moskva, 1964. 310 p.
- MUSTAFIN, GABIDEN. [After the storm, a novel]. Authorized translation from the Kazakh. Posle buri, roman. Moskva, Sovetskii pisatel', 1963. 444 p. (NNC)
- NAGISHKIN, D. D. [Sagittarius; a novel]. Sozvezdie strelyisa; roman. Moskva, Sovetskii pisatel', 1965. 629 p.
- NASEDKIN, F. I. [Test of the feelings, a novel]. Ispytanie chuvstv; roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 382 p. (NNC)
- NAUMOV, E. I. [Sergei Esenin, his life and works]. Sergei Esenin; zhizn' i tvorchestvo. Izd. 2. Moskva, Prosveshchenie, 1965. 280 p.
- NECHAI, M. P. [Man lives by love, a novel]. Liudyna zhyve lyubov'iu; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 232 p. (CaAEU)
- NEKRASOV, N. A. [Collected works in eight volumes]. Sobranie sochinenii v vos'mi tomakh. Moskva, Khudozhestvennaya literatura, Vol. 2. [Verse and poems, 1861-1877]. Stikhotvoreniia i poemy 1861-1877. 1965. 465 p.
- NEMIROV, I. I. [Heroic everyday life of Moldavia on the pages of "Piavda"; on the 50th anniversary of the newspaper]. Gerolicheskie budni Moldavii na strani-tsakh "Pravdy", k 50-letiu so dnia osnovaniia gazety. Kishinev, Karlia moldovenaske, 1962. 85 p. (CST-II) (WU)
- NIKITIN, I. S. [Complete collection of verse]. Polnoe sobranie stikhotvoreni. Predisl. N. I. Rylenkova, Vstup. stat'ia i prilozheniia L. A. Pletkina. Podgotovka teksta M. I. Mal'koi. Moskva, Sovetskii pisatel', 1965. 612 p. (Biblioteka poeta. Bol'shaya serlia, 2. izd.)
- NOVOSELOVA, N. I. [On the right flank is memory; verse]. Na pravom flange pamiat', stikhi. Moskva, Sovetskii pisatel', 1964. 70 p. (NNC)

- NURME, MINNI. [The crab apple tree] Metsounapuu Tallinn, Eesti Riiklik Kirjastus, 1963. 70 p. [In Estonian]
- OLESHA, IU K. [Not a day without a line, from notebook s] Ni dnia bez strochki, iz zaplennykh knizhek, Moskva, Sovetskaya Rossiya, 1965. 302 p.
- OTAROV, KERIM. [Mountain stream, verse, Translated from the Balkar] Gorniy potok, stikhi. Moskva, Sovetskaya Rossiya, 1963. 126 p. (MII)
- OVAILOV, L. S. [Story of one destiny, a novel] Istoriya odnoi sud'by, roman, Moskva, Sovetskaya Rossiya, 1963. 292 p. (MII)
- OVCHARENKO, A. I. [The epic novel "Life of Kilm Samgin" by M. Gor'kii] Roman-epopeya M. Gor'kogo "Zhizn' Kilma Samgina." Moskva, Khudozhestvennaya literatura, 1965. 164 p. (Massovaya istoriko-literaturnaya biblioteka)
- PANCHENKO, P. M. [Travelers, sonnets] Mandirivnyky, sonety Kyiv, Radians'kyi pys'mennyk, 1965 86 p.
- PARKHOMENKO, M. M. [Dramaturgy of Ivan Franko] Dramaturgiya Ivana Franko Moskva, Iskustvo, 1957. 104 p. (Ciy)
- PASIUTIN, K. F. [Yakutia in Russian belles lettres, the pre-October period] Iakutiya v russkoi khudozhestvennoi literature, dooktiabr'skii period, Iakutsk, Iakutskoe knizhnoe izd-vo, 1964. 71 p. (NNC)
- PAVLENKO, A. P. [The Sundanese language] Sundanskiyazyk. Pod obshchey red. G. P. Seiduchenko, Moskva, Nauka, 1965. 60 p. (Jazyki narodov Azii i Afriki)
- PERTSOV, V. O. [Malakovskii; his life and works in the last years, 1925-1930] Malakovskii, zhizn' i tvorchestvo v poslednie gody, 1925-1930. Moskva, Nauka, 1965. 418 p.
- PETLOVANYI, V. I. [A girl from the suburb, a novel] Devushka iz predmest'ia, roman, Kiev, Radians'kyi pys'mennyk, 1962. 391 p. (NNC)
- PETRESCU, CEZAR. [Wreck, a novel. Translated from the Rumanian] Krushenie, roman Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 657 p. (Zaubezhnyi roman XX veka) (NNC)
- PEUNOV, V. K. [Love and hate, a novel] Lyubov' i nenavist' roman. [Khar'kov] Donetskoe knizhnoe izd-vo, 1962. 366 p. (NNC)
- PODELKOV, S. A. [Field of life, verse] Pole zhizni, stikhi. Moskva, Sovetskaya Rossiya, 1963. 94 p. (NNC)
- [POETRY DAY] Den' poezii. [Kemerovo, Kemerovskoe knizhnoe izd-vo, 1964] 109 p. (Kuzbass literaturnyi)
- [POETS OF SOVIET KARA-KALPAKIA. Translated from the Kara-Kalpak] Poety sovetskoi Karakalpakii. Sost. G. Nekrasov. Red. P. Kobrakov i dr. Nukus, Karakalpakgostizdat, 1956. 305 p. (NNC)
- POKHODZHILLO, M. U. [Ivan Franko in school] Ivan Franko v shkole. Kyiv, Radians'ka shkola, 1964. 205 p. (CaOTU)
- POMIALOVSKII, N. G. [Works in two volumes] Sochineniia v dvukh tomakh. Moskva, Khudozhestvennaya literatura, 1965. 2 v.
- POPOV, N. P. [Nastia. Syktyvkar, Komi knizhnoe izd-vo] 1964. 98 p. [In Komi] (MII)
- PRIEDE, GUNARS. [Plays Translated from the Latvian] P'esy Moskva, Sovetskii pisatel', 1963 291 p. (NN)
- PRIVAL'SKII, V. N. [Dear Vladimir Il'ich] Dorogoi Vladimir Il'ich. [Moskva, Molodaya gvardiia, 1964. 163 p. (NNC)]
- [PROBLEMS OF AZERBAIJANI LITERATURE] Azerbajchan edebiyatı meseleleri, Baki, Azerbajchan SSR Elmler Akademiyası neshiriyatı, 1964. 347 p. [In Azerbaijani]
- [PROBLEMS OF LEXICOLOGY AND GRAMMAR] Voprosy leksikologii i grammatiki Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 164 p. [MICROFILM]
- PROKOF'EV, A. A. [Under the sun and under the showers] Pod solntsem i pod liyntami Leningrad, Sovetskii pisatel', 1964. 126 p. (NNC)
- PROZOROVSKII, L. V. [Foreign winds. Spear of the black prince] Chuzhie vetry. Kop'e chernogo printsa. Riga, Latvinskoe gos. izd-vo, 1964. 524 p. (NjP)
- PRUTKOV, KOZ'MA, pseud. [Selected works] Izbrannyye proizvedeniia. Valup, stat'ia, podgotovka teksta i primechaniia E. Pokusaeva. Moskva, Sovetskii pisatel', 1963. 414 p. illus. (Biblioteka poeta. Bol'shaya seriya, 2. izd.) (NcU)
- PUSHKIN, A. S. [Russian and Ludmila, a poem] Ruslan i Ludmila, poema. Moskva, Detskaya literatura, 1964. 113 p.
- PUSHKIN, A. S. [Selected works in two volumes] Izbrannyye proizvedeniia v dvukh tomakh. Moskva, Khudozhestvennaya literatura, 1965. 2 v.
- [RAINBOW; verse of Bulgarian poets. Translated from the Bulgarian] Raduga, stikhi bolgarskikh poetov. Moskva, Progress, 1964. 254 p. (NNC)
- RAMAZANOV, B. R. [The hearth, verse. Translated from the Lak] Ochag, stikhi. Moskva, Sovetskii pisatel', 1963. 76 p. (NNC)
- RESPUBLIKANSKA DIALEKTOLOGICHNA NARADA, 11th. [Transactions of the 11th Republic Dialectological Conference] Pitsi Kyiv, Naukova dumka, 1965. 225 p.
- RIMMEL, RUDOLF. [Morning, poems 1958-1963] Hommiki; kuletsi 1958-1963. Tallinn, Eesti Riiklik Kirjastus, 1963. 66 p. (Noored autorid 1963) [In Estonian]
- ROZANOVA, L. S. [Percentage of the blue sky, stories] Protsent golubogo neba, rasskazy. [Moskva] Molodaya gvardiia, 1964. 220 p. (Pervaya kniga molodogo pisatel'a) (NNC)
- RUCI'EV, B. A. [Magnet-mountain, selected verse and poems] Magnit-gora; izbrannyye stikhi i poemy. [Moskva] Molodaya gvardiia, 1964. 219 p. (NNC)
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Uchebno-metodicheskoe upravlenie po vuzam. [Teaching Russian to foreign students, fundamental methodological principles] Prepodavaniye russkogo yazyka studentam-inostranitsam, osnovnyye metodicheskie polozeniya. Pod red. I. M. Pul'kinoi, Moskva, Vysshaya shkola, 1965. 162 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'nyi gosudarstvennyi arkhiv literatury i iskustva. [V. V. Malakovskii: "Windows" of the Russian Telegraph Agency and the Main Committee of Political Education in 1919-1922; description of documentary materials] V. V. Malakovskii: "Okna" Rostia i Glavpolitprosveta 1919-1922 gg., opisaniye dokumental'nykh materialov. Moskva, No. 1. 1964. 267 p.
- [RUSSIAN-POLISH DICTIONARY. Approximately 65,000 words and expressions] Russko-pol'skii slovar'. Okolo 65 000 slov i vyrazhenii. Izd. 5, 1961. 1 dop. Pod red. I. Kh. Dvorcetskogo Moskva, Sovetskaya Entsiklopediya, 1964. 903 p.
- [RUSSIAN-TAMIL DICTIONARY. Approximately 24,000 words] Russko-tamil'skii slovar'. Okolo 24 000 slov. Sost. M. S. Andonov, A. Sh. Ibragimov, N. N. Tuganova. Pod red. P. Somasundarama. S prilozheniem knizhnogo ocherka, grammatiki russkogo yazyka, sostavlenogo M. S. Andronovym. Moskva, Sovetskaya Entsiklopediya, 1965. 1175 p.
- RUSSO, ALEKU. [Selected works] Izbrannoe. Kishinev, Kartia moldoveniaske, 1959. 171 p.
- RUSTAM, SULEIMAN. [I cannot forget; verse. Authorized translation from the Azerbaijani] Ne mogu zabyt'; stikhi. Moskva, Sovetskii pisatel', 1963. 127 p. (NNC)
- RZA, KHALIL. [True love; a poem. Authorized translation from the Azerbaijani] Nastoiashchina lyubov', poema. Moskva, Sovetskii pisatel', 1963. 65 p. (NNC)
- RZA, RASUL. [Verse. Translated from the Azerbaijani] Stikhotvoreniia. Moskva, Gos. izd-vo khudozh. lit-ry, 1958. 246 p. (Biblioteka sovetskoi poezii) (NNC)
- SALTYKOV, M. E. [The Golovlev family] Gospoda Golovlevy. Moskva, Khudozhestvennaya literatura, 1964. 361 p. illus. [Publ. under his pseud. M. S. Saltykov-Shchedrin] (NNC)
- SALYNSKII, AFANASII. [Stones in palm of your hand; a play in three acts] Kameshki na ladoni, p'esa v tsekht deistviiakh. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1965. 87 p.
- SAMARIN, R. M. [Gor'kii's conception of world literature] Kontseptsia mirovoy literatury Gor'kogo. Moskva, Vysshaya shkola, 1965. 58 p. (Sovremennaya zarubezhnaya literatura)
- SARANSK. NAUCHNO-ISSEDOVATEL'SKII INSTITUT IAZYKA, LITERATURY, ISTORII I EKONOMIKI. [Erza-Mordvinian folk songs and ballads] Erza-mokshon' morot, skazki ballad. Sost. P. S. Kirillov [i. dr.]. Saransk, Mordovskoi knizhnoi izdatel'stva, 1958. 206 p. [In Mordvinian] (Tvu)
- SARTAKOV, S. V. [Stone foundation; a tale] Kamennyi fundamant; povest'. [Moskva, Izd-vo khudozh. lit-ry, 1963] 309 p. (NNC)
- SEITLIEV, KARA. [Verse. Authorized translation from the Turkmen] Stikhotvoreniia. Moskva, Khudozhestvennaya literatura, 1964. 213 p. (Biblioteka sovetskoi poezii) (MII)
- SEMONOVSKII, KONSTANTIN. [Between you and me] Mezhu nami. Kishinev, Kartia moldoveniaske, 1964. 182 p.
- SEREBROVSKAYA, ELENA. [Beginning of life] Nachalo zhizni. [Izd. 2.] Vesenni shum. [Izd. 3., porer.] Moskva, Sovetskaya Rossiya, 1964. 699 p., 2 v. in 1. (NNC)
- SEVERTSEV, SERGEI. [Voices of three thousand islands; verse of Indonesian poets. Translated from the Indonesian] Golosa tsekht tyslach ostrovov; stikhi indonezijskikh poetov. [Moskva, Izd-vo inostr. lit-ry, 1963?] 318 p. (NNC)
- SHAMOTA, N. Z. [Literature and the life of the people] Literatura i zhizn' narodu. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 206 p. (CaOTU)
- SHAT'KO, E. I. [What the swallows are twittering about, stories and a tale] O chem trichat lastochki; rasskazy i povest'. [Moskva] Molodaya gvardiia, 1962. 238 p. (NNC)
- SHEKHTER, M. A. [Verse] Stikhotvoreniia. Moskva, Izd-vo khudozh. lit-ry, 1963. 333 p. (NNC)

- [SHINE ON FOR PEACE, SUN! Translated from the Moldavian] Sveti mlu, solntse! [Kishinev, Kartia moldoveniaske, 1964] 351 p.
- SHISHKAN, K. B. [Twenty steps to go, short stories] Dvadsat' shagov navstrechu, novelly. Kishinev, Kartia moldoveniaske, 1964. 180 p.
- SHISHKO, A. V. [Master of stonework, a tale] Kamen'nykh del master, povest'. Moskva, Sovetskii pisatel', 1965. 319 p.
- SHISHMAREV, V. F. [Selected articles, French literature] Izbrannye stat'i, frantsuzskaya literatura. Moskva, Nauka, 1965. 483 p.
- SHKLIAREVSKII, IGOR'. [Boat] Lodka. [Minsk, Belarus', 1964] 79 p. (NNC)
- SHLAPAK, D. I. A. [Oleksandr Dovzhenko, his life and works] Oleksandr Dovzhenko, zhyttia i tvorchist'. Kyiv, Znannia, 1964. 94 p. (CAOTU)
- SHTAIN, ALEKSANDR. [Between heavy rains, spring of '21. A drama in two acts (new edition)] Mezhdru lly-niami, vesna dvadsat' pervogo. Drama v dvukh deystviakh (novaia redaktsiia). Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1965. 70 l.
- SIMUKOV, A. [Without regard for his belly; Papa needs to lose weight. A comedy in two acts (new edition)] Ne shchadla zhivot; papa nado pokhudet'. Komediia v dvukh deystviakh (novaia redaktsiia). Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1965. 83 l.
- SIRAS, AMAIAK, pseud. [Ararat; a novel] Ararat; roman. Moskva, Sovetskii pisatel', 1962. 646 p. (NNC)
- SIROTINA, V. A. [Gor'kii, the master of satire, verbal means of satire in Gor'kii's journalism of the Soviet years] Gor'kii - master satiry, rechevye sredstva satiry v gor'kovskoi publitsistike sovetskikh let. [Kiev] Izd-vo Kievskogo univ., 1964. 103 p. (NJP)
- SKLIARENKO, SEMEN. [Sviatoslav; a novel] Sviatoslav; roman. [Kyiv, Dnipro, 1964] 658 p. (CAOTU)
- SKOROKHODOV, M. A., and K. I. IVANOV. [I returned to my homeland; a tale] Vernulsia ia na Rodinu; povest'. Moskva, Voenizdat, 1965. 291 p.
- SKORUPS'KYI, VOLODYMYR. [From the source; verse] Iz dzhereia; poezi. Toronto, 1961. 78 p. (U)
- SKORUPS'KYI, VOLODYMYR. [My home; verse] Moia oselia; poezi. [Edmonton, Canada] Naki, hromadian Edmonton, 1954. 96 p. (U)
- SMIRIN, I. A. [Works of I. E. Babel' as prosaist; author's abstract of a dissertation for the degree of Candidate of Philological Sciences] Tvorchest' put' I. E. Babell-prozai; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filologicheskikh nauk. Alma-Ata, Kazakhskii gos. pedagog. in-t, 1964. 22 p. [MICROFILM]
- SOKOLOV, A. N. [History of 19th century Russian literature] Istorii russkoi literatury XIX veka. [Moskva] Izd-vo Mosk. univ. Vol. 1. Izd. 2., ispr. 1965. 835 p.
- SOLOV'EV, B. I. [Poet and his great deed, on the works of Aleksandr Blok] Poet i ego podvig, tvorchest' put' Aleksandra Bloka. Moskva, Sovetskii pisatel', 1965. 695 p.
- SPITSYNA, N. A. [Griboedov in school; a teachers' manual] Griboedov v shkole; posobie dlia uchitelei. Izd. 2., perer. i dop. Moskva, Prosveshchenie, 1964. 139 p. (NIC)
- STADNIUK, I. F. [Man does not give up; tales and stories] Chelovek ne sdatsia; povesti i rasskazy. Moskva, Voen. izd-vo M-va obor. SSSR, 1964. 459 p. (NNC)
- STANIVS'KYI, M. F. [The Old Church Slavonic language] Staroslavianska mova. [Kharkiv] Vyd-vo L'vivs'ko-ho univ., 1964. 469 p.
- STAS', A. A. [Underground torch; a tale] Podzemnyi fakel, povest'. Moskva, Voenizdat, 1965. 163 p. (Biblioteka soldata i matrosa)
- STREL'TSOV, A. M. [Prose by V. F. Panova, 1946-1959; author's abstract of a dissertation for the degree of Candidate of Philological Sciences] Proza V. F. Panova 1946-1959 godov, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filologicheskikh nauk Nauchn. rukovoditel' - V. N. Afanas'ev. Moskva, Mosk. gos. pedagog. in-t, 1964. 17 p. [MICROFILM]
- SURKIN, M. S. [Soviet drama is the teacher of the new man, from the transactions of an Academic Conference held at the State University of the Soviet Far East in May, 1963] Sovetskaya drama - vospitatel' novogo cheloveka, iz trudov Nauchnoi konferentsii, prokhorivshei pri DVGU v mae 1963 goda. Vladivostok, Dal'n'evostochnoe knizhnoe izd-vo, 1964. 22 p. [MICROFILM]
- SUTUEVA, T. O. [Dante Alighieri; on the 700th anniversary of his birth] Dante Alighieri; k 700-letiu so dnia rozhdeniia. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v zhizni, nauke, tekhnike; VI Seriya: Literatura i Iskustvo, no. 8)
- SUUMAN, ALEKSANDER. [Lo, that's a man; poems 1957-1963] Oh seda inimes; luuletusi 1957-1963. Tallinn, Eesti Riiklik Kirjastus, 1963. 73 p. (Noored autorid 1963) [In Estonian]
- [TALES OF THE PEOPLES OF THE U.S.S.R.] Kazky narodiv SRSR. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1956. 100 p. (U)
- TANK, MAKSM, pseud. [Verse and poems] Stikhotvorenia i poemy. [Moskva, Gos. izd-vo khudozh. lit-ry, 1959. 287 p. (Biblioteka sovetskoi poezii) (NN)
- TATARSKI, ANDREI. [Doomerang, a week in the life of an intelligence officer. A play in three acts] Bumerang, nedelia iz zhizni razvedchika. P'esa v trekh deystviakh. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1965. 95 l.
- TAVZISHVILI, G. I. [To Ekaterina Gabashvili. Ekaterine Gabashvili. Tbilisi, Nakaduli] 1963. 60 p. [In Georgian] (MH)
- TERTERIAN, I. A. [The Brazilian novel of the 20th century] Brazilijskii roman XX veka. Moskva, Nauka, 1965. 228 p.
- TMOFEEVA, V. V. [Language of a poet and the times, the poetic language of Malakovskii. Author's abstract of a dissertation for the degree of Doctor of Philological Sciences]azyk poeta i vremia; poeticheskiiazyk Malakovskogo. Avtoreferat dissertatsii na soiskanie uchenoj stepeni doktora filologicheskikh nauk. Moskva, Izd-vo VPSI i AON pri TsK KPSS, 1963. 31 p. [MICROFILM]
- TOMAN, N. V. [Jump over the impossible, tales and stories] Pryzhok cherez nevozmozhnoe; povesti i rasskazy. Moskva, Voenizdat, 1965. 338 p. (Voennoye priklucheniia)
- TSERETELI, A. R. [Lyrics, Translated from the Georgian] Lirika. [Moskva, Gos. izd-vo khudozh. lit-ry, 1962]. 295 p. (Stikhotvorenia i poemy) (NN)
- TSIVIAN, T. V. [The noun in the Balkan languages; on the structural and typological characteristics of the Balkan language union] imia rushchestvitol'noe v balkanskikhazykakh; k strukturno-tipologicheskoj kharakteristike balkanskogoazykovogo soluza. Moskva, Nauka, 1964.
- TULNIK, VITALIE. [Awakening of violins, verse] Probuzhdenie skripki; stikhi. [Kishinev] Kartia moldoveniaske] 1963. 58 p. [In Moldavian] (MH)
- TYCHININ, V. V. [Year of life; a novel] God zhizni; roman. [Moskva] Sovetskii pisatel', 1965. 452 p.
- UDALOV, A. A. [The cup of patience, a novel] Chasha terpeniia, roman. [Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1964] 401 p. (NNC)
- UDOVYCHENKO, M. P. [My treasure; lyrics] Mii skarb, lirky. Kyiv, Dnipro, 1965. 110 p.
- UL'TSIFEROV, O. G. [Hindi-Russian school dictionary] Khindi-russkii uchebnyi slovar'. Pod red. Iashvania 4500 slov, s prilozheniem kratkogo grammaticheskogo ochei ka russkogoazyka. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarci, 1962. 744 p. (NN)
- ULZYTUEV, DONDOK. [Selected lyrics, Translated from the Buryat. Izbrannaya lirika Moskva] Molodiia gvardiia, 1964. 28 p. (Biblioteka izbrannoi liriki) (NNC)
- USPENSKI, A. V. [A girl with freckles; comedy in three acts] Devushka s vosnushkami; komediia v trekh deystviakh. Moskva, Iskustvo, 1963. 93 p. (NNC)
- VENTSEL', A. K. [Mannequin; fables] Maneken; basni. Moskva, Sovetskaya Rossiia, 1965. 19 p. (Biblioteka "V pomoshch' khudozhestvennoi samodeiatel'nosti, no. 2)
- VIAZOVSKI, H. A. [The literary-artistic type and its prototypes] Literaturno-khudozhnii tip i ego prototypy. Kyiv, Derzhlitvydvy Ukrainy 1962. 73 p. (Besidy pro khudozhnuiu literaturu)
- VIKHEV, E. F. [Selected works] Izbrannye proizvedeniia. [Ivanovo, Ivanovskoe knizhnoe izd-vo, 1961] 309 p. (CLU)
- VILDE, EDUARD. [At daybreak; a tale and stories. Translated from the Estonian] Na zare; povest' i rasskazy. Tallin, Estonskoe gos. izd-vo, 1964. 471 p.
- VILKOMIR, L. V. [Roads; verse] Dorogi; stikhi. Moskva, Sovetskii pisatel', 1964. 79 p. (U)
- VISHNEVSKI, V. V. [Collected works in five volumes] Sbranie sochinenii v plati tomakh. Moskva, Gos. izd-vo khudozh. lit-ry. Vol. 6. [Supplementary] (Dopolnitel'nyi). [Speeches and radio talks. Notebooks. Letters] Vystupleniia i radiorechi. Zapisnye knizhki. Pis'ma. 1961. 723 p. [MICROFILM]
- [VOICE OF YOUTH; verse] Golas iunosti, stikhi. Saransk, Mordovskoe knizhnoe izd-vo, 1964. 63 p. (Molodye poety Mordovii) (NNC)
- VOLODARSKI, Z. M. [One act plays] Odnoktlni p'sy; zbirnyk. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 169 p. (Biblioteka samodeiatel'noho teatru) (NN)
- VTOROV, N. V. [It happened at the front; a tale] Eto bylo na fronte; povest'. [Moskva] Molodiia gvardiia, 1965. 334 p. (Pervaiia kniga molodogo pisatel'a)
- VYSHNIA, OSTAP, pseud. [Humorous stories] Iumoristicheskie rasskazy. Moskva, Khudozhestvennaia literatura, 1964. 310 p. (NNC)
- [YOUTH SPEAKS] Slovo molodykh. [Moskva] Mosk. rnbochi, 1963. 142 p. (NIC)
- ZAKIR, KASUM BEK. [Works] Eserleri. Baky, Azerbajchan SSR Elmter Akademikasy Neshriyaty, 1964. 583 p. [In Azerbaijani]
- ZAPADOV, V. A. [Gavril Romanovich Derzhavin; a biography. Textbook for students] Gavril Romanovich Derzhavin; biografiia. Posobie dlia uchashchikhsia. Moskva, Prosveshchenie, 1965. 164. (Biografiia pisatel'a)

ZARDAM, G. M. [Selected verse and letters] Izbranye stikhi i pis'ma. Sost., predist., kommentarii i primечaniya Z. B. Gelusova. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 487 p (NNC)

ZBANATSKII, IU. O. [Islands of Kurilo, a tale] Kurilovy ostrova, povest'. [Leningrad] Lenizdat, 1965. 262 p

ZHDANOVA, LIDIA [Leaves, verse] List'ia. Riga, Latvieskoe gos. izd-vo, 1963. 66 p. (NNC)

ZHIRMUNSKAIA, T. A. [Region of my love, lyric verse] Raion moei lyubvi, liricheskie stikhi [Moskva] Molodaia gvardiia, 1962. 69 p. (NNC)

ZHURAKHOVYCH, S. M. [Sapling under the window; stories] Derevtse pod oknom, opovidan'ia Kyiv, Radians'kyi pys'mennyi, 1965. 284 p

ZHURBA, P. T. [Aleksandr Matrosov. Grandchildren of a bandurist] Aleksandr Matrosov. Vnuki bandurista. [Leningrad] Lenizdat, 1965. 810 p.

ZLOBIN, G. P. [Contemporary dramaturgy in the U.S.S.R., a critical review of the twenty years after the war] Sovremennaya dramaturgiia SSHA, kriticheskie ocherky poslevoennogo dvadtsatip'iatil'ia Moskva, Vysshiaia shkola, 1965. 95 p. (Sovremennaya zarubezhnaya literatura)

ZOSHCHENKO, M. M. [Stories, unpublished feuilletons, works and comedies] Rasskazy, neizdannyye fel'etony, proizvedeniia, komedii. Leningrad, Sovetskii pisatel', 1962. 402 p. (NS;U)

ZVEJSALNIEKS, BOLESILAV. [Lost years, pages from the past. As told to Petris Baugis] Pertejannye gody, stranitsy proshlogo. Literaturnaja zapis' Petera Baugisa. Riga, Latvieskoe gos. izd-vo, 1964. 235 p. (Lit)

## 12. GEOGRAPHY & GEOLOGY

AKADEMIA NAUK ARMIAKSKOI SSR, Erevan, Institut geologicheskikh nauk. [Transactions of the Institute of Geological Sciences; reports of the session devoted to the 25th anniversary of the foundation of the Institute] Trudy Instituta geologicheskikh nauk, doklady na Iubileinoi sessii, posviashchennoi 25-letii osnovaniia Instituta. Pod red. S. S. Mkrtchiana, Erevan, 1963. 191 p.

AKADEMIA NAUK SSSR, Institut nauchnoi informatsii. [Geochemistry, mineralogy, petrography, 1962] Geokhimiia, mineralogiia, petrografiia, 1962 g. Moskva, 1964. 235 p. (Itogi nauki)

AKADEMIA NAUK SSSR, Komissia po izucheniiu chetvertichnogo perioda. [Quaternary period and its history, for the Seventh Congress of the INQUA held in the U.S.A., 1965] Chetvertichnyi period i ego istoriia; k VII Kongressu INQUA (SSHA, 1965). Moskva, Nauka, 1965. 221 p.

AKADEMIA NAUK SSSR, Laboratoriia ozerovedeniia. [Water budget and silt of small reservoirs in the central Chernozem provinces of the R. S. F. S. R.] Vodnyi balans i zallenie mal'kikh vodokhranilishch Chernozemnogo TSentra RSFSR. Moskva, Nauka, 1965. 241 p.

AKADEMIA NAUK SSSR, Nauchnyi Sovet po rudobrazovaniiu. [Mineralogical thermometry and barometry] Mineralogicheskaja termometriia i barometriia. Moskva, Nauka, 1965. 327 p

AKADEMIA NAUK SSSR, Sibirskoe otdelenie, Institut geologii i geofiziki. [Clays and clay minerals of Siberia] Gliny i glinitse mineraly Sibiri. Moskva, Nauka, 1965. 131 p.

AKADEMIA NAUK SSSR, Sibirskoe otdelenie, Institut morzlotovedeniia. [Suntar-Khayaia] Suntar-Khayaia, Moskva, [Is] Materialy glaciologicheskikh issledovaniia

Korelskaia, M. M. [no title] 1963. 105 p. Sapozhnikov, R. M. [Geothermal observations and measurements of heat flow] Geotermicheskie nabludeniia i izmereniia teplovykh potokov. 1963. 179 p.

AKADEMIA NAUK URSR, Kiev. [Hydrophysical and hydrochemical studies, an Interdepartmental Republic-wide collection] Gidrofizicheskie i gidrokhimicheskie issledovaniia, mezhvedomstvennyi respublikanskii sbornik. Kiev, Naukova dumka, 1965. 137 p. (Seria "Gidrofizika i gidrokhimika")

ALESINSKAIA, Z. V., and N. G. ZAIKINA. [Guidebook for practical exercises in a course on "Quaternary geology", method of diatom analysis] Rukovodstvo k prakticheskimi zaniatiam po kursu "Chetvertichnaya geologiya", metod diatomovogo analiza. Pod red. A. P. Zhurze. Moskva, Mosk gos. univ., 1964. 74 p

ANTONOVYCH, K. M. [Ukrainian costume, historical notes, practical advice, drawings, designs. Costumes of the Cossack period] Ukrain's'kyi odiah; istorichni zamitky, praktichni porady, rysunki, vzory. Odiah kozats'koi doby. 2., perevirena i poshyrene vyd. Winnipeg, Nakl. Organizatsii ukrainok Kanady, 1964. 36 p. illus. (IU)

AVERKIEVA, IU. P., and V. K. SOKOLOVA. [7th International Congress of Anthropological and Ethnological Sciences] VII Mezhdunarodnyi kongress antropologicheskikh i etnograficheskikh nauk. Moskva, Izd-vo "Znanie", 1965. 31 p. (Novoe v zhizni, nauke, tekhnike, i Seria: Istoriia, no. 10)

BALABUSHEVICH, I. A. [Pipet graben, practice in the paleotectonic analysis of its present-day structure] Pripiatskii graben, opyt paleotektonicheskogo analiza sovremennogo stroeniia. Kiev, Naukova dumka, 1965. 170 p.

BANDARCHYK, V. K. [History of White Russian ethnography of the 19th century] Istoriia Belaruskai etnografii XIX st. Minsk, Navuka i tekhnika, 1964. 280 p. (InU)

BOGORAD, D. I. [Constructive geography of a region, principles of regional planning] Konstruktyvnaya geografika regiona, osnovy regionalnoi planirovki. Moskva, Mysl', 1965. 400 p.

BULAKH, A. G. [Geological excursion to the environments of Pitkvaranta] Geologicheskaja ekskursiia v okrestnosti Pitkvaranta. Pod upravleniemo, Gos. izd-vo KASSR, 1961. 107 p. illus., maps. (NNC)

CHOPIKASHVILI, NINO. [Georgian costume, the 6th-14th centuries, Georgian costume, VI-XIV vv] Tbilisi Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 158 p. 92 illus. [In Georgian]

[CITY OF GORKIY, a brief guidebook] Gorod Gor'kiy; kratkii spravochnik. 2. ispr. i dop. izd. [Gor'kiy] Volgovo-Vlaskoe knizhnoe knizhnoe izd-vo, 1964. 166 p. illus. (CS-II)

DAGLIA, A. [Pavezeys, Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1960. 38 p. illus. [In Lithuanian]

EZ, V. V., D. E. GAFY, and B. I. KUZNETSOV. [Morphology and conditions governing the formation of holomorphic folding as revealed by a study of the Silair synclorium of the Southern Urals] Morfologiya i usloviia obrazovaniia golomorfnoi skladchatosti na primere Silairskogo sinklinorlia Tuzhnogo Urala. Moskva, Nauka, 1965. 100 p.

[THE FAR EAST, a photographic album] Dal'nii Vostok; fotoalbum. Moskva, Mysl', 1964. 118 p. (Geograficheskaja seria: Nasha Rodina)

[GEOLOGY OF THE U. S. S. R.] Geologiya SSSR. Glav. red. A. V. Sidorenko, Moskva, Nedra, Vol. 44, Rostovtsev, N. N., and others, eds. [West Siberian Plain] Zapadno-Sibirskaja nizmennost'. Pt. 1. [Geological description] Geologicheskoe opisaniie. 1964. 550 p.

GLEBOV, IU. F., and others. [Through Ivanovo Province; a guidebook] Po Ivanovskoi oblasti; putevoditel'. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1958. 203 p.

GORZHEVSKII, D. I., and V. N. KOZERENKO. [Relation of endogene ore formation to igneous activity and metamorphism; introduction to the metallogeny of the endogenic processes of ore formation] Svyaz' endogenno-go rudobrazovaniia s magmatizmom i metamorfizmom, vvedenie v metallogeniia endogennykh protsessov rudobrazovaniia. Pod red. V. I. Smirnova. Moskva, Nedra, 1965. 290 p.

IACHNIK, E. S. [The city of Fiume, a guidebook] Gorod Fiume, putevoditel'. Fiume, Kirgizskoe gos. izd-vo, 1963. illus.

KABANOV, A. S. [Na'chik during the decade, 1953-1963] Na'chik za desiat' let, 1953-1963. Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1964. [80] p. illus. (MII)

KALININGRAD. [Kaliningrad, Kaliningradskoe knizhnoe izd-vo, 1964] 1 v. (chiefly illus.)

KARAKASHLY, K. T. [Material culture of the Azerbaijani of the northeastern and central zones of the Lesser Caucasus, an historical and ethnographical study] Material'naya kul'tura azerbaijdzhantsev Severo-vostochnoi i Tsentral'noi zon Malogo Kavkaza; istoriko-etnograficheskoe issledovanie. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 282 p.

KHALILOV, A. G. [Stratigraphy of Lower Cretaceous sediments in the southeastern extremity of the Greater Caucasus] Stratigrafiia nizhnemelovykh otlozhenii Tugo-Vostochnogo okonchaniia Bol'shogo Kavkaza. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 206 p.

KLAAMANN, E. R. [Late Ordovician and Early Silurian Favosites of Estonia] Pordaeodovidskie i rannesilurskie Favositida Estonii. Tallinn, In-geol. AN Estonskoi SSR, 1964. 116 p. illus.

KOLLOKVIUM PO MIKROFAUNE NEOGENA SSSR, Ist. Kiev, 1962. [Decision of the First Colloquium on Neogene Microfauna of the U. S. S. R.] Postanovlenie, Otv. red. V. I. A. Didkovskii, Kiev, Akad. nauk USSR, 1962. 7 p.

[MICROFILM]

KORULIN, D. M. [Geology and minerals of White Russia] Geologiya i poleznye iskopayemye Belorussii. Minsk, Izd-vo M-va vysshago, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 119 p. [MICROFILM]

KOSAREVSKI, I. A. [Softyovka; a concise guidebook] Softyovka; kratkii putevoditel'. 6. izd. Kiev, Budivelnik, 1965. 37 p. illus. diagr. (insert)

KULIEV, A. A. [G. Z. Shtrvan, prominent Azerbaijani scholar and traveler] Azerbajdzhany kuzkenli sejjah va alimi hachy zehnalabdin Shtrvan. Baku, Azerbajdhan SSR Elmior Akademiyasy Neshiijaty, 1964. 200 p. [In Azerbaijani]

KUROCHIKIN, IU. M. [Memorable paths; true stories of various years] Pamiatnye tropy; lybi raznykh let. Sverdlovsk, Brodna-Ural'skoe knizhnoe izd-vo, 1964. 142 p.

LENINGRAD. ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSEDOVATELSKII INSTITUT. [Russian Arctic expeditions of the 17th-20th centuries; problems in the history of studying and mastering the Arctic] Russkie arkticheskie ekspeditsii XVII-XX vv., voprosy istorii izucheniia i osvoeniia Arktiki. Pod red. M. I. Belova. Leningrad, Gidrometizdat, 1964. 231 p.

MARKSOO, ANN. Kohla-Jarvo. Tallinn, Eesti Riiklik Kirjastus, 1958. 23 p. [In Estonian]

MEZHVEDOMSTVENNOE SOVESICHANIE PO RAZRABOTKE UNIFITSIROVANNYKH STRATIGRAFICHESKIH SKHEM DLA SEVERO-VOSTOKA, Muradov, 1967. [Decisions of the Interagency Conference] Resheniia Mezhvedomstvennogo soveshchaniia. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1968. 51 p. (chiefly fold, tables) (NNC)

MEZHVEDOMSTVENNOE SOVESICHANIE PO RAZRABOTKE UNIFITSIROVANNYKH STRATIGRAFICHESKIH SKHEM DLA SEVERO-VOSTOKA, Muradov, 1967. [Decisions of the Interagency Conference] Resheniia Mezhvedomstvennogo soveshchaniia. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1969. 86 p. fold, tables, fold, maps. (NNC)



- ISHIMANOVA, G. V., and A. P. NOROEN. [Introduction to conformal geometry. Vvedenie v konformnuyu geometriyu [Kazan'] Izd-vo Kazanskogo univ., 1964. 92 p.]
- IBOTAREV, R. S. [Essays on the history of medical and veterinary parasitology, from the most ancient times until the end of the 19th century. Ocherki po istorii meditsinsko i veterinarnoi parazitologii s drevneishikh vremen do konets XIX v. Minsk, Nauka i tekhnika, 1965. 190 p.]
- VIDOV, R. B., and V. P. SOKOLOVSKII. [Milk and health] Moloko i zdorov'e. Moskva, Meditsina, 1965. 52 p. (Nauchno-populiarnaya meditsinskaya literatura)
- ILIN, V. G. [Larvae of click beetles (wireworms) of the European part of the U. S. S. R.] Lichinki zhukov-shechelkunov; pivochniki Evropeiskoi chasti SSSR. Kiev, Izd-vo "Urozhai," 1964. 206 p. (NIC)
- IBENTSOV, V. R. [Air currents and temperature distribution in the stratosphere and mesosphere in the northern hemisphere, according to materials of the IGY and the International Geophysical Collaboration] Vozdushnye techeniya i raspredeleniye temperatury v stratosfere i mezosfere v severnom polusharii; po materialam za period MGG i MGS. Moskva, Gidrometeoizdat, 1965. 93 p. 29 plates.
- HAPARIDZE, L. I. [Sex in plants] Pol u rastenii. Tbilisi, Metsierba, 1964. 28 p. (Biokhimiya i fiziologiya rastenii)
- STI NSV TEADUSTE AKADEEMIA. [Experimental-animalology Institute. Studies of animal physiology] Issledovaniya po fiziologii zhivotnykh. Tallin, 1964. 138 p.
- STI NSV TEADUSTE AKADEEMIA. [Zoologia ja Botaanika Institut. Study of the vegetation of Saaremaa Island] Izucheniye rastitel'nosti ostrova Saaremaa. Tartu, 1964. 285 p.
- ISTRATOVA, T. A., K. R. SULEIMANOVA, and A. S. SHUMOV. [Problems for a course in higher mathematics] Sbornik zadach po kursu vysshei matematiki. Moskva, Vysshaya shkola, 1964. 204 p. (MICROFILM)
- DOROV, A. I. [Conservation and use of natural resources] Okhrana i ispol'zovanie prirodnnykh resursov. Alma-Ata, Kazsel'khozgiz, 1964. 135 p.
- ORA OF KAZAKHSTAN [Flora Kazakhstan. Glav. red. N. V. Pavlov. Sost. A. N. Vasil'eva i dr. Alma-Ata, Nauka, 1965. 444 p.]
- THANOV, F. N. [Problems of biological chemistry; manual for students of the science departments in pedagogical institutions of higher learning] Voprosy biologicheskoi khimii; uchebnoe posobie dlia studentov sotsialnykh fakul'tetov pedvuzov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 123 p.
- ZBURG, V. V., and L. V. MIKHAILOVA. [Path of a Soviet anatomist, on the tenth anniversary of V. N. Tonkov's death] Put' sovet'skogo anatoma; k desyatiletiyu so dnia smerti V. N. Tonkova. [Leningrad] Meditsina, 1965. 163 p.
- DENKO, B. V., and A. A. KHINCHIN. [Elementary introduction to the theory of probability] Elementarnye vvedeniye v teoriyu veroyatnostei. Izd. 6. Moskva, Nauka, 1964. 142 p.
- GODLEVSKII, M. N. [Methods for preparing diagrams in physics and chemistry] Metodika sostavleniya fiziko-khimicheskikh diagramm. Moskva, Nedra, 1965. 87 p.
- GOLDFARB, D. M., ed. [Microcosmos of life] Mikrokosmos zhizni. Moskva, Izd-vo "Znanie," 1965. 236 p. (Nauchnyi universitet kul'tury Estestvennonauchnyi fakul'tet, nos. 1/2/3)
- GOLYSHEV, L. K. [Electronic digital computers] Elektronnuyye tsifrovyye vychislitel'nyye mashiny. Izd. 2., ispr. i dop. Kiev, Tekhnika, 1965. 447 p.
- GORBOV, V. A., and others, eds. [Basic problems of the sanitary protection of soil] Osnovnyye voprosy sanitarnoi okhrany pochvy. Moskva, Meditsina, 1965. 344 p.
- GORKI. (MOGILEVSKAYA OBLAST') BELARUSKAYA AKADEMIYA SEL'SKAE HASPADARKI [Construction of geodetic survey control networks] Postroyeniye setei geodezicheskogo a'emochnogo obosnovaniya. Pod red. I. V. Zubritskogo. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 106 p.
- GUROVA, N. I. [Age-related morphology of the human chest] Vozrastnaya morfologiya grudnoi kletki cheloveka. Moskva, Prosveshchenie, 1965. 215 p.
- GUTKIN, A. M., and I. P. FEDOROVA. [Errors in physical measurements] Pogreshnosti pri fizicheskikh izmereniyakh. Red. I. A. Fomina. Moskva, Energiya, 1964. 28 p.
- IVANOV, A. V. [Spiders, their structure, way of life and significance for man] Pauki, ikh stroyeniye, obraz zhizni i znachenie dlia cheloveka. [Leningrad] Izd-vo Leningr. univ., 1965. 304 p.
- IVANOV, K. P. [Muscle system and chemical thermoregulation] Myshechnaya sistema i khimicheskaya termoregulyatsiya. Moskva, Nauka, 1965. 125 p.
- IVCHENKO, S. I. [Riddles of cinchona; stories about trees] Zagadki tsinkhony rasskazy o derev'yakh. [Moskva] Molodaya gvardiya, 1965. 206 p.
- KAPUSTINSKAYA, K. A. [Henri Becquerel] Anri Bekkerel'. Moskva, Atomizdat, 1965. 81 p.
- KARPUKIN, G. I. [Bacteriological examination and disinfection of the air] Bakteriologicheskoye issledovaniye i obezrazazhivaniye vozdukh. Moskva, Medgiz, 1962. 255 p.
- KARTSEV, V. P. [Superconductors in physics and engineering] Sverkhprovodniki v fizike i tekhnike. Moskva, Izd-vo "Znanie," 1965. 47 p. (Novoe v zhizni, nauka, tekhnika. IX Seriya: Fizika, Matematika, Astronomiya, no. 9)
- KAZAKH S. S. R. [Upravleniye okhotnich'ego khoziaistva i zapovednikov. (Preserves of Kazakhstan, essays) Zapovedniki Kazakhstana, ocherki, 2. izd. Alma-Ata, Kazakhskoye gos. izd-vo, 1963. 134 p.]
- KITAIGORODSKII, A. I. [Physics, my profession] Fizika - moia professiya. Moskva, Molodaya gvardiya, 1965. 174 p.
- KNUNIANIS, I. L., and V. G. ASTAKHOVA. [Challenge to a great secret] Vyzov velikoi tajne. Moskva, Izd-vo "Znanie," 1965. 47 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya: Estestvoznaniye i religiya, no. 5)
- KONDRATEV, K. IA. [Actinometry] Aktinometriya. Leningrad, Gidrometeoizdat, 1965. 690 p.
- KOROBCHIKIN, B. I., and I. A. FILEPOV. [Tables of modified Whitaker functions] Tablitsy modifitsirovannykh funktsii Uittchera. Moskva, Vychislitel'nyi tsentr AN SSSR, 1965. 321 p. table (insert)
- KRAPIVIN, V. F. [Wald's distribution tables] Tablitsy raspredeleniya Val'da. Moskva, Nauka, 1965. 163 p.
- KRAVTSOV, V. A. [Atomic masses and nuclear binding energies] Massy atomov i energii svyazi iader. Moskva, Atomizdat, 1965. 375 p.
- KRUGLIAK, I. A., and D. R. WHITMAN. [Tables of quantum chemistry integrals] Tablitsy integralov kvantovoi khimii. Moskva, Vychislitel'nyi tsentr, Vol. I. [Tables of the integrals] 
$$A_n(1, \alpha) = \int_1^{\infty} x^n e^{-\alpha x} dx \text{ and } B_n(\alpha) = \int_{-1}^1 x^n e^{-\alpha x} dx$$
 Tablitsy integralov 
$$A_n(1, \alpha) = \int_1^{\infty} x^n e^{-\alpha x} dx \text{ i } B_n(\alpha) = \int_{-1}^1 x^n e^{-\alpha x} dx$$
 1963. 438 p.
- KUTLUMURATOV, DZHAMURAT. [Development of combinatorial methods in mathematics] O razvitiikh kombinatornykh metodov matematiki. Nukus, Karakalpaklia, 1964. 114 p.
- LATMANIZOVA, L. V. [Lectures on the physiology of the nervous system] Lektsii po fiziologii nervnoi sistemy. Moskva, Vysshaya shkola, 1965. 311 p.
- LEBEDEV, A. N., and V. D. SMOLOV, eds. [Laboratory work on a course in "Electronic analog computers"] Laboratornyye raboty po kursu "Vychislitel'nyye mashiny nopyernynogo deistviya." Moskva, Vysshaya shkola, 1965. 211 p.
- LENINGRAD, UNIVERSITET. [Soil and geobotanical research in the Northwest of the U. S. S. R.] Agropochvennyye i geobotanicheskiye issledovaniya Severo-Zapada SSSR, sbornik statei. [Leningrad] 1965. 134 p.
- LEVINA, R. E. [Variety and evolution of the forms of plant reproduction] Mnogobrazie i evolyutsiya form razmnozheniya rastenii. Izd. 2., ispr. Moskva, Prosveshchenie, 1964. 85 p.
- MALYGIN, K. A. [Historical elements in the teaching of mathematics in secondary schools, a teachers' manual] Elementy istorizma i [i. e., v] prepodavanii matematiki v srednei shkole, posobie dlia uchitelei. Izd. 2. Pod red. L. A. Sidorova. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 222 p. (KU)
- MANTEIFEL', B. P. [Living silver] Zhivoe srebro. Moskva, Mysl', 1965. 230 p. (Rasskazy o prirode)
- [METHODS OF ANALYSING RADIOACTIVE PREPARATIONS] Metody analiza radioaktivnykh preparatov; sbornik statei. Moskva, Atomizdat, 1965. 174 p.
- MEZHRESPUBLIKANSKOE KOORDINATSIONNOE SOVESHCHANIYE PO PROBLEMAM BIOLOGII, SEL'SKOGO KHOZIAISTVA I MEDITSINY, KOORDINIRUEMYM PO ZAKAVKAZ'U V 1960-1961 GODAKH, 2d. [Abstracts of reports of the 2d Interrepublic Coordination Conference on Problems of Biology, Agriculture and Medicine of Transcaucasia in 1960-1961] Tezisy dokladov. Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR, 1962. 75 p.
- MIRONENKO, A. V. [Physiology and biochemistry of lupine] Fiziologiya i biokhimiya lupina. Minsk, Nauka i tekhnika, 1965. 201 p.
- MOLOSTOV, A. S. [Elements of variational statistics] Elementy variatsionnoi statistiki. Kiev, Urozhai, 1965. 180 p.
- MOSCOW. VSESOIUZNYI ZAOCHNYI INSTITUT TEKSTIL'NOI I LEGKOI PROMYSHLENNOSTI. Fakul'tet usovershenstvovaniya inzhenerov i rukovodivshchikh rabotnikov legkoj promyshlennosti. [Present-day concepts of the structure and properties of collagen] Sovremennyye predstavleniya o stroenii i svoystvakh kollagena. Moskva, 1964. 147 p.
- MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Sektsiya gidrobiologii i ikhtologii. [Biology of the blue-green algae] Biologiya sine-zelenykh vodoroslei. Pod red. V. D. Fedorova i M. M. Telichenko. [Moskva] Izd-vo Mosk. univ., 1964. 102 p.
- [NATURAL SCIENCES AND THE BUILDING OF COMMUNISM] Estestvoznaniye i stroitel'stvo kommunizma. [Moskva] Izd-vo Mosk. univ., 1965. 408 p.
- NOVIKOV, I. D., and V. A. SHISHAKOV. [Homemade astronomical instruments and observations with them] Samodel'nyye astronomicheskiye instrumenty i nabludeniya s nimi. Moskva, Nauka, 1965. 122 p. diagr. (insert)



- PAYLOV, B. A., and A. P. TERENT'EV. [Course in organic chemistry] Kurs organicheskoi khimii. Izd. 5., pereb. Moskva, Khimiia, 1965. 606 p.
- PEREL'MAN, F. M. [Representation of chemical systems with any number of components] Izobrazhenie khimicheskikh sistem s lubyim chislom komponentov. Moskva, Nauka, 1965. 98 p.
- PIATNITSKII, I. V. [Analytical chemistry of cobalt] Analiticheskaya khimiia kobalta. Moskva, Nauka, 1965. 259 p. (Seria: "Analiticheskaya khimiia elementov")
- PIKUNOV, N. S. [Differential and integral calculi for technical schools of higher education] Differentsial'noe i integral'noe ischisleniia dlia vtuzov. Izd. 6. Moskva, Nauka, 1965. 312 p.
- RABINOVICH, I. M. [Watching over precision, pages from the life and activity of F. I. Blumbakh] Na strazhe tochnosti: stranitsy iz zhizni i deiatel'nosti F. I. Blumbakha. Riga, Latvieskie gos. izd-vo, 1965. 81 p.
- REVO, A. IA. [Qualitative microchemical reactions of organic chemistry] Kachestvennye mikrokhimicheskie reaktsii po organicheskoi khimii. Izd. 2., pereb. 1 dop. Moskva, Vysshaya shkola, 1965. 255 p.
- RODINA, A. G. [Methods of water microbiology, a laboratory manual] Metody vodnoi mikrobiologii; prakticheskoe rukovodstvo. Moskva, Nauka, 1965. 361 p.
- RUSINOV, M. M. [Nonspherical surfaces in optics] Nestericheskie poverkhnosti v optike. Moskva, Nedra, 1965. 194 p.
- RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie okhoi-nich'ego khoziaistva i zapovednikov. Biuro tekhnicheskoi informatsii [Preserves of the U. S. S. R.] Zapovedniki SSSR. Moskva, 1964. 73 p.
- SEREBRENNIKOV, M. G., and A. A. PEROVZVANSKII. [Discovery of hidden periodicities] Vytayenie skrytykh periodichnostei. Moskva, Nauka, 1965. 244 p.
- SHAKHNO, K. U. [How to prepare for the entrance examinations in mathematics at a school of higher education] Kak gotovit'sia k priemnymykh ekzamenam v vuz po matematike. Izd. 3., ispr. i dop. Moskva, Vysshaya shkola, 1965. 271 p.
- SHCHEGLOV, P. V., ed. [New methods in astrophysics. Translated from the English and French] Noveye metody v astrofizike. Moskva, Izd-vo "Mir," 1964. 251 p. (Problemy astronomii i geofiziki)
- SHCHEGOLEV, V. N. [Entomology] Entomologiya. Moskva, Vysshaya shkola, 1964. 331 p. (CU)
- SHEFTAL', N. N., ed. [Crystallization from the gaseous phase] Kristallizatsiia iz gazovoi fazy. Moskva, Izd-vo "Mir," 1965. 344 p.
- SIMPOZIUM PO ELEMENTARNYM PROTSESSAM KHIIMII VYSOKKH ENERGI, Moscow, 1963. [Elementary processes of the chemistry of high energies; transactions] Elementarnye protsessy khimii vysokikh energii; tudy. Moskva, nauka, 1965. 317 p.
- SIMPOZIUM PO VOPROSAM PROIZVODSTVA I PRIMENENIIA GLUKOZOOKSIDAZY. Kiev, 1964. [Proteins in medicine and the national economy; blood proteins, glucose oxidase] Belki v meditsine i narodnom khoziaistve, belki krovi, glukozooksidaza. Respublikanskiy mezhvedomstvennyi sbornik, seria "Molekuliarnaia biologiya." Kiev, Naukovadumka, 1965. 247 p.
- SITENKO, A. G. [Electromagnetic fluctuations in a plasma] Elektromagnitnye fluktuatsii v plazme. Khar'kov, Izd-vo Khar'kovskogo univ., 1965. 184 p.
- SMIRNOV, N. V., and I. V. DUNIN-BARKOVSKI. [Course in probability theory and mathematical statistics for technical applications] Kurs teorii veroiatnostei i matematicheskoi statistiki dlia tekhnicheskikh prilozhenii. Izd. 2., ispr. i dop. Moskva, Nauka, 1965. 511 p.
- SOLOV, A. A., I. M. LOSKUTOV, and I. M. TERNOV. [Quantum mechanics] Kvantovaya mekhanika. Izd. 2., ispr. i dop. Moskva, Prosvoshchente, 1965. 638 p.
- SOLOV, I. N. [Fundamentals of hydrogasdynamics] Osnovy gidrogazodinamiki [Aroslav'] Vysshaya shkola, 1964. 86 p. (MICROFILM)
- STANTSO, V. V. [Inorganic polymers] Neorganicheskie polimery. Moskva, Izd-vo "Znaniye" 1965. 30 p. (Novoe v zhizni, nauke, tekhnike, XI Seriya Khimiia, no. 5)
- STARODUBTSEV, S. V., and A. M. ROMANOV. [Interaction of gamma radiation with matter] Vzaimodel'stvie gamma-izlucheniia s veshchestvom. Tashkent, Izd-vo "Nauka" UzSSR. Pt. 1. [Sources of gamma radiation and elementary processes of the interaction of gamma rays with matter] Istochniki gamma-izlucheniia i elementarnye protsessy vzaimodel'stviia gamma-luchei s veshchestvom. 1964. 248 p.
- TATEVSKII, V. M. [Quantum mechanics and the theory of molecular structure] Kvantovaya mekhanika i teoriia stroeniia molekul. [Moskva] Izd-vo Mosk. univ., 1965. 163 p.
- TELESNIN, R. V. [Molecular physics] Molekuliarnaya fizika. Moskva, Vysshaya shkola, 1965. 297 p.
- TUZO, A. P., ed. [Problems and exercises in ordinary differential equations, a textbook] Zadachi i uprazhneniia po obyknovennym differentsial'nym uravneniiam, uchelnice posobie. Leningrad, Leningr. in-t tekhn. mekhaniki i optiki, 1963. 45 p. (MICROFILM)
- USHAKOV, V. B., and others. [The MN-14 nonlinear electronic analog computer] Elektronnaia nelineinaya analogovaya vychislitel'naya mashina MN-14. Moskva, Mashinostroyeniye, 1965. 232 p.
- VAKAR, B. A. [Guide to the plants of the Urals] Opredelitel' rastenii Urala. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1961. 402 p. (MICROFILM)
- VSESOUZNOE BOTANICHESKOE OBSHCHESTVO. Voronezhskoe otdeleniye. [Studies of the Voronezh section of the All-Union Botanical Society] Nauchnye zapiski Voronezhskogo otdeleniia Vsesouznoogo botanicheskogo obshchestva. Voronezh, Izd-vo Voronezhskogo univ., 1964. 106 p.
- ZARISKI, OSCAR, and P. SAMUEL. [Commutative algebra. Translated from the English] Kommutativnaya algebra. Pod red. A. I. Usakova. Moskva, Izd-vo inostr. lit-ry, 1963. 2 v. (PS)
- ZHUROV, V. M. [Climate of the Buryat A. S. S. R.] Klimat Buriatskoi ASSR. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1960. 180 p. (MICROFILM)
- ZISMAN, G. A., and O. M. TODES. [Course in general physics] Kurs obshchei fiziki. Moskva, Nauka. Vol. 2. [Electricity and magnetism] Elektrichestvo i magnetizm. Izd. 2. 1965. 366 p.

## 14. MEDICINE

- ADENSKII, A. D. [Therapists' guide] Sputnik terapevta. Minsk, Izd-vo "Belarus", 1964. 694 p. (DNLM)
- [ADRENAL HORMONES IN SURGERY] Gormony nadpocheknikov v khirurgii. [By] G. M. Solov'ev i dr. Moskva, Meditsina, 1965. 261 p. (DNLM)
- AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut terapii. [Hypertension and atherosclerosis of the coronary arteries; methodological instructions on diagnosis, treatment and prevention] Gipertonicheskaya bolezn' i ateroskleroz koronarnykh arterii; metodicheskie ukazaniia po diagnostike, lecheniiu i profilaktike. Pod red. A. L. Miasnikova, i E. I. Chazova. Moskva, 1964. 176 p. (DNLM)
- AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Fundamental'naya biblioteka. [M. A. Mir-Kasimov, 1933-1953, a bibliography] M. A. Mir-Kasimov, 1933-1953, bibliografiia Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 49 p. (Detali nauki i kul'tury Azerbaidzhana)
- AKULOVA, R. F. [Chronic disorders of blood circulation and nutrition of the extremities; clinical aspects and treatment] Khronicheskie narusheniia krovoobrascheniia i trofiki konechnostei; klinika i lechenie. Moskva, Meditsina, 1965. 394 p. (DNLM)
- ALEKSEEVA, V. I. [Chalcosis of the eye] Khalkoz glaza. Moskva, Meditsina, 1965. 113 p. (DNLM)
- BABICH, B. K. [Fundamentals of compound functional treatment in osteotuberculosis] Osnovy kompleksnoi funktsional'noi terapii pri kostno-sustavnom tuberkuloze. Kiev, Zdorov'ia, 1965. 196 p. (DNLM)
- BEKLEMISHEV, N. D. [Chronic and latent bacillosis] Khronicheskii i latentnyi brutsel'oz. Alma-Ata, Nauka, 1965. 330 p. (DNLM)
- DURAGO, L. I. [Standard exercises in therapeutic and prophylactic callisthenics for the middle aged and the elderly] Tipovye uprazhneniia tekhnicheskoi gimnastiki dlia lits srednego i pozhnogo vozrasta. Izd. 2., dop. Moskva, Meditsina, 1965. 22 p. Illus. chart (insert) (DNLM)
- CHEBOTAREV, E. C. [Compound treatment of acute radiation sickness] Kompleksnoe lechenie ostrogo luchevoi bolezni. Kiev, In-t fiziologii, 1965. 204 p. (DNLM)
- CHUBINSKII, S. M. [Bioclimatology] Bioklimatologiya. Moskva, Meditsina, 1965. 187 p. (DNLM)
- DVIZHKOV, P. P. [Pneumokoniosis; etiology, pathological anatomy and pathogenesis] Pnevmonkonioz, etiologiya, patologicheskaya anatomiya, patogenез. Moskva, Meditsina, 1965. 422 p. (DNLM)
- ESSEL', A. E. [Indirect hemagglutination reaction] Reaktsiia nepriamoi gomagglutinatsii. [Leningrad] Meditsina, 1965. 50 p. (DNLM)
- FAINSHTEIN, F. E. [Aplastic and hypoplastic anemias] Aplasticheskie i gipoplasticheskie anemii. Moskva, Meditsina, 1965. 288 p. (DNLM)
- FROLOV, I. P. [Hygiene of intellectual work] Gigiena umstvennogo truda. Moskva, Meditsina, 1965. 150 p. (Nauchno-politicheskaya meditsinskaya literatura)
- GABOVICH, R. D. [Hygiene] Gigiena. Izd. 2., ispr. i soki. Moskva, Meditsina, 1965. 319 p.
- GILIAREVSKII, S. A. [Propedentics in internal diseases] Propedentika vnutri onnikh boleznei. 2. izd., ispr. i dop. Moskva, Meditsina, 1965. 346 p. (DNLM)
- GINZBURG, V. Z., and M. M. MEDUNYTSIA. [Restored symphonies (Professor O. S. Kolomitschenko); an essay] Povremeni symfonii (professor O. S. Kolomitschenko), narys. Kyiv, Derzhilivdyad Ukrainy, 1963. 103 p. (Ludy i problemy seymichky) (DNLM)
- GORODSKAYA KONFERENTSIYA MOLODYKH NAUCHNYKH RABOTNIKOV. Meditsinskaya sektiia. Ist. Saratov. [Transactions of the First City Conference of Young Scientists, Medical Section] Trudy. Saratov, Saratovskii meditsinskii in-t, 1963. 295 p. (DNLM)
- IUDIN, S. S. [Studies on stomach surgery] Eliudy zheludochnoi khirurgii. 2. izd. Moskva, Meditsina, 1965. 268 p. (DNLM)



IVANOV, S. M. [Exercise therapy in bronchial asthma in children] *Lecheniia fizikultura pri bronkhialnoi astme u detei*. Moskva, Meditsina, 1965. 102 p. (Biblioteka prakticheskogo vracha) (DNLM)

KAKHIANA, M. S. [Hypothalamic syndromes] *Gipotalamicheskie sindromy*. Kishinev, Kartia moldoveniaske, 1965. 215 p. (DNLM)

KASSIL', G. N. [Pain and anesthesia] *Boi i obezboivanie*. 2. izd., ispr. i dop. Moskva, Nauka, 1965. 316 p. (Nauchno-populiarnaya seriya) (DNLM)

KHODOS, KH. G. [Nervous diseases, a manual for physicians] *Nervnye bolezni, rukovodstvo dlia vrachei*. Moskva, Meditsina, 1965. 677 p. (DNLM)

KISHINEV, GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Reports of the 22d Regular Scientific Session of the Kishinev Medical Institute on the results of scientific research work in 1963, dedicated to the 40th anniversary of the establishment of the Moldavian S.S.R. and founding of the Communist Party of Moldavia] *Doklady 22-ochernednoi po itogam nauchno-issledovatel'skoi raboty za 1963 god; posvashchatsia 40-letiiu obrazovaniia Moldavskoi SSR i sozdaniia Kommunisticheskoi partii Moldavii*. Kishinev, Kartia moldoveniaske, 1964. 251 p.

MALININA, O. V. Leonid Ivanovich Volnov. [Leningrad] *Meditsina*, 1965. 49 p.

MAZMANIAN, TS. G. [Prescription manual on urogenital diseases, an aid for the practicing physician] *Resepturnyi spravochnik po mochepolovym bolezniam; v pomoshch' prakticheskomu vrachu*. Tashkent, Meditsina, 1964. 150 p. (DNLM)

MIKHAELIAN, A. L. [Clinical pathophysiological changes in stenosis of the left atrioventricular opening of the heart and its surgical correction] *Kliniko-patofiziologicheskie izmeneniia pri suzhenii levogo atrioventrikul'nogo otverstia serdtsa i khirurgicheskaya korektsiia ego*. Erevan, Aistan, 1964. 265 p. (DNLM)

MOL'KOV, IU. N. [Immunological aspects of the prevention, diagnosis and treatment of cancer] *Immunologicheskie aspekty profilaktiki, diagnostiki i terapii raka*. Moskva, Meditsina, 1965. 243 p. (DNLM)

MOROZOVA, O. A. [How to help the sick; concise data on various diseases and accidents, care of the sick and their treatment by folk, household, sympathetic and inexpensive medicines] *Kak pomoch' bol'nym i cheloveku; kratkie svedeniia o razlichnykh bolezniah i neschastnykh sluchaiakh, ukhode za bol'nymi i lechenii ikh narodnymi, domashnimi, simpaticheskimi i deshevymi aptechnymi sredstvami*. Izd. 2., ispr. i dop. Paramount, Calif., Health for All Books [1964?] xlii, 299 p. (ICarts)

MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSEDOVATELSKII INSTITUT PSIKHIATRIL [Problems of pediatric psychoneurology] *Problemy psikhonevrologii detskogo vozrasta*. Moskva, 1964. 530 p. (DNLM)

MOSCOW, VSESOIUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT MEDITSINSKOGO INSTRUMENTARIIA I OBOURODOVANIIA. [Abstracts of reports of the Scientific Jubilee Session Dedicated to the 25th Anniversary of the Institute] *Nauchnaia jubileinaya sessiia, posvashchennaya 25-letiiu Instituta; tezisy dokladov*. Moskva, 1962. 65 p. (DNLM MICROFILM)

MOSCOW, VTOROY MOSKOVSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Current problems of clinical and experimental surgery] *Aktualnye voprosy klinicheskoi i eksperimentalnoi khirurgii*. Pod red. G. E. Ostroverkhova. Moskva, Meditsina, 1963. 435 p. (DNLM)

NAUCHNO-ISSLEDOVATELSKII INSTITUT PSIKHIATRIL. [Problems of pediatric psychoneurology] *Problemy psikhonevrologii detskogo vozrasta*. Moskva, 1964. 530 p. (DNLM MICROFILM)

NODIA, M. IU. [Health resort riches of Georgia] *Kurortnye bogatstva Gruzii*. Tbilisi, Gos. izd-vo "Sachota Sakartvelo", 1963. 275 p.

PISLEGIN, A. K. [Effect of mineral waters on the human body] *Vliianie mineral'nykh vod na organizm cheloveka*. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1964. 63 p. (DNLM MICROFILM)

PORTNOV, A. A., and D. D. FEDOTOV. [Psychiatry] *Psikhiatriia*. Izd. 2., perer. i dop. Moskva, Meditsina, 1965. 277 p. (DNLM)

RABINOVICH, M. G. [Cataract] *Katarakta*. Moskva, Meditsina, 1965. 170 p. (Biblioteka prakticheskogo vracha) (DNLM)

RAPIS, IU. L. [Fluorography as a method for the early detection of pulmonary tuberculosis] *Fluorografiia - metod rannego vyavleniia tuberkuleza legkikh*. Moskva, Meditsina, 1965. 17 p. (DNLM)

REMBEZ, I. N., and T. P. KLINSKAIA. [Ligation of the main arteries of the small pelvis for the purpose of stopping a hemorrhage; abstracts of lectures] *Perevliazka magistral'nykh arterii malogo taza s tsel'iu ostanovki krovotoceniia, konspekty lekttsii*. Uzhgorod, Uzhgorodskii gos. univ., 1964. 134 p. (DNLM)

REMBEZ, I. N., and V. S. BERMAN. [Prevention and treatment of obstetric hemorrhages, abstracts of lectures] *Profilaktika i lechenie pri akusheriskikh krovotoceniakh; konspekty lekttsii*. Uzhgorod, Gos. univ., 1964. 126 p. (DNLM)

ROSTOTSKII, I. B. [Organization of special types of medical services for the population of the U. S. S. R.] *Organizatsiia spetsializirovannykh vidov meditsinskogo obsluzhivaniia naseleniia SSSR*. Moskva, Tsentr. in-t usovershenstvovaniia vrachei. Lecture 1. [Organization of the control of tuberculosis] *Organizatsiia bor'by s tuberkulezom*, 1961. 27 p. Lecture 2. [Organization of the control of dermatovenereological diseases] *Organizatsiia bor'by s kozhno-venericheskimi bolezniami*, 1960. 21 p. Lecture 4. [Basic problems of the organization of neuropsychiatric aid] *Osnovnye voprosy organizatsii nervno-psikhiatricheskoi pomoshchi*, 1960. 17 p. Lecture 5. [Medical control of athletes in the U. S. S. R. and the basic problems of the organization of exercise therapy] *Vrachebnyi kontrol' za fizikurnymi voprosy i osnovnye voprosy organizatsii lechennoi fizikurny*, 1960. 11 p. (DNLM MICROFILMS)

ROZENTSVEIG, P. E. [Technology of drugs] *Tekhnologiya lekarstvennykh form*. Izd. 4., perer. i dop. [Leningrad] Meditsina, 1965. 425 p. (DNLM)

[SCIENTIFIC MEDICAL LITERATURE OF THE U. S. S. R., index of books and articles for the first half of 1962] *Nauchnaia meditsinskaya literatura SSSR; ukazatel' knig i statei za pervoe polugodie 1962 g.* Sost. Bibliograficheskii otdelom GTsNMB. Pod red. A. I. Moroz. Moskva, Meditsina, 1965. 894 p.

SEREBRIKOVA, Z. N. [Organization of psychiatric care and nursing and prospects for its development in the U. S. S. R.] *Organizatsiia psikhiatricheskogo patronazha i perspektivy ego razvitiia v SSSR*. Moskva, Meditsina, 1965. 96 p. (Biblioteka vracha-organizatora) (DNLM)

SESSIA, POSVIAHCHENNAIA 20-LETIIU AKADEMII MEDITSINSKIKH NAUK SSSR I 40-LETIIU INSTITUTA PO ITOGAM NAUCHNYKH ISSEDOVANIY V OBLASTI GIGIENY TRUDA I PROFESSIONAL'NOI PATALOGII. 1964. [Materials of the Session Dedicated to the 20th Anniversary of the Academy of Medical Sciences of the U. S. S. R. and the 40th Anniversary of the Institute, on the Results of Scientific Studies in the Field of Industrial Hygiene and Occupational Pathology] *Materialy; sbornik dokladov*. Pod red. K. P. Molokanova i dr. Moskva, In-t gigeny truda i professional'nykh zabolevani, 1964. 151 p. (DNLM MICROFILM)

SHOSTAKOVSKII, M. F., and others. [Cumulative polymers] *Tselchnye polimery*. Moskva, Izd-vo "Znanie", 1965. 43 p. (Novoe v zhizni, nauke, tekhnike VII Seriya: Biologiya i meditsina, no. 0)

SKRIPNICHENKO, D. F. [Surgical treatment of bronchiectasis] *Khirurgicheskoe lechenie bronkhiektaticheskoi bolezni*. Kishinev, Gos. izd-vo Moldavii, 1958. 211 p. (DNLM)

TEIJA, A. V. [Peptic ulcer in childhood and adolescence; surgical treatment and late results] *Izveneniia bolezni detskogo i iunosheeskogo vozrasta, khirurgicheskoe lechenie i otloennye rezul'taty*. Tbilisi, Sachota Sakartvelo, 1964. 81 p. (Opyi sovetskoi meditsiny) (DNLM)

TSETLIN, V. M., and V. A. VIL'KOVICH. [Physico-chemical factors of disinfection] *Fiziko-khimicheskie faktory dezinfektsii*. Moskva, Meditsina, 1965. 235 p. (DNLM)

TSUTSUNAVA, N. N. [Medicinal plants of Georgia] *Lekarnyennye rasteniia Gruzii*. Tbilisi, Gos. izd-vo "Sachota Sakartvelo", 1960. 260 p. [In Georgian and Russian] (DNLM MICROFILM)

VSESOIUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT EKSPERIMENTAL'NOI ENDOKRINOLOGII. [Abstracts of reports of the scientific conference of young scientists] *Nauchnaia konferentsiia molodykh uchenykh, tezisy dokladov (6-8 marta 1962 g.)*. Moskva, 1962. 29 p. (DNLM MICROFILM)

ZBARZH, I. A. M. [Fractures of the mandible and their treatment] *Perelomy verkhnei chelusti i ikh lechenie*. [Leningrad] Meditsina, 1965. 126 p. (Biblioteka prakticheskogo vracha) (DNLM)

## 15. AGRICULTURE

AKADEMIA NAUK SSSR. Karelskii filial. [Fertility of soils in Karelia] *Plodotol'e pochv Karelii*. Moskva, Nauka, 1965. 182 p. (DNAL)

AKADEMIA NAUK SSSR. Pochvennyi institut im. V. V. Dokuchaeva. [Agrochemical characteristics of soils in the U. S. S. R.; the Transcaucasian Republics] *Agrokhimicheskaya kharakteristika pochv SSSR; respubliki Zakavkaz'ia*. Moskva, Nauka, 1965. 310 p.

AKADEMIA NAUK USSR, Kiev. Institut hidrobiologii. [Effect of the quality of spawning on the offspring of fish] *Vliianie kachestva prozvoditel' na potomstvo u ryb*. Pod red. V. I. Vladimirova. Kiev, Naukova dumka, 1965. 141 p.

ALEKSEEV, A. V. [Methods of conducting theoretical and laboratory work on the fundamentals of stock-breeding and feed production] *Metodika provedeniia teoreticheskikh i laboratorno-prakticheskikh zaniati po osnovam zhivotnovodstva i kormoproduktivnogo*. Moskva, Vysshaya shkola, 1964. 97 p. (DNAL)

BELIAEV, M. G. [Prophylaxis and treatment of non-infectious diseases of young agricultural animals] *Profilaktika i lechenie nezaraznykh zabolevani molodnaka sel'skokhoziaistvennykh zhivotnykh*. Moskva, Rossel'khozizdat, 1964. 231 p. (DNAL)

BELOV, E. M., and V. T. KRUGLOV. [Protecting farm animals and plants against radioactive dust; safety manual for collective farm chairmen, state farm directors, field crew foremen, and farm managers] *Zashchita sel'skokhoziaistvennykh zhivotnykh i rastenii ot radioaktivnoi pyli; pamiatka dlia predsedatelei kolkozov, direktorov sovkhovov, brigadirov i upravlialushchikh fermami*. Moskva, Kolos, 1964. 10 p. (DNAL)

BERSON, G. Z. [Hydroponics in the Far North] *Gidropionika na Krainem Severe*. [Murmansk] Murmanskoe knizhnoe izd-vo, 1964. 126 p. (DNAL)

- BREZHNEV, D. D. [Tomatoes] Tomaty. Ezd. 2., dop. 1 perer. Leningrad, Kolos, 1964. 318 p. (DNAL)
- BURKALEV, A. M., and V. S. LODIANOV. [Veterinary manual on drugs] Veterinarnyi spravochnik lekarstvennykh veshchestv. Moskva, Kolos, 1965. 285 p. (DNAL)
- BUROV, I. N. [Machinery for harvesting and processing of grain crops, theory, construction, and calculations] Mashiny dlia uborki i obliabotki zernovykh kul'tur, teoriia, konstruktstsia, raschet. Moskva, Mashinostroyeniye, 1964. 511 p. (DNAL)
- CHENKIN, A. F., and I. S. MAKAROVA. [Manual on poisonous chemicals and equipment used in the control of pests, plant diseases and weeds] Spravochnik po iadokhimikatu i apparatury, primeniamym v bor'be s vreditel'nykh, bolezniami rastenii i sorlakami. 2. dop. izd. Moskva, Rossel'khozizdat, 1965. 271 p. (DNAL)
- DEREVITSKII, N. F. [Problems of the methods of field experiments] Voprosy metodiki pol'ovogo opyta. Kishinev, Shtiintsa, 1960. 141 p. (DNAL)
- [ENGINEERS OF LARGE CROPS, sketches] Inzhnery vrozhatu; narysy. [Donetsk] Donetsk'ke knyzhkovye vyit-vo, 1963. 52 p. (DNAL MICROFILM)
- ENIN, T. K. [Best grape varieties recommended for variety testing and propagation in Moldavia] Luchshie sorta vinogradu, rekomendovanye dlia sortospylanii i razmnozheniia v Moldavii. Kishinev, Shtiintsa, 1960. 58 p. (DNAL)
- [FISHERIES] Promyslovoe dolo, [Murmansk] Murmanskoe knizhnoe izd-vo, 1964. 463 p.
- GAVERILITSA, I. [On practices in growing sugar beets according to the new technology] Nash opyt vozdel'vaniia sakhara noi avetky po novoi tekhnologii. Kishinev, Kartia moldoveniansko, 1965. 34 p. (DNAL)
- GERASIMOVA, Z. A., and T. A. MAKAROVA. [Growing berry bearing shrubs in Moldavia] Kultúra arushitlor fruktifer'nykh Moldavia, Kishinev, Kartia moldoveniansko, 1964. 98 p. [In Moldavian]
- GESHILE, E. E. [Fundamentals of phytopathological evaluation in breeding] Osnovy fitopatologicheskoi otsenki v selektsii. Moskva, Kolos, 1964. 199 p. (CU)
- GESHILIN, A. M. [Hydraulic calculations of fish farm structures; a textbook] Gidravlicheskoe raschetny sooruzhenii rybovodnykh khoziststv; uchebnoe posobie. Kaliningrad [Kaliningradskoe knizhnoe izd-vo], 1964. 42 p. (MICROFILM)
- GILAROV, M. S. [Zoological method in soil diagnostics] Zoologicheskii metod diagnostiki pochv. Moskva, Nauka, 1965. 273 p.
- GINAIO, F. T. [Some results of scientific research work of the Kursk Regional Experimental and Land Improvement Station] Nekotorye itogi nauchnoissledovatel'skoi raboty Kurskoi zonal'noi opytnoissledovatel'skoi stantsii. Kursk, Kurskoe knizhnoe izd-vo, 1960. 73 p. (DNAL MICROFILM)
- GUBENKO, I. U. T. [Modern methods of scouting for fish] Sovremennyye metody razvedki ryby. Petropavlovsk Kamchatskii, Knizhnaia red. "Kamchatskoe pravdy," 1962. 62 p. (Kamchatskaia promrazvedka) (MICROFILM)
- IATSENKO, V. A. [Machine milking of cows] Mashinnoe doenie korov. Izd. 2., perer. i dop. Moskva, Kolos, 1964. 245 p. (DNAL)
- IUROVSKII, I. A., and others. [Agricultural mapping of the area of a collective and state farm agricultural administration (an administrative region)] Sel'skokhoziaistvennoe kartografirovaniie territorii proizvodstvennogo kollektivno-sovkhonogo upravleniia (Administrativnogo raiona). Pod red. I. A. Iurovskogo. Moskva, Nedra, 1965. 46 p.
- IVANHUTA, V. M. [Valuation mensuration of forests] Izmerenie i tseniatsiia lesa. Moskva, Lesnaia promyshlennost', 1964. 147 p. (DNAL)
- IVANOV, S. M. [Causes of the desiccation of stone fruit trees] Prichiny usykhaniia derev'ev kostochkovykh plodovykh porod. Pod red. V. A. Rybina. Kishinev, Shtiintsa, 1961. 224 p. (DNAL)
- KANIVETS, I. I. [Soil conditions and the growth of perennial orchard plants; pear, prune, apricot, sweet cherry, sour cherry, walnut, and grapevine] Pochvanye uslovia i rost mnogoletnikh sadovykh nasazhdenii, grusha, silva, aprikos, chereshnia, vishnia, grietki orekh i vinogradnaia lora. Kishinev, Kartia moldoveniansko, 1960. 542 p. (DNAL)
- KATALYMOV, M. V. [Trace elements and trace element fertilizers] Mikroelementy i mikroudobreniia. Moskva, Khimtia, 1965. 330 p. (DNAL)
- KISKIN, P. KH. [Guide for determining the basic grape varieties of the U.S.S.R.] Kluch dlia opredeleniia osnovnykh sortov vinograda SSSR. Kishinev, Shtiintsa, 1961. 236 p. (DNAL)
- KISKIN, P. KH. [Guide to pests and diseases of grapes, polytomous tables and punched cards] Opredelitel' vrediteli boleznei vinograda, politomicheskie i perfokarty. Kishinev, Kartia moldoveniansko, 1964. 207 p. (DNAL)
- KRIVOLUTSKAIA, G. O. [Stem-mining pest in dark-green conifer forests of Western Siberia damaged by the tent caterpillar *Pentodonta sibirica*] Skrytostvolovye vrediteli v temnokhvoynykh lesakh Zapadnoi Sibiri, povrezhhdennykh sibirskim shekhopradom. Moskva, Nauka, 1965. 127 p. (DNAL)
- KUSHNARENKO, M. D. [Water balance and drought resistance of fruit plants] Vodnyi rezhim i zasukhoustoi-chivost' plodovykh rastenii. Kishinev, Shtiintsa, 1962. 48 p. (DNAL)
- LAZAREVSKII, M. A., and A. M. ALIEV. [Grape varieties in the Northern Caucasus, manual on testing and mass breeding] Sorta vinograda na Severnom Kavkaze; posobie po probatam i massovoi selektsii. [Roslov-na-Donu] Roslovskoe knizhnoe izd-vo, 1965. 241 p. (DNAL)
- LESICHENKO, O. N. [Meteorology in agriculture] Agrometeorologiya v sel'skokhoziaistvennom proizvodstve, Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1964. 21 p. (DNAL MICROFILM)
- [MECHANIZATION OF THE PLACEMENT OF MINERAL FERTILIZERS] Mekhanizatsiia vneseniia mineral'nykh udobrenii. Moskva, Kolos, 1965. 173 p. (DNAL)
- MERKUR'eva, E. K. [Biometry in stockbreeding] Biometriia v zhivotnovodstve. Moskva, Kolos, 1964. 310 p. (DNAL)
- MOSCOW, NAUCHNYI INSTITUT PO UDOBRENIAM I INSEKTOFUNGITSIDAM. [Potassium fertilizers] Kaliinye udobreniia. Pod red. K. P. Magnitskogo, D. V. Khar'kova. Moskva, Kolos, 1964. 206 p. (DNAL)
- PASHKIV'SKYI, A. I. [On the Veselyi Maidan Farm] Na Veselomu Maidani. Kyiv, Molod', 1964. 49 p. (DNAL)
- PROKOPEV, M. N. [Forest plantations on concentrated cuttings] Lesnye kul'tury na konsentrirovannykh vyrubkakh. Moskva, Lesnaia promyshlennost', 1964. 144 p. (DNAL)
- RODIONOV, V. V., and I. A. SHABARSHOV. [Multistory beehives and methods for beekeeping] Mnogokorpusnyy uloi i metody pchelovozhdeniia. Izd. 2., perer. i dop. Moskva, Kolos, 1965. 157 p. (DNAL)
- RYBITSKII, N. A. [Currant and gooseberry] Smorodina i kryzhovnik. [Leningrad] Lenzdat, 1965. 145 p. (DNAL)
- SAVIN, L. E., and others. [Work practices of the Verkhovskiy Logging Camp] Opyt raboty Verkhovskogo lespromkha. Moskva, Tsentral'no-Chernozemnoe gos. knizhnoe izd-vo, 1964. 28 p. (Lesoeokpluntatsiia) (DNAL MICROFILM)
- SHAPOVALOV, P. F. [Sound of the forests] Govor lesov. Voronezh, Tsentral'no-Chernozemnoe gos. knizhnoe izd-vo, 1964. 140 p. illus.
- SHIRSKAIA, M. N. [Siberian pine plantations in the mountain forests of Siberia] Kul'tura kedra sibirskogo v gornykh lesakh Sibiri. Moskva, Lesnaia promyshlennost', 1964. 98 p. (DNAL)
- SHMYGLEVSKII, N. A. [Operation of hydraulic systems of agricultural machinery] Eksploatatsiia gidrosistem sel'skokhoziaistvennykh mashin. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1961. 60 p. (DNAL MICROFILM)
- [SOILS OF THE KUZNETSK BASIN, A MAP AS THE FACE OF A FIELD, LABORATORY OF FERTILITY, VITAMINS OF THE EARTH, PROTECTORS OF CROPS, ENRICHMENT OF FEED] Pochvy Kuzbassa, karta—litso polia, laboratoriiia plodorodiia, vitaminy zemli, zashchitniki posevov, obogascheniie korma. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1964. 92 p. (Khimtia - kluch k izobiliiu) (DNAL)
- TESLENKO, I. I., and V. F. KITASHOVA. ["Carrousel-type" milking systems, from practices in the use of milking conveyors] Doli'nye ustanovki "Karusel'" iz opyta primeneniia konvelernykh doli'nykh ustanovok. Moskva, Biro tekhn. informatsii, 1964. 95 p. (Vserossiiskoe ob'edinenie Soveta ministrov RSFSR "Rossel'khoztekhnik." Peredovoi opyt i predlozheniia. III Seria: Mekhanizatsiia trudomolikh protsessov v sel'skom khoziaistve i zhivotnovodstve) (DNAL MICROFILM)
- THURIN, I. V. [Organic matter of soil and its role in fertility] Organicheskie veshchestva pochvy i ego rol' v plodorodii. Moskva, Nauka, 1965. 318 p. (DNAL)
- TIUTIUNNIKOV, A. I. [Storehouses of feeds, on increasing the protein content of feeds] Kladnye kormov, o povyshenii soderzhaniiia belkov v kormakh. Moskva, Izd-vo "Znanie," 1965. 29 p. (Novoe v zhizni, nauke, tekhnike. V Seria: Sel'skoe khoziaistvo, no. 10)
- TSUPAK, V. G. [Plant growing] Rastenievodstvo. Leningrad, Kolos, 1964. 348 p. (Uchebniki i uchebnye posobia dlia sel'skokhoziaistvennykh institutov) (DNAL)
- VITT, V. O., ed. [The raising and use of horses] Konevodstvo i konevspol'zovanie. Moskva, Kolos, 1964. 382 p. (Uchebniki i uchebnye posobia dlia vysshiikh sel'skokhoziaistvennykh uchebnykh zavedenii) (NN)
- VSESOIUZNOE SOVESHCHANIIE, POSVIASHCHENNOE VOPROSAM EROZII POCHV, BOR'BY S SELEVYMI POTOKAMI I MERAM BOR'BY S NIMI, Baku. [Controlling soil erosion and torrential streams; reports] Bor'ba s eroziiei pochvy i selevyimi potokami, [doklady] Baku, Pochvenno-eroziionnaia stantsiia Akad. nauk Azerbaidzhanskoi SSR, 1961. 184 p. (DNAL MICROFILM)
- ZHEREBTSOV, P. I. [Physiological bases for the efficient feeding of ruminants. Translated from the English, German and French] Fiziologicheskie osnovy ratsional'nogo kormleniia zhivachnykh zhivotnykh. Moskva, Kolos, 1964. 1 v. (DNAL)

## 16. TECHNOLOGY

- AFANAS'EV, N. A., and V. T. ZOLOTUKHIN. [Fire prevention in agricultural production] Pozharnaiia profilaktika v sel'skokhoziaistvennom proizvodstve. Moskva, Stroiizdat, 1965. 135 p.

- AFANAS'YEV, L. V., and I. E. KARPESHKO. [Electro-photographic recording of images] *Elektrofotograficheskaya zapis' izobrazhenii* Moskva, Sviat', 1965. 46 p. (Lektsii po tekhnike svyazi)
- AGOSHKOV, M. I., and others. [Establishing standards for labor expenditures depending on the width of the stopping area in mining thin seams, report at the conference on problems of finding efficient methods of mining lode deposits held in Irkutsk, June 4-6, 1963] *Normirovanie trudovykh zatrat v zavisimosti ot shiriny oshlinochnogo prostranstva pri razrabotke tonkikh zhil*, doklad na soveshchaniu po voprosam izyskaniia effektivnykh sposobov razrabotki zhil'nykh mestorozhdenii v g. Irkutsk (4-6 iunia 1963 g.) Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1963. 15 p. [MICROFILM]
- AKADEMIIA NAUK SSSR, Institut nauchnoi informatsii. [Electrical machinery, d.c. machines, asynchronous motors, 1961-1963] *Elektricheskie mashiny, mashiny postoiannogo toka, asinkhronnye elektrodvigateli*, 1961-1963, Moskva, 1964. 263 p. (Itogi nauki i tekhniki)
- AKADEMIIA NAUK SSSR, Institut nauchnoi informatsii. [Internal overvoltages in high-voltage a.c. networks, 1961-1963] *Vnutrennie perenapravleniia v elektricheskikh setkakh vysokogo napriazheniia peremennogo toka*, 1961-1963, Moskva, 1964. 241 p. (Itogi nauki i tekhniki)
- AKADEMIIA NAUK SSSR, Institut nauchnoi informatsii. [Transformers, electric and magnetic fields of the windings, 1961-1963] *Transformatory - elektricheskie i magnitnye polia obmotok*, 1961-1963, Moskva, 1964. 67 p. (Itogi nauki i tekhniki)
- AKADEMIIA NAUK SSSR, Sibirskoe otdelnie, Institut merzlotovedeniia. [Thermal and mechanical processes in mining minerals, mining operations in a mass of frozen ground] *Teplovye i mekhanicheskie protsessy pri razrabotke poleznykh iskopaemykh: gornye raboty v massivakh merzlykh porod*, Moskva, Nauka, 1963. 266 p.
- AKADEMIIA NAUK SSSR, Sibirskoe otdelnie, Sibirskii nauchno-issledovatel'skii institut energetiki. [Methods of controlling ice at hydroelectric power stations in Siberia] *Metody bor'by s ledovymi zatrudneniami na gidrostantsiakh Sibiri*, Novosibirsk, Red. izd. otdel Sibirskogo otd-nia AN SSSR, 1965. 95 p.
- AKADEMIIA NAUK BSSR, Minsk. Institut teplo- i massobmena. [Heat and mass exchange in dispersion systems] *Teplo- i massobmen v dispersnykh sistemakh*, Minsk, Nauka i tekhnika, 1965. 176 p.
- ALT'PEROVICH, A. I. [Ways of improving the use of tower cranes in construction] *Puti uluchsheniia ispol'zovaniia bashennykh kranov v stroitel'stve*, Moskva, Stroizdat, 1964. 52 p.
- ANTOSHIN, L. T., and V. A. GULIN. [Work practice of motor-vehicle service station no. 4 of the Administration for Construction of the Moscow Subway, and of the Automotive Transportation Department of the Administration for Construction of the Leningrad Subway in the maintenance and repair of motor vehicles] *Opyt raboty avtobazy no. 4 Mosmetrostroia i avtotransportnoi kontory Lenmetrostroia po tekhnicheskoiu obsluzhivaniu i remontu avtomobilei*, Moskva, Orgtransportroi, 1964. 31 p. (Tekhnicheskaya informatsiia) [MICROFILM]
- ARCHANGEL, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANICHESKOI OBRABOTKI DREVESINY. [Annotated manual on the scientific research work of the Central Scientific Research Institute of Woodworking for 1963] *Annotirovannyi spravochnik nauchno-issledovatel'skikh rabot TsNIMOD za 1963 god*, Arkhangel'sk, 1964. 51 p. [MICROFILM]
- ARISTOV, G. G., and V. M. NIKULIN. [Skilled worker in the refractories industry, a handbook] *Master ognepurnogo proizvodstva, spravochnik*, Moskva, Metallurgiya, 1965. 319 p.
- ARTEM'EV, D. E., N. N. TIKHODEEV, and S. S. SHUR. [Statistical principles of the selection of the insulation of power transmission lines with potentials of a high order, switching surges and electrical characteristics of insulation] *Statisticheskie osnovy vybora izolatsii lini elektropereidachi vysshih klassov napriazheniia; kommutatsionnye perenapravleniia i elektricheskie kharakteristiki izolatsii*, Pod red. N. N. Shchedrina, Moskva, Energiia, 1965. 376 p.
- ARTEM'YEV, E. V. [Measurement of the frequency of the electrical oscillations of highly stable generators] *Izmerenie chastoty elektricheskikh kolebaniil vysokostabil'nykh generatorov*, Moskva, Izd-vo standartov, 1965. 55 p.
- AVAKOV, A. A. [An aid for the machine-tool operator, problems of high-speed metal cutting] *V pomoshch' stanochniku, voprosy vysokoproduktivnogo rezaniia metalliv*, [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 108 p. [MICROFILM]
- VERBUKH, A. I., and A. S. SOPOVA. [What can be obtained from gas] *Chto poluchaiut iz gaza*, Leningrad, Nedra, 1965. 175 p.
- VERICHEV, E. P., V. I. AKSINEVICH, and M. N. RASKIN. [Reconditioning plunger pairs, practice of the Zaraysk Machinery Plant] *Vosstanovlenie plunzhernykh par, iz opyta raboty Zarayskogo mekhanicheskogo zavoda*, Moskva, Biuro tekhn. informatsii, 1961. 31 p. (Peredovoi opyt i priedozhneniia. Seriya 1: Remont mashinno-takornogo parka)
- DABKOV, V. F. [Blending highways with the landscape] *Sochetanie avtomobil'nykh dorog s landschaftom*, [Moskva] Vysshaya shkola, 1964. 65 p. [MICROFILM]
- DABKOV, V. F. [Securing traffic safety in designing, constructing and reconstructing highways] *Obezpechenie bezopasnosti dvizheniia pri proektirovani, stroitel'stve i rekonstruktsii avtomobil'nykh dorog*, Moskva, Vysshaya shkola, 1964. 28 p. [MICROFILM]
- BAIANOV, M. A. [Practices in the use of grab-type tractor loaders in the lumbering industry] *Opyt ispol'zovaniia chelustnykh traktornykh pogruzhchikov v lesnoi promyshlennosti*, Moskva, Lesnaia promyshlennost', 1965. 56 p. (Nastoiachivo vnedriat' peredovoi opyt v proizvodstve)
- BAKIROV, M. E., and M. A. TALIBI. [Selenium photocells] *Selen fotoelementleri*, Baki, Azerbaidzhan SSR Elmlet Akademiya Neshi iijaty, 1964. 90 p. [In Azerbaidzhan]
- BALANDIN, G. F. [Crystal structure formation in castings; pure metals and single-phase alloys] *Formirovanie kristallicheskogo sostoiia otlivok; chistyie metal'y i odnofaznye splavy*, Moskva, Mashinostroenie, 1965. 254 p.
- BARS, E. A., and S. S. KOGAN. [Organic matter in the underground waters of oil-bearing provinces, methods of analysis and interpretation] *Organicheskoe veshchestvo podzemnykh vod neftegazonnykh oblastei; metodiki analiza i interpretatsii*, Moskva, Nedra, 1965. 90 p.
- BASHKIRSKOE RESPUBLIKANSKOE DOBROVOL'NOE POZHARNOE OBSHCHESTVO. [Our experiences] *Nash opyt*, Ufa, Izd-vo "Bashkortostan", 1964. 37 p. [MICROFILM]
- BAZHENOV, G. L. [Masonry and reinforced masonry elements for industrial, public, and residential buildings; a manual for students in correspondence and night schools majoring in "Industrial, Public, and Residential Construction"] *Kamennye i armokamennye konstruktivnye promyshlennykh i grazhdanskikh zdani; uchebnoe posobie dlia studentov znochnogo i vechernego fakul'tetov spetsial'nosti "Promyshlennoe i grazhdanskoe stroitel'stvo"*, Gor'kii, Gor'kovskii inzhenerno-stroitel', in-t, 1961. 301 p. [MICROFILM]
- BEKHTEREV, V. D. [Design of the refrigerating equipment of cars and of the air-conditioning systems; abstract of the special course in "Cars and car operation and maintenance"] *Rascheti kholodil'nogo oborudovaniia vagonov i priborov vozdukhokonditsionirovaniia; konpekt po spetsial'nosti "Vagony i vagonnoe khoziaistvo"*, Uchebnoe posobie, Moskva, Mosk. in-t inzhenerov zhel-dor. transp., 1964. 63 p. [MICROFILM]
- BEKHTEREVA, I. A., and E. P. UKHIOVA. [Screws and fastenings, methodological manual for the first and second year students of all specialties] *Rez'by i krepazhnye izdeliia, uchebno-metodicheskoe posobie dlia studentov I i II kursov vsekh spetsial'nostei*, Gor'kii, Gor'kovskii in-t inzhenerov vodiogo transp., 1964. 18 p. [MICROFILM]
- BELAIA, N. M., and A. G. PROKHORENKO. [Cableways for lumber transportation] *Kanatnye lesnoi anspornye ustanovki*, Moskva, Lesnaia promyshlennost', 1964. 298 p.
- BELEN'KII, D. M. [Main conveyors] *Magistral'nye konveyery*, Moskva, Nedra, 1965. 220 p.
- BELEN'KII, S. I. [Increasing the durability of bearing parts used in the industrial equipment of light industry, a manual] *Povyshenie dolgovечnosti podshipnikovkh detal' oborudovaniia legkoi promyshlennosti, uchebnoe posobie*, Moskva, Legkaiia Industriia, 1964. 61 p. [MICROFILM]
- BELEN'KII, S. I. [Increasing the durability of gear wheels used in the industrial equipment of enterprises of light industry, a manual] *Povyshenie dolgovечnosti zubchatykh koles oborudovaniia predpriatii legkoi promyshlennosti, uchebnoe posobie*, Moskva, Legkaiia Industriia, 1964. 35 p. [MICROFILM]
- BELOUSSKII TEKHNOLOGICHESKII INSTITUT. [Problems of the mechanization of lumbering operations and lumber transportation] *Voprosy mekhanizatsii lesozagotovok i transporta lesa, sbornik nauchnykh rabot*, Minsk, Vysshaya shkola, 1964. 119 p.
- BELOUSOV, V. M., and S. P. MATSENKO. [Radai technology; survey of foreign patents] *Radiookustonnaya tekhnika; obzor inostrannykh patentov*, Moskva, Tsent. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovani, 1963. 33 p. [MICROFILM]
- BERNSHTEIN, M. KII. [Manufacture of artificial leather in rolls on continuous production lines; a textbook] *Proizvodstvo rolnoi iskusstvennoi kozhi na potochnykh liniakh, uchebnoe posobie*, Pod red. A. D. Zalochkovskogo, Moskva, Legkaiia Industriia, 1964. 42 p. [MICROFILM]
- BIKHENTAEV, A. G. [Housing construction in rural areas of the Tatar A. S. S. R.] *Zhitishchnoe stroitel'stvo v sel'skoi mestnosti Tatarskoi ASSR. Kizan', Tatarskoe knizhnoe izd-vo*, 1961. 159 p. [MICROFILM]
- BIRKAN, L. N., and others, eds. [Automation and mechanization of electroplating processes] *Avtomatizatsiia i mekhanizatsiia gal'vanicheskikh protsessov*, Moskva, Mashinostroenie, 1965. 346 p.
- BOGATSKII, D. P. [Theoretical principles and the technology of the chemical nickel plating process, manual for correspondence-course students of engineering] *Teoreticheskie osnovy i tekhnologiya protsessga khimicheskogo nikelirovaniia; uchebnoe posobie dlia studentov-zhuchnikov inzhenernogo fakul'teta*, Moskva, Vses. sel'khoz. in-t znochnogo obrazovaniia, 1964. 34 p. [MICROFILM]
- BOGDANOV, P. F. [Controlling the quality of construction; practices of the Main Construction Administration of the city of Leningrad] *Kontrol' kachestva stroitel'stva; opyt Glavlingradstroia*, Leningrad, 1965. 45 p. (Leningradskii dom nauchno-tekhnicheskoi prepigandy. Proizvodstvennyi opyt. Seriya: Stroitel'noe proizvodstvo)
- BOGOMOLOV, A. G., and I. N. BRATSLAVSKII. [Handbook on optional equipment] *Spravochnik po neslandardnomu oborudovaniu*, Moskva, Mashinostroenie, 1965. 338 p.
- BOLOTIN, V. V. [Statistical methods in structural mechanics] *Statisticheskie metody v stroitel'noi mekhanike*, Izd. 2., perer. i dop. Moskva, Stroizdat, 1965. 278 p.
- BONDARENKO, V. A. [Equipment for sugar-beet production; sugar-beet processing section] *Oborudovaniie sveklosakharnogo proizvodstva; avklopererabatyvalushchee otdelnie*, Obzor. Moskva, Tsent. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1961. 111 p. [MICROFILM]
- BONDIN, I. N. [Welder's handbook] *Spravochnik svarshchika*, Pod red. N. O. Okorbloma, Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1965. 400 p.

- BONDIN, O. A. [Collection of programmed problems for a course in "Theory of automatic control"] *Sholnik programirovannykh zadach po kursu "Teoriya avtomaticheskogo upravleniya"*. Moskva, Mosk. energ. in-t. Pt. 1. Neugli, A. V., ed. [Linear continuous automatic control systems: Equations, principal characteristics, stability] *Lineinye neprezyvnyye sistemy avtomaticheskogo regulirovaniya: Uravneniya, osnovnyye kharakteristiki, ustoychivost'*. 1964. 183 p. [MICROFILM]
- BORISOV, L. V., and others. [Use of precast reinforced concrete in the construction of automobile roads for hauling lumber, materials for a conference] *Primenenie sbornogo zhelezobetona na avtomobilnykh dorog dlya vyvozki lesa, materialy k soveshchaniyu*. Moskva, TSentr. nauchno-issl. in-t mekhanizatsii i energetiki lesnoi promyshl., 1964. 71 p. [MICROFILM]
- BORKOV, N. V. [Welding processes] *Svarochnoye delo*. Pod red. E. N. Maslova. Moskva, Mosk. inzhenerno-fizicheskii in-t, 1961. 88 p. [MICROFILM]
- BORODIN, I. U. [Operator of electric cranes] *Mashinist elektricheskogo kрана*. Moskva, Metallurgiya, 1965. 275 p.
- BORZOV, V. P., and K. I. TAGANOV. [Using photoelectric devices in spectrometry analysis] *Ispol'zovanie fotoelektricheskikh priborov pri spektral'nom analize*. Leningrad, 1965. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt Seriya Melody i sredstva kontrolya kachestva i nadezhnosti mashin i priborov)
- BRAIT, P. I. [Surveying methods for measuring deformations of foundations and structures] *Geodezicheskiye metody izmereniya deformatsii osnovaniy i sooruzheniy*. Moskva, Nedra, 1965. 297 p.
- BRATCHENKO, B. F., ed. [Mining of coal deposits in Kazakhstan] *Razrabotka ugol'nykh mestozhdeniy Kazakhstana*. Moskva, Nedra, 1965. 282 p.
- BRANSKII, L. N. [Matching of wave-guide channels] *Soglasovanie volnovodnykh traktorov*. Moskva, Izd-vo standartov, 1965. 58 p.
- BRINZA, V. N., and A. P. KOSHIKA. [Improving the process of rolling mills for the cold rolling of sheet steel] *Povyshenie proizvoditel'nosti stanov kholodnoi protiatki tonkolistovoi stali*. Moskva, Metallurgiya, 1965. 138 p.
- BRONSHTEIN, D. G. [Microbiology and microbiological control in sugar manufacture] *Mikrobiologiya i mikrobiologicheskii kontrol' v sakharom proizvodstve*. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 47 p. [MICROFILM]
- BRUEV, S. N. [Preserving and storing of plums] *Konservirovaniye i khraneniye sliv*. Moskva, Ekonomika, 1965. 98 p.
- BUDOV, A. F. [Laboratory work on the electric power supply of radio systems] *Laboratornyye raboty po elektropitaniiu radioustroystv*. Kiev, Tekhnika, 1965. 165 p.
- DUGAENKO, I. F. [Crystallization of the mass of the last product] *Kristallizatsiya uvela poslednego produkta*. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 25 p. [MICROFILM]
- BUMSHTEIN, S. I., and A. I. NATAROV. [Manual for the driver of the second class, construction, maintenance and operation of motor vehicles] *Uchebnoe posobie shofera vtorogo klassa; ustroystvo, tekhnicheskoe obsluzhivaniye i ekspluatatsiya avtomobilei*. Moskva, DOSAAF, 1965. 495 p.
- BUNIN, V. A. [Elements of microwave devices; survey of foreign patents] *Elementy priborov svyaznykh voln chastykh; obzor inostrannykh patentov*. Moskva, TSentr. nauchno-issl. in-t teoreticheskoi informatsii i tekhniko-ekon. issledovaniy, 1964. 32 p. [MICROFILM]
- BUROV, A. I., E. I. SHTERENBERG, and V. I. KANEV-SKII. [Automation of sintering plants in nonferrous metallurgy] *Avtomatizatsiya aglomeratsionnykh tekhnov svetnoi metallurgii*. [Moskva] Metallurgiya, 1965. 167 p.
- BUROV, V. S., L. T. TATARKIN, and V. A. DERGACHEV. [Lapping with diamond pastes. Using diamonds in honing, practice of the "Tich" Abrasives Plant] *Dovodka almaznymi pastami. Primeneniye almazov pri kholonirovani, opyt abrazivnogo zavoda "Tich"*. Leningrad, 1965. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya Mekhanicheskaya obrabotka metallov)
- BYKOV, V. P. [Modern concepts of the changes in meat and fish characteristics during freezing, a review of the literature] *Sovremennyye predstavleniya ob izmenenii svoystv miasa, ryby pri kholodil'noi obrabotke; obzor literatury*. Moskva, Vses. nauchno-issl. in-t morskogo rybnogo khoz. i okeanografiy, 1964. 55 p. [MICROFILM]
- BYSTRITSKII, K. I., A. Z. M. DUBROVSKII, and B. N. REBRUK. [Construction and operation of a.c. locomotives] *Ustroystvo i rabota elektrozozov peimennogo toka*. Moskva, Transport, 1965. 446 p. diagrams. (Insert)
- BYTSKO, V. A., and V. P. FEDOROV. [The TU-4 diesel locomotive with hydraulic transmission] *Teplotoz TU-4 s gidromekhanicheskoi peredachei*. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevno-obrabatyvatsheii promyshl. i lesnomu khoz., 1964. 19 p. (Lesokaplanatsiya) [MICROFILM]
- [CALCULATING THE EFFICIENCY OF MINING CUTTER-LOADERS, methods of calculation] *Raschet proizvoditel'nosti gornykh kombainov, metodika rascheta*. Moskva, Nedra, 1965. 68 p.
- CHERKINSKII, S. N. [Hygiene problems of water supply of a rural populated place] *Gigienicheskiye voprosy vodopostavleniya sel'skikh naselennykh mest*. 2. izd., dop. i ispr. Moskva, Meditsina, 1965. 314 p. (Biblioteka sanitarnogo vracha)
- CHUDINOV, B. S., F. T. TURIKOV, and P. E. ZUBAN'. [Larch wood and its processing] *Drevesina listvenitsy i ee obrabotka*. Moskva, Lesnaya promyshlennost', 1965. 143 p.
- CHUEV, A. V., V. N. CHERETISOV, and I. N. SOKHOR. [Work practice of the Leningrad Economic Region Council of Innovators] *Opyt raboty sovetov novatorov Leningradskogo ekonomicheskogo raiona*. Leningrad, 1965. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya Organizatsiya propagandy nauchno-tekhnicheskogo i proizvodstvennogo opyta)
- DAKINO, V. P. [Combined passenger stations and railroad terminals] *Ob'edinnennyye passazhirskie stantsii i vokzaly*. Kiev, Budivelnik, 1965. 77 p.
- DANIELIAN, A. M., ed. [Machine heat resistant steels and alloys and high melting metals] *Obrabotka rezantem zharoprochnykh stalei, splavov i tugoplavkiy metallov*. [By] A. M. Danielian i dr. Moskva, Mashinostroyeniye, 1965. 300 p.
- DANILOV, P. P. [Safety manual for pipe layers] *Pamiatka po tekhnike bezopasnosti dlya mashinistov-trubokladchikov*. Moskva, Stroiizdat, 1965. 28 p. (Tekhnika bezopasnosti v stroitel'stve)
- DAVYDOV, V. V. [Use of the new International Unit System in industry] *Primeneniye novoi Mezhdunarodnoi sistemy edinits v tekhnike*. Moskva, Transport, 1964. 32 p. [MICROFILM]
- DMITRIYEV, L. N. [Group method for manufacturing printed circuits and the resolving capability of diagrammatic silk nets] *Grupповый метод izgotovleniya pechatnykh skhem i razreshayushchaya sposobnost' shemograficheskikh setok*. Leningrad, 1965. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvenno-tekhnicheskii opyt. Seriya Tekhnologiya proizvodstva radioelektronnoi apparatury)
- DODROKHOTOV, D. A., ed. [Measurements in electronics; a manual] *Izmereniya v elektronike; spravochnik*. Moskva, Energiya, 1965. 2 v. Vols. 1-2. 1965. 2 v.
- DOBYNIN, V. M. [Physical properties of oil and gas reservoir rocks in deep wells] *Fizicheskiye svoystva neftegazovykh kolektorov v glubokikh skvazhinakh*. Moskva, Nedra, 1965. 101 p.
- DODONOV, B. P. [Hoisting and conveying devices, manual for students specializing in mechanics and technology] *Pod'emno-transportnye ustroystva, uchebnoe posobie dlya mekhanicheskikh i tekhnologicheskikh spetsial'nostei*. Pod red. V. P. Zybina. Moskva, Vses. zaochnyi in-t tekstil'noi i legkoj promyshl., 1964. 169 p.
- DOVZHUK, V. G., and others. [Manufacturing keramzit concrete products with an admixture of microfoaming agents, practices of Plant No 21 for Large Wall Blocks of the Main Administration for Building Materials of the City of Moscow] *Proizvodstvo keramzitobetonnnykh izdelii s dobavkoi mikropenobrazovatelei, opyt zavoda krupnykh stenovykh blokov no. 21 Glavmospromstroimaterialov*. Moskva, Stroiizdat, 1964. 36 p. [MICROFILM]
- DZHAMALOV, I. M., and D. M. MEKHITIEV. [Development of equipment and technology in oil and gas production in Azerbaijan] *Razvitiye tekhniki i tekhnologii dobychi nefli i gaza v Azerbaidzhane*. Baku, Azer-neshr, 1961. 45 p. (Vystavka dostizheniy narodnogo khozaystva SSSR) [MICROFILM]
- EDIGER, N. I. [Earth dams of the Kanas Hydroelectric Development] *Zemlianye plitiny Kanasskogo gidro-elektroizdat*. Moskva, Energiya, 1964. 64 p. (Materialy k tekhnicheskoiu otchetu o stroitel'stve Kanasskoi gidroelektrostantsii)
- EFIMOV, V. A. [Operation and repair of hydrolysis plant equipment] *Ekspluatatsiya i remont oborudovaniya gidroliznykh zavodov*. Moskva, Lesnaya promyshlennost', 1965. 104 p.
- EIDENZON, M. A. [Construction of furnaces and electrolytic cells for the production of magnesium] *Montazh pechei i elektrolizeroz v proizvodstve magniya*. Moskva, Metallurgiya, 1965. 60 p.
- EIGENDROT, V. M. [Use of electron-beam tubes in multiple-point control] *Primeneniye elektronno-luchevykh trubok dlya mnogotochechnogo kontrolya*. Moskva, Energiya, 1965. 94 p. (Biblioteka po avtomatike, no. 135)
- ELANCHIK, G. M., and E. A. PROKHODTSEVA. [Stationary mine equipment: Calculations of mine hoisting equipment] *Shakhtnye statsonarnyye ustanovki. Raschety shakhtnykh pod'emnykh ustanovok*. Moskva, Mosk. in-t radioelektroniki i gornoj elektromekhaniki, 1964. 201 p. [MICROFILM]
- [ELECTRIC MEASURING DEVICES] *Elektroizmeritel'nye pribory*. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 432 p. (SSSR, Gosudarstvennyye standarty)
- EREMENKO, T. E. [Bracing oil and gas wells] *Krepleniye nefliannykh i gazovykh skvazhin*. Moskva, Nedra, 1965. 213 p.
- EREMENKO, V. D. [Storage and processing of onion and garlic] *Khraneniye i pererabotka luka i chesnoka*. Moskva, Ekonomika, 1965. 110 p.
- ERMOLAEV, A. N., V. V. SHCHERBATENKO, and I. N. RASPUT'KO. [Effect of dynamic loads on bread quality] *Vliyanie dinamicheskikh nagruzok na kachestvo khleba*. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 45 p. [MICROFILM]
- EROKHIN, V. M., and G. I. LANIN. [D-521 bulldozer with hydraulic control; the Bryansk Plant for Road Machinery and Building Equipment] *Buldozer D-521 s gidravlicheskim upravleniem; Bryanskii zavod dorozhnykh i stroitel'nykh mashin*. Moskva, Stroiizdat, 1964. 21 p. [MICROFILM]
- ETINBERG, I. E. [Theory and design of the blading of adjustable-blade hydraulic turbines] *Teoriya i raschet protechnoi chasti povortopolastnykh gidroturbin*. Moskva, Mashinostroyeniye, 1965. 349 p.
- FAIZULAEV, B. N. [Transistorized stages in the transient mode of operation] *Poluprovodnikovyye kaskady v perekhodnom rezhime*. Moskva, Svyaz', 1965. 182 p.

- FASTOVSKII, I. A. [Radio interference measuring apparatus] Apparatura dlia izmereniia radiopomekh informatsionnyy sbornik. Moskva, Svyaz', 1965. 56 p. (Tekhnika svyazi za rubezhom)
- FELDSTEIN, A. L., and L. R. JAVICH. [Synthesis of four-terminal and eight-terminal microwave networks] Sintez chetyrekhpolusnikov i vos'mipolusnikov na SVCh. Moskva, Izd-vo "Svyaz'", 1965. 352 p.
- FINGER, A. A. [Electronically excited regulated industrial electric drives] Reguliruemyye tonny elektropriivod dlia promyshlennogo oborudovaniia. Moskva, TsNPI, 1964. 34 p. (Obzor otechestvennykh i zarubezhnykh izobretenii)
- [FOR THE SONG FESTIVAL] Dainy sventei Vilnius, Leidykla "Mintis", 1964. 71 p. [In Lithuanian]
- FRENKIN, M. M. [Special purpose refrigerating machinery and air-conditioning plants and systems for their regulation] Khloldil'nye mashiny i ustanovki konditsionirovaniia vozdukhha spetsial'nogo naznacheniia i sistemy ikh regulirovaniia. Moskva, Tsentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekonomicheskikh issledovaniia, 1964. 26 p. (Obzor otechestvennykh i zarubezhnykh izobretenii)
- [FUNDAMENTALS OF NETWORK THEORY] Osnovy teorii tsepi [By] G. V. Zveke i dr. Izd. 1, ispr. Moskva, Energiia, 1965. 444 p.
- GENIN, S. A. [Methods for the production of dehydrated foods requiring no cooking] Sposoby proizvodstva sushennykh produktov, ne trebuushchikh varki. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshli, 1964. 53 p. [MICROFILM]
- GENIN, S. A. [New types of dehydrated potato products, dehydrated mashed potatoes] Noveye vidy sushennykh produktov iz kartofelia; sukhoe kartofel'noe piure. Moskva, Pishchevaia promyshlennost', 1963. 133 p.
- GENKIN, A. E. [Equipment of chemical plants] Oborudovaniie khimicheskikh zavodov. Moskva, Vysshaya shkola, 1965. 327 p.
- [GEOPHYSICAL METHODS OF PROSPECTING] Razveduchnaia geofizika. [By] D. S. Mikhov i dr. Tomsk, Izd-vo Tomskogo univ., 1961. 340 p.
- GEZENTSVEI, L. B. [Asphalt concrete of activated mineral materials] Asfal'tovyy beton iz aktivizirovannykh mineral'nykh materialov. Pod red. S. V. Shestopérova. Moskva, Vysshaya shkola, 1964. 39 p. [MICROFILM]
- GLADYREVSKAIA, S. A., and others. [Two-layer steel in chemical machine building] Dvukhsloynnye stali v khimicheskoi mashinostroeni. Moskva, Mashinostroenie, 1965. 151 p.
- GLEDOVICH, G. V. [Generation of sinusoidal and relaxation oscillations in transistor circuits, manual on a course in "Principles of radio engineering"] Generirovaniie sinusoidal'nykh i relaksatsionnykh kolebaniia v skhemakh na poluprovodnikovyykh triodakh, uchebnoe posobie po kursu "Osnovy radiotekhniki." Gor'kii, Gor'kovskii politekhn. in-t, 1961. 48 p. [MICROFILM]
- GLOZMAN, I. A. [Piezoceramics in electronic technology] P'ezokeramicheskie materialy v elektronnoi tekhnike. Moskva, Energiia, 1965. 191 p.
- GLUSHKOV, G. S., and V. A. SENDEEV. [Course in the strength of materials] Kurs soprotivleniia materialov. Moskva, Vysshaya shkola, 1965. 707 p.
- GOLDSSTEIN, S. M., and G. B. PEKELIS. [Use of peat in electric power engineering] Ispol'zovanie torfa v elektropenergetike. Minsk, Nauka i tekhnika, 1964. 106 p.
- GONCHAROV, B. V. [Machinery for sinking piles in the construction of foundations for apartment houses and industrial buildings, based on materials of the Bashkir Research Institute for Building] Mashiny dlia pogrusheniia sval pri ustroistve fundamentov zhylykh promyshlennykh zdaniil, po materialam Bashkirskogo nauchno-issledovatel'skogo instituta po stroitel'stvu. (BashNIItzpl). Moskva, Stroiizdat, 1964. 32 p.
- GONCHAROV, S. I. [Electromechanical lifting jack and nut setter] Elektromekhanicheskiy pod'emnik-galkovert. [Lipetsk.] Lipetskoe knizhnoe izd-vo, 1963. 11 p. (Svetaem pereliat')
- GORBATOV, V. M., and I. A. LAGOSHA. [Handbook on the equipment of meat industry enterprises] Spravochnik po oborudovaniu predpriatii miasnoi promyshlennosti. Moskva, Pishchevaia promyshlennost', Vol. 2, 1965. 546 p.
- GOR'KOVA, I. M. [Structural and deformation characteristics of sedimentary rocks of various degrees of compaction and lithification] Strukturalnye i deformatsionnye osobennosti osadochnykh porod razlichnoi stepeni uplotneniia i litifikatsii. Moskva, Nauka, 1965. 126 p.
- GORNOPOL'SKII, A. I. [Loading machinery and mining cutter-loaders] Pogruzochnye mashiny i prokhodchieskie kombiny. Moskva, Tsentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1964. 39 p. (Obzor inostrannykh patentov)
- GORSHKOV, V. S., and V. M. KARPUSHCHENKO. [From generation to generation] Ot pokoleniia k pokoleniiu. [Leningrad, Lenizdat, 1964] 125 p. (NJP)
- GOZENPUT, M. D. [Electric butt welding of band saws] Svykovaia elektrosvarka lentochnykh pil. Moskva, Lesnaia promyshlennost', 1965. 32 p.
- [GRADE AND HIGH-GRADE STEEL] rolled sections and shapes and calibrated steel] Stal'kachestvennaya i vysokokachestvennaya, sotovoi i fasonnii pikiat i katirovannaya stal'. Izd. ofitsial'noe. Moskva, [Scales of micro- and macrostructures, supplement to...] Shkaly mikro- i makrostrukturnykh (GOST 4543-61, GOST 801-60, GOST 1081-64, GOST 5950-63, GOST 5952-63); prilozheniie k... [1964?] 80 p.
- GRUSH, D. B., and others. [Such people conquer; leading workers in the construction of the Nazarov State Regional Electric Power Plant] Takie pobeditel! peredovikakh stroitel'stva Nazarovskoi GRES. [Krasnodarsk] Krasnodarskoe knizhnoe izd-vo, 1961. 89 p. [MICROFILM]
- GUNST, A. A. [Construction of overhead and cable communication lines; manual] Montazh vozdukhnykh i kabel'nykh lini svyazi, uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t svyazi, Pt. 1, 1962. 139 p. [MICROFILM]
- [HANDBOOK ON INDUSTRIAL SAFETY AND SAFETY TECHNIQUES] Spravochnik po okhrane truda i tekhnike bezopasnosti. Moskva, Metallurgiya, 1965. 442 p.
- [HARD CERAMIC METAL ALLOYS AND METAL POWDERS] Splavy tverdykh metallokeramicheskie i poroshki metallicheskie. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 190 p. (SSSR. Gosudarstvennye standarty)
- HERASYMOV, S. M. [Transistor generators] Transistorniye generatory. Kyiv, Tekhnika, 1965. 146 p.
- IABKO, I. A. M. [Present-day methods for pore formation in the manufacture of shoe-type artificial leather] Sovremennyye sposoby poroobrazovaniia v proizvodstve obuvnykh tipov iskusstvennoi kozhi IK, uchebnoe posobie. Moskva, Legkaya industriia, 1964. 41 p. [MICROFILM]
- IABLONSKII, G. S. [Safety manual for operators (operators' assistants) of stone-cutting machinery during the underground work on stones] Pamiatka po tekhnike bezopasnosti dlia mashinistov (pomoshchnikov mashinistov) kannereznykh mashin pri podzemnykh razrabotkakh kamnia. Moskva, Stroiizdat, 1965. 13 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- IAKOVLEV, G. M. [Some problems of the reliability and durability of machinery] Nekotorye voprosy nadezhnosti i dolgozhechnosti mashin. Minsk, in-t nauchno-tekhn. informatsii i propagandy, 1963. 46 p. [MICROFILM]
- IAMSHCHIKOV, V. S. [Ultrasonic and sonic methods of investigating rocks] Ul'trazvukovyye i zvukovyye metody issledovaniia gornykh porod. Pod nauchn. red. V. V. Rzhavskogo. Moskva, Minsk. in-t radioelektroniki i gornoj elektromekhaniki, 1964. 70 p. [MICROFILM]
- IATSENKO, A. E., and I. A. STRONGIN. [Erecting exterior wall elements of industrial buildings] Montazh stenovykh ogtzhdalushchikh konstruktii promyshlennykh zdaniil. Moskva, Stroiizdat, 1965. 295 p. (Seriya prikladnykh posobie po povysheniui masterstvay promyshlennogo stroitel'stva)
- IATSEVICH, V. A. [Experience in the mechanization of the handling of ready production in Moscow Milling Combines No. 3. and No. 4] Opyt mekhanizatsii raboty gotovoi produkcii na moskovskikh mel'kombinatakh no. 3 i 4. Pod red. N. A. Govorova. Moskva, Tsentr. pravleniie nauchno-tekhn. ob-va mukomol'noi i krupianoi promyshli i elevatornogo khoz., 1964. 33 p. [MICROFILM]
- IL'IN, V. A. [Pulse devices with bridge circuit components] Impul'snye ustroistva s mostovymi elementami. Moskva, Energiia, 1965. 70 p. (Biblioteka po avtomatike, no. 130)
- [INDEX OF STANDARD SPECIFICATIONS FOR THE MACHINERY INDUSTRY FOR 1965; in effect as of January 1, 1965] Ukazatel' normal'ei mashinostroeniia 1965 (po sostoiianiiu na 1 yanvaria 1965 g.). Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 374 p.
- [INDEX OF STATE STANDARDS FOR 1965, in effect as of January 1, 1965] Ukazatel' gosudarstvennykh standartov 1965 (po sostoiianiiu na 1 yanvaria 1965 g.). Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 607 p.
- INSTITUT BELGIPTORF. [Mechanization of basic and auxiliary peat winning operations in White Russia] Mekhanizatsiia osnovnykh i vspomogatel'nykh rabot po dobyche torfa v Belorussii. Minsk, 1964. 91 p.
- IOANNISIAN, A. I. [Surveying, design and planning of railroads] Izsyanika i proektirovaniie zheleznykh dorog. 3., perer. izd. Moskva, Transport, 1965. 411 p.
- IVANOV, VSESOIUNZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT OKHRAANY TRUDA. [Norms and systems for the lighting of knit goods factories] Normy i sistemy osveshcheniia trikotazhnykh fabrik. Ivanovo, 1964. 81 p. (V pomoshch' inzhenerno-tekhnicheskimi rabotnikam i profaktivu po okhrane truda) [MICROFILM]
- IVANSKII, O. B., and others. [Sealing joints of large-panel buildings] Germetizatsiia stykov krupnopanel'nykh zdaniil. Moskva, Stroiizdat, 1964. 32 p. [MICROFILM]
- KALASHNIKOV, A. M., and I. A. STEPUK. [Principles of radio engineering and radar, oscillatory systems] Osnovy radiotekhniki i radiolokatsii, kolebatel'nye sistemy. Izd. 3., perer. Moskva, Voenizdat, 1965. 382 p.
- KALIAGIN, V. A. [Brief instructions for planning the heating and ventilation in production shops of glass factories; scientific and technological information on questions of industrial safety] Kratkie ukazaniia po proektirovaniui otopeniia i ventilatsii v vyrabotochnykh tekhnicheskikh zavodov; nauchno-tekhnicheskaya informatsiia po voprosam okhrany truda. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 31 p. [MICROFILM]
- KAMNEV, V. N. [Installation and maintenance of second ary systems] Montazh i obsluzhivanie vtorichnykh ustroistv. Izd. 2., perer. Moskva, Vysshaya shkola, 1965. 540 p.
- KANTUKA, N. S., and A. A. NOVATSKII. [Manual for operators of tower cranes] Pamiatka mashinista bashennogo krana. Izd. 2., ispr. i dop. Kiev, Budvol'nyk, 1965. 160 p.
- KARTUZHANSKII, A. I. [Physical foundations of the photographic process on silver halide salts] Fizicheskie osnovy fotograficheskogo protsesssa na galogeniidserebrnykh soliakh. Moskva, Iskusstvo, 1965. 84 p. (Massovaya fotograficheskaya biblioteka)

- KESSENIKH, R. M.** [Methods for laboratory testing of electric insulating materials] Metody laboratornykh ispytaniy elektroiizolyatsionnykh materialov. Moskva, Vysshaya shkola, 1984. 210 p. [MICROFILM]
- KHEIFITS, S. I. A.** [Organization of work in industrial safety] Organizatsiya rabot po okhrane i uchebnoye posobie. Moskva, Mosk. in-t radioelektroniki i gornoj elektromekhaniki, 1984. 95 p. [MICROFILM]
- KHESIN, M. A.** [Takeoff and landing devices for airplanes, survey of foreign patents] Vzletno-posadochnye ustroystva dlya samoletov; obzor inostrannykh patentov. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovaniy, 1983 35 p. [MICROFILM]
- KHITRIK, S. I., ed.** [Manufacture and operation of continuously self-annealing electrodes and anodes] Proizvodstvo i ekspluatatsiya nepreryvnykh samoobzhigayushchikhsia elektrodov i anodov. [By] M. I. Gasik i dr. [Moskva] Metallurgiya, 1985. 254 p.
- KHOLIN, A. T.** [Automatic and remote control in radio stations] Avtomatika i teleupravlenie na radiostantsiyakh. Moskva, Izd-vo "Svuz", 1985. 308 p.
- KHOLOPOV, I. V.** [Technology of ultrasonic welding] Tekhnologiya ul'trazvukovoi svarki. Leningrad, 1988. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Elektrofizicheskie i elektrokhimicheskie metody obrabotki metallov)
- KHOLUJANOV, G. F.** [Low-voltage electroluminescent indicators for transistor circuits] Nizkovol'tnyye elektroluminestsentye indikiatory dlya tranzistornykh skhem. Leningrad, 1985. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt. Seriya: Pribory i elementy avtomatiki)
- KHUDONOGOV, V. M.** [Raft floating in the Angara-Yenisey Basin] Plovovoi splyv v Angaro-Yeniseiskom basseine. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvushchei promyshli i lesnomu khoz., 1984. 24 p. (Lesoeksploatatsiya) [MICROFILM]
- KHUDYSHEV, A. F.** [Diffusion bonding in vacuum of parts and weldments of electric vacuum equipment] Diffuzionnaya svarka v vakuumе detalей i uzlov elektro-vakuumnykh priborov. Leningrad, 1985. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Svarka, rezka, palka i naplavka metallov)
- KLEBANOV, M. K.** [Design of cam-gear drives for the working elements of automatic machine tools] Proektdirovaniye pilydov i rabochykh organov avtomaticheskikh stankov s kulachkovymi mekhanizmami. [Kulbyshov] Kulbyshovskoe knizhnoe izd-vo, 1981. 50 p. [MICROFILM]
- KLETTMAN, S. L., and L. I. A. LAGUNOV.** [Maintenance and repair of motor vehicles and trailers in automotive transportation units] Tekhnicheskoe obsluzhivaniye i remont avtomobilov i priisepov v avtokhozhaistvakh. Khar'kov, Izd-vo Khar'kovskogo univ., 1985. 420 p.
- KOCHEROV, N. P., and T. M. GRISHINA.** [Economic efficiency of the use of polyolefins and polystyrene plastics in the manufacture of machinery] Ekonomicheskaya effektivnost' primeneniya poliolefinov i polistiroil'nykh plastikov v mashinostroenii. Leningrad, 1985. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Ekonomika, organizatsiya i planirovaniye proizvodstva)
- KOKASHINSKII, G. R.** [Conching, tempering and filtration of chocolate mass] Konshirovaniye, temperirovaniye i fil'tratsiya shokoladnykh mass. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshli, 1984. 35 p. [MICROFILM]
- KOKHTEV, A. A.** [Fundamentals of standardization and normalization] Osnovy standartizatsii i normalizatsii. Moskva, Vysshaya shkola, 1985. 196 p.
- KOKORIN, O. L. A.** [Evaporation cooling systems for air conditioning] Isparitel'noe okhlazhdeniye dlya islei konditsionirovaniya vozdukh. Moskva, Stroizdat, 1965. 158 p.
- KOLOTYLO, D. M.** [Agricultural production wastes as valuable raw materials for the chemical industry] Vikhody sil'skokhozopodars'kogo vyzhnyatsya - tsenna syrovynia dlya khimichnoi promyslovosti. Kyiv, Tovarysivo dlya poshyrennia polli. i nauk. znani' URSR, 1981. 34 p.
- KOLOUSEK, VLADIMIR.** [Structural dynamics. Translated from the Czech] Dinamika stroitel'nykh konstruktii. Soavtoy: I. Babushka i dr. pod red. A. A. Petropavlovskogo. Moskva, Stroizdat, 1985. 631 p.
- KONFERENTSIYA PO AVTOMATICHESKOMU KONTROLIU I METODAM ELEKTRICHESKIKH IZMERENII.** 3d. Novosibirsk, 1981. [Automatic control and electric measurement techniques; transactions] Avtomaticheskii kontrol' i metody elektricheskikh izmerenii, trudy. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niya AN SSSR. Vol. 2. [Digital measuring devices. Electrical measurements of nonelectrical values. Systems of automatic control and regulation in industry] TSifrovyye izmeritel'nye pribory. Elektricheskie izmereniya neelektricheskikh velichin. Ustroystva avtomaticheskogo kontrolya i upravleniya v promyshlennosti. 1984. 248 p.
- KONFERENTSIYA PO AVTOMATICHESKOMU KONTROLIU I METODAM ELEKTRICHESKIKH IZMERENII.** 4th. Novosibirsk, 1984. [Automatic control and electric measurement techniques; transactions] Avtomaticheskii kontrol' i metody elektricheskikh izmerenii; trudy. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niya AN SSSR. Vol. 2. [Theory of instrument data systems. Systems of automatic control. Electrical measurements of nonelectrical values] Teoriya izmeritel'nykh informatsionnykh sistem. Sistemy avtomaticheskogo kontrolya. Elektricheskie izmereniya neelektricheskikh velichin. 1984. 227 p.
- KONFERENTSIYA PO POLIMERNYM MATERIALAM NA OSNOVE KHIMICHESKIKH PRODUKTOV KOKSOVANIYA UGLEI.** 1984. [Abstracts of Reports of the Conference on Polymeric Materials Based on Coal Chemicals held October 20-23, 1984] Tezisy dokladov. Dnepropetrovsk [1984] 91 p.
- KOSHIKIN, V. G., and others.** [Polyvinyl chloride linoleum on a felt base used for heat and sound insulation; practices of the Mytishchi Combine for Synthetic Building Materials and Products] Polyvinilkhloridnyi linoleum na teplo- i zvukoiizolyatsionnoi volochnoi osnove; opyt Mytishchinskogo kombinata sinteticheskikh stroitel'nykh materialov i izdelii. Moskva, Stroizdat, 1984. 16 p. [MICROFILM]
- KOSTOGLODOV, R. I., GORBATOVSKII, and V. KOSMACHEV.** [Plant's second youth] Vtoraya molodost' zavoda. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1982. 66 p. [MICROFILM]
- KOVALENKO, I. F.** [Highway construction in Kazakhstan] Stroitel'stvo avtomobil'nykh dorog v Kazakhstane. Alma-Ata, Ob-vo po rasprostraneniyu polli. i nauchn. znaniy Kazakhskoi SSR, 1982. 18 p. [MICROFILM]
- KOZLOV, I. A., and V. G. BAZHENOV.** [Limiting carrying capacity of the parts of turbomachines] Predel'naya nesushchaya sposobnost' elementov turbomashin. Kiev, Naukova dumka, 1985. 166 p.
- KOZLOV, V. S.** [Black and white electron-beam tubes and external auxiliary devices] Chernobelye elektronoluchevyye trubki i vneshnie vopomogatel'nye ustroystva. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1984. 40 p. (Obzor inostrannykh patentov)
- KOZLOVSKII, N. S.** [Calculation and design of preclaus-type mechanisms; manual on methods] Raschet i konstruirovaniye tochnykh mekhanizmov; uchebno-metodicheskoe posobie. Moskva, Mosk. in-t radioelektroniki i gornoj elektromekhaniki, 1984. 110 p. [MICROFILM]
- KRAEV, A. P.** [Fundamentals of geoelectricity] Osnovy geoelektriki. Izd. 2., ispr. i dop. Leningrad, Nedra, 1965. 587 p.
- KRASIVSKII, S. P.** [Devices and technical means for automatic control] Pribory i tekhnicheskie sredstva avtomatizatsii. Moskva, Mashinostroenie, 1965. 330 p.
- KRUCHININA, R. A.** [Machines for mechanical textile finishing, theory, design and construction] Mashiny dlya mekhanicheskoi odelki 'kanol, teoriya, raschet i konstruirovaniye. Moskva, Mashinostroenie, 1985. 270 p.
- KRULEV, G. I.** [Traffic safety and safety measures in automotive transportation] Bezopasnost' dvizheniya i tekhnika bezopasnosti na avtomobil'nom transporte. Moskva, Transport, 1985. 186 p.
- KUDRIYATSEV, I. P.** [Textures in metals and alloys] Tekstury v metallakh i splyavakh. Moskva, Metallurgiya, 1985. 202 p.
- KUDRIYATSEV, P. R.** [Repairing the NSH gear pumps] Remont shesterenchatykh nasosov NSH. Moskva, Biuro tekhn. informatsii, 1983. 64 p. (Vserossiiskoe ob'edineniye Soveta ministrov RSFSR "Rossel'khoz-tekhnika." Peredovoi opyt i predlozheniya. I Seriya: Remont mashino-traktornogo parka) [MICROFILM]
- KUPCHINOV, I. I., and S. M. LEBEDEV.** [Surveying in large-scale industrial construction] Geodeziya pri krupnom promyshlennom stroitel'stve. 2. izd., perer. Moskva, Nedra, 1985. 299 p.
- KURANOV, I. V., I. M. SHEPELEV, and A. I. KURANOV.** [Automation of equipment for the manufacture of cables and industrial rubber production] Avtomatizatsiya kabel'nogo i reznotekhnicheskogo oboiudovaniya. Moskva, Mashinostroenie, 1985. 371 p.
- KURIN, M. A.** [By the road of technological progress] Kursom tekhnicheskogo progressa. Kazan', Tatarskoe knizhnoe izd-vo, 1984. 27 p. (Resheniya XXII s'ezda KPSS v doistviy) [MICROFILM]
- LASHCHAEV, S. M.** [Measures for the specialization of the furniture industry in Vladimir Province] Meropriyatiya po spetsializatsii mebel'noi promyshlennosti Vologodskoi oblasti. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvushchei promyshli, i lesnomu khoz., 1984. 28 p. (Derevoobrabotka) [MICROFILM]
- LASHCHAEV, S. M.** [Specialization of the furniture factories in the Karelian A. S. S. R.] Spetsializatsiya mebel'nykh predpriyatii Karelii A. S. S. R. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvushchei promyshli, i lesnomu khoz., 1984. 32 p. (Derevoobabotka) [MICROFILM]
- LATVIAN S. S. R. Republikas latas saimniecibas padomne.** Konstruktorsko-tekhnologicheskoe biuro metallizatsii v vakuumе. [Metallization in vacuum] Metallizatsiya v vakuumе. Riga, Latviiiski respubl. in-t nauchno-tekhn. informatsii i propagandy, 1984. 26 p.
- LEMARIN'E, K. P.** [Asoptic preservation of food] Asopticheskoe konservirovaniye pishchevykh produktov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshli, 1984. 46 p. [MICROFILM]
- LEMBERG, M. D.** [Hydraulic control systems] Sistemy gidravtomatiki. Moskva, Energiya, 1985. 118 p. (Biblioteka po avtomatike, no. 131)
- LENINGRAD. GOSUDARSTVENNYI INSTITUT PRIKLADNOI KHIMII.** [Chemistry and technology of isotopes] Khimiya i tekhnologiya izotopov; sbornik statei. Pod red. I. F. Tupitsyina. Moskva, Khimiya, 1984. 181 p.
- LENINGRAD. INSTITUT ELEKTROMEKHANIKI.** [Automated electric drives; sea-vo systems, control, and converter devices] Avtomatizirovannyi elektroprivod; stadiamicheskie sistemy, upravleniye i preobrazovatel'nye ustroystva. Moskva, Nauka, 1985. 172 p.
- LENINGRAD. INSTITUT ELEKTROMEKHANIKI.** [Electrical equipment and operating modes of electric power systems] Elektrooborudovaniye i rezhimy elektroenergeticheskikh sistem. Moskva, Nauka, 1985. 118 p.



- LENINGRAD. NAUCHNO-ISLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. [Concise instruction on calculating a changing magnetic field in aeromagnetic surveying in the Arctic and sub-Arctic regions] Kratko sostavlenno po uchetu peremennogo magnitnogo polia pri aeromagnitnykh s'ebnikakh v Arktike i Subark-tike. Pod red. R. M. Dement'skoi. Leningrad, 1964. 42 p.
- LENINGRAD. VSESOUZNYI NAUCHNO-ISLEDOVATEL'SKII INSTITUT GIDROTEKHNIKI. [Annotations on the research work in hydraulic engineering completed in 1961] Annotatsii zakonchennykh v 1961 godu nauchno-issledovatel'skikh rabot po gidrotekhnike. Leningrad, Gosenergoizdat, 1963. 836 p. [MICROFILM]
- LENNOV, V. G. [Plastic building materials, products, and elements, a lecture on promoting new materials and elements in construction technology in the light of the decisions of the December Plenum of the Central Committee of the Communist Party of the Soviet Union] Stroitel'nye materialy, izdelia i konstrukt-sil iz plastmass, lektsiia po propagande novykh materialov i konstrukt-sil v stroitel'noi tekhnike v svete reshenii dekabrskogo Plenuma TsK KPS. Gor'kii, Gor'kovskoe obl. otd-nie ob-va "Znanie" RSFSR, 1964. 33 p. (V pomosheh' lektoru) [MICROFILM]
- LEVANDOV, L. IA., and S. T. DAVYDOV. [Manganese as a trace element in its relation to the biochemistry and properties of tannins] Manganets kak mikroelement v svyazi s biokhimiie i svoistvami tanninov. [Chelabinsk] Chelabinskoe knizhnoe izd-vo, 1961. 185 p. [MICROFILM]
- LEVICHEV, V. G., L. V. STEPUR, and B. I. FOGEL'SOV. [Principles of radio engineering and radar, radio transmitting and receiving systems] Osnovy radiotekhniki i radiolokatsii, radioperedaticheskii i radiopriemnye ustroystva. Izd. 2., pereb. Moskva, 1965. 583 p.
- LEVIN, B. I., and E. P. SHUBIN. [Heat exchangers of heat supply systems] Teploobmennye apparaty sistemy teplosnabzheniia. Moskva, Energiia, 1965. 256 p.
- LEVITAN, E. P., N. L. TARGANSKII, and K. B. EZDRIN. [Assembling precast reinforced concrete roofs for large-panel buildings, practices of the Main Construction Administration of the city of Moscow] Montazh sbornykh zhelezobetonnykh krysh krupnopanel'nykh zdani, iz opyta Glavmossstroia. Moskva, Stroizdat, 1964. 31 p.
- LIASHENKO, F. A., D. P. GALITSKII, and V. A. KRAVCHENKO. [Technology of logging operations in the Maritime Territory ensuring the preservation of young growth] Primorskaya tekhnologiya lesosechnykh rabot, obespechivaiushchaya sokhraneniye podrosta i molodniaka. Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1964. 15 p. [MICROFILM]
- LIPKIN, I. A. N., A. M. SOKOL, and O. I. SHKOLA. [Ultrasonic cleaning of pipes] Ul'trazvukovaya oshistka trub, Leningrad, 1965. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Elektrofizicheskie i elektrokhnicheskie metody obrabotki metallov)
- LIPMAN, G. S., and G. M. TURGENEV. [Snow vehicles] Snegokhody. Moskva, Izd-vo "Znanie," 1965. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 10)
- LIPOVETSKII, M. A. [Concrete pumping and pneumatic delivery equipment and operational productivity with their use] Betononasosnye i pnevmaticheskie nagnetatel'nye ustanovki i proizvodstvo rabot s ikh primeneniem. Moskva, Stroizdat, 1965. 314 p. (Seriya posobil po povysheniiu masterstva stroitel'ei)
- LITHUANIAN S. S. R. Liaudies ukiyo taryba. Centrinis moksline-technine biblioteka, Vilnia. [Automation and mechanization of production processes in light industry; a bibliographical index] Gamybos procesu automatizavimas ir mechanizavimas lengvojoje pramonėje; bibliografinis rodykite, Vilnius, Respubl. moksline-technines informacijos ir propagandos institutas, 1960. 65 p. [In Lithuanian and Russian] [MICROFILM]
- LIUBOSHITS, M. I., and G. M. ITS KOVICH. [Manual on the strength of materials] Spravochnik po soprotivleniiu materialov. Minsk, Vysshaya shkola, 1965. 343 p.
- LOSEV, S. A. [Multitool milling] Mnogoinstrumentnaya obrabotka frezerovaniem. Moskva, Mashinostroenie, 1965. 121 p.
- LURE'E, B. IA. [Design of transistor amplifiers with direct feedback] Proektirovaniye tranzistornykh usilitelei s glubokoi obratnoi svyaz'iu. Moskva, Svyaz', 1965. 149 p.
- LUTSUK-KHUDIN, V. A. [New method of producing two-layer rolled plate for high-pressure vessels] Novyi sposob proizvodstva tolstostennogo dvukhsloynnogo prokata dlia sosudov vysokogo davleniia. Kiev, Naukova dumka, 1965. 59 p.
- L'VOVSKII AVTOBUSNYI ZAVOD. [Catalog of spare parts for the LAZ-695E "L'viv" and LAZ-697E "Turist" motorbuses] Katalog zapasnykh chastei avtobusov LAZ-695E "L'viv" i LAZ-697E "Turist." Moskva, Mashinostroenie, 1965. 319 p.
- MAMEDOV, A. M. [Troubles with motor-vehicle and tractor engines] Neispravnosti avtomobilnykh dvigatelei. Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1964. 26 p. [MICROFILM]
- MANDEL'SHEIN, M. L. [Dynamic characteristics of rectifying stills] Dinamicheskie kharakteristiki bragorektilifikatsionnogo apparata. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 16 p. (Tekhnicheskaya informatsiia) [MICROFILM]
- MANDZHAVIDZE, N. F., and G. P. MAMARADZE. [Catalog of high dams, with a height greater than 75 m.] Katalog vysokikh plotin; vysotoi bolee 75 m. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 185 p.
- MANSUROV, A. M. [Mechanization and automation in forging] Mekhanizatsiia i avtomatizatsiia v kuznechnom proizvodstve. Moskva, Mashinostroenie, 1965. 211 p.
- MARKMAN, A. L., and V. P. RZHEKHIN. [Gossypol and its derivatives] Gossipol i ego proizvodnyye. Moskva, Pishchevaia promyshlennost', 1965. 243 p.
- MARKOV, N. N. [Gear-tooth measuring instruments; foreign experience] Zubolozmeritel'nye pribory; inostrannyi opyt. Moskva, Mashinostroenie, 1965. 165 p.
- MASLOV, V. A. [New developments in the production of brandy spirit] Novoe v proizvodstve kon'iachnogo spirita. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 66 p. [MICROFILM]
- MATIUKHIN, A. N. [Safety manual for cupola furnace operators at enterprises manufacturing mineral wool] Pamiatka po tekhnike bezopasnosti dlia vagranshehika na predpriiatiiakh po proizvodstvu mineral'noi vaty. Moskva, Stroizdat, 1965. 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- MATIUKHIN, A. N. [Safety manual for operators of blowers of mineral wool insulation] Pamiatka po tekhnike bezopasnosti dlia operatora uzla razduva raspasya mineral'noi vaty. Moskva, Stroizdat, 1965. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- MATSIUK, L. N., and others. [Welding of polymer films] Svarka polimernykh plenok. Moskva, Mashinostroenie, 1965. 76 p.
- MATSEVICH, D. D. [Machine for automatic calculation of lumber in a transverse raft] Mashina dlia avtomaticheskogo ucheta lesa v poperechnoi shchete. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniia po lesnoi, tseluluzno-bumazhnoi, derevobrabatyiavushchei promyshl. i lesnomu khoz., 1964. 21 p. (Lesokapitalizatsiia) [MICROFILM]
- MEDZHIBOZHSKI, M. IA. [Using compressed air in the open-hair process] Primeneniye szhatogo vozdukhia v martenovskom proizvodstve. 2. izd., perer. i dop. Moskva, Metallurgiya, 1965. 191 p.
- MEL'NIK, D. M., F. D. BARYKIN, and P. P. NEDASHKOV-SKII. [Snow removal machinery with brush rotors] Snegouborshehiki so shchetorchnymi rotormi. Moskva, Transport, 1965. 46 p. (Dostizheniia nauki i tekhniki v proizvodstvo)
- METELKIN, A. I. [New developments in the technology of wear-resistant sole leather] Novoe v tekhnologii iznosostoiikh podoshvennykh kozh. Moskva, Legkaya industriia, 1964. 27 p. [MICROFILM]
- MEZHOTRASLEVOI SOVET NAUCHNO-TEKHNIChESKIIKH OBSHCHESTV MOLDAVSKOI SSR. [For technological progress, from the work practice of scientific and technical societies of Moldavia] Za tekhnicheskii progress, iz opyta raboty nauchno-tekhnicheskikh obshchestv Moldavii. Kishinev, 1964. 101 p.
- MINKOV, M. A. [Technology of the machining of deep piecing holes] Tekhnologiya izgotovleniia glubokikh tochnykh otverstii. Moskva, Mashinostroenie, 1965. 175 p.
- MINSK. GOSUDARSTVENNYI NAUCHNO-ISLEDOVATEL'SKII INSTITUT STROMATERIALOVA. [Agloporite and agloporite concrete] Agloporit i agloporitobeton. Minsk, Nauka i tekhnika, 1964. 390 p.
- MOROZOV, A. P. [Making dies for forging] Izgotovleniye shlampov dlia gor'achei shlampovki. Moskva, Mashinostroenie, 1965. 183 p.
- MOROZOV, N. A. [Technology of wood processing] Tekhnologiya obrabotki drevessiny. Moskva, Lesnaya promyshlennost', 1965. 333 p.
- MOSCOW. Glavnoe upravleniye po zhilishchnomu i g.azhizniaskomu strotel'stvu. [New machinery and advanced practices at construction projects in Moscow, 1954-1964] Novaya tekhnika i priedovoi opyt na strotkakh Moskvy (1954-1964 gg.). Moskva, Stroizdat, 1965. 230 p.
- MOSCOW. GOSUDARSTVENNYI PROEKTNIY INSTITUT GIPROTORT. [Methods of determining the level of mechanization of industrial processes in the peat industry] Metodika opredeleniia urovnia mekhanizatsii proizvodstvennykh protsessov v torfianoi promyshlennosti. Moskva, Nedra, 1964. 114 p.
- MOSCOW. INSTITUT GORIUCHIKH ISKOPEMYKIL. [Chemical processing of fuels; chemistry and technology] Khimicheskaiia perarabotka topliv; khimiia i tekhnologiya. Moskva, Nauka, 1965. 277 p.
- MOSCOW. INSTITUT GORNOGO DELA IMENI A. A. SKOCHINSKOGO. [On exchange and extractive methods in chemical ore dressing processes] Tonoobmennye i ekstraktionnye metody v khimiko-obogatitel'nykh protsessakh. Moskva, Nauka, 1965. 67 p.
- MOSCOW. INSTITUT RADIOELEKTRONIKI I GORNOI ELEKTROMEKHANIKI. [Technology and overall mechanization of the open pit mining of coal, ore and nonmetallic minerals] Tekhnologiya i komplekssnaya mekhanizatsiia otkrytoi dobychi ugliia, rud i nerudnykh iskopaemykh. Moskva, Pt. 1. [Technological processes] Tekhnologicheskie protsessy. No. 1. [Objectives in mining operations, principles of the technology and economics of strip mining] Ob'ekty gornykh rabot, osnovy tekhnologii i ekonomiki otkrytykh razrabotok. [By] V. V. Rzhavskii i N. D. Zolotarev. 1964. 110 p. No. 2. [Relocation of strip mine rock piles] Peremesheheniie kar'ernykh gruzov. [By] V. V. Rzhavskii, S. A. Il'in i V. I. Ganitskii. 1964. 227 p. [MICROFILMS]
- MOSCOW. MOSKOVSKOE VYSSHEE TEKHNIChESKOE UCHILISHCHE. [Theoretical principles of linear radioelectronics] Tekhnicheskie osnovy lineinai radioelektroniki. Moskva, Pt. 1. [Theory of the electromagnetic field, manual for independent work of students] Teoriia elektromagnitnogo polia; rukovodstvo dlia samostoiatel'nykh zaniatii studentov. 1964. 133 p.
- MOSCOW. NAUCHNO-ISLEDOVATEL'SKII INSTITUT ORGANIZATsii, MEKANIZATsii i TEKHNIChESKOI POMOSHCHII STROITEL'STVU. [Experience in constructing precast reinforced concrete horizontal tanks] Opyt strotel'stva sbornykh zhelezobetonnykh gorizontai'nykh rezervuarov. Moskva, Stroizdat, 1964. 31 p. [MICROFILM]
- MOSCOW. NAUCHNO-ISLEDOVATEL'SKII INSTITUT ORGANIZATsii, MEKANIZATsii i TEKHNIChESKOI POMOSHCHII STROITEL'STVU. [Specialized transportation facilities for the haulage of building materials and elements] Spetsializirovannye transportnye sredstva dlia perevozki stroitel'nykh materialov i konstrukt-sil. Moskva, Stroizdat, 1964. 67 p. [MICROFILM]

- MOSCOW. NAUCHNO-ISSEDOVATEL'SKII INSTITUT ORGANIZATSI, MEKHANIZATSI I TEKHNIČESKOI POMOSHCHI STROITEL'STVU [Tsentrāl'noe biuro tekhnicheskoi informatsii] [Improvement in the preparation and assembling of large-panel buildings, practices of the Kukskii Housing Construction Combine in the city of Krasnoyarsk] Sovershennost' proizvodstva i montazha krupnopanel'nykh zdaniy, opyt raboty Kukskogo domostroyitel'nogo kombinata v g. Krasnoyarske. Moskva, Stroizdat, 1964. 30 p.
- MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIČESKOI INFORMATSI LEGKOI PROMYSHLENNOSTI [New methods for the analysis of leather raw materials and preserving agents] Novyye metody analiza kozhevennogo syr'ya i konservirovaniya shkurnykh materialov. Moskva, 1964. 22 p. [MICROFILM]
- MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIČESKOI INFORMATSI PISHCHEVOI PROMYSHLENNOSTI [Polymers coatings in the food industry, materials of a seminar] Polimernye pokrytiya v pishchevoi promyshlennosti, materialy seminar. Moskva, 1963. 40 p. [MICROFILM]
- MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIČESKOI INFORMATSI PISHCHEVOI PROMYSHLENNOSTI [Vitaminization of food for mass consumption] Vitaminizatsiya pishchevnykh produktov massovogo potreblieniya. Moskva, 1964. 41 p. [MICROFILM]
- MOSCOW. TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII I PROEKTNYI INSTITUT TIPOVOY I EKSPERIMENTAL'NOGO ZHILISHCHA [Heat engineering qualities and the microclimate of large-panel apartment houses] Teploinzhenernye kachestva i mikroklimat krupnopanel'nykh zdanii. Pod red. B. F. Vasil'eva. Moskva, Stroizdat, 1965. 244 p.
- MOSCOW. TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT INFORMATSI I TEKHNIKO-EKONOMICHESKIIH ISSEDOVANI PO LESNOI, TSELLULOZNO-BUMAZHNOI, DEREVOOBRABATYVAUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [Production of particle board] Proizvodstvo drevsnobratnykh plit. Moskva, 1964. 20 p. (Derevobratka) [MICROFILM]
- MOSCOW. TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT INFORMATSI I TEKHNIKO-EKONOMICHESKIIH ISSEDOVANI PO LESNOI, TSELLULOZNO-BUMAZHNOI, DEREVOOBRABATYVAUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [Ways for water transportation of lumber] Puti razvitiya vodnogo transporta lesa. Moskva, 1964. 20 p. (Lesoskaphatatsiya) [MICROFILM]
- MOSCOW. UNIVERSITET DRUZHBY NARODOV. Kafedra "Konstruktsii detalей, uzlov mashin i mekhanizmov." [Abstracts of lectures in the course "Machine parts"] Konspekt lektsii po kursu "Detali mashin." Moskva. Pt. 1. Lectures 1-7. [General information, joints] Obshchie svedeniya, Soedineniya. 1964. 80 p. Pt. 2. Lectures 8-14. [Power transmissions] Peredachi. 1964. 103 p. [MICROFILM]
- MOSCOW. VSESOIUZNYI TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT OKHIRANY TRUDA. [Measures to improve the sanitary conditions of labor and principles of the design of ventilation systems in fully mechanized and automated departments for the molding, cleaning, and trimming of castings] Mera opitnosti po ozdorovleniyu usloviy truda i osnovnye polozenia po projektirovani ventilatsii na kompleksno-mekhanizirovannykh i avtomatizirovannykh uchastkakh formovki, oshlitski, obrabki i zashlitski otливok. Moskva, Profizdat, 1964. 21 p. [MICROFILM]
- MURAMOVICH, G. I. [Experience in introducing and using universal blocks, die sets, and accessory tools for the group die stamping of parts] Opyt vnedreniya i ekspluatatsii universal'nykh blokov, paketynykh shtamponov i sredstv mekhanizatsii dlia gruppovoy shtamponovki detalей. Leningrad, 1966. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya "Gosnakh i kholodnaya obrabotka metallov davleniem")
- MURZIN, V. A., and I. A. TSEITLIN. [Pneumatic equipment in mines] Rudnicelnye pnevmaticheskie ustanovki. Moskva, Nedra, 1965. 315 p.
- NAMESTNIKOV, A. F. [Home canning and preserving of fruits and vegetables] Konservirovaniye plodov i ovo-shchey v domashnikh usloviyakh. 4., ispr. i dop. izd. Moskva, Pishchevaia promyshlennost', 1965. 230 p.
- NATSIONAL'NYI KOMITET GEOLOGOV SOVetskogo SOIUZA. [Problems of metallogeny] Voprosy metallogenii. Moskva, Nedra, 1965. 257 p. (Mezhdunarodnyi geologicheskii kongress. Doklady sovetskikh geologov, Problema 16)
- NAUCHNAIA KONFERENTSIYA PO VOPROSAM IZUCHENIYA VODNYKH RESURSOV I ASSI I GIGIENY VODOSNABZHENIYA. Kazan, 1963. [Transactions of the Conference on Problems in Studying the Water Resources of the Tatar A.S.S.R. and the Hygiene of Water Supply] Trudy. Pod red. L. N. Krepkogorskogo. Kazan', Kazanskii in-t usovershennostivani vrachei im. V. I. Lenina, 1964. 106 p.
- NAUCHNO-TEKHNIČESKOE OBSHCHESTVO BUMAZHNOI I DEREVOOBRABATYVAUSHCHEI PROMYSHLENNOSTI. Kazan'skoe oblastnoe pravlenie. [Technological wood chips as a valuable chemical raw material] Tekhnologicheskaya shchepa—tsennoe khimicheskoe syr'ye. Petrozavodsk, Kazan'skoe knizhnoe izd-vo, 1964. 35 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR) [MICROFILM]
- NAUCHNO-TEKHNIČESKOE OBSHCHESTVO GORODSKOGO KHOZIAISTVA I AVTOMOBIL'NOGO TRANSPORTA. [Practices in planning, constructing, and doing research on gas supply to cities and municipal services] Iz opyta projektirovaniya, konstruirovaniya i isledovaniya v oblasti gazifikatsii gorodov i komunal'no-bytovykh ob'ektov; sbornik statei. Moskva, Stroizdat, 1964. 49 p.
- NAUCHNO-TEKHNIČESKOE OBSHCHESTVO LESNOI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. Vologodskoe oblastnoe pravlenie. [Georgievskaya Highway with track pavement made of reinforced concrete slabs in the Belozersk Logging Enterprise of Vologda Province] Georgievskaya avtomobil'naya doroga s koleynym pokrytiem iz zhelezobetonnykh plit v Belozerskom lepnikomkhoz'e Vologodskoi oblasti. [Vologda] Severo-Zapadnoe knizhnoe izd-vo, 1964. 36 p. [MICROFILM]
- NAUCHNO-TEKHNIČESKOE OBSHCHESTVO PISHCHEVOI PROMYSHLENNOSTI. Belorusskoe pravlenie. [Introduction of new equipment and the latest technology in the wine industry of White Russia, materials of a conference] Vnedrenie novoi tekhniki i naibolee sovershennoi tekhnologii v vinodel'cheskuyu promyshlennost' Belorussii, materialy konferentsii. Minsk, Red., izd. otde. In-ta nauchno-tekhn. informatsii i propagandy, 1962. 60 p. [MICROFILM]
- NAZARENKO, O. K. [Electron beam welding] Elektronno-luchevaya svarka. Kiev, Naukova dumka, 1965. 127 p.
- NAZAROV, B. A. [Commercial study of milk products and fats] Tovarovedenie molochnykh tovarov i zhirov. Moskva, Ekonomika, 1965. 151 p.
- NEKHLUDOV, I. A., P. I. KOZHEUROV, and B. A. RITS. [Casting high-strength cast iron crankshafts in permanent molds] Otlivka kolechatykh valov iz vysokoprotivnoy chuguna v kokli. [Cheliabinsk] Izuzhno-Ural'skoe knizhnoe izd-vo, 1964. 47 p.
- NOVOMEISKII, I. D., and V. I. LIVSHITS. [Properties and use of high-manganese austenitic steel] Svoystva i primeneniye vysokomangantsovoi austenitnoi stali. Tomsk, Izd-vo Tomskogo univ., 1964. 57 p. [MICROFILM]
- NUDEL'MAN, G. E., and others. [Continuous line for the production of halibut] Potochnaya linia proizvodstva khalyv. Moskva, Tsentral'nyi nauchno-tekhn. informatsii pishchevoi promyshli, 1964. 16 p. [MICROFILM]
- OBODOVSKII, B. A., and S. E. KHANIN. [Strength of materials in examples and problems] Soprotivleniye materialov v primerakh i zadachakh. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1965. 314 p.
- OGORODNIK, S. T., and K. S. POPOV. [Vermouth making in the U.S.S.R. and abroad] Proizvodstvo vermoutha v SSSR i za rubezhom. Moskva, Tsentral'nyi nauchno-tekhn. informatsii pishchevoi promyshli, 1964. 23 p. [MICROFILM]
- OLESOVA, T. SH. [Technology of electric welding] Tekhnologiya elektricheskoi svarki. Moskva, Tsentral'nyi nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1964. 43 p. (Obzor otchetstvennykh i zaiubchnykh izobretenii)
- ORGRES, trust, Moscow. [Automation of pulverized coal systems with ball mills] Avtomatizatsiya pylesistem s shirokovymi ballamymi mel'nitsami. Moskva, Energiya, 1965. 103 p.
- ORLOV, S. I. [Monolithic electric wiring] Zamonolichnye elektroprovodki. Moskva, Stroizdat, 1964. 29 p.
- OSTANOVSKII, T. S. [Characteristics of the design of camera parts, a lecture] Kharakteristika konstruktivnykh uslovii fotografiicheskikh apparatov; lektsiya. Moskva, Mosk. in-t nar. khoz., 1964. 27 p. [MICROFILM]
- OTLEV, I. A. [Pressing particle board in multistage hydraulic presses] Pressovanie struzhechnykh plit v mnogostadiykh gidravlicheskikh pressakh. Moskva, Tsentral'nyi nauchno-issl. in-t informatsii i tekhniko-ekon. issledovani po lesnoi, tsellyulozno-bumazhnoi, derevobratyvalushchei promyshli i lesnomu khoz., 1964. 26 p. (Derevobratka) [MICROFILM]
- OVCHAROVA, T. P. [Sorbic acid as food preservative] Sorbinovaya kislota—konservant pishchevnykh produktov. Moskva, Tsentral'nyi nauchno-tekhn. informatsii pishchevoi promyshli, 1964. 44 p. [MICROFILM]
- [PAPER AND PAPER PRODUCTS] Dumaga i bumazhnye izdeliya, izd. ofstisl'noe. Moskva, Izd-vo Standartov. 1965. 627 p. (SSSR, Gosudarstvennye standarty)
- PARFENOV, G. M. [Possibilities of winter transportation of lumber by motor vehicles] Rezervy zimnei vyvozki lesa avtomashinami. Moskva, Tsentral'nyi nauchno-issl. in-t informatsii i tekhniko-ekon. issledovani po lesnoi, tsellyulozno-bumazhnoi, derevobratyvalushchei promyshli i lesnomu khoz., 1964. 27 p. (Lesoskaphatatsiya) [MICROFILM]
- PAVLOV, I. V. [Draining transformers in a.c. traction networks] Otsasyvalushchie transformatory v tilagovykh setyakh peremennogo toka. Moskva, Transport, 1963. 203 p.
- PAZIRUK, K. I. [AKPCh-25-50 unit for the complete processing of potato] Agregat AKPCh-25-50 dlia kompleksnoi pererabotki kartofelia. Moskva, Tsentral'nyi nauchno-tekhn. informatsii pishchevoi promyshli, 1964. 25 p. [MICROFILM]
- PAZIRUK, K. I. [Utilization of the wastes of the overall processing of potato] Ispol'zovanie otkhodov pri kompleksnoi pererabotke kartofelia. Moskva, Tsentral'nyi nauchno-tekhn. informatsii pishchevoi promyshli, 1964. 51 p. [MICROFILM]
- PERELASLAVTSEV, N. A., and M. I. KISILIER. [Instrument for percussion and swing drilling of holes in reinforced concrete; materials of the Kiev section of the All-Union State Design Institute "Teplelektroproekt"] Instrument dlia udarno-povorotnogo burenia otverstii v zhelezobeton; po materialam Kievskogo otdeleniya VGPI "Teplelektroproekt." Moskva, Stroizdat, 1964. 15 p. [MICROFILM]
- PEREL'MAN, A. I., ed. [Exogenous epigenetic uranium deposits, conditions governing their formation] Ekzogennyye epigeneticheskie mestorozhdeniya urana, usloviya obrazovaniya. [By] S. G. Batulin i dr. Moskva, Atomizdat, 1965. 323 p.
- PE... [T-40 tractors in repair] Tekhnicheskie uslovia i ukazaniya po defektovke detalей i soprizhenii pri remonte traktorov T-40. Moskva, Biuro tekhn. informatsii GOSNIT, 1964. 169 p. (Tipovaya tekhnologiya remonta traktorov)



PEROVO. GOSUDARSTVENNYI VSESOIUZNYI NAUCHNO-ISLEDovATELSKII TEKHNOLOGICHESKII INSTITUT REMONTA I EKSPLOATATSIY MASHINOTRAKTORNOGO PARKA. [Technology of the repair of tires of motor vehicles, tractors and agricultural machinery] Tekhnologiya remonta shin avtomobilei, traktorov i sel'skokhoziaistvennykh mashin Moskva, 1963. 200 p.

[MICROFILM]

[PETROLEUM PRODUCTS, test methods] Nefteprodukty, metody ispytaniy. Izd. ofitsial'nou. Moskva, Izd-vo Standartov. Pt. 1. 1963. 646 p. (SSSR, Gosudarstvennyye standarty)

PETROV, I. A. P. [Amphibious units for lumber floating, textbook for students of the Faculty of Woodworking and Forest Engineering] Vozdushnoye agregaty-amfibi dlia splava; uchebnoye posobie dlia studentov lesomekhanicheskogo i lesosozhiznennogo fakul'teta Leningrad, Vses. zaochnyy lesotekhn. in-t, 1964. 61 p.

PETROV, I. U. P. [Variational methods in the theory of optimal control] Variatsionnye metody teorii optimal'nogo upravleniya Moskva, Energiya, 1965. 219 p.

PETROVA, A. N. [Safety manual for the brick kiln charger and drawer] Pamiatka po tekhnike bezopasnosti dlia sadchika i vystavshchika kirpicha. Moskva, Stroizdat, 1965. 22 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

PETROVA, N. A. [Mechanical processing of glass plastics, experience of the "Elektrosila" Plant of the Association of Electric Machinery Industries] Mekhanicheskaya obrabotka stekloplastikov, opyt zavoda "Elektrosila" elektromashinostroitel'nogo ob'edineniya. Leningrad, 1965. 25 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy. Proizvodstvennyy opyt. Seriya Mekhanicheskaya obrabotka metallov)

[PHOTO 1963] Foto 1963. [Kyiv, Mysl'istvo, 1964. 4 p. 57 photos [In Ukrainian and Russian]]

[PHYSICAL PRINCIPLES OF THE OPERATION OF SEMICONDUCTOR MICROWAVE DIODES] Fizicheskiye osnovy raboty poluprovodnikov SVCh diodov. [By] S. N. Ivanov i dr. Moskva, Sovetskoye radio, 1965. 190 p.

PISHCHIK, A. F., G. V. SUKHOVA, and A. A. PISHCHIK. [Mechanical and semi-mechanical processing of laundry, textbook for laundry industry workers] Mekhanicheskaya i polumechanicheskaya obrabotka bel'ia, posobie dlia masterov prachechnogo proizvodstva. Moskva, Stroizdat, 1964. 80 p.

PITLIUK, D. A. [Designing structural elements on the basis of models] Raschet strukturnykh konstruktov na osnove modelirovaniya. Leningrad, Stroizdat, 1965. 151 p.

[PLANNING, OPERATION AND REPAIR OF PETROLEUM PRODUCTS PIPELINES] Proektirovaniye, eksploatatsiya i remont nefteproduktoprovodov. [By] V. S. Iablonskiy i dr. Moskva, Nedra, 1965. 410 p.

L. D. BELOVA. [Modern methods for the preparation of molasses for yeast production] Sovremennyye sposoby podgotovki melassy dlia drozhzhevo go proizvodstva, Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchev. promyshl., 1964. 16 p. (Tekhnicheskaya informatsiya) [MICROFILM]

PLOTNIKOV, P. M., and others. [Use of liquid intermediate products in the making of wheat flour bread] Primeneniye zhidkikh polufabrikatov pri proizvodstve pshenichnykh sortov khleba. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchev. promyshl., 1963. 39 p. (Tekhnicheskaya informatsiya) [MICROFILM]

POGARSKII, N. A. [Electric transmissions for machines with motorized wheels] Elektricheskie transmisii mashin s motor-kolesami. Moskva, Mashinostroyeniye, 1965. 133 p.

POTAPOV, F. A., and N. I. BAKSHEEVA. [Technology of working cutovers with biological drying of lumber] Tekhnologiya razrabotki lesossek s biologicheskoy sushkoj lesa. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tseliulozno-bumazhnoi, derevoobrabatyvalushchei promyshli i lesnomu khoz., 1964. 35 p. (Lesoskoplucheniya) [MICROFILM]

POTEMKIN, D. M., and A. V. KOVARSKII. [Development of the design of kilning machines] Razvitiye konstruktivnykh trikotaznykh mashin. Moskva, Akad. nauk SSSR, 1965. 128 p. (Itogi nauki)

[PREPARATION OF A COURSE PROJECT ON MACHINE PARTS, reference manual] Kursovoye proektirovaniye detalei mashin, uchebno-spi avochnoye posobie. Izd. 4, perer. [By] G. M. Ioskovich i dr. Moskva, Mashinostroyeniye, 1964. 594 p.

[PRODUCTION OF LIGHTWEIGHT ROLLED SECTIONS] Proizvodstvo oblegchennykh profilov prokata. [By] A. P. Chekmaev i dr. [Moskva] Metallurgiya, 1965. 423 p.

PROKHOROV, M. A., and I. A. F. MIKHEEV. [Mobile automatic steam chambers for heat treating large reinforced concrete products, practices of the "Promstroil" Trust in the city of Penza] Peredvizhnyye avtomaticheskoye propoachnyye kamery dlia termooobrabotki krupnogabaritynykh zhelezobetonnykh izdelii; opyt tresta "Promstroil" g. Penzy. Moskva, Stroizdat, 1964. 15 p.

[MICROFILM]

PROKOF'EV, N. M. [Mechanical processing of stock wood, textbook for advanced courses for graduate engineers and students of the Faculty of the Mechanical Technology of Wood] Mekhanicheskaya obrabotka zago-tovok, uchebnoye posobie dlia kursov povysheniya kvalifikatsii diplomirovannykh inzhenerov i studentov fakul'teta mekhanicheskoy tekhnologii drevessiny. Leningrad, Vses. zaochnyy lesotekhn. in-t, 1964. 55 p.

PUDIKOV, G. N. [New equipment and the technology of the regeneration of sulfite liquors] Novoye oborudovaniye i tekhnologiya regeneratsii sul'fatnykh shcheloikov. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tseliulozno-bumazhnoi, derevoobrabatyvalushchei promyshli i lesnomu khoz., 1964. 52 p. (Bumaga i tseliuloznaya) [MICROFILM]

PUKHIOV, G. A., and L. P. SYSOEVA. [Group technology in welding] Gruppyvala tekhnologiya v svarochnom proizvodstve. Leningrad, 1965. 28 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy. Proizvodstvennyy opyt. Seriya Svarka, rezka, palka i naplavka metallov)

PUSHKAREV, V. V., A. P. RUCH'EV, and R. M. OKUNEVA. [Large-panel housing construction, from practices at building projects in Novosibirsk, Krasnoyarsk, and Kemerovo] Krupnopanel'noye domostroyeniye; iz opyta zaostroiki Novosibirskaya, Krasnoyarskaya i Kemerovskaya. Novosibirsk, Zapadno-Sibirskoye knizhnoye izd-vo, 1964. 208 p.

RADCHENKO, O. A. [Geochemical characteristics of the distribution of oil-bearing provinces in the world] Geokhimicheskiye zakononostnosti razmesheniya neftenosnykh oblastey mira. Leningrad, Nedra, 1965. 313 p.

RADIN, A. M. [Thermal and steam curing of concrete and reinforced concrete products] Termovlaznostnaya obrabotka betonnykh i zhelezobetonnykh izdelii. Pod red. S. V. Shustopova. [Moskva] Vysshaya shkola, 1964. 23 p.

[MICROFILM]

[RADIOELECTRONICS IN THE NATIONAL ECONOMY OF THE U. S. S. R.; collection of papers from technical conferences of the A. S. Popov Scientific and Technical Society of Radio and Electronics] Radioelektronika v narodnom khoziaistve SSSR; sbornik trudov nauchno-tekhnicheskikh konferentsii NTOR i E imeni A. S. Popova. Kulbyahev. No. 2. 1963. 168 p.

RAITSYN, T. M. [Analog computer systems in automatic control] Analogovyye vychislitel'nyye ustroystva v avtomatike. Moskva, Energiya, 1965. 87 p. (Biblioteka po avtomatike, no. 138)

RAKOV, A. P. [Modern cotton drawing frames] Sovremennyye lentochnye mashiny dlia khlopka. Moskva, Legkaya Industriya, 1965. 86 p.

RATTS, E. G., and others. [12 m. reinforced concrete crane beams with rod reinforcement stressed by the electrothermal method; practices of the All-Union Research Institute for Reinforced Concrete and Plant No. 18 for Reinforced Concrete Products of the Main Administration for Building Materials of the city of Moscow] Zhelezobetonnyye podkranovyye balki dlinoy 12 m so sterzhnevoy armaturoy, naprugaemoy elektrotermicheskim metodom; opyt raboty VNIIZhelezo-betona i zavoda zhelezobetonnykh izdelii no. 18 Glavmospromstroimaterialov. Moskva, Stroizdat, 1964. 31 p.

[MICROFILM]

REBRIN, S. P., and N. A. BORISOV. [Production of fiber-board by the dry method without binders in the Czechoslovakian S.S.R.] Proizvodstvo drevessno-voлокнистых плит sukhim sposobom bez svyazuyushchikh v ChSSR. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tseliulozno-bumazhnoi, derevoobrabatyvalushchei promyshli i lesnomu khoz., 1964. 20 p. (Bumaga i tseliuloznaya) [MICROFILM]

RESPUBLIKANSKOE SOVESHCHANIYE PO ISPOL'ZOVANIU TORFA V NARODNOM KHOZIAISTVE, Minsk, 1961. [Materials of the White Russian Conference on the Use of Peat in the National Economy] Materiaty, Minsk, In-t nauchno-tekhn. informatsii i propagandy, 1961. 140 p.

[MICROFILM]

REZNICHENKO, F. I., ed. [Problems in the mechanization of construction] Voprosy mekhanizatsii stroitel'stva. Saratov, Privolzhskoye knizhnoye izd-vo, 1964. 120 p.

REZNIKOV, M. R. [Radio Dry] Den' radio. Moskva, Svyaz', 1965. 76 p.

REZNIKOV, R. A., comp. [Work practice of the enterprises of the Leningrad Economic Council in standardization] Opyt raboty predpriyatiy Leningradskogo sovnarkhoza po standartizatsii i normalizatsii. Moskva, Izd-vo Standartov, 1965. 382 p.

ROGACHEV, B. V. [Manual on a charge method with measurement of a magnetic field] Rukovodstvo po metodu zariada s izmereniyem magnitnogo polya. Moskva, Nedra, 1965. 100 p.

ROSTOV-ON-DON. NAUCHNO-ISLEDovATELSKII INSTITUT PO STROITEL'STVU. [Stores of industrial construction] Komnatnye pechi industrial'nykh konstruktov. Rostov-na-Donu, 1963. 37 p.

[MICROFILM]

ROSTOV-ON-DON. UNIVERSITET. [Physicochemical methods for the analysis and control of production] Fiziko-khimicheskiye metody analiza i kontrolya proizvodstva. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1961. 265 p.

[MICROFILM]

ROZHANSKII, Z. F., and I. U. M. BUKI. [Practical laboratory work on the electrical equipment of substations] Laboratornyy praktikum po elektrooborudovaniyu podstantsii. Khar'kov, Izd-vo Khar'kovskogo univ., 1965. 120 p.

RUSSIA (1917- R. S. F. S. R.) Glavnoye upravleniye professional'no-tekhnicheskogo obrazovaniya, Respublikanskiy uchebno-metodicheskii kabinet. [Technical training of workers in enterprises of the metallurgical and chemical industries] Tekhnicheskoye obucheniye rabochikh na predpriyatiyakh metallurgicheskoy i khimicheskoy promyshlennosti. Moskva, Vysshaya shkola, 1964. 31 p. (Obmen opytom raboty) [MICROFILM]

RUSSIA (1923- U. S. S. R.) Gosudarstvennyy geologicheskii komitet. [Geology of coal and oil shale deposits of the U. S. S. R.] Geologiya mestorozhdenii uglya i goruchikh slantsev SSSR. Glav. red.: I. I. Ammosov i dr. Moskva, Nedra. Vol. 3. [Pechora coal basin and other coal deposits of the Komi A. S. S. R. and the Nenets National Area] Pechorskii ugo'l'nyy bassain i drugie mestorozhdeniya uglin Komi ASSR i Nenetskogo natsional'nogo okruga. Red. kollegiya tomy: B. L. Afanas'ev, G. M. Iaroslavtsev (red.), V. I. Iatsuk. 1965. 488 p. illus, map (insert)

RUSSIA (1923- U. S. S. R.) Gosudarstvennyy geologicheskii komitet. [Labor safety in the laboratories of geological prospecting groups and expeditions and requirements for ventilation] Bezopasnost' rabot v laboratoriyakh geologorazvedochnykh partii i ekspeditsii i trebovaniya k ventilatsii. Moskva, Nedra, 1964. 46 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyy komitet po avtomatizatsii i mashinostroyeniyu. [Regulation on the planned preventive maintenance of equipment and the means of transportation in the coal and mining industries] Polozheniye o planovoye-predupreditel'nom remonte oborudovaniya i transportnykh sredstv ugo'l'noi i gornorudnoi promyshlennosti. Stereotipnoye izd. Moskva, Nedra, 1965. 119 p.



- SYKOLANITSKII, M. E. [Mechanized continuous line for the production of cast toffee-type candy] Mekhanizirovannaya potochnaya linia proizvodstva litogo liisa. Moskva, TSentr in-t nauchno-tekhnicheskoi informatsii promyshl., 1964. 10 p. (Tekhnicheskaya informatsiya) [MICROFILM]
- SOKOLOV, N. G. [Principles of the design of electric drives] Osnovy konstruirovaniya elektropriivodov. Moskva, Energiya, 1965. 287 p.
- SOKOLOV, P. V. [Technical and economic indices of lumenshins] Tekhniko-ekonomicheskie pokazateli besosushil'nykh samet. Moskva, TSentr nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevobrabatывaushchei promyshl. i lesnomu khoz., 1964. 29 p. (Derevobrabotka) [MICROFILM]
- SOSNIN, I. U. P. [Gas heating and heating-cooking stoves] Gazovye otopitel'nye i otopitel'no-varochnye pechi. Izd. 3., dop. i perer. Moskva, Stroizdat, 1965. 267 p.
- SOVESHCHANIE-SEMINAR PO OBMENU OPYOM PROEKTIROVANIYA I STROITEL'STVA NA VECHNOMERZ-LYKH GRUNTAKH. Lkutskiy, 1961. [Collection of transactions of the Conference-Seminar on the Exchange of Experience in Design and Construction on Permanently Frozen Ground] Sbornik trudov. Krasnoyarskiy, Nauchno-issl. in-t po stroit., 1962. 269 p.
- SOZONOV, V. G. [Electronically excited electric drives] Ionnay elektropriivod. Moskva, Energiya, 1965. 149 p.
- [SPECIAL MEASUREMENTS IN WIRE COMMUNICATION] Spetsial'nye izmereniya v provodnoy svyazi. [By] K. K. Abramov i dr. Moskva, Svyaz', 1965. 231 p.
- SPIVAK, N. I. A., and others. [Large-panel apartment houses of keramzit concrete, practices of trust No. 25 of the Kuybyshev Economic Council] Kuponopanel'nye zhilye doma iz keramzitobetona, opyt tresta no. 25 Kuybyshevskogo sovmarkhoza. Moskva, Gosstolzdat, 1962. 47 p. [MICROFILM]
- STASIUK, V. N., and N. M. SHADRIN. [Electrification of transport in metallurgy using single-phase current] Elektrifikatsiya transporta v metallurgii na odnofaznom toke. [Moskva] Metallurgiya, 1965. 300 p.
- STOLBOV, V. P., and A. I. OVSIANNIKOV. [Work practices in sealing electric wires in reinforced concrete panels of standard apartment houses] Opyt raboty po zamontirovaniyu elektri oprovodki v zhelezobetonnnykh paneli tipovykh zhilykh domov. Novosibirsk, Trest Sibeletekromontazh, 1963. 60 p. [MICROFILM]
- STRAKHOV, V. V., and others. [Continuous production of creamy butter using the vacuum butter-formation method] Potochnoye proizvodstvo slivichnogo masla s primeneniem vakuum-masloobrazovaniya. Moskva, TSentr in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 29 p. (Tekhnicheskaya informatsiya) [MICROFILM]
- STRELETSKII, N. N. [Steel reinforced concrete bridges] Stalozhelezobetonnnyye mosty. Moskva, Transport, 1965. 375 p.
- STROGANOV, A. I., A. K. PETROV, and O. A. LABUNOVICH. [Raw materials for steelmaking] Сырье материалы в сталеплавлении производстве. [Cheliabinsk] Iuzhno-Ural'skoe knizhnoye izd-vo, 1964. 77 p. [MICROFILM]
- SUKHOVA, A. V. [Methods for testing furniture for strength and durability] Metody ispytaniya mebeli na prochnost' i dolgovechnost'. Moskva, TSentr nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevobrabatывaushchei promyshl. i lesnomu khoz. , 1964. 47 p. (Derevobrabotka) [MICROFILM]
- SVECHNIKOV, S. V. [Photoelectric two-terminal networks] Fotodvukhpolusniki. Kiev, Tekhnika, 1965. 279 p.
- SYCHEVA, M. P. [Use of VT-1 and K-28 ferrites in operational magnetic memory systems] Primeneniye ferritov mark VT-1 i K-28 v magnitnykh operativnykh zapominatel'skikh ustroystvakh. Moskva, In-t tekhnol. mekhaniki i vychislitel'noi tekhniki AN SSSR, 1958. 33 p. (PU-EN)
- SYTSKO, P. A. [Innovations in the work of Oisha rail-loaders] Novee v rabote oishanskikh zheleznodorozhnikov. Minsk, Gos izd-vo BSSR, 1959. 41 p. (Biblioteka novatoy) [MICROFILM]
- TAEV, I. S. [Calculation of contactors and current conducting parts of electrical apparatus, manual for course and diploma projects] Raschet kontaktov i tokovodushchikh chastei elekticheskikh apparatov, uchebnoye posobie dlya kursovogo i diplomnogo proektirovaniya. Red. M. G. Borodina. Moskva, Lening. in-t, 1961. 50 p.
- TANASIENKO, F. S. [Processing of seed raw materials for essential oils] Pererabotka zernovogo efirno-maslichnogo syr'ya. [Belgorod] Belgorodskoe knizhnoye izd-vo, 1960. 119 p. [MICROFILM]
- [TECHNOLOGICAL INSTRUCTIONS FOR THE PRODUCTION OF CHEESE] Tekhnologicheskie instruktsii po proizvodstvu syra. Uchebnyy VSNKh. 2. izd. Moskva, TSintipishcheprom, 1963. 161 p. [MICROFILM]
- TER-AZAR'EV, I. A. [Dynamics of the process of cutting stone] Dinamika protsessa rezaniya kamnia. Erevan [Armianskiy nauchno-issl. in-t stroitel'stva i sooruzhenii] 1959. 105 p. [MICROFILM]
- TURIN, S. T., A. I. BAZANOVA, and B. N. IL'CHENKO. [Protective coatings of containers in wine making] Zashchitnyye pokrytiya i rezervuary v vinodelii. Simferopol', Izd-vo "Kym", 1965. 103 p.
- TOROSHCHIN, P. A. [Metallized paper capacitors] Metallobumazhnyye kondensatory. Pod red. i s dop. V. T. Renne. Moskva, Energiya, 1965. 212 p.
- TOVCHIGRECHKO, S. S. [Levels and methods for their investigation] Urovni i metody ikh issledovaniya. Moskva, Izd-vo Standartov, 1965. 106 p.
- TREBIN, F. A., G. V. SHCHERBAKOV, and V. P. IAKOVLEV. [Hydro-mechanical methods for the study of wells and layers] Gidromekhanicheskie metody issledovaniya skvazhin i plastov. Moskva, Nedra, 1965. 275 p.
- TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT MEKHANIZATSI I ELEKTRIFIKATSI SEL'SKOGO KHOZIAISTVA NECHERNOZEMNOY ZONY SSSR. [Papers of graduate students] Sbornik nauchnykh i abot aspirantov. Pod red. F. A. Opeko. Minsk, Urozhai, 1963. 145 p. [MICROFILM]
- TSYKINA, A. V. [Designing of transistor amplifiers] Projektirovaniye tranzistornykh usilitelei. Moskva, Svyaz', 1965. 157 p.
- TSYTOVICH, N. A. [Theory and practice of foundation construction; results of the Fifth International Congress on Soil Mechanics and Foundation Construction] Teoriya i praktika fundamostroeniya, k itogam V Mezhdunarodnogo kongressa po mekhanike gruntov i fundamostroeniya. Moskva, Stroiizdat, 1964. 92 p.
- TURYSHIEV, B. F. [Substations and networks on mine surfaces, lecture course for students studying "Electrical engineering for mines"] Podstantitsii i seti na poverkhnosti i udnikov; kurs lektsii dlya studentov spetsial'nosti "Gornaya elektromekhanika." [Sverdlovsk] Sverdlovskoe knizhnoye izd-vo, Pt. 1. [General problems on power supply for mining enterprises] Obshchie voprosy elektrosnabzheniya gornyykh predpriyatiy. 1961. 130 p.
- UGAI, I. A. [Introduction to the chemistry of semiconductor] Vvedeniye v khimiyu poluprovodnikov. Moskva, Vysshaya shkola, 1965. 333 p.
- UKHOV, N. N., and A. A. SHIBANOV. [Reliable and durable] Nadezhno, dolgovechno. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoye v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 10)
- UKRAINSKII GOSUDARSTVENNYI INSTITUT PROEKTIROVANIYA GORODOV. [Transportation and engineering facilities of cities, an aid to designers] Transport i inzhenernoye oborudovaniye gorodov, v pomoshch' proektirovshchiku. Kiev, Budvel'nyk, 1964. 100 p. [MICROFILM]
- ULITSKII, I. I., and S. V. KIRKEVA. [Contraction and creep of concrete prepared by plants] Uсадка i pol'zhest' betonov zavodskogo izgotovleniya. Kiev, Budvel'nyk, 1965. 106 p.
- VARGIN, V. V., ed. [Technology of enamels and the enameling of metals] Tekhnologiya email i emailirovaniya metallov. [By] V. V. Vargin i dr., Izd. 2., dop. i ispr. Moskva, Stroizdat, 1965. 315 p.
- VASIL'EV, V. V. [Use of ultrasound in analytical chemistry, a report presented at the meeting of the Section of Ultrasound of the Leningrad House of Scientific and Technical Propaganda held January 13, 1964] Primeneniye ultrazvuka v analiticheskoi khimii, doklad na zasedanii sektsii ultrazvuka Leningradskogo Doma nauchno-tekhnicheskoi propagandy 13 yanvarya 1964 g. Leningrad, 1965. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen nauchno-tekhnicheskimi opytom. Seriya: Elektrofizicheskie i elektrokhimicheskie metody obrabotki metallov)
- VEKSLER, V. M., A. M. IGNATOVICH, and T. I. MUKHA. [Loading and unloading, hoisting and conveying machinery] Pogruzochno-vzvodnykhnyye i pod'emno-transportnyye mashiny. Moskva, VZHT. Pt. 2. Ignatovich, A. M., ed. [Conveying machinery, manual for students of the fourth year specializing in transportation and rail construction, and of the fifth year specializing in building materials] Transportnyye mashiny. Obmen nauchno-tekhnicheskimi opytom. Seriya: Elektrofizicheskie i elektrokhimicheskie metody obrabotki metallov. 1964. 137 p. [MICROFILM]
- VETLUGIN, F. G. [Reconditioning damaged motor-vehicle frames by electric welding] Vostanovleniye povrezhdennykh avtomobil'nykh ram elektri udugovoi svarkoi. Alma-Ata, Kazakhskii nauchno-issl. i inzhener. in-t avtomobil'nogo transp., 1961. 33 p. [MICROFILM]
- VINOGRADSKII, V. F. [Vacuum plating of scanning parts in continuous multiple-line processing on automatic lines] Vakuumnoye bazirovaniye beskontaknykh dotolok pri mnogopolosnom spirobo obrabotki na avtomaticheskikh liniyakh. Moskva, TSentr nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevobrabatывaushchei promyshl. i lesnomu khoz. , 1964. 23 p. (Derevobrabotka) [MICROFILM]
- VITSENT, E. M. [Cumulative perforators used in oil and gas wells] Kumulyativnye perforatory, primeneniye v nefitanykh i gazovykh skvazhinakh. Moskva, Nedra, 1965. 130 p.
- VLASOV, E. M. [Microphotocopying of scientific and patent and technical information] Mikrofotozhivaniye v nauchnoi i patentno-tekhnicheskoi informatsii. Leningrad, 1965. 34 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Organizatsiya propagandy nauchno-tekhnicheskogo i proizvodstvennogo opyta.)
- VOINOV, A. N. [Combustion processes in high-speed piston engines, fundamentals of the theory of combustion] Protessy sgovaniya v vysokoskorostnykh porshnevnykh dvigatelakh; osnovy teorii goreniya. Moskva, Mashinostroenie, 1965. 211 p.
- VOLKOV, V. G. [Curing freshly laid concrete with the aid of film-forming materials] Ukhod za svezheulozhennym betonom s pomoshch'yu plenokobrazovushchikh materialov. Pod red. S. V. Shestoporova. [n. p.] Rosvuzizdat, 1963. 12 p. [MICROFILM]
- VOROB'EV, A. A. [Disruption of the electrical strength of dielectrics and their breakdown] Naishechnye elektrichesko prochnosti dielektrikov i ikh probol. Tomsk, Izd-vo Tomskogo univ., 1962. 108 p. [MICROFILM]
- VORONKOV, S. T., D. Z. ISEROV, and S. P. KAMENETSKII. [Heat insulation in electric power plants] Teploizolatsiya na elekticheskikh stantsiyakh. Izd. 2., perer. i dop. Pod red. S. P. Kamenetskogo. Moskva, Energiya, 1965. 471 p.
- VORONTSOV, L. N. [Photoelectric systems of control of linear magnitudes] Fotoelektricheskie sistemy kontrolya lineynykh velichin. Moskva, Mashinostroenie, 1965. 235 p.

- VOSTOKOV, A. I. [Modern standard equipment for the boiling, crystallization and bleaching of masscuite in beet sugar manufacture] Sovetskoye tipovoe oborudovanie dlya varki, kristallizatsii i probelki ufelei v svetskoyakhkhnom proizvodstve, Moskva, TSentr in-t nauchno-tekhn. informatsii po avtomatizatsii mashinostroyeniya, 1964, 86 p. (OS-XVII Seriya: Oborudovanie dlya pishchevoi promyshlennosti) [MICROFILM]
- VSESOIUZNAIA KONFERENTSIYA PO PROBLEMAM USTOICHIVOSTI V STROITEL'NOY MEKHANIKE, Moskva, 1963. [Problems of stability in structural mechanics, transactions] Problemy ustoychivosti v stroitel'noy mekhanike, trudy, Moskva, Stroizdat, 1965, 471 p.
- VSESOIUZNOE KHIMICHESKOE OBSHCHESTVO IM. D. I. MENDELEEVA. TSentral'noe i Moskovskoe pravleniye. [Improving the quality of clay building bricks] Ulichshenie kachestva glinianogo stroitel'nogo kirpicha, Moskva, Legkaya Industriya, 1961, 146 p. [MICROFILM]
- VSESOIUZNYI NAUCHNO-ISSLEDOVATELSKIY INSTITUT TORFA. [Overall utilization of peat] Kompleksnoe ispol'zovanie torfa, Moskva, Nedra, 1965, 287 p.
- [WOOD, PAPER, AND CARDBOARD CONTAINERS AND AUXILIARY MATERIALS] Tsa i derevinnaya, bumazhnaya, kartonnaya i vspomogatel'nye materialy. Izd. ofitsial'naya. Moskva, Izd-vo Standartov, 1965, 451 p. (SSSR Gosudarstvennyye standarty)
- ZAGORSKIY, F. N. Vladimir Seigreevich Knabba, 1840-1914. Moskva, Nauka, 1965, 89 p.
- ZAKHAROV, A. T. [Flow lines during deep drawing] Polosy tekuchesti pri shtampovke-vytlazhke, Moskva, Mashinostroyeniye, 1965, 68 p.
- ZAKHAROV, E. S., S. V. FAL'KOVSKIY, and V. M. VIGANSKIY. [Experience in the installation and adjustment of steamplugs in blocks with 150 and 200 Mw ratings] Iz opyta montazha i naladki paroprovodov blokov moshchnost'yu 150 i 200 Mvt. Moskva, Buro tekhn. informatsii, 1964, 36 p. [MICROFILM]
- ZAKHAROV, V. P. [Heat treatment of castings] Termicheskaya obrabotka otlivok. Pod red. L. M. Volplan-skogo. Moskva, Mashinostroyeniye, 1965, 40 p. (Nauchno-populjarnaya biblioteka rabochego-litel'shtva)
- ZAKHIVATKIN, E. V., and V. I. NAUMOV. [Semiautomatic and automatic welding in an atmosphere of carbon dioxide; from practices of the Ural Automobile Plant] Poluavtomaticheskaya i avtomaticheskaya svara v srede uglekislogo gaza, iz opyta Ural'skogo avtomobil'nogo zavoda [Cheliabinsk] Izd-vo Ural'skoye knizhnoe izd-vo, 1964, 49 p.
- ZAMARIN, E. A., and V. V. FANDEEV. [Hydraulic engineering structures] Gidrotekhnicheskiye sooruzheniya, 5. izd. Moskva, Kolos, 1965, 622 p. (Uchebnyy i uchebnyy posobie dlya vysshikh spetsial'no-khozhaystvennykh uchebnykh zavodov)
- ZARETSKIY, L. M. [Technical mechanics, a textbook] Tekhnicheskaya mekhanika, uchebnoe posobie, Moskva, Prosveshcheniye, 1965, 286 p.
- ZEMLEGLADOV, K. G., and T. A. SEMENOVA. [Efficient ways of introducing the multiple machining method based on the standardization of parts and billets] Effektivnyye puti vnedreniya metoda gruppovoy obrabotki na osnove unifikatsii detalей i zagotovok. Leningrad, 1965, 42 p. (Leningradskiy dom nauchno-tekhnicheskoy propagnandy. Proizvodstvennyy opyt. Seriya: Mekhanicheskaya obrabotka metallov)
- ZERNOV, N. V., and V. G. KARPOV. [Theory of radio circuits] Teoriya radiotekhnicheskikh tspelei, Moskva, Energiya, 1965, 691 p.
- ZHUKOV, A. V. [Trolley conveyor for preparing reinforced concrete products; practices of plants manufacturing reinforced concrete products in the Donets Economic Region of the Ukraine] Tetezhechnyy konveior dlya izgotovleniya zhelezobetonnykh izdelii; opyt zavodov zhelezobetonnykh izdelii Donetskogo ekonomicheskogo raiona Ukrainskoi SSR, Moskva, Stroizdat, 1964, 24 p. [MICROFILM]
- ZHUKOV, N. A., and others. [Centralized repair of hydraulic systems, work practice of the Milhalov Regional Association "Sel'khoztekhnika" of Ryazan Province] TSentralizovannyi remont gidrosistem, opyt raboty Milhalovskogo raionnogo ob'edineniya "Sel'khoztekhnika" Ryzanskoy oblasti, Moskva, Buro tekhn. informatsii, 1964, 14 p. (Peredovoy opyt i poduzheniya, Seriya 1. Remont mashinnotaktornogo parka)
- ZHURAVLEV, S. A., and A. SH. SHIFRIN. [Fundamentals of milling and the cutting conditions] Osnovy frezerovaniya i rezhimy rezaniya. Pod red. S. A. Zhuravleva. Moskva, Mashinostroyeniye, 1964, 150 p. (Biblioteka frezerovshchika, no. 1)
- ZHURAVLEV, S. A., and A. SH. SHIFRIN. [Milling cutters] Frezery. Pod red. S. A. Zhuravleva. Moskva, Mashinostroyeniye, 1964, 125 p. (Biblioteka frezerovshchika, no. 2)
- ZIATIN, N. A., and N. I. KOSTROVITSKIY. [Electric welding of rails on street railroad tracks] Elektrovanaya svarka rel'sov v putjakh tramvaya. Moskva, Stroizdat, 1965, 33 p.
- ZINOV'EV, A. I. A. [New types of joints for precast reinforced concrete and mesh-reinforced concrete elements] Novye vidy soedineniy sbornyykh zhelezobetonnykh i armirovannykh konstruktii. Leningrad, 1965, 25 p. (Leningradskiy dom nauchno-tekhnicheskoy propagnandy. Obmen perezodovym opytom. Seriya: Stroitel'nye materialy i konstruktii)
- ZOLOTOV, B. V. [Arc furnaces. Electric characteristics of arc furnaces, summary of lectures] Dugovyye pechi. Elektricheskiye kharakteristiki dugovykh pechei, konspekt lektsii. Red. M. I. A. Smelanskii. Moskva, Mosknenergeticheskii in-t, 1964, 114 p.
- ZUBAREV, V. N., and A. A. ALEKSANDROV. [Practical work in engineering thermodynamics] Praktikum po tekhnicheskoy termodynamike. Pod red. M. P. Vukalovicha. Moskva, Energiya, 1965, 295 p.
- ZUDILIN, V. I. [Automatic geared-dial band strip feeding from stock to die] Zubehato-diskovaya avtomaticheskaya podacha lent i polos iz stopy v shtamp. Leningrad, 1965, 8 p. (Leningradskiy dom nauchno-tekhnicheskoy propagnandy. Peredovoy proizvodstvennyy opyt. Seriya: Goriachaya i kholodnaya obrabotka metallov davleniem)
- ZYTNER, D. I. A., and A. I. A. KIRIACHEK. [Automated control of the electric drives of continuous-line systems] Avtomatizirovannoye upravleniye elektroprivodami potочно-transportnykh sistem. Moskva, Energiya, 1965, 207 p.

## 17. MILITARY & NAVAL SCIENCES

- AKADEMIYA NAUK SSSR. Sibirskoye otdeleniye. Sibirskiy nauchno-issledovatel'skiy institut energetiki [Use of the rivers of the Ob'-Irtys' basin for transportation] Transportnoe ispol'zovanie rek Ob'-Irtyskogo basseina. Novosibirsk, Red. izd. otdel Sibirskogo otdela AN SSSR, 1965, 90 p.
- ALIAB'EV, M. I. [General theory of electric machinery on ships] Obshchaya teoriya sudovykh elektricheskikh mashin. Leningrad, Sudostroyeniye, 1965, 390 p.
- CHERNIEV, L. F., ed. [Collection of problems in nautical astronomy] Zadachniki po morekhodnoy astinomii. [By] L. F. Cherniev i dr. Moskva, Transport, 1964, 338 p.
- DAVYDOV, V. V., and N. V. MATTES. [Dynamic strength calculations of ship structures] Dinamicheskiye raschety prochnosti sudovykh konstruktii. Izd. 2, pererab. dop. Moskva, Transport, 1965, 318 p.
- EFIM'EV, N. N. [Principles of the theory of submarine boats] Osnovy teorii podvodnykh lodok. Moskva, Voenizdat, 1965, 381 p.
- EL'TSOV, S. P., and T. N. NOVIKOV, comps. [Handbook on safety measures in the merchant marine; general considerations] Spravochnik po okhrane truda na morskoy transporte, obshchie polozenia. Moskva, Transport, 1965, 466 p.
- GORSIKOV, L. M. [Simplest shelters for protection from weapons of mass destruction] Prostoyshie ukrytiya dlya zashchity ot oruzhiya massovogo porazheniya. Moskva, DOSAAF, 1965, 47 p. (Naseleniye o grazhdanskoy oborone)

- ISKRA, E. V., E. P. KUTSEVALOVA, and B. P. FAVOROV. [Painting operations in shipbuilding] Mal'nyye raboty v sudostroyeniye. Leningrad, Sudostroyeniye, 1965, 237 p.
- IVANOV, M. E., and V. V. KVOKSHA. [Power supply sources of electric and radio navigation devices] Istochniki pitaniya elektroradiolavichnykh priborov. Moskva, Transport, 1965, 218 p.
- KATSITADZE, V. F. [Military hygiene, Voennaya gigiyena. Tbilisi, Izd-vo "Tsodna." 1964, 122 p. [In Georgian]
- KLIATSKIN, S. M. [In defense of the Great October, organization of the regular army and the militia building in the Soviet Republic, 1917-1920] Na zashchite Otkubra, organizatsiya reguliarnoy armii i militsionnoy stroitel'stvo v Sovetskoy Respublike, 1917-1920. Moskva, Nauka, 1965, 474 p.
- KOKICHEV, V. N. [Noncircular joints in marine engineering] Nekruglyye soedineniya v sudovom mashinostroyeniye. Leningrad, Sudostroyeniye, 1965, 110 p.
- KUZ'MIN, M. K. [Medic Heroes of the Soviet Union] Mediki - Geroi Sovetskogo Soyuza, Moskva, Meditsina, 1965, 95 p.
- KUZNETSOV, A. I. [Heroes do not die] Geroy ne umirayut. Pod red. A. P. Kitanitsy. Alma-Ata, Kazakhskoye gos. izd-vo, 1963, 167 p. illus., maps. (NCC)
- [LARGE REFRIGERATOR TRAWLER IN THE NORTH-WESTERN ATLANTIC] BMRT v Severo-Zapadnoy Atlantike. [Murmansk] Murmanskoye knizhnoe izd-vo, 1964, 30 p. (Biblioteka promyshlennosti) [MICROFILM]
- MAL'TS, L. U. [Testing marine piston hydraulic transmission gear (with controllable pumps)] Ispytaniya sudovykh porshnevnykh gidravlicheskikh pechei (s reguliruemym nasosami). Leningrad, Sudostroyeniye, 1965, 151 p.
- NIKOLAEV, V. I. [Control of marine power plant installations] Kontrol' raboty sudovykh energeticheskikh ustanovok. Leningrad, Sudostroyeniye, Pt. 1. [Elements of the theory] Elementy teorii. 1965, 239 p.
- NORNEVSKIY, B. I., and I. A. TARATYNOV. [Electrical equipment of ship and shore stations and substations] Elektricheskoye oborudovanie beregovykh i sudovykh stantsii i podstantsii. Moskva, Transport, 1965, 334 p.
- SAMCHUK, I. A. [Poltava Guards Division, a short sketch of the combat record of the 97th Poltava Guards Red Banner Rifle Division decorated with the Orders of Suvorov and Bohdan Khmel'nits'kiy] Gvardeyskaya Poltavskaya, khatki ochei k boevom puti 97-i gvardeyskoy Poltavskoy Krasnoznamennoy ordenov Suvorova i Bogdana Khmel'nitskogo strelkovoy divizii. Moskva, Voenizdat, 1965, 150 p.
- SAVIN, N. I. [Planning the work of a ship] Planirovaniye raboty sudna. Vladivostok [Primorskoye knizhnoe izd-vo] 1960, 98 p. [MICROFILM]
- SURIKOV, B. T. [Combat use of rockets] Boevoye primeneniye raket. Moskva, Voenizdat, 1965, 182 p.
- TIKHOMIROV, N. A. [Theory and equipment of a ship for inland navigation] Teoriya i ustroystvo sudna vnutrennego plovaniya. Moskva, Transport, 1965, 273 p.
- TRESHCHEV, I. I. [Asymmetrical operating modes of a. c. machines of ships] Nsimmetrichnyye rezhimy sudovykh mashin peremennogo toka. Leningrad, Sudostroyeniye, 1965, 247 p.
- VASIL'EV, A. V., and V. I. BELOGLAZOV. [Using low speed steering devices] Ispol'zovanie podruvalushchikh ustroystv. Moskva, Transport, 1965, 65 p.
- VASIL'EV, N. N. [Marine power plants; standard diagrams and composition] Sudovyye silovyye ustanovki; tipovyye skhemy i sostav. Moskva, Transport, 1965, 115 p.
- ZOLOTAREV, V. I., and B. A. RIMASHEVSKIY. [In-chevsk sea port] Pichevskiy morskoy port. Moskva, Transport, 1964, 64 p.

## PART B—PERIODICALS

An asterisk (\*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

### 1. GENERAL

#### ■ SCHOLARLY JOURNALS

AKADEMIA NAUK ARMIAŃSKOI SSR, Erivan, *Izvestiya. Obshchestvennye nauki* [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin, Social Sciences], Erivan, no. 3, 1965.

Table of contents translated  
Agalov, Ed. B. - Manuk Abeghian's linguistic legacy, p. 3.

Arutunian, A. Sh. - Problems in the study of the history of the First World War, p. 19.  
Nazarian, S. S. - The life and work of Tigran Nazarian, p. 35.

Dzhaugian, G. B. - New Urartian and Indo-European parallels, p. 45.  
Sarkisian, G. Kh. - Armenia in the second century B.C., p. 57.

Saakian, R. G. - Documents of the Young Turk Committee on the genocide of the Western Armenians, 1915-1916, p. 73.  
Dilorian, V. A. - A new document on Israel Orlik, p. 87.

Odabashian, A. A. - Some survivals of the Christian New Year celebrations, p. 91.  
Tevosian, A. - A recognized philosopher and scholar. 60th anniversary of V. K. Chalopian's birth, p. 103.  
Gevorj Arshakovich Abov, an obituary, p. 105.  
Amazasp Asaturovich Ambarsumian, p. 107.  
General meeting of the Academy of Sciences of the Armenian S.S.R., p. 108.

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis, *Soobshcheniya* [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Reports], Tiflis, vol. 28, no. 5, May 1962.

Table of contents translated  
Dzhishkariani, A. V. - Rate of convergence of the Ritz method of eigenvalues of differential operators, p. 513.

Bakadze, D. O. - Homology groups relative to a pair of groups of coefficients from the axiomatic point of view, p. 521.

Kaminskii, V. A. - Distillation under nonadiabatic conditions, p. 529.

Okromchedidze, N. P. - Kinetics of adsorption and desorption of tetralin and decalin on silica gels of various porous structures, p. 535.

Kobakhidze, E. D. - Types of populated localities in Eastern Kavkazian, p. 541.

Lobzhanidze, G. P. - Age of Super-Orion sediments in the Tsipa region, p. 547.

Melikian, A. A. - Experimental investigation of soil pressure on an underground structure subjected to static and dynamic actions, p. 553.

Muchadze, A. N. - Effect of intermittent control on the stability of operating conditions of a piston engine, p. 561.

Karbelashvili, O. D. - Determining the economic loss resulting from over-fertilization, p. 567.

Chkhaveridze, Sh. K. - Some problems of tomato cultivation practices, p. 575.

Kavteladze, B. M. - Study of the natural radioactivity of some soils and plants in the Georgian S.S.R., p. 583.

Timofeeva, T. V. - Study of parasitic whiteflies in Adzharia, p. 587.

Chkhaidze, L. V. - Effect of changes in the gravitational field on the coordination of voluntary movements of man, p. 593.

Kirkvella, I. R. - Reflex activity of the spinal cord following stimulation of the posterior columns, p. 601.

Ugulava, I. G. - Effectiveness of the treatment of chronic colitis by submerged lavage of the large intestine with Tskhaltubo mineral water, p. 601.

Dvali, L. G. - Foreign bodies in the esophagus, p. 613.

Patarikashvili, N. M. - Pathogenesis and clinical treatment of relapses of typhoid and paratyphoid fever, p. 621.

Magomedov, A. A. - Declension of interrogatory and reflexive pronouns in Tabasaran, p. 629.

Puplashvili, P. M. - Eye and lip covers and the "funeral wreath" for those buried with the deceased, p. 637.

Vol. 29, no. 1, July, 1962.

Table of contents translated  
Sulhamishvili, G. I. - Use of the method of differences in solving a generalized Riquier problem, p. 3.

Zonenashvili, I. A. - Solution of the fundamental boundary value problems in the two-dimensional theory of elasticity, p. 9.

Grigor'ev, I. G. - Operating experience with a multi-channel spectrophotometric apparatus for recording radiations from alkaline elements in flame, p. 17.

Lashkhi, D. A. - Comparative study of the accelerated perchlorate and the spectrophotometric method for determining the content of potassium in minerals, p. 25.

Dvalishvili, E. S. - Change in the blood sugar level following overeating by patients with gastric hyperacidity, p. 31.

Agladze, R. I., Lezhava, T. I. - Production of graphite and electrolytic iron in the anodic dissolution of cast iron, p. 39.

Chachanidze, G. D. - Crystallization of calcium nitrate salts, p. 45.

TSkhovrebashvili, Sh. A. - Denudation surfaces of the northern slope of the Adzhar-Imeret Range, p. 53.

Sekhinashvili, E. A. - Deformation flexures, bending moments and intersecting forces for bent components of variable rigidity, p. 59.

Asatiani, D. I. - Effect of electric power losses in rails on the selection of the economic parameters of traction current supply, p. 67.

Kvaratskheli, N. T., Gambashidze, K. K., Dzhaikel, M. E. - Effect of graminaceous and leguminous grass mixtures and organic fertilizers on the microbiological processes in subtropical Podzolic soils, p. 73.

Kadzhala, G. Sh. - Fauna of Tyroglyphoidea (Acarina) in the subtropical zone of the Adzhar A.S.S.R., p. 81.

Nozadze, L. G. - Zoobenthos in the Starorech'ye Pond "A" of the Dzhanan Fish Farm, p. 87.

Atanelishvili, E. V. - Functional state of the central nervous system in patients with stomach and duodenal ulcers and its changes resulting from treatment in the Likani Sanatorium, p. 95.

Solopov, B. P. - Correlation between the regeneration of parenchymal elements and the state of the connective tissue, p. 101.

Petriashvili, N. B. - Effect of mechanical stimulation of the duodenal mucosa on the composition of the peripheral blood and bone marrow, p. 107.

Ugulava, I. G. - Effect of submerged lavage of the large intestine with Tskhaltubo mineral water on the cardiovascular system under normal and pathological conditions, p. 115.

Dzhalabazde, G. V. - Old Georgian plowing equipment, p. 121.

Vol. 37, no. 3, Mar. 1965.

Table of contents translated:  
Topuria, S. B. - Singular double integrals extended over an infinite two-dimensional region, p. 513.

Gordadze, F. G. - Singular integrals with Cauchy kernels, p. 521.

Shefer, Gidon. - Approximate solution of the fundamental biharmonic problem, p. 527.

Paatshvili, L. A. - Approximate solution of a general conjugation problem occurring among the diffraction problems, p. 535.

Kovanishvili, G. Sh., Zhgenti, T. G. - Analysis of the performance of a self-oscillator operating on a tunnel diode at various temperatures, p. 543.

Namichishvili, O. M., Beblashvili, Sh., L. - Some problems in optimum reservation theory, p. 551.

Kirvaldze, I. D., Makhatadze, I. L. - Method for measuring the microhardness of silicon single crystals, p. 559.

Khetsuriani, TS.S. - Variation of the contours of lines of the Paschen series of hydrogen in the solar spectrum, p. 563.

Gogvadze, V. P., and others. - Solubility of hydroxyamine sulfate in cyclohexanone and the separation of the cyclohexanone oxime complex system, p. 567.

Kakhnashvili, A. I., Buglanishvili, D. I., Macharadze, R. - Condensation of phenols with acetylenic  $\gamma$ -glycols in the presence of phosphoric acid, p. 573.

TSagareishvili, D. Sh., Gvolesiani, G. G. - Rapid method of calculating the high-temperature heat capacities of solid inorganic compounds, p. 581.

Bekuchava, M. A., Pruidze, G. N. - Green quick-soluble dry tea concentrate from a raw material, p. 587.

Ionatamishvili, T. V., Nachkobi, TS.S. - Process of sorption of nickel and cobalt cations by anion-exchange resins, p. 595.

Dangadze, N. D., Kakabadze, V. M. - Effect of the compacting of coal charges on the coking capacity, p. 603.

Vladimirov, L. A. - Methods for the compilation of the water budget in Georgia, p. 611.

Iosebidge, D. G. - Morphological and ecological characteristics of Upper Jurassic brachiopods in western Abkhazia, p. 617.

Topchishvili, M. V. - Age of the Liassic terrigenous series in the southern periphery of the Dzirula Massif, p. 623.

Sanadze, I. A. - Studies in the sulfate resistance of Portland cement, p. 627.

Banelishvili, A. Z. - Errors of traversing steps and their vector analysis, p. 635.

Tavadze, F. N., Kherodimashvili, Z. Sh. - Device for heating readily oxidizing materials in a vacuum, p. 643.

Buchidze, V. - Results of the study of a gas combustion process in low-pressure injection burners, p. 645.

Ratiani, G. V., Avaliani, D. I. - Number of active steam formation centers and critical thermal loads in the ebullition of some organic liquids in a large volume, p. 653.

Kobakhidze, L. A. - Embryology of *Lilium szovitsianum* Fisch. et Lal., p. 661.

Kebadze, Z. G. - Grove of the Tertiary relict poplar *Populus trancaucasica* A. Nrm. in the Vashlovani Preserve, p. 669.

Gurulishvili, K. V. - Reduction of poorly field ears in corn, p. 673.

Guizhbidze, M. G. - Materials on inventing the fauna of Sarcophaginae (Diptera, Sarcophagidae) in Georgia, p. 681.

Gegenava, G. V. - Quantitative evaluation of the phytotoxicity of pesticides, p. 685.

TSilosani, G. A. - Radioactive sulfur effect on some biological properties of the wild fire of tobacco *Pseudomonas tabaci* (Wold et Foster) Stevens, p. 693.

Tokhadze, T. L. - Histochemical characteristics of glycogen in cancerous tumors of the larynx, p. 701.

Kadzhala, D. V., Narkashvili, S. P. - Interrelationship between the cerebral cortex and thalamic transmission nuclei, p. 709.

Khutishvili, T. S. - Auriculomyocardiotomy as a means of revascularization of the heart, p. 717.

Burdzhanidze, O. I., Chkhartishvili, N. S., Ioseliani, G. D. - Use of ethyl chloride for artificial cardiac arrest, p. 725.

Berodze, N. M. - Polyphlebography in urinary bladder tumors, p. 729.

Zhordanila, IU.D. - Activity of some transaminases in the blood serum in weak labor, p. 737.

Khintibidze, E. G. - One peculiarity of Erem Mtsire's translation method, p. 746.

AKADEMIA NAUK KAZAKHNSKOI SSR, Alma-Ata, Vestnik [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Journal], Alma-Ata, vol. 21, no. 3(240), Mar. 1965.

Table of contents translated:  
Opening speech of the President of the Academy of Sciences of the Kazakh S.S.R., Academician Sh. Ch. Chokin at the general assembly of the Academy of Sciences of the Kazakh S.S.R., Jan. 26, 1965.

Zhilinski, G. B. - Principal results of the scientific activity of the Academy of Sciences of the Kazakh S.S.R. in 1964 and its future tasks; report of the Academic Secretary of the Presidium of the Academy of Sciences of the Kazakh S.S.R., Doctor of Geological and Mineralogical Sciences, Academician, p. 9.

Discussion of reports and decisions on organizational problems, p. 18.

- t the general sessions of the Departments of the Academy of Sciences of the Kazakh S.S.R. p. 24.
- Zhumatov, Kh. Zh. - Recent data on the molecular structure of viuses. p. 28.
- Balshev, S. B., Checheleva, T. V. - Economic development of Kazakhstan during the period of the establishment of the material and technical bases of communism. p. 40.
- Kuz'min, V. P. - Development of the breeding of grain crops in the Virgin Territory. p. 52.
- Idlis, G. M. - Dynamics of stellar systems. p. 60.
- Kosherbaev, K. T., Sokolov, M. A. - Effect of sulfur dioxide on the floatability of sulfide ores. p. 66.
- Ivanov, V. A. - On a universal characteristics of porous media. p. 72.
- Esenov, Kh. M. - Distributive analysis of complex sentences in the Kazakh language. p. 76.
- Enikeeva, K. Sh. - Effect of electroluminescence on the dielectric properties of ZnS-electroluminescent phosphors. p. 85.
- Filiatova, L. A. - Effect of preparations derived from Fischer's aconite on the electroencephalogram of animals. p. 92.

Vol. 21, no. 4(241), Apr. 1965.

- Table of contents translated:
- Lenin's principles in the development of Soviet science. p. 3.
- Nusupbekov, A. N. - At the sources of a great friendship of peoples. p. 10.
- Mulanov, Sabit - Chokan Vatikanov's literary views. p. 15.
- Tulebaev, T. - State budget and its role in the distribution of the national income of the Republic. p. 34.
- Bilchovskii, A. D. - Some characteristics of changes in the petroleum of the southern Emba region. p. 44.
- Aitmov, Z. - Role of the press in the dissemination and introduction of advanced practices in agriculture (1961-1964). p. 65.
- Kozhakhmetov, S. M., and others. - Volatilization rate of lead sulfide in the atmosphere in various gases at  $900^{\circ} \pm 1400^{\circ}\text{C}$ . p. 84.
- Sokol'skii, D. V., Belskov, K. Z. - Hydrogenation of cinnamaldehyde on a nickel catalyst in the presence of pyridine and mercury. p. 71.
- Bitev, N. - On the existence of analytical solutions to a degenerating elliptic system. p. 74.
- Alliarov, B. K., Sakplov, Z., Larin, L. P. - Some characteristics of flow along highly rough surfaces. p. 80.
- Brovar, I. M. - Methodology of studying the geological structure of salt domes in the Volga-Ural intertuff. p. 85.

AKADEMIYA NAUK MOLDAVSKOI SSR, Izvestiia [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin]. Kishinev, no. 8, 1963, Department of Natural and Technical Sciences.

- Table of contents translated:
- Edel'shtein, A. Ia., Plavnik, G. I. - Role of the dynamics of underground waters in the formation and disintegration of gas and oil pools. p. 3.
- Panchenko, D. E. - Conditions governing the formation of the Valeny oil pool and the problem of the gas potential of Neogene sediments in the southern part of the Prut-Dniester intertuff. p. 18.
- Polukhtovich, B. M. - Jurassic sediments in the western part of the cis-Dobruja trough. p. 30.
- Vznuzdaev, S. T., Demchenko, R. V. - Regionalization of artesian waters in Moldavia for the purpose of their utilization for irrigation. p. 40.
- Murzaev, P. M., Klubka, A. N. - Clay minerals of Lower Sarmatian arenaceous sediments in the northern part of the Moldavian S.S.R. p. 53.
- Murzaev, P. M., Klubka, A. N. - Glauconite and montmorillonite of Lower Sarmatian arenaceous sediments in the northeastern part of the Moldavian S.S.R. p. 75.
- Vznuzdaev, S. T. - Karst phenomena in Moldavia. p. 85.

No. 10, 1963.

- Table of contents translated:
- Kholodenko, B. G. - Some biological characteristics of the purple-leaf form of the common barberry (*Berberis vulgaris* L. f. *atropurpurea* Rgl.). p. 3.
- Leont'ev, P. V. - Landscaping and leveling principles in planning exhibitions at the Botanical Garden of the Academy of Sciences of the Moldavian S.S.R. in Kishinev. p. 13.
- Kosmodamianskaya, M. M. - Formation of shoots of the common ryegrass (*Lolium perenne* L.) as affected by mowing used in the development of lawns. p. 30.
- Rudenko, I. S. - Morphogenesis of the blossom of quince. p. 35.
- Mafienko, B. T. - Anatomy of the fruit of Benincasa Savi and its similarity with the anatomy of fruits of gourd and melon. p. 43.

- Nestereiko, V. G. - Seed germination in perennial flowering plants. p. 54.
- Sokol'nikova, T. A. - New forms of winter garden and field peas in Moldavia. p. 60.
- Pozharisskaya, L. P. - Underscoring white sweet clover in a grass sod. p. 73.
- Tkachenko, A. I., Nikolaeva, L. P. - New occurrences of alder in Moldavia. p. 84.

No 12, 1963 Social sciences series

- Table of contents translated:
- Chervinskii, V. F. - Basis for the distribution, specialization, and the comprehensive development of the economy of the Moldavian S.S.R. p. 3.
- Bortnikov, V. B. - Ways to improve the indices of capital construction in the Moldavian S.S.R. p. 12.
- Ton, D. S., Manza, A. P. - Material incentives for increasing the efficiency of production in industry. p. 28.
- Popov, A. L. - Intensification of production while conducting the reconstruction of grape planting on the "Brintsa" Collective Farm. p. 46.
- Kiklich, S. - Mechanization of production processes and the increase of labor productivity in the meat industry of Moldavia. p. 58.

AKADEMIYA NAUK SSSR, Sakhalinskii kompleksnyi nauchno-issledovatel'skii institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Sakhalin General Scientific Research Institute, Transactions]. Yuzhno-Sakhalinsk, no. 14, 1963.

- Table of contents translated:
- Perel'shin, S. D., Toront'ov, P. V. - Materials on herpetofauna of Sakhalin and the Kurile Islands. p. 3.
- Voronov, V. G. - Terrestrial game animals and their distribution on the Kurile Islands. p. 30.
- Lavov, M. A., Voronov, V. G., Evdokimov, E. I. - Game mammals of the Paramushir and Shumshu Islands and possibilities for the increase in their numbers. p. 39.
- Voronov, V. G., Voronov, G. A. - New data on the distribution of sable in Sakhalin Province. p. 48.
- Nikolaev, A. M., Skalkin, V. A. - Feeding habits of Kurile sea otters. p. 54.
- Voronov, V. G., Voronov, G. A. - Blue fox on the Ushishir Islands. p. 70.
- Voronov, V. G., Neverova, T. I. - Occurrence of water shrew on Sakhalin. p. 82.
- Shmeleva, V. V. - Feeding habits of sables and foxes in some districts of Sakhalin Province. p. 83.
- Voronov, V. G., Neverova, T. I. - Distribution of long-tailed birch mouse on Sakhalin. p. 88.
- Starchikov, N. I. - First experiments on the application of Sakhalin growth promoting substances of petroleum origin in chicken farming. p. 88.

DIREKTORAT MEZHODUNARODNYKH NAUCHNYKH S'VEZDov, KONFERENTSIY I KONGRESSOV [BULLETIN OF INTERNATIONAL SCIENTIFIC MEETINGS, CONFERENCES, AND CONGRESSES]. Issued by Odel mezhodunarodnykh svyazey i informatsii Vsesoyuznogo instituta nauchnoi i tekhnicheskoi informatsii Akademii nauk SSSR [Department of International Relations and Information of the All-Union Institute of Scientific and Technical Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3(52)-4(53), 1965.

CHEREPOVETS, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies]. Vol. 3, no. 3, 1962.

- Table of contents translated:
- Segal, R. B. - Distribution of light ions in the air by their size. p. 3.
- Segal, R. B. - Comparison of the methods of "zero" and "mirror" backings in studying secondary electron emission from thin metallic films. p. 13.
- Paylov, A. I. - Deficiencies in presenting the concept of mass in physics textbooks and programs for secondary schools. p. 23.
- Paylov, A. I. - Method of studying the concept of mass in a secondary school physics course. p. 37.
- Feofilat'ev, V. A. - A book on geometry for teachers. p. 71.
- Postnov, A. A. - Manufacture of visual aids in geometry by school workshops. p. 79.

GROZNYI, CHECHENO-INGUSHSKII NAUCHNO-ISSLEDovatel'skii institut, Izvestiia, [CHECHENO-INGUSH RESEARCH INSTITUTE, Bulletin]. Vol. 3, no. 1, 1963.

- Table of contents translated:
- Loginaeva, M. S. - Experience of the Chechen-Ingush province party organization in improving the selection and education of propagandists, 1956-1961. p. 3.
- Salamov, A. A. - From the history of the interrelations of the Chechen and Ingush with Russia and the great Russian people; from the 16th century to the early 20th century. p. 22.

- Popov, A. G. - Socioeconomic development of the Chechen-Ingush village on the eve of the collectivization. p. 52.
- Shamilov, A. I. - Christianity among the Chechen and Ingush. p. 83.
- Shamilov, A. I. - Ways of the penetration of Islam among the Chechen and Ingush. p. 97.
- Chimit-Dorzhiev, Sh. B. - Documents on the uprising of the Kabardian and Chechen horsemen during the time of the Russo-Japanese War, 1904. p. 111.
- Gritsenko, N. P. - Registers of village families as an important source of the history of the Chechen-Ingush A.S.S.R. in the last quarter of the 19th century. p. 117.
- Islamov, A. A. - The problem of medieval sepulchral structures in the upper reaches of the Chantli-Argun River. p. 128.
- Vinogradov, V. B. - Sarmatian materials from the early excavations on the territory of the Chechen-Ingush A.S.S.R., collections of the State Historical Museum. p. 133.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA, Vestis, Izvestia Akademii nauk Latvieskoj SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Bulletin]. Riga, nos. 3(212)-4(213), 1965.

LENINGRAD, UNIVERSITET, Uchenye zapiski [UNIVERSITY, Studies]. No. 326, 1964. Seriya matematicheskikh nauk [Series in the Mathematical Sciences], no. 48. Trudy Astronomicheskoi observatorii [Transactions of the Astronomical Observatory], vol. 21.

- Table of contents translated:
- Nikitin, A. A. - Some spectral characteristics of ions contained in isoelectronic coronal sequences. Part 2. p. 3.
- Dombrovskii, V. A. - Spectrophotometric study of the eclipsing variable star YZ Cassiopeiæ. p. 13.
- Mel'nikov, O. A., and others - Solar limb effect in the shifts and intensities of Fraunhofer lines. p. 27.
- Movchan, V. N. - Polarimetric study of the nebula NGC 6523 and the open cluster NGC 6530. p. 44.
- Aslanov, I. A. - Dependence of the axial rotation velocity of the sun on the optical depth. p. 53.
- Kuli-Zade, D. M. - Contours of the strong Fraunhofer lines. p. 60.
- Bidenko, N. A. - Differential shifts of Fraunhofer lines. p. 71.
- Orlova, N. S. - Scattering indicators for some magnetic rocks. p. 74.
- Gagen-Torn, V. A. - Photographic polarimetry of Venus. p. 95.
- Lebedeva, I. I. - Experience gained in comparing lunar surfaces with certain volcanic coverings. p. 99.
- Agekjan, T. A., Anosova, Zh. P. - Number of unstable systems among triple stars and galaxies. p. 103.
- Kholoshevnikov, K. V. - Some properties of an expansion of the perturbation function of an axisymmetrical planet. p. 118.
- Catalog of the right ascensions of 488 stars in the Program of the Time Services of the U.S.S.R., observed in 1957-1960 with the Bamberg photoelectric transit instrument No. 11675. p. 127.
- Zagrebina, D. V. - Source of the systematic error occurring in determining the axial inclination of a transit instrument. p. 163.

LENINGRAD, UNIVERSITET, Vestnik [UNIVERSITY, Review]. Vol. 20, no. 7, 1965. Seriya matematiki, mekhaniki i astronomii [Series in Mathematics, Mechanics, and Astronomy], no. 2.

- Table of contents translated:
- Babich, V. M. - Estimation of a Green function for the Helmholtz equation in the shadow zone. p. 5.
- Verner, A. L. - Topological structure of complete surfaces of nonpositive curvature with a one-to-one spherical mapping. p. 16.
- Vinogradov, S. A. - Interpolation of power series absolutely converging on the boundary of the circle of convergence. p. 30.
- Gotuzina, E. G. - Range of values of certain systems of functionals in the class of typically real functions. p. 45.
- Kalinin, V. M. - Calculation of sums, integrals, and products. p. 63.
- Nikol'skii, N. K. - Invariant subspaces of certain perfectly continuous operators. p. 68.
- Aleshkov, I. U. Z. - Some problems involving the optimum motion of a point. p. 78.
- Balanin, B. A. - Effect of the size of the outlet on the conditions of flow in the Eiffel chamber of a supersonic wind tunnel. p. 87.
- Baush, G. - The problem of the piston in magneto-gas dynamics. p. 95.
- Zegzhda, S. A. - Longitudinal impact of a body against a rod allowing for local deformation. p. 106.
- Kotton, G. A. - Hypersonic flow of a nonviscous radiant gas past a cone. p. 118.
- Takabaev, M. K. - Optimization of a trajectory with allowance for motion around the mass center. p. 127.



- Buslavskii, V. G. - TiO absorption bands in spectra of M-stars p. 135
- Kirpichnikov, S. N. - Optimum flights with respect to energy making allowance for the effect of light pressure p. 144
- Balmain, B. A. - Propagation of a supersonic jet in a bounded space p. 157
- Ments, P. - An example of a set of characteristic zero. p. 159
- Novoselov, V. S. - Variation of the radius of a spherical droplet p. 163
- Malozemov, V. N. - Generalized differentiation of periodic functions. p. 164
- Vol 10, no. 8, 1965. Seriya Istoriya, Iazyka i Literatury [Series in History, Language, and Literature], no. 2. Table of contents translated
- Vinogradov, I. I. - Training workers for agriculture during the first years of the Great Patriotic War p. 5
- Shilov, L. A. - The creation and strengthening of the party organizations in higher educational institutions and their participation in the struggle for the political conquest of the higher schools during the first years of the Soviet regime, 1917-1921. p. 14
- Vokova, G. K. - The number and structure of the industrial proletariat of Western Siberia on the eve of the Great October Socialist Revolution. p. 25
- Nefedova, S. P. - From the history of the cultural development in the U.S.S.R., main stages of the cultural development in the Chukchi National Area. p. 39
- Shurbaev, B. A. - Progressive American historiography on the Cuban revolution. p. 46
- Beliavskii, V. A. - Symptoms of the crisis of the slavery system in the New Babylon, in the sixth century B.C. p. 54
- Cherveniak, A. - "Superfluous man" by I. S. Turgenev in the works of Svetozar Hruban Vajnskiy. p. 67
- Trofimkina, O. I. - Stepan Mitro: Lyubimaya, master of letters. p. 76
- Grigor'ev, V. P. - Remarks on the oldest lyric poetry of the Iberian Peninsula. p. 86
- Galerikina, B. L. - Function or aretology in the anti-religious satire of Lucian, based on "Philopseudes." p. 97
- Stöblin-Kamenskii, M. I. - Realism of Icelandic sagas. p. 107
- Kolesov, V. V. - On one Old Russian dialect system of stress. p. 116
- Liberman, A. S. - Middle English lengthening in open syllables, from the history of the phonemes /e/ i/ o/. p. 129
- Shrivastav, R. N. - Stratification of the Hindi language. p. 138
- Khistov, L. A. - Formation of fighting squads in the southern Ural, end of 1917 and first half of 1918. p. 143
- Khalevin, V. M. - Falsification of the first decrees of the Soviet Government in West German bourgeois historiography. p. 148
- Arsutkina, O. N. - The nation-wide aid to Leningrad, 1944-1945. p. 152
- Sharkov, V. A. - The labor market during the reign of Peter I. p. 157
- Gorelov, A. A. - Sentence passed on Afanasii Khlopusha on March 6, 1768. p. 160
- Zenina, L. V. - Professor Hajasi Motoi at Leningrad University. p. 165
- Esaulov, A. F., Safronov, G. I. - The first Leningrad seminar on programmed teaching. p. 166

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna, Darbai. Serija A. Trudy Akademii nauk Lietuvos SSR. Serija A [ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R. Transactions. Series A]. Vilnius, no. 1(18), 1965.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna, Darbai. Serija B. Trudy Akademii nauk Lietuvos SSR. Serija B [ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R. Transactions. Series B]. Vilnius, no. 3(38), 1964.

- Table of contents translated
- Vegys, J., Bodnevys, A. - Interaction of thiourea with a nickel cathode as dependent on the conditions of electrolysis. p. 3
- Chotlanovicus, S. - Electrodeposition of platinum from solutions of complex compounds. p. 15
- Butkevicius, J., Rozovskis, G., Prokopickas, A. - Colorimetric determination of trivalent copper. p. 25
- Prokopickas, A., Butkevicius, J. - Decomposition of hypochlorite in the presence of copper in a homogeneous medium. p. 31
- Prokopickas, A. - Mechanism of the catalytic decomposition of NaClO in the presence of dissolved copper hydroxide. p. 41
- Prokopickas, A., Janickas, J., Sakauskas, M. - Photolysis of hypochlorite in alkaline solutions. Part I: Quantum yields of photolysis. p. 49

- Prokopickas, A., Janickas, J., Sakauskas, M. - Photolysis of hypochlorite in alkaline solutions. Part 2: Effect of photolysis products on quantum yields. p. 61
- Luneckas, A. - Catalytic decomposition of hypophosphites. Part 3: Effect of catalytically inactive additions. p. 73
- Jasinskiene, E., Bitmantas, J., Rekyte, V. - Determination of microquantities of iron and silver by oxidation of pyrocatechol violet with potassium peroxydisulfate. p. 81
- Alfune, Z. - Conjugation of benzene rings through cross-links. p. 91
- Mockute, D., Kalkaris, P. - Synthesis and properties of some derivatives of cis- and trans-2-methylcyclohexen-3-als. p. 95
- Kudziene, B. - Study of acetate silk deacetylated by alkali. p. 101
- Kavaliauskas, B. - Total radiation in the southern part of the Baltic region. p. 111
- Mikalauskas, A. - Geomorphological and structural characteristics of the Gaunai fluvioglacial terrace and the outwash plain bordering the Voke Valley. p. 123
- Tamosaitis, J. - Genetic classification of bog beds in the Lithuanian S.S.R. p. 137
- Stavinskas, S. - Calculating optimum mechanisms for the case of dynamic loading. Part 1: Derivation of equations and formulas for the general case. p. 149
- Stravinskas, S. - Calculating optimum mechanisms for the case of dynamic loading. Part 2: Finding optimum size of a four-bar linkage. p. 161
- Nemura, A. - Simulating the drawing process by means of electronic analog computers. p. 171
- Macaulis, A., Barkauskas, A. - Investigating antifriction properties of stabilized polyamides. p. 189
- Gailiusis, B., Buneikis, J. - Effect of annual water content on the coefficient of streamflow irregularity during the year in the Lithuanian S.S.R. p. 195
- Juska, F. - Evaluation of the effect of oscillations in the downstream level of hydroelectric power plants on the optimal distribution of active load in the power system. p. 205
- Kazimieras Baisauskas, 1904-1964, an obituary. p. 211

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies]. No. 220, 1964. From the history of the workers' movement in France and the national liberation movement in the British Empire in the late 19th and early 20th century.

- Table of contents translated
- Trembitskaya, A. A. - Socialist movement in France, 1899-1917. p. 3
- Nikitina, I. A. - Situation of the native population of the British colonies in South Africa and the Boer republics at the end of the 1890's and its struggle against colonialism. p. 425

OBSHCHESTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 9, no. 4, 1965.

\*SOVETSKAIA ANTARKTICHESKAIJA EKSPEDITSIIA, 1955-1958. Informatsionnyiulleten' [SOVIET ANT-ARCTIC EXPEDITION, 1955-1958. Information Bulletin]. Leningrad, no. 49, 1964.

- Table of contents translated
- Znachko-Iavorskii, G. A. - Brief lithological characteristics of the Quaternary deposits in the western part of Enderby Land. p. 5
- Kovrova, A. M. - Characteristics of surface invasions in Antarctica. p. 9
- Simonov, I. M. - Snow accumulation on the shelf ice in the region of the Lazarev and Novolazarevskaya Stations in 1962. p. 13
- Eskin, L. I. - "Constant" currents of the Leningrad Bay; according to instrumental data. p. 19
- Stroev, P. A., Frolov, A. I., TSukernik, V. E. - Structure of the relief under the ice in the Mirnyy region. p. 24
- Lazarev, G. E., Ushakov, S. A. - Structure of the relief under the ice in the central part of East Antarctica. p. 29
- Savich-Lubitskaya, L. I., Smirnova, Z. N. - A deep-sea representative of the genus *Plagiolacium* Br. at Sch. in Antarctica. p. 33
- Pryor, M. E. - The Adélie penguin and McCormick's skua of Haswell Island. p. 40
- Derlapi, N. R. - A short summary of medical research during the work of the Soviet Antarctic Expedition. p. 44
- Dubrovina, L. I., Petrov, V. N. - Observations at scientific stations in the Antarctic during the IGY and the IGSY. p. 48
- Koblenits, I. A. P. - Maps of the Antarctic published in England in 1963. p. 57

- By radio from the Antarctic. p. 60
- Titovskii, I. M. - "Gardening" in Antarctica. p. 63
- Intutkina, A. I. - Adélie penguins and a physiological "clock." p. 65
- I. F. - Distribution of ocean waves in drift ice. p. 66
- Bibliography. p. 67

No. 50, 1965.

Table of contents translated

- Kon'k, V. G., Kon'kovich, E. S., Ledenev, V. G. - Boundaries of the Southern Ocean. p. 5
- Aslupenko, P. D., Savonichev, V. S. - Role of the Antarctic in the energy balance of the earth's atmosphere. p. 8
- Zvereva, S. V. - Transparency of the atmosphere in the Antarctic. p. 13
- Petrov, V. N. - Methodology of determining the air permeability of snow. p. 18
- Dubrovina, L. I., Simonov, I. M. - Tides in the Novolazarevskaya Station region. p. 24
- Dzalskii, V. M. - Polar absorption and transmission of radio waves in the Antarctic. p. 28
- Medvedev, N. D. - Navigation tables of magnetic declination for the Mirnyy-Vostok route. p. 34
- Prator, M. E. - The silver-gray fulmar (*Fulmarus glacialis*) and the Antarctic petrel of Haswell Island. p. 36
- Shastin, I. V. - Effect of prolonged oxygen deficiency on some functions of the myocardium. p. 42
- Slevich, S. B. - Factors influencing the economic operational indexes of transport work in Antarctica. p. 46
- By radio from the Antarctic. p. 55
- D. S. - A book under ice. p. 57
- Bibliography. p. 61

TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartusko gosudarstvennogo universiteta [UNIVERSITY. Studies]. No. 146, 1964. Trudy po ekonomicheskim naukam [Works in the Economic Sciences], vol. 6.

TASHKENT. UNIVERSITET. Trudy [UNIVERSITY. Transactions]. No. 192, 1961. Pedagogicheskie nauki [Pedagogical Sciences], no. 1.

Contents: [Problems of training] Voprosy voipitaniya. 127 p.

## b. POPULAR MAGAZINES

AMERIKA, Illyustirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D. C., no. 105, 1965.

AZIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii i Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 4, Apr. 1965.

- Table of contents translated:
- Kim, G. - Lenin and the noncapitalistic way of development. p. 2
- V. I. Lenin's works in the languages of the peoples of the Orient. p. 7
- The world applauds the Soviet miracle. p. 8
- Makushin, A. - Lenin and the first Communists in Africa. p. 10, 16
- Stupak, A. - With Lenin's decree to Arabia. p. 14
- Klodkovskii, L. - The danger is growing. p. 17
- The peoples demand; put an end to the dirty war! p. 20
- Lavrent'ev, A. - Bandung and peaceful coexistence. p. 22, 25
- Potokivskii, B. - In the name of the interests of the peoples of Turkey and the U.S.S.R. p. 24
- Viktorov, V. - The West-German dam on the Euphrates River. p. 26
- Zabrov, B. - State within a state. p. 28
- Mekler, G. - Oknawa, the island of humiliation. p. 30
- Events... people... facts... p. 32
- Appalus, E. - The riches of Namib. p. 36
- Abercromby, Thomas J. - Cambodia, a neutral corner of Indochina. p. 37
- Pollshchuk, A. - He will learn. p. 41
- Dolgov, A. - The language of independence. p. 46
- Morisse-Leroy, Felka. - The African theater and revolution. p. 50
- Polenova, V. - The Burmese Socialist Program Party. p. 51
- Khoshla, G. - The murderer of Mahatma Gandhi. p. 53, 60
- Kvilich, Pol'ko. - Tracing present-day slave traders. p. 56
- Arsen'ova, I. - The secrets of her charm. p. 60

Vol. 8, no. 5, May 1965.

Table of contents translated

War and the death struggle of colonialism. p. 3

Makrushin, A. - Hitler over South Africa. p. 4

May 25, the Liberation Day of Africa. p. 7

- Dement'ev, IU - The Organization of African Unity and the problem of the Congo. p.9.  
Laprov, V. - "Businessmen" in the Congo. p.11.  
Shabaev, B. - Maghreb, industrialization and the problem of employment p.14  
The unity of Arab countries. p.17.  
Gold, copper and the death camps p.19.  
Usov, G. - The struggle for a new culture p.20  
Vietnam Dirt and flame p.24  
Sotolodnikov, V. - Afro-Asian solidarity against colonialism and neo colonialism p.26  
Todor, F. - "The mixed brigade" of neocolonialism. p.28.  
Stepanova, O. - Only by trying can you succeed p.31  
Sharipov, U. - Iranian oil should belong to the Iranians p.34.  
Events. People Facts. p.36.  
Kiva, A. - In the country of living mountains. p.40  
Dodin, E. - Folk sculpture of the Bambara people 48  
Ashraf, A. - "Mungui" (Mau), children of the jungle p.19.  
Kkhostin, G. - The murderers of Mahatma Gandhi (conclusion). p.51.  
Economic difficulties of Singapore. p.54.  
Bel'skii, A. - "Jan Sangh" and its social basis p.56
- BEŁARUS' [WHITE RUSSIA]. Minsk, vol. 22, no. 5(238), May 1965.
- DADZIS [THISTLE]. Riga, no. 6(198)-10(202), 1965. [In Latvian]
- JAUNIMO GRETOS [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sąjungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, no. 5(240), May 1965. [In Lithuanian]
- KAPKAN, chuvashskii satsicheski zhurnal [TRAP, Chuvash Satirical Magazine]. Cheboksary, vol. 11, no. 10(475), May 1965. [In Chuvash]
- KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peking, no. 5, 1965.
- KOREIA [KOREA]. Pyongyang, no. 4(105), 1965.
- KOSTER [CAMPFIRE]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodozhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, no. 6, June 1965
- LIESMA [FLAME]. Issued by Latvijas LKJS Centrālā komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, nos. 4(85)-5(86), Apr. - May 1965. [In Latvian]
- MEDENIET ZHENIE TURMYS [CULTURE AND LIFE]. Issued by Ministerstvo kultury Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, no. 5(83), May 1965. [In Kazakh]
- MURZILKA. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodozhi and Tsentral'nyi soviet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I. Lenin All-Union Pioneer Organization]. Moscow, no. 5, May 1965.
- NOORUS [YOUTH]. Issued by Eestimaa Leninliku Kommunistliku Noor sotsialingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 20, no. 5(223), May 1965. [In Estonian]
- NOVAIA KOREIA [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Foreign Language Publishing House]. Pyongyang, no. 3(204), 1965.
- OGONEK [THE LITTLE LIGHT]. Moscow, vol. 43, nos. 21(1978), 23(1980), May-June 1965.
- OVYD. HORIZON. Published by Mykola Denysiuk Publishing Co. Chicago, vol. 15, nos. 1(128)-2(129), Jan. - June 1964.
- PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radnauka Ukraina." Kiev, vol. 25, nos. 9(548)-10(549), May 1965.
- PIONER [PIONEER]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodozhi and Tsentral'nyi soviet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 42, no. 5, May 1965.
- RODINA [OUR COUNTRY]. Issued by Komitet za vzvashchenie na Rodinu i razvitie kul'turnykh svyazei s sotshestvennikami [Committee for Repatriation and Development of Cultural Relations with our Country-men]. Berlin, vol. 7, no. 2, Mar. -Apr. 1965.
- RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vol. 12, no. 130, July 1965.
- ROVESNIK [CONTEMPORARY]. Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U.S.S.R.]. Moscow, vol. 3, nos. 4(34)-5(35), Apr. -May 1965.
- RUSSKOE SLOVO V KANADE [THE RUSSIAN WORD IN CANADA]. Issued by Russkoe kul'turno-prosvetitel'-noe obshchestvo v g. Toronto [Russian Culture Club in Toronto]. Toronto, vol. 15, no. 123, Feb. 1965.
- SKYNTIA LENINISTE [LENNIST SPARK]. Issued by Moldavian Communist Youth League of Lenin. Kishinev, vol. 35, no. 5, May 1965. [In Moldavian]
- SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 9(256), 1965. [In Lithuanian]
- SOTSIALISTYCHINA KULTURA [SOCIALIST CULTURE]. Organ of Ministerstvo kultury URSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no. 5, May 1965.
- SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no. 7(185), 1965.
- SOVREMENNAAIA MONGOLIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol. 9, no. 3(88), Mar. 1965.
- SVYTURY [THE LIGHTHOUSE]. Vilnius, vol. 17, no. 8(392), Apr. 1965. [In Lithuanian]
- UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radnauka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol. 25, nos. 20(436)-21(437), May 1965.
- UZBEKISTON [UZBEKISTAN]. Tashkent, vol. 24, no. 5 (281), May 1965.
- VESELKA, THE RAINBOW. Published by Ukrainian National Association. Jersey City, vol. 12, no. 6/7, June-July 1965.
- V'ETNAM [VIETNAM]. Hanoi, Vietnam, no. 3(90), 1965.
- VOZHATYI [PIONEER GUIDE]. Published by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodozhi and Tsentral'nyi soviet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 41, no. 6, June 1965.
- VOZYKH [HEDGEHOG]. Minsk, vol. 25, no. 9(607), May 1965.
- ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of Vsesoiuzskoe obshchestvo slepykh [All-Russian Society of the Blind]. Moscow, vol. 42, no. 5, May 1965.
- ZVAIGZNE [THE STAR]. Riga, vol. 15, nos. 6(352)-11 (357), Mar. -June 1965. [In Latvian]
- KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 19, 22, 1965.  
Dopolnitel'nyi vypusk [Supplementary Issue]. No. 2, 1965.
- LATVIJAS PSR PRESSES HRONIKA, LETOPIS' PECHATI LATVISKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.]. Issued by Latvijas PSR gatamla palata [Book Chamber of the Latvian S.S.R.]. Riga, no. 2, Feb. 1965.
- LETOPI'S ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 19, 21-22, 1965.
- MOSCOW. PUBLICHNAIA BIBLIOTEKA, Informatsionnyi biuleten' novykh knozhnykh knig, postupivshikh v Biblioteku imeni V.I. Lenina, Seriya 2 Biologicheskie nauki, sel'skoe i lesnoe khoziasitvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravoochranienie, meditsinskie nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol. 7, no. 36, Dec. 1964.
- NOVAIA LITERATURA PO BOLGARI [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 2, 1965.
- NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISSEDOVATELSKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U.S.S.R.]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1965.
- NOVYE KNIGI; ezheedel'nyi informatsionno-bibliograficheski zhurnal [NEW BOOKS, Bibliographical Information Weekly]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, vol. 10, no. 22, May 1965.
- NOVYE KNIGI ZA RUBEZHOM, Seriya V: Biologiya, meditsina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS, Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 9, no. 5, May 1965.

## b LIBRARIES &amp; LIBRARY SCIENCE

- BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kultury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 42, no. 3, Mar. 1965.  
Table of contents translated.  
Abramov, K. - New Lenin documents on libraries. p.1  
Manuchar'iants, Sh. - In Vladimir Il'ich's library. p.5  
Minaev, A. - To meet the season of spring. p.8  
Mironova, S., Khrennikova, G. - How we serve the specialists. p.10  
Nikolaeva, N. - Collective-farm workers are guided in reading here p.12  
Sudachevskii, G. - Review of specialized mobile libraries p.14.  
Zhelezniak, S. - Resulting from inquiries of readers. p.16.  
Karaseva, G. - To those who listen to lectures on the system of political enlightenment p.19  
Kernes, I. - The Communist Youth League in the struggle for our motherland. p.21.  
Vaks, I., Pali, A.R. - Unknown heroes become known. p.23.  
Literature for posters on covers. p.26.  
Pradkina, T., Fedorov, D. - Lecturing bureau in the library p.27  
Vagina, T. - Useful conference. p.30.  
Korshunova, G. - We learn to read intelligible books. p.31.  
Bikbova, N. - Catalog for the children. p.34.  
Min'ko, I. - School of librarians. p.35.  
Dolshova, M. - It bears the name of Lenin. p.37.  
Kartashov, N. - Characteristics of a readers conference. p.38.  
Znamenskii, IU - A start in life for technical means. p.43.

## 2. BIBLIOGRAPHY

## a. BIBLIOGRAPHY

- JAUNAS GRAMATAS [NEW BOOKS]. Riga, nos. 3(81)-4 (82), Mar. -Apr. 1965. [In Latvian]



- Bronshstein, M. - Work with bibliographies in the creative way p. 47  
 Sokolova, N. - Diaries of practical workers p. 50  
 Novosel'tseva, L. - Important link p. 52  
 Georgievskaya, S. - To my friends p. 53  
 Buzhanov, V. - Librarian of the "Sifary town." p. 55  
 Lasovskii, M. - Interesting album p. 56

Vol 42, no 4, Apr 1965

## Table of contents translated:

- Karamayev, A. - Library of the Ul'ianov family p. 5  
 Volitk, P. - Here Lenin read. p. 9  
 Seredkina, A. - Today in Shushenskoye p. 10  
 El'm, V. - Armed with Lenin's works p. 10  
 Sakharov, N. - Bibliographic search for Lenin's works p. 15  
 Kabalkina, E. - Kunin, A. - Immortal deed of the people. p. 18  
 Zhdilov, E. - Warriors recall days of the past p. 23  
 Morozov, A. - With a book and machine gun p. 26  
 For the sake of life on earth p. 27  
 Medvedeva, N. - Books and communist education p. 32  
 Davidenko, T. - Initial results p. 35.  
 On'ka, N. - Let's inculcate a love for work p. 36  
 Semenova, I. - Concern over rural pupils p. 39  
 Chvanova, N. - At the height of new tasks p. 40  
 Vaneev, A. - Disclose advanced work practices in greater depth p. 42  
 Bochkareva, M. - Correspondence courses help to raise qualifications p. 44  
 Kustova, G. - Improve the quality of technical information p. 45  
 Samarin, K. - For those at sea p. 47  
 Tereshin, V. - Love for the reader is the most important p. 49  
 Ezova, S. - Working for the first time as a loan librarian p. 52  
 Finasov, B. - Cultivated by beauty p. 55  
 Vainshtein, E. - Library ex libris p. 58

**BIBLIOTEKOVEDENIE I BIBLIOGRAFIYA**, ukazatel' literatury [LIBRARY SCIENCE AND BIBLIOGRAPHY, an Index to the Literature], Apr. - June 1964. Issued by Nauchno-metodicheskiy otdel bibliotekovedeniya i bibliografii Gosudarstvennoy biblioteki SSSR imeni V. I. Lenina [Scientific Methodological Division of Library Science and Bibliography of the V. I. Lenin State Library]. Moscow, no. 2, 1965.

## c. PRINTING &amp; THE BOOK TRADE

**PECHAT' SSSR, 1964**, statisticheskie materialy [THE PRESS OF THE U.S.S.R., 1964, Statistical Material]. Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, 1965.

**POLIGRAFIYA [PRINTING]**. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechatu [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, no. 3, Mar. 1965.  
 Table of contents translated:  
 We are proud of your achievements. p. 1.  
 This is dedicated to our women. p. 4.  
 Grushko, L. S. - Improving the work of printers in the Russian Federation. p. 16.  
 Khilmankov, A. I. - Publication of illustrated works.

of originals with  
 a, 20,  
 the preparatory

on  
28,

in

ine,

less

10,

r

- Soviet press in 1964 p. 8  
 Nemirovskii, E. L. - Book publishing and printing during the years of the Great Patriotic War p. 9  
 Putin, A. - Along the roads of the wartime newspapers. p. 11  
 Friman, S. B., Margolin, M. L. - Printers during the years of the Great Patriotic War p. 16  
 Leonidov, S. - During the days of the heroic defense of Leningrad p. 18  
 Levitas, I. G. - Behind the enemy's lines. p. 20  
 Khusov, E. I. - Hero of Socialist Labor p. 23  
 Pashkov, M. V. - Put specialization in printing under the control of the technological community. p. 26  
 Laputukhin, V. S. - Trends in the development of the principal printing processes. p. 28  
 Popriadukhin, P. A., Zagorutko, I. F. - Effect of plasticizers on the properties of glue p. 32  
 Vorokhobin, B. A. - Improvement in the design of linocasting machines p. 34  
 Khel'tes, L. M. - Norms of durability and reliability for printing machinery p. 37  
 Berezin, B. I. - Torzhok printing ink plant goes into operation p. 40  
 Some principles for technological instruction in type-setting p. 44

## 3. PHILOSOPHY &amp; RELIGION

## a. PHILOSOPHY

**NOVAYA SOVETSKAYA LITERATURA PO FILOSOFII** [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1965.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya**, Nauchnyye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools, Philosophical Sciences], Moscow, vol. 7, no. 5, 1964.

## Table of contents translated:

- Kosichev, A. D. - Marx' and Engels' struggle in the First International against the petit-bourgeois anarchistic revolutionism and its methodological concepts. p. 2.  
 Rozhin, V. P. - Structure and functions of Marxist-Leninist philosophy. p. 10.  
 Sheptulin, A. P. - Certain controversial treatises on the fundamental laws of dialectics. p. 17.  
 Kaltschekian, S. T. - The essence of the nation as a historical social group. p. 26.  
 Igoshin, K. E. - Legal consciousness and the strengthening of socialist labor discipline; based on materials from the industrial enterprises of Sverdlovsk Province. p. 37.  
 Biriukov, B. V. - Logical and mathematical aspects of the theory of computers. p. 44.  
 Timofeeva, N. V. - Characteristics of reflection in inanimate nature. p. 53.  
 Novak, V. G. - The social and the biological in medicine. p. 59  
 Garadzha, V. I. - Darwinism and neo-Thomism. p. 63.  
 Bondarev, G. I. - The social role of science in the distorting mirror of bourgeois sociology. p. 76.  
 Meerovskii, B. V. - The subject of the history of atheism p. 83.  
 Bogolepov, G. I. - The problem of tragic conflict in the art of the motion picture. p. 89.  
 Nizhechek, V. I. - The dialectics of the transformation of a socialist state into communist social self-government. p. 95.  
 Nosov, A. V. - Jean Meitler, founder of the revolutionary democratic ideology in France; for the 300th anniversary of his birth. p. 102.  
 Bosenko, V. A. - Some problems of the dialectics of the contradiction of motion. p. 107  
 Novikov, A. I., Pavlov, L. S. - New work on the philosophical legacy of Plekhanov. p. 113.  
 Sazonov, B. V., Sukhotin, A. K. - Conference on the methodology and logic of science. p. 118.  
 New books on philosophy. p. 121.  
 A. I. Ivanov; obituary. p. 128.

**VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]**. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 19, no. 4, 1965.  
 Table of contents translated:  
 Editorial: Develop the Leninist style in philosophical research. p. 3.  
 Chaplin, V. P. - The genius of proletarian thought and revolutionary action. p. 9.  
 Denisova, L. F. - Lenin on Tolstoi. p. 19.  
 Zamoshkin, I. U. A. - Personality and the crisis of bourgeois ideology. p. 20.  
 Ofizerman, T. I. - Socialist ideology and the historical experience of peoples. p. 39.

- Saleznov, L. I. - The nature of certain socialist theories in the present-day national liberation movement. p. 50.  
 Zemlasov, A. A. - Growth potentials and the rational use of workers' leisure time p. 61.  
 Baikova, V. G. - Leisure time and the raising of the scientific and technical level of workers in technology and engineering. p. 69  
 Duchat, A. S. - Structural change in the leisure and working time of peasants during the Soviet period p. 74.  
 Shvartaman, K. A., Shishkin, A. F. - Certain philosophical problems of ethics. p. 81  
 Kedrov, B. M. - General course of the knowing of matter. p. 92.  
 Doskari, A. G., Trusov, I. U. P., Faddeev, E. T. - Interaction of nature and society and present-day geography. p. 104  
 Pakhomov, D. I. A. - The principle of relativity in quantum mechanics. p. 116.  
 Shinkaruk, V. I., Pashkova, A. A., Assonova, N. T. - Marxist interpretation of the history of revolutionary democratic ideology. p. 126  
 Nepomniashchik, N. I. - Connection between logic and psychology in Jean Piaget's system p. 135.  
 Correspondence between Friedrich Engels and Paul and Laura Lafargue. p. 145.  
 Karus, E. V. - Methods of knowing the earth's structure and evolution. p. 161  
 Naumenko, L. K. - Searching for new possibilities. p. 164.  
 Korshunov, A. M. - Present-day natural science and the theory of reflection. p. 169.  
 Levadin, I. U. A. - Religion as a historical product p. 171.  
 Bogomolov, A. S. - Results and tasks. p. 175.  
 Bibliography of philosophical literature published in Hungary, 1960-1964. p. 179.  
 Blincher, L. I. A., Mirzolan, E. N. - A few remarks on the "Essay on the dialectics of living nature." p. 181.  
 Our authors. p. 190.

Vol. 19, no. 5, 1965.

## Table of contents translated:

- Editorial: Immortal feat of the Soviet people. p. 3.  
 Some results of philosophical research in the U.S.S.R. p. 12.  
 Mifin, M. B., Semenov, V. S. - The progress of mankind toward communism and the bourgeois concept of "the single industrial society." p. 35.  
 Gvishiani, D. M. - Historical materialism and private sociological research. p. 47.  
 Shukhin, V. N. - Youth starts out in life. p. 57  
 Il'enkov, E. V. - The subject matter of logic as a science in the new philosophy. p. 71.  
 Smolian, G. L. - Technology and the brain. p. 83  
 Skvoznikov, V. D. - A. Blok and symbolism p. 95.  
 Iadov, V. A. - Let us face the facts. p. 107.  
 Giachev, A. S. - The theory of "the single industrial society" as a weapon falsifying Marxism. p. 116.  
 Correspondence between Friedrich Engels and Paul and Laura Lafargue. p. 120.  
 Fedotov, I. U. E., Mikhalev, V. M. - A discussion of the problems of scientific communism. p. 141.  
 Philosophical literature to be published in 1965. p. 179.

## b. RELIGION

**DUKHOVNOE PROBUZHDENIE [SPIRITUAL AWAKENING]**. Helsinki, vol. 44, no. 5/6, 1965.

**HOLOS SPASYTELIA. REDEEMER'S VOICE**, Issued by Otsi Redemptorysty. [Redemptorist Fathers]. Yorkton, Canada, vol. 37, no. 6, June 1965.

**ORTHODOX EASTERN CHURCH, RUSSIAN**, Patriarch, Bogoslovskie trudy [Theological works]. Moscow, no. 2, 1961.

## Table of contents translated:

- Troitskii, S. V. - Who included the Papist Scholium into the Orthodox Canon. p. 5.  
 Uspenskiy, N. D. - The Eucharist prayers of St. Basil the Great and St. John Chrysostomos (in the rite of the Orthodox liturgy). p. 63.  
 Uspenskiy, N. D. - Troparion for Apostle Luke in its Greek Original. p. 77.  
 Troitskii, S. V. - St. Methodius as a Slavic legislator. p. 83.  
 Extract from the Slavonic collection of the works of St. Priest Martyr Methodius. Russian translation and commentaries by Bishop Mikhail (Chub). p. 143.  
 Karmanov, E. A. - "Difficult pages from the Bible" by E. Galbiati, A. Piazza. p. 207.

ORTHODOX EASTERN CHURCH, RUSSIAN. *Patrlarch Zhurnal Moskovskoi Patriarkhii* [Journal of the Moscow Patriarchate]. Moscow, no. 5, 1965.

- Table of contents translated:  
 Easter greetings from His Holiness Patriarch Aleksii to the heads of Autocephalous Orthodox Churches. p. 1.  
 Easter greetings from His Holiness Patriarch Aleksii to the heads of Christian Churches. p. 2.  
 Christmas greetings from His Holiness Athenagoras, Patriarch of Constantinople, to His Holiness Patriarch Aleksii. p. 2.  
 Message from Pope Paul VI to His Holiness Patriarch Aleksii. p. 3.  
 At the receptions of His Holiness Patriarch Aleksii. p. 4.  
 Brief news. p. 4.  
 Death of Boris, Metropolitan of Kherson and Odessa. p. 5.  
 Services of His Holiness Patriarch Aleksii. p. 6.  
 News from the Russian Orthodox Mission in Jerusalem. p. 7.  
 Meeting of the prelate with his remote flock. p. 14.  
 News from the dioceses. p. 15.  
 Obituaries. p. 17.  
 Kirill, Hieromonach - Sermon for the week of the women who brought the balsam. p. 18.  
 Vsevolod, A. - Sermon for the Mid-Pentecost Day. p. 20.  
 Archbishop Leonid. - The 20th anniversary of the great victory. p. 22.  
 Elkhovskii, V., Lavrov, V., Pisanko, G. - Letters of war veterans. p. 27.  
 Sokolovskii, P. - Conference in Weimar. p. 32.  
 Communique of the meeting of the Theological Committee of the Christian Peace Conference. p. 35.  
 Speech of Nikodim, Metropolitan of Leningrad and Ladoga, at a dinner in honor of the members of the meeting of the Theological Committee of the Christian Peace Conference on April 7, 1965, in Leningrad. p. 37.  
 Address of Metropolitan Nikodim, Vice-President of the Christian Peace Conference, at the opening of the meeting of the Theological Committee on April 8, 1965 in Leningrad. p. 38.  
 Sokolovskii, P. - Meeting in Cologne. p. 42.  
 Sokolovskii, P. - Conference in Drieberg. p. 44.  
 Skobel, G. - Peace-making activity of Pastor Martin Niemöller. p. 45.  
 Bishop Pitirim. - Literary works of His Holiness Kirill, Patriarch of Bulgaria. p. 52.  
 Zabolotskii, N. - Problem of the unity of the Eastern Church. p. 53.  
 Metropolitan Nikodim. - Christian churches and the divine service at the time of Saint Joannes Chrysostomus (to be continued). p. 66.  
 Gillshev, I. - Christian love according to the scriptures of Apostle John the Divine. p. 74.

SVITLO. THE LIGHT. Issued by OO. Vasyliany [The Basilian Fathers]. Toronto, vol. 28, nos. 3(507), 8 (510)-7/8(511-512), Mar., June-Aug. 1965.

TSEKOVNI VESTNIK [CHURCH HERALD]. Organ of Pravoslavnaia tserkov' v Pol'she [Orthodox Church in Poland]. Warsaw, vol. 12, no. 2, Feb. 1965.

UKRAINS'KYI VISTNYK. UKRAINIAN HERALD. Issued by Ukrain'ska pravoslavna tserkva v Amerytsi [Ukrainian Orthodox Church in America]. New York, vol. 24, nos. 3-4, Sep., Dec. 1964.

WESTERN EUROPE (Exarchate). *Vestnik Russkogo zapadno-evropeiskogo patriarshego eksarkhata* [Messenger of the Russian West European Patriarchal Exarchate]. Paris, no. 50, Apr.-June 1965.

#### 4. HISTORY

##### a. GENERAL

AKADEMIA NAUK ARMIAKSKOI SSR, Eriyan. *Istoriko-filologicheskii zhurnal* [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R., Historical and Philological Review]. Eriyan, no. 1(28), 1965.

- Table of contents translated:  
 Melikian, M. A. - Lenin's teachings on the friendship of peoples. p. 3.  
 Sar'ian, Martiros. - Tragedy of the Armenian people. p. 15.  
 Ambartsumian, Viktor. - Carnage of the Armenians in 1916. p. 19.  
 Ioannitsian, Levon. - Darkest page of history for the Armenian people. p. 21.  
 Sarkisian, E. K. - Policy of the young Turks to annihilate the Armenians in 1915-1916. p. 23.  
 Stepanian, G. Kh. - West Armenian intellectuals were victims. p. 37.

- Krikorian, Dz. S. - Grave situation of the Western Armenians on the eve of the First World War. p. 51.  
 Rekhman, G. G. - Poetry of Daniel Varughan. p. 69.  
 Nersisyan, M. G. - Materials on the Armenian mass-sacres. p. 85.  
 Saakhan, R. G. - Memoirs of Naim-bay. p. 101.  
 Arutunian, A. O. - Andranik as a soldier and military leader. p. 109.  
 Arakelian, B. N. - Nikolai Iakovlevich Marr. p. 125.  
 Arutunian, S. B. - Great scholar of Armenian studies. p. 137.  
 Dzhrbashian, E. M. - Internal rhyme in the poetic art of Tumanian. p. 153.  
 Khachaturian, V. A. - Analysis of the assembled monastics of Gairi. p. 171.  
 Arutunian, N. V. - Some problems of Urartean toponymy. p. 187.  
 Akopian, S. E. - Rural communities in early and medieval Armenia. p. 201.  
 Gulakian, B. S. - Phonologic system of Armenian vowels. p. 219.  
 Bagdasarian, A. - Unfinished and unpublished works of D. Demirehian. p. 231.  
 Nersisyan, V. - First Russian translation of "Gates of the East". p. 236.  
 Gukasian, V. - Lessing in Armenian reality. p. 243.  
 Dzhanikyan, G. - Etymologies. p. 251.  
 Gaganian, Sirak. - Transylvanian rugs and their origin. p. 262.  
 Ter-Gevondian, G. - Cover of a manuscript by Grigor Tatevatsi. p. 266.  
 Khachaturian, Zh. - Polystyled seals discovered in Armenia. p. 271.  
 Esalan, S. - Armament and military organizations of Armenian tribes. p. 277.  
 Mikaelian, G. - Complex of the Cyclopean Fortress of Lechashan. p. 284.  
 Megredze, I. - Problems of Georgian studies in the works of Academician I. A. Orbeli. p. 291.  
 Dashkevich, I. A. - The Armenian scholar Sadok Baronch as a collector of Ukrainian folklore. p. 296.  
 Vardanian, N. - Cultural life of Armenians abroad (June-December 1964). p. 318.  
 Avetisyan, G. - Annual General Assembly of the Academy of Sciences of the Armenian S.S.R. p. 322.  
 Matevosyan, V. - Great master. p. 325.  
 Dolabdzhan, Z. - Prominent physician and scientist. p. 327.  
 Molokanov, L. - Jubilee evening. p. 328.  
 Pivazian, E. - Academic session dedicated to the 100th anniversary of the birth of N. A. Marr. p. 330.  
 Garibian, A. - Ovssep Kusk'ian; an obituary. p. 333.  
 Mirzadzhanian, L. - Amasasp Ambarsumian, an obituary. p. 334.

AKADEMIA NAUK SSSR, Institut nauch. Azii. *Kratkie soobshchenia* [ACADEMY OF SCIENCES OF THE U.S.S.R., Institute of the Peoples of Asia. Brief reports]. Moscow, no. 71, 1964.

- Table of contents translated:  
 Lishman, A. D. - Leninist methodological principles for the study of Oriental ideologies. p. 3.  
 Gamazkov, K. A. - Tosaka, Jun, a philosopher and politician, from the history of the ideological struggle in Japan. p. 25.  
 Brodov, V. V. - Interpretation of the Vedic hymn "Vasudhā". p. 41.  
 Akhmedzhanov, A. U. - The "Majlis Ittihad-ul-muslimin", the origin of the Islamic religious and communal movement in the state of Andhra. p. 46.  
 Siopaniants, M. T. - Some aspects of the ideology and policy of Jinnah at the Islamic in Pakistan. p. 56.  
 Levin, S. F. - Organizations of the Islamist bourgeoisie in Pakistan. p. 72.  
 Petrosian, IU. A. - From the history of sociopolitical thought in Turkey during the 19th century. p. 88.  
 Vailova, A. A. - The world outlook of Yusuf Balasagunskii: political precepts of the Central-Asian philosopher of the 11th century. p. 89.  
 Bettaev, E. A. - "The elaboration of Islam": Strassburg Colloquium. p. 126.  
 Kaluzhina, N. M. - Contents of proclamations written by the participants in the "I Ho Tuan" uprising. p. 133.

No. 77, 1964. Afghanistan, Iran, and Turkey: their history and economies.

- Table of contents translated:  
 Davydov, A. D. - The village community of the Hazaras in Central Afghanistan. p. 3.  
 Balburlian, V. A. - The intermediary role of the Now-Dzhulfa merchants in the diplomatic relations between Iran and the countries of Western Europe at the beginning of the 17th century. p. 20.  
 Aguev, S. L. - German penetration into Iran after the First World War. p. 30.  
 Aliev, S. M. - The nationality problem in present-day Iran. p. 45.

- Vasin, N. V. - Export of American private capital to Iran as one of the forms of the expansion policy of the United States. p. 61.  
 Sharipov, U. Z. - The budgetary deficit of Iran, budget of the state apparatus, 1954-1962. p. 73.  
 Doroshenko, E. A. - Some tendencies in the cultural development of Iran, 1920-1940. p. 81.  
 Shamsutdinov, A. M. - Mustafa Kamal Atatürk, for the 40th anniversary of his death. p. 93.  
 Danilov, V. I. - Demonstrations against the government in Turkey on the eve of the coup d'état of May 27, 1960. p. 101.  
 El'chinkov, E. - Some problems of the financial policy of the Turkish Government, 1950-1960. p. 112.  
 Oreshkova, S. F. - The Russo-Turkish War of 1711 and its interpretation in contemporary Turkish historiography. p. 118.  
 A brief bibliography of books and periodical articles on Afghanistan, Iran and Turkey, published in 1963 in the Russian language. p. 130.

No. 85, 1964

- Table of contents translated:  
 Sedov, L. A. - The property of the temples of the Angkor Cambodia as a form of property of the feudal kings. p. 3.  
 Taskin, V. S. - Turkish names for domestic animals in the Hsiung-an language. p. 13.  
 Bogoslovskii, V. A. - Historical roots of the "Story about the marriage of the Tibetan Emperor Si-on-bean sgam-po and the Chinese princess Wen-Ch'eng." p. 21.  
 Yarin, IU. V. - Sources of the history of late feudalism in Korea. p. 30.  
 Bokshchanin, A. A. - The countries of Southeastern Asia and of the basin of the Indian Ocean in the Chinese geographical terminology of the 14th to 16th century. p. 43.  
 Fomina, N. I. - Military art of the anti-Manchurian home guard of southeastern China in the middle of the 17th century. p. 47.  
 Kaluzhina, N. M. - The "Great swords" uprising in Shantung in 1869. p. 60.  
 Kostiaeva, A. S. - People's movements in China, 1901-1905. p. 72.  
 Chudodoev, IU. V. - The economic policy of the Ch'ing in relation to the bourgeoisie; the crises in the "upper classes" on the eve of the Hsin-hai Revolution. p. 85.  
 Monina, A. A. - Activity of foreign missionaries in the field of education in China. p. 102.  
 Tsyganov, V. A. - The Party of Indonesia (Partindo) in 1931-1936. p. 115.  
 Ilushenko, V. I. - Anticommunism, a constituent part of the ideology of the Socialist Party of Indonesia. p. 129.  
 Latshev, I. A. - The newspapers, radio and television of Japan and their interrelations with the government. p. 148.  
 Nikiforov, V. N. - Soviet historiography of China during the first postwar years. p. 154.  
 Gol'man, M. I. - The current history of Mongolia in bourgeois historiography and publicism. p. 169.

ANADYR'. CHUKOTSKI KRAEVEDCHESKII MUZEI.

Zapiski [CHUKCHI MUSEUM FOR REGIONAL STUDIES. Annals]. No. 3, 1962.

- Table of contents translated:  
 Komodov, A. I. - Prospects for developing vegetable growing in the Chukchi National Area. p. 3.  
 Glushnev, M. P. - Varieties of underground cold storage warehouses. p. 5.  
 Nekrasov, I. A. - The ice cover of Lake El'gygytyn. p. 8.  
 Ovsukova, N. I. - On the helminths of the Chukchi National Area. p. 11.  
 Sergeev, D. A., Arutunov, S. A. - Old Eskimo burial mounds in the Chukchi National Area. p. 13.  
 Zhurov, R. I. A., Sergeev, D. A. - Ancient sculptural images of whales. p. 21.  
 Levin, M. G. - Anthropological materials from early Eskimo burial mounds. p. 25.  
 Tarkhova, V. N., Tarkhov, V. S. - Catalog of the collection of fauna of the Chukchi National Area at the Chukchi Regional Study Museum. p. 27.

EVREI I YEVREISKII NAROD, sbornik materialov iz sovetskoi ezheдневnoi i periodicheskoi pechati [JEWS AND THE JEWISH PEOPLE: Materials from the Soviet Daily and Periodical Press]. London, vol. 5, no. 1(15), 1964.

ISTORIA SSSR [HISTORY OF THE U.S.S.R.], Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.], Moscow, vol. 9, no. 1, Jan.-Feb. 1965.

- Table of contents translated:  
 Genkin, L. B. - The birth of socialist labor discipline; the end of 1917 to the summer of 1918. p. 3.

- Kubzan, V.M., Makhnova, G.P. - Number and proportion of the Ukrainian population on the territory of the U.S.S.R., 1795-1950. p. 28.
- Timoshenko, V.V. - Was White Russia a colony in the economic sense under the czarist regime? p. 36.
- Dmitriyev, S.S. - On the occasion of the publication of N.L. Rubinshtein's study on I.E. Zabelin. p. 51.
- Rubinshtein, N.L. - Ivan Egorovich. His historical views and scientific activity, 1820-1908. p. 54.
- Galkova, N.B. - From the history of the formation of a strata of hired workers in the first quarter of the 18th century. p. 75.
- Gerasimuk, V.R. - Equal land distribution in the European part of the Russian Federation in 1918. p. 94.
- Roshkovan, I.U.D. - Kishinev trial of the Tatarbunary peasants and the international solidarity movement. p. 101.
- Rybak, I.K. - Working class of the Ukraine in the elections to the all-Russian and all-Ukrainian constituent assemblies. p. 114.
- Maltseva, N.A. - Number of peasant riots during the period of Stolypin's agrarian reform, June 3, 1907 to August 1, 1914. p. 120.
- Vagina, P.A. - Characteristics of the agitation among the artisans in Ural factories in the last quarter of the 18th century. p. 132.
- Blagoshehchenskaia, E.V. - Inscriptions in books made by peasants and manor serfs in the 18th and 19th centuries. p. 140.
- Kur'ianov, I.A. - Kurma Minin, new materials for his biography. p. 144.
- Manin, V.S. - The Academy of Arts and the dissemination of works of art in the 18th century. p. 146.
- New literature on the history of the U.S.S.R. p. 178.
- Matveev, A.M. - A British colonel covers up the tracks, apocryphos of S.E. Eltis' book "The Transcaspien episode, 1918-1919" p. 183.
- Konechny, Zdenek, Mamus, Frantisek. - Soviet citizens on the territory of Czechoslovakia during the Second World War. p. 188.
- Dudinskaya, E.A. - Fruitful meeting of Soviet and Italian historians. p. 210.
- Starokadomtseva, M.K. - State Historical Public Library as a help to a historian of the U.S.S.R. p. 216.
- Gorushkin, L.M. - Session on the prerequisites for the socialist revolution and establishment of the Soviet regime in Siberia. p. 223.
- Zavelov, A.I., Mineev, V.I. - Better the level of academic publications. p. 227.
- Supporting the proposals of I.F. Gindin and L.E. Shepelev. p. 229.
- In memory of Vladimir Vasil'evich Maksakov. p. 233.

Vol. 9, no. 2, Mar.-Apr. 1965.

- Table of contents translated
- Mochalov, V.D. - The origins of Leninism, the struggle of the Russian revolutionary Marxists against petty-bourgeois socialism and revisionism at the end of the 19th century. p. 3.
- Naidenov, M.E. - V.I. Lenin and Russian history, formation of Lenin's concept of the Russian historical process. p. 23.
- Gromyko, M.M. - Some results of land cultivation in Western Siberia in the 18th century. p. 55.
- Zakharova, M.I., Shapiro, L.A. - Tracing Lenin's instructions, documents. p. 74.
- Poznanski, V.S. - Siberians to V.I. Lenin. p. 96.
- Barashtukovich, V.D. - V.I. Lenin and the scientific organization of labor. p. 108.
- Gritskova, S.M. - V.I. Lenin and the Bolshevik fraction of the 4th State Duma, based on new data. p. 113.
- Lisitsyna, L.N. - Industrial development of the autonomous republics of the R.S.F.S.R. in the beginning of the period of the seven-year plan, 1959-1961. p. 127.
- Ivanova, N.A. - The October and November 1912 strikes in Russia. p. 138.
- Tomsinski, S.M. - The trade and contract work of the peasants in the Ural Mountain Region, 1720-1740. p. 146.
- New literature on the history of the U.S.S.R. p. 165.
- Valdyanath, R. - Studies of the U.S.S.R. in India and its prospects. p. 170.
- Kir'ianov, I.U.J., Kravina, N.I.A., Pronina, P.V. - Foreign literature on the history of Russia's proletariat. p. 180.
- Ioffe, G.Z. - An anticommunist guide to Russian revolutions. p. 201.
- Kruus, H.H. - Some problems of the studies of local history. p. 205.
- Voronikhin, A.K. - Paper money of the Vsevolozhskii family. p. 210.
- Golubev, I.F. - New data on the Bakunin family. p. 211.
- Bogatov, I.P. - Cadet Chenokov's letters, 1907-1913. p. 213.
- D'achkov, A.N. - A conference of museum workers. p. 215.
- Historical findings. p. 217.

- Patrykev, D.I. - Main results of the research work carried out by the Leningrad Department of the Institute of History of the Academy of Sciences of the U.S.S.R. for 1964. p. 218.
- Maichenko, I.E. - The Institute of History of the Academy of Sciences of the White Russian S.S.R., 1963-1964. p. 221.
- Shelstikov, V.P. - The Institute of History of the Academy of Sciences of the Kirghiz S.S.R., 1963-1964. p. 223.
- Ledovskaya, I.V. - The Seventh Interrepublican Symposium on the Agrarian History of Eastern Europe. p. 225.
- Rozov, N.N. - Determination of the authenticity of a document by modern technical methods. p. 232.
- Kalantarskaia, I.S. - A "guide" to the collection of manuscripts of the Historical Museum. p. 233.
- Ivanov, L.M. - Some necessary additions. p. 235.
- Lev Vladimirovich Cherepin's sixtieth birthday. p. 237.
- Likhobolova, Z.G. - Periodization of the movement for communist labor. p. 239.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaya Rossiia" and Gosudarstvennaya publikatsionnaya istoricheskaya biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.]. Moscow, vol. 10, no. 6, 1965.

NOVIK, istoriko-genealogicheskii zhurnal [RECRUIT FROM THE GENTRY, Historical and Genealogical Journal]. Issued by Russkoe istoriko-rodoslovnoe obshchestvo v Amerike [Russian Historical and Genealogical Society in America]. New York, vol. 26, 1962.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 20, no. 3, May-June 1965.

SOVETSKOE SLAVIANOVEDENIE [SOVIET SLAVIC STUDIES]. Issued by Institut slavianovedeniia Akademii nauk SSSR [Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1965.

Table of contents translated:

- Editorial. p. 3.
- Shmeral', I.A.B., Vatev, L.B. - Historic 20th anniversary: a contribution to the history of the development of the countries of Central and South-eastern Europe. p. 9.
- Prasolov, S.I. - The Soviet-Czechoslovak Treaty of 1943, history of its diplomatic preparation. p. 20.
- Volkov, V.K. - The foreign policy of Yugoslavia, 1935-1936. p. 34.
- Avanesov, R.I. - Results of the work on the Slavic linguistic atlas, 1958-1964. p. 40.
- Zhetanov, V.N. - Materials for the history of the liberation of Warsaw from the German Fascist occupiers. p. 55.
- Zydneyev, V.I. - From the history of the establishment of Soviet-Bulgarian cultural relations; from the late 1920's to the early 1930's. p. 61.
- In the Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R.
- Speranski, A.I. - Academic sessions. p. 109.
- Danilova, N.P. - A conference on the problem: "The genesis of capitalism, the nationalist movement and the development of national culture in the Slavic countries." p. 111.
- Zueva, N.V. - The Sector of the History of Slavic Nations Abroad During the Period of Feudalism and Capitalism. p. 112.
- Vozdvizhenskaya, T.A. - The group studying Slavic-German relations. p. 113.
- Benediktov, G.K. - The Sector of Slavic Linguistics. p. 114.
- Strukova, K.L. - A session of the Symposium on the Agrarian History of Eastern Europe. p. 115.
- Natalia Gasiorowska-Grabowska, an obituary. p. 125.

UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL]. Issued by Instytut istorii Akademii nauk URSR [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and others. Kiev, vol. 8, no. 6, Nov.-Dec. 1964.

- Table of contents translated:
- Ivanenko, O.I.E. - V.I. Lenin on the problem of trained personnel in socialist revolution. p. 3.
- Nikolajenko, I.I. - The leading role of the Communist Party of the Ukraine in widening the movement for communist labor in Ukrainian industry, 1959-1961. p. 12.
- Kolomitschenko, I.I. - The struggle of the Communist Party of the Ukraine against the Trotskyist-Zinov'ev anti-party block, 1926-1927. p. 26.

- Hurzhii, I.O. - The Ukraine in the agricultural production of Russia after the reform, from the 1860's to the 1880's. p. 30.
- Likhobolova, Z.G. - Chemists in the Donetsk Basin in the struggle for communist labor. p. 51.
- Bobadlov, I.P. - Some problems of the building of socialism in the western regions of the Ukrainian S.S.R. p. 55.
- Vronskiy, S. - Socioeconomic relations in Volhynia on the eve of the Second World War. p. 62.
- Kalenyshenko, P.M. - Creation of the Communist Party of Poland as a significant landmark in the history of the Polish workers' movement. p. 68.
- Zhebukryts'kyi, V.A. - Turkey's entry into the First World War. p. 76.
- Blokh, B.O., Epshteyn, A.I. - Uplift in the work of Kharkov tractor builders after the 22d Congress of the CPSU. p. 81.
- Mukvyeh, H.A. - Training of propagandists of scientific atheism in the Ukraine, 1959-1963. p. 84.
- Bashuvol, V.P. - Training of technical industrial intelligentsia in the institutes and higher technical schools of the Ukrainian S.S.R., 1933-1937. p. 89.
- Sluchovska, S.I.A. - From the history of the Behind-the-Front Bureau of the Central Committee of the Communist Party (Bolshevik) of the Ukraine in 1919. p. 93.
- Masumlan, I.I.A. - The strike in Baku in 1914. p. 97.
- Shcherbatyuk, I. - Emigration of the Ukrainians of western Galicia to Russia, 1892. p. 101.
- Zhuk, V.N., Pylypenko, H.M. - Zhovtno. p. 104.
- Makarenko, L.L., Zhebukov, P.I. - Bibliography of publications on the history of Ukrainian towns and villages. p. 107.
- Miroshnychenko, P.I.A. - Practical training in the history of the U.S.S.R. during the first years of college. p. 111.
- Kulakovskiy, V.M. - Extracurricular work in the history of the Ukrainian S.S.R. in the seventh and eighth grades. p. 113.
- Pykha, D.D. - V.K. Blukher in the Ukraine; on the 75th anniversary of his birth. p. 115.
- Dudko, I.P. - Soldier of the revolution; on the 75th anniversary of M. II. Kropyv'nyts'kyi's birth. p. 119.
- Burial, I.U.S. - Narrator of folk ballads; on the 75th anniversary of Oatop Vyshyn's birth. p. 122.
- Ordovska, H.M., Iatskiy, P.M. - Fourth Congress of the Communist Party of the Western Ukraine, on its 30th anniversary. p. 126.
- Prikhod'ko, M.P. - International Congress of Anthropology and Ethnography in Moscow. p. 145.
- Kulnyeh, I.M. - Session devoted to the centenary of the First International. p. 146.
- Semenov, B.II. - 25 years of the State Historical Library of the Ukrainian S.S.R. p. 147.
- Eršov, O.T. - In the Poltava Museum of Local Lore. p. 148.
- Pukhlyns'kyi, V.K. - A rare find. p. 150.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 7, no. 4, Apr. 1965.

Table of contents translated:

- Spirin, L. - V.I. Lenin and the creation of the Soviet command cadres. p. 3.
- Konov, I. - Berlin - Prague. p. 17.
- Ponomarenko, P. - Fighting of the Soviet people in the enemy rear. p. 26.
- Kravchenko, G. - Economic victory of the Soviet people in the Great Patriotic War. p. 37.
- Annun'ov, I. - Across the Tellow Canal. p. 48.
- Telagin, K. - In the final stage of the war. p. 54.
- Sandakov, L. - Across the Carpathians. p. 70.
- The Berlin operation in figures. p. 78.
- With the despair of the doomed. p. 89.
- Kolesnichenko, I. - Party and political work in the Red Army. p. 95.
- Kireeva, M. - Bibliography of the Great Patriotic War. p. 99.
- Merislov, A. - In search of new conceptions. p. 102.
- Loboda, V. - Decorations of military valor, the Order of the Patriotic War and the Order of Glory. p. 111.
- Khmei'kov, A. - Army Commander 2d Rank M.K. Levandovskii. p. 116.
- Nekhonov, G. - Meeting on the Elbe. p. 119.
- Ryzhakov, A. - Liberation of Vienna. p. 121.
- Kutish, V. - The Ruhr operation. p. 124.

#### b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIYA NAUK SSSR, Institut arkheologii. Kratkie soobshcheniia o dokladakh i polevykh issledovaniyakh [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]. Moscow, vol. 103, 1965.

- Antiquities of the northern Black Sea region.
- Table of contents translated:
- Kruglikova, I.T. - The 3d-4th century A.D. Bosporus in the light of new studies by archaeologists. p. 3.

- Pogrebova, M. N. - Several Iranian daggers in the Caucasus. p. 11.
- Cheimalakov, I. T. - On the so-called topping from the Krasnyy Mayak hidden treasure of the late Bronze Age. p. 19.
- Maksimova, M. I. - Myth about the kidnapping of Ganymede in the interpretation of a Bosphorus goldsmith. p. 23.
- Gaidukevich, V. F. - The Myrmecium fossil ash layers "eskaya" p. 28.
- Kastanlan, E. G. - Three unpublished Olbian inscriptions from the Hermitage collection. p. 38.
- Shurgala, I. G. - Pergamum import to Bosphorus in the second century B.C. p. 41.
- Kaposhina, S. I. - Work results of the Kobynkovo Expedition. p. 45.
- Metemt'ev, A. N. - Bronze epoch burial mounds in the lower Don Valley. p. 53.
- Sharafutdinova, E. S. - Foundry mould from the late Bronze epoch settlement of Kobynkovo. p. 58.
- Leskov, A. M. - New founder's workshop of the late Bronze epoch in Kherson Province. p. 63.
- Kozhenkova, V. I. - Excavations of the Serzhen'-Yurt settlement in 1963. p. 67.
- Nikitin, A. L., Levin, V. I. - Excavations of burials in stone boxes near the Aichedary village in 1963. p. 75.
- Karasev, A. N., Levi, E. I. - Work of the Olbian Expedition of the Leningrad Branch of the Institute of Archaeology in 1960-1962. p. 80.
- Brashinskii, I. B. - Excavations in the vicinity of the Olbian temenos in 1960-1962. p. 94.
- Pruglio, V. P. - Founder's mould from Myrmecium. p. 104.
- Sokol'skii, N. I. - Excavations in Sept in 1962. p. 108.
- Peters, B. G. - Excavations of an ancient site near the village of Mikhaylovka in 1963. p. 119.
- Onatko, N. A. - Excavations of the ancient site of Rayevskiy. p. 125.
- Karasev, A. N. - Excavations of an ancient site beside the "Chalka" sanatorium near Yevpatoriya in 1963. p. 131.
- Shcheglov, A. N. - The Tarkhankut Expedition in 1962-1963. p. 140.
- Dashevskaya, O. D. - Explorations in the northwestern part of the Crimea in 1961-1963. p. 148.
- Shilik, K. K. - Practice in using the electric profiling method in archaeological work. p. 153.
- Boltunova, A. I. - Work of the Sector of Classical Archaeology in 1963. p. 157.
- Kastanlan, E. - Classical Archaeology Group of the Leningrad Branch of the Institute of Archaeology in 1962-1963. p. 161.

## 5. SOCIAL SCIENCES

### a COMMERCE

BIULETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII, p. 102zhom [BULLETIN OF FOREIGN COMMERCIAL INFORMATION, Supplement]. Issued by Nauchno-issledovatel'skii kon'funkturalnyi institut [Scientific Research Institute of Economic Trends]. Moscow, no. 3, Apr. 1965.

No. 1, Mar. 1965.

Contents: Lushina, N. V. [Concise manual on the foreign exchange of African countries] Kratkii spravochnik po valutam afrikanских stran. 35 p.

No. 2, Apr. 1965.

Contents: [Foreign trade of the economically developed capitalist countries and the developing countries; a statistical manual] Vneshnaya torgovlya ekonomicheskii razvitykh kapitalisticheskikh stran i razvivayushchikh stran; statisticheskii spravochnik. 133 p.

No. 4, Apr. 1965.

Contents: Borodavskii, A. D. [Canada's trade in forest products for papermaking] Torgovlya Kanady lesobumazhnyimi tovarami. 40 p.

No. 5, Apr. 1965.

Contents: [Present-day business conditions of the capitalist economy and the conditions on the main commodity markets] Sovremennaya kon'unktura kapitalisticheskogo khozaystva i polozhenie na osnovnykh tovarnykh rynkakh. 230 p.

No. 6, May 1965.

Contents: Treshchenko, O. I. [License export as a means for strengthening the position of chemical monopolies on foreign markets] Eksport litsenzii kak sredstvo usileniya pozitsii khimicheskikh monopolii na vneshnikh rynkakh. 19 p.

No. 7, June 1965.

Table of contents translated:  
Irgunov, A. A. - On the economic unity of Arab countries. p. 1  
Voznesenskaya, N. N. - Economy and foreign trade of Laos. p. 12

BUKHGALTERSKII UCHET [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 21, no. 10, Oct. 1964.

Table of contents translated:  
Editorial: For further improvement of the welfare of the Soviet people. p. 3.  
Granovskii, G. - Prepare annual reports on time. p. 7.  
Kniazev, G. - Ways to improve the economic analysis of the managerial operation of enterprises. p. 8.  
Smorodin, M. - Method for analyzing the profitability of the wholesale vegetable and fruit trade. p. 16.  
Iatsura, N. - Centralizing accounting in an enterprise. p. 18.  
Spirin, V. - Operation control over production costs. p. 21.  
Rozovskii, B. - Relationships between the auditor and the investigator. p. 26.  
Glebov, A. - Economic council in operation. p. 29.  
Bishayev, M., Lukin, V. - Accounting for orders in a production combine. p. 30.  
Glukhov, A. - Machine accounting for materials. p. 32.  
Makhlakh, S. - Machine accounting in river transportation. p. 37.  
Urtanov, N. - The accountant in the effort to combat losses resulting from waste. p. 40.  
Krys', I. - How we analyze the work in an automotive transportation unit. p. 41.  
Iakovlev, A. - Accounting for payments to suppliers in mixed trading. p. 44.  
Trofimov, M. - Journal-voucher accounting system in supply and sale organizations. p. 47.  
Gumeniuk, L. - Improve the calculation of the cost of coal production. p. 49.  
Sallinov, A. - On the problem of calculating production costs. p. 51.  
Kryka, Mitin - Organization of machine accounting in the wholesale trade of the Socialist Republic of Czechoslovakia. p. 53.  
Mandadzhiev, I. - Mechanization of accounting and computing work in the People's Republic of Bulgaria. p. 61.  
Stukov, S. - The American system of standard cost accounting. p. 63.  
School of progressive practice in accounting and analysis. p. 75.  
In the Moscow Economic Council. p. 77.  
In the Lithuanian Economic Region. p. 77.

Vol. 22, no. 3, Mar. 1965.

Table of contents translated:  
Donsov, A. - First work results of a centralized bookkeeping office. p. 3.  
Libinzon, S. - Centralization of planning and accounting in electric power systems. p. 11.  
Kurliukov, N. - Create centralized accounting offices attached to printing administrations. p. 13.  
Gordon, B. - Machine accounting for loading production in serial machinery manufacturing. p. 16.  
Minkin, Z. - Distribution of hourly wages. p. 20.  
Minovskii, A. - Distribution of expenditures for maintenance and operation of equipment. p. 22.  
Muralimov, Sh. - Accounting and distribution of overhead costs in automotive transportation units. p. 24.  
Gradshteyn, I. A. - Analyzing the influence of measures in new technology. p. 26.  
Ganchev, P. - Improve the intradepartmental financial control. p. 33.  
Pali, V. - Role of actual control during audit. p. 35.  
Tishchenko, E., Polikova, S. - Use of alphabetic punched card machines. p. 38.  
Klempert, I. A. - Use of a computing punched card machine in machine accounting for payments to workers and employees. p. 41.  
Pak, V., Petrova, I. - Machine accounting for construction and assembly work in the petroleum industry. p. 44.  
Kniazhevskii, S. - Machine accounting in the North-western River Steamship Company. p. 47.  
Yasev, S. - Organization of business accounting within individual units of a plant. p. 50.  
Beskorovnina, E. - Improve the accounting for output. p. 52.  
Gol'man, L., Kishko, I. - Accounting for yarn and semifinished products. p. 55.  
Khelifis, I. - Struggle for communist labor in accountants' collectives. p. 60.  
Ivanov, S., Matov, I. - Evaluation of the unfinished production and the distribution of indirect expenditures. p. 61.  
Akhlanov, M. - Simplify documentation and payments in centralized transportation. p. 64.  
Moleseenko, G. - On the use of dual cards in the wholesale trade of the Democratic Republic of Germany. p. 68.

New instruction. p. 78

In the Collegium of Ministry of Finance of the U.S.S.R. p. 77.  
Brief news p. 79.

Vol. 22, no. 4, Apr. 1965.

Table of contents translated:  
Iakimov, V. - Centralize the accounting in public institutions. p. 3.  
Kovalenko, S., Tretyus, M., Vaisman, D. - Centralization of accounting in a metallurgical combine. p. 6.  
Dubershteyn, B., Zisman, Z. - Centralization of accounting in a shoe manufacturing combine. p. 10.  
Mezentsev, P. - Centralized accounting office of trade and enterprises and public dining-room trusts. p. 12.  
Karakoz, I. - Operational accounting information of an enterprise. p. 16.  
Tratavskii, I. - Improving the accounting in forging production. p. 20.  
Savin, V. - Accounting and distribution of expenditures for production maintenance. p. 23.  
Kofman, I. - Accounting in public dining enterprises. p. 26.  
Chichvayn, I. U. - Standard recording of individual orders. p. 30.  
Seostanov, V. - Method of cost accounting excluding the intraplant movements of semifinished goods. p. 39.  
Belobzhetskii, I. - Accounting for the unfinished production. p. 43.  
Gol'dina, R. - Accounting for materials and the potentialities of production. p. 46.  
Trifonov, N. - Operational accounting in the meat industry. p. 50.  
Shul'man, S. - Reduce accounting costs for meat production. p. 52.  
Maslov, V. - Accounting for the finished products and shipped goods. p. 54.  
Rubinshtein, G. - Give more attention to the accounting for the uncompleted planning. p. 55.  
Survey of newspapers. p. 57.  
Isakov, V. - Accounting forms where machine accounting is in effect. p. 63.  
Conference on standard accounting method. p. 69.  
In the Ministry of Finance of the U.S.S.R. p. 77.  
Seminar on machine accounting. p. 78.

KOOPERATOR KAZAKHISTANA [THE COOPERATIVE WORKER OF KAZAKHISTAN]. Issued by Soiz potrebiteľskikh obshchestv Kazakhskoi SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 9, no. 4, Apr. 1965.

SOVETSKAYA POTREBITEL'SKAYA KOOPERATSIIA [SOVIET CONSUMER COOPERATION]. Issued by Tsentral'nyi soiz potrebiteľskikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 9, no. 4, Apr. 1965.

Table of contents translated:  
Lenin's ideas light our way. p. 1.  
Mar, E. - Stories about Lenin. p. 4.  
Gordeev, I. - Unforgettable. p. 7.  
Zharkov, S. - In Lenin's homeland. p. 9.  
Vakulin, F., Trusov, N. - In the interest of the development of socialism. p. 11.  
Ponomarenko, N. - Automobile store reaches the fields. p. 15.  
Shkabel'nikova, Z. - Students' nutrition is our daily concern. p. 17.  
Derigazov, I. - Training of cooks in cafeteria schools. p. 18.  
Moldatov, T., Globin, B. - Let's conduct the procurement of wool in an organized way. p. 20.  
Zolotarevskii, I. - Work of innovators at the enterprises. p. 22.  
Let's buy more and store better.... p. 24.  
Sudakov, E. - Man with a generous heart. p. 26.  
Somushkin, V. - Stores should have modern equipment. p. 30.  
Khachaturov, I. U. - Commerce needs efficient advertising. p. 33.  
Korovin, G. - Planning the structure of solvent demand. p. 36.  
Kniazeva, R. - Hidden potentialities of reducing expenses and losses on boxes and containers. p. 39.  
Iakovenko, G. - This should not be tolerated. p. 42.  
Opel'baum, Sh. - Delivery, reception and storage of merchandise. p. 43.  
New merchandise. p. 48a.  
Afrutkin, Sh. - Development of rural demand. p. 51.  
Along the road of socialism. p. 54.  
Andreeva, I. - Summer fashions. p. 60.  
Provtorov, V., Tararashkin, I. U. - Useful manual. p. 63.

## SOVETSKAYA TORGOVIA [SOVIET COMMERCE]

Issued by Gosudarstvennyi komitet Soversha Ministra, SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce] Moscow, vol. 38, no. 4, Apr. 1965.

## Table of contents translated

- McKhalov, B. - V.I. Lenin, and commodity and monetary relations. p. 1.
- Grigor'ev, S. - Funds are not necessary. p. 1.
- Koturina, V. - Construction of commercial buildings today and tomorrow. p. 8.
- Balkov, G. - Chief criterion. p. 15.
- Goliatov, N. - Clothing production and trade. p. 19.
- Gusev, I.U. - Account thoroughly for deliveries. p. 23.
- Zamkovskii, D. - Direct ties and the wholesale trade of clothing goods. p. 25.
- Gukunov, V., Zolotarevskii, I. - Losses instead of income. p. 28.
- Matsevich, B., Iuchenkov, I. - Bring jo, to the people. p. 31.
- Shvufin, D. - Business accounting and several problems of issuing credit. p. 33.
- Mardamshin, Kh. - The turnover tax should be levied in the retail trade. p. 36.
- Grisluc, M. - Two suggestions. p. 37.
- Putiatina, V. - Plan on the basis of economic efficiency. p. 37.
- TSol, H. - When the planning department is kept in the background. p. 39.
- Lavruskin, B. - Remark. p. 39.
- Khasanov, M. - For closer ties with production. p. 41.
- Diagilev, V. - The bookseller and the customer. p. 43.
- Pishchansk, I. - Erroneous, but official. p. 44.
- Dzhagizian, A., Sokolov, I.A. - Inventories and control. p. 45.
- Zozuli, A. - Department store struggles for high quality. p. 46.
- Shaduro, P. - They come here for advice. p. 47.
- Minkov, Kh. - Organization of the delivery of goods to stores. p. 48.
- Semyulina, A. - What to advise to customers. p. 50.
- Kalugin, E., Kamenov, S. - Good types of equipment. p. 53.
- Vladimirov, I. - Good start. p. 56.
- Kharchenko, N. - Decorating shopwindows and interiors with greenery. p. 58.
- The All-Union Conference on Designing and Building Commercial Enterprises. p. 61.

Vol. 38, no. 5, May 1965.

## Table of contents translated.

- Editorial: Urgent measures. p. 1.
- Shataurova, A. - Working and living conditions should receive constant attention. p. 3.
- Sushchuk, M., Kurak, S. - Electronic data processing in the service of the study of demand. p. 8.
- Ivanov, G. - Electric household appliances and demands for them. p. 11.
- Mozhenko, D. - Quality of furniture and its construction. p. 15.
- Laptev, L. - Commerce and the State Bank. p. 18.
- Gubarev, S. - Heroes' meeting. p. 20.
- Zhovinskaya, T. - In combat and in labor. p. 21.
- Bykova, L. - Department store and its branches. p. 23.
- Lopushanskii, A., Mel'nik, N. - Development of the turnover of goods in Moldavia. p. 25.
- Zatsebenko, A. - Conventional form of selling vegetables,

ments and difficulties.

p. 33.  
commodity expert.

administrative

- Fridman, I.A. - Credit sales become popular. p. 40.
- Finkel'shteyn, I. - Beyond the Arctic circle. p. 41.
- Vladova, N. - Awarding bonuses to trade workers. p. 43.
- Markushevich, A. - Among the Vilnius architects. p. 54.
- Solusianova, N. - Use cash registers correctly. p. 58.

TORGOVIA ZA RUBEZHOM; organizatsia, novye metody, tekhnika torgovli i masovogo pitania [TRADE ABROAD, Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, nos. 3-5, Mar.-May 1965.

VNESHNIAIA TORGOVIA [FOREIGN TRADE]. Organ of Ministerstvo vneshe torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 45, no. 5, 1965.

## Table of contents translated:

- Yolkov, N. - Results of two decades. p. 3.
- Chistiakov, M. - Further developing of Soviet-Czechoslovak cooperation. p. 10.
- On Soviet-Pakistan trade relations. p. 14

- Sokolov, A. - OPW [common freight car pool] in the service of fraternal nations. p. 15.
- Grachev, I.U. - Business ties with neutral Austria become stronger. p. 17.
- Deisl, N. - Algeria is interested in expanding trade with the U.S.S.R. p. 20.
- Gerish, E. - We are leaving for Turkey with good results. p. 20.
- Frel, L. - Foreign financing of the developing countries. p. 23.
- Babadzhanian, A., Khudobin, L. - Impressive show of scientific and technological achievements. p. 30.
- Gavrilov, E. - Legal protection of industrial designs. p. 37.
- Treaties and agreements. p. 45.
- Announcements. p. 47.

## ZAKUPKI SEL'SKOKHOZIAISTVENNYKH PRODUKTOV

[PURCHASES OF AGRICULTURAL PRODUCTS]. Issued by Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee of Procurements of the Council of Ministers of the U.S.S.R.]. Moscow, no. 5, May 1964.

## Table of contents translated:

- Ensure the fulfillment of contractual agreements. p. 1.
- Korytkov, N. - The country will get more of the Kalinin flax. p. 3.
- Klimov, A.P. - Improve the cooperators' efficiency in state deliveries of agricultural products. p. 6.
- Bugrimov, E.I. - Observe a strict state discipline in procurement. p. 12.
- Kniazev, N. - Improving quality is one of the potentials for increasing state deliveries of milk. p. 17.
- Nikuradze, D. - Goals of the Georgian purchasing agents. p. 20.
- Zhavronkov, A. - Efficiency of the preliminary cooling of early fruit and vegetables. p. 24.
- Abolin, V. - This might not have happened. p. 26.
- Jaunsteins, E., Razumikhina, A. - Made in Riga. p. 28.
- We will be fully prepared to receive the new harvest. p. 30.
- Usfihov, M. - Beans. p. 31.
- Ivanov, M. - Buckwheat procurement should be increased several times over. p. 34.
- Musarmamov, T. - Mechanization of cattle fattening. p. 37.
- Grin'ko, S. - Obstacles on the path of the flow of milk. p. 41.
- Brifenko, I. - The power of contractual agreement is in the control over its fulfillment. p. 42.
- Sorokin, S. - Taman' should become a Soviet Champagne. p. 44.
- Ivanov, K. - Is it permissible to make cattle deliveries to the industry on the basis of dressing percentage and meat quality? p. 45.
- Koshel'ev, V. - Indifference in the enemy of the "blue virgin land." p. 47.
- The reader suggests, advises and argues. p. 50.
- Nazarevskii, L. - Buses established for collective and state farms for fulfilling contractual agreements. p. 54.
- In study and work. p. 57.
- Martynov, I. - Pledge of the cotton growers of Kirghizistan. p. 58.
- Potseluev, N. - The Kolpashevo Fur Farm. p. 60.
- Borisenco, V. - Gravity-flow malt-residue pipeline. p. 60.
- Grain procurement in Sweden. p. 62.
- For you, the inquisitive ones. p. 61.

No 3, Mar. 1965.

## Table of contents translated:

- Preparation of the technical base of grain procurement centers should be accomplished at a rapid pace. p. 1.
- Rogozhkin, A. - Current problems. p. 4.
- Romanov, A. - "Tight spots" in the work of grain procurement centers. p. 6.
- Khizanov, A. - Rushed in the daytime, but idle at night. p. 9.
- Nazarov, S. - Watermelons, melons, and pumpkins. p. 11.
- Butrimenko, V. - In full readiness! p. 13.
- Shashurin, P. - Some problems of the economics of grain receiving enterprises. p. 16.
- Ivanov, M. - Where is that famous Don wheat? p. 19.
- Polunin, A. - Justified and expedient. p. 21.
- Zhukov, I. - A prospect for developing flax production. p. 24.
- Kantsepol'skii, A. - Rug wool. p. 27.
- Borisova, E., Davydov, A. - Direct ties of farms with dairy stores. p. 29.
- Business-improving suggestions. p. 31.
- Supply grain procurement centers in the Virgin Territory with a capable force of workers. p. 31.
- Mampel', I., Raikil, N. - Improve cattle's dressed weight. p. 33.
- Stepanchenko, B. - Cattle fattening on the "Permakly" virgin-land state farm. p. 36.

- Kurinov, G. - It is difficult for the Kakhovka farmers to market vegetables. p. 39.
- Gudnev, D., Kuznetsov, N., Shikhina, N. - Improve the system of delivering and receiving cattle. p. 41.
- Karpa, A. - Efficiency of the forward contractual agreement. p. 45.
- Adelanova, A. - Where is the high quality standard of certified-seed-producing farms? p. 46.
- Gulincev, I. - State deliveries of fur and game meat should have one horse. p. 46.
- Makichan, G. - 280% of the plan. p. 47.
- Determining the quality of received grain. p. 48.
- Buluzov, E. - Good start. p. 48.
- State delivery news. p. 50.
- Gagar'skii, P. - Practice and know-how are the secrets of success. p. 52.
- Bocharnikov, V. - Fur obtained without a shot. p. 54.
- Pickly lines. p. 56.
- Tevosian, V. - Temporary distribution of grain. p. 58.
- Foreign practice. p. 61.
- Marshak, M. - Milk and man's health. p. 63.

## b. ECONOMICS

EKONOMIKA I MATEMATICHESKIE METODY [ECONOMICS AND MATHEMATICAL METHODS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 1, no. 1, Jan.-Feb. 1965.

## Table of contents translated:

- Nomchinnov, V.S. - Statistical model of the social division of labor. p. 5.
- Kontus, A.A. - Marx's mathematical schemes as the basis for calculating the interbranch balance. p. 36.
- Boharskii, A.I.A. - Optimal correlation of the subdivisions of national production. p. 47.
- Kalecki, Michal - Problems of the optimal structure of consumption. p. 54.
- Fomin, D.S. - Models of the optimization of current foreign trade plans. p. 62.
- Lebedev, S.S. - Finite method of solving nonlinear transportation-type problems. p. 71.
- Gol'shtein, E.G. - Modification of the simplex method. p. 83.
- Kim, K.V. - Use of the specific forms of a problem in the simplex method. p. 86.
- Little, J.D.C., and others. - Algorithm for solving the traveling salesman problem. p. 84.
- Truse, E.B. - Solving the distributive problem by the method of consecutive reduction of errors of closure. p. 108.
- Buelenko, N.P., Sokolov, G.A. - Class of optimal distribution problems. p. 123.
- Lau'v, A. - Economic significance of a capital investment efficiency standard and the calculation of interest for capital investments. p. 137.
- Tikhomirov, I.U.M. - Linear programming has been in use for 20 years. p. 140.
- Vasilii Sergeevich, Nomchinnov, 1894-1964. p. 163.

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Institut ekonomiki Akademii nauk USSR [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 4, Apr. 1965.

## Table of contents translated:

- Vinyuk, D. - The Leninist principle of the unity of economic theory and practice. p. 3.
- Nesterenko, O., Kalyta, M. - Methodological problems of economic research. p. 10.
- Danyliuk, Z., Danyliuk, M. - Role of the Ukrainian economy in the Soviet Union's victory over fascist Germany. p. 16.
- Torshchenko, M. - Current problems of developing ferrous metallurgy in the Ukraine. p. 21.
- Pollshchuk, O., and others. - Expediency of capital investments into mining enterprises is obvious. p. 27.
- Zdornov, I., Samoilovych, R. - Wholesale prices for new products. p. 33.
- Semenluc, I. - Economic efficiency of using polymer building materials. p. 37.
- Romanenko, I., Buhuts'kii, O. - Potentialities of increasing labor productivity in the agriculture of the Ukrainian S.S.R. p. 44.
- Kuznink, B. - Planning the collective-farm production. p. 54.
- Lytvynov, M. - Intensify state farm specialization in Nikolayev Province. p. 57.
- Chukhno, D. - Distribution and specialization of fruit culture and viticulture in the Ukraine. p. 60.
- Popovych, H., Ishchenko, V. - Economic efficiency of rice production in the southern Ukraine. p. 66.
- Kornienko, V. - Problem of the communal division of labor. p. 70.
- Korostash, A. - Important condition for increasing production efficiency. p. 77.

Demchenko, V., Sushchyn'ska, I., Fedoryshcheva, L. - Improving the forms of industrial management in the European socialist countries. p. 81.  
 Shakhin, I. - Pave the way to the production of malt extracts. p. 86.  
 Shatuk, P. - We are fighting against the excessiveness. p. 86.  
 Vlasenko, V., Pehonilev, R. - Reduce labor expenditures and production costs in hop growing. p. 86.  
 Bab'sky, I. - Economic conference in a region. p. 90.  
 In the propagandist's notebook. p. 91.

# KONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 40, no. 4, Apr. 1965.

Table of contents translated.  
 Editorial: Strengthening the economy of collective and state farms is the concern of the whole party and the entire nation. p. 1.  
 Karolam, N. - Along the Lenin path. p. 10.  
 Kolesov, S. - Several problems of the upsurge in agriculture. p. 18.  
 Tlapkin, N., Lapan, B. - Scholars discuss the most important problems of price determination. p. 24.  
 Boev, V. - Determining the net income in planning the state delivery prices. p. 27.  
 Lukinov, I. - State purchasing prices and optimal profitability. p. 32.  
 Grushetskii, L. - Improving the planning of delivery prices. p. 36.  
 Kalinin, A. - How to determine the required aggregate rate of profit. p. 40.  
 Artemenko, N. - Analysis of using tractor depot. p. 43.  
 Morozov, I. - Dynamic model of cattle fattening. p. 48.  
 Langel'd, F. - Practice in developing the specialization of collective and state farms in Balashov District. p. 58.  
 Gulechik, K., Blankman, I.A., Lych, G. - Influence of the structure of capital assets on the production level of collective farms in White Russia. p. 66.  
 Tit'kov, A. - Production sections on the collective farms of the Mari A.S.S.R. p. 74.  
 Suleimanov, G. - Use the guaranteed portion of income for paying wages. p. 76.  
 Krainuk, P. - Practice in paying wages in cotton-growing brigades working on a business accounting basis. p. 78.  
 Lashchenko, S. - Construction, land, and economic expediency. p. 82.  
 Grigorash, N. - For a better development of irrigated lands. p. 90.  
 Nemtsov, V. - Scientific bases of teaching economic disciplines in agricultural institutions of higher learning. p. 94.  
 Shakhmardanov, Z., Golln, P. - Change the procedure in receiving sheep. p. 102.  
 Tomlin, E., Fomin, A. - Sapropel increases field productivity. p. 103.  
 Sherbaev, Kh. - Keep a separate cost accounting for each type of cotton. p. 105.  
 Orlovskaya, S. - Increase of capital investments in the agriculture of Bulgaria. p. 108.  
 Nazarenko, V. - Feed resources of the U.S.A. p. 112.  
 Voloskov, G. - Experimental wage systems on collective and state farms. p. 120.

Vol. 40, no. 5, May 1965.

Table of contents translated.  
 Anisimov, N. - Great exploit of Soviet peasantry p. 1.  
 Florant'ev, L., Tshikoto, I. - Every collective farm should have an economically sound plan for state deliveries of agricultural products. p. 9.  
 Kintzev, N. - Develop communal stockbreeding in every way possible. p. 20.  
 Rumiantseva, A. - Optimum size of collective farms. p. 28.  
 Pintonov, A. - Procedure for selling mixed feeds to collective and state farms. p. 44.  
 Nazarova, O. - Maximum feeds from a minimum area. p. 49.  
 Volovik, A. - For the efficient use of capital investments in agriculture. p. 59.  
 Shefer, G. - Advantages of harvesting shelled corn. p. 63.  
 Simanovskii, O. - Specialization and size of collective farm. p. 68.  
 Safronov, V. - Combining accumulation and consumption on collective farms. p. 75.  
 Kluuev, M., Neshitalo, I. - Piecework-bonus wages in mechanized brigades. p. 79.  
 Mamontov, F., Kondrakhin, N. - Collective farm shifts to consolidated brigades. p. 82.  
 P'lynykh, M. - Evaluating the economic efficiency of black and green fallows. p. 85.  
 Nemets, K. - Unsolved problems of teaching the "Economics of socialist agriculture" course. p. 92.

Meksin, D. - Planning deficiencies result in farm losses. p. 99.  
 Savanskii, I.A. - Wage and work classification of mechanized and tractor work. p. 103.  
 Timoshkin, V. - Increase horse meat production in Kazakhstan. p. 104.  
 Rudakov, E. - Practice in material incentives in the European socialist countries. p. 108.  
 Ostrov, L., Simonov, G. - Interuniversity academic production conference on the use of land. p. 120.  
 Makarov, M., Slintsyn, I. - Coordinating conferences of agricultural economists. p. 122.  
 Readers' conferences. p. 125.

# EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Sovershaistvo SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. on Construction]. Moscow, no. 12, Dec. 1964.

Table of contents translated.  
 Editorial: Ushakov, B. - Overcome the lag and strive for success. p. 3.  
 Zenkov, A. - The chemical industry of southern Kazakhstan. p. 7.  
 Chaikin, S. - The Omsk industrial center, from practice in working out a scheme for a single general plan. p. 11.  
 Bashimakov, I.U. - Territorial administrations and general supply bases. p. 14.  
 Shakhin, R. - Without accounting and control. p. 16.  
 Gusakov, A. - Supply base and continuous operation. p. 19.  
 Rybalskii, V. - Use cybernetics in construction. p. 23.  
 Pisarev, B. - Concentration of housing construction and labor productivity. p. 27.  
 Sil'vanovich, G., Demin, I.U. - Economics institute staffed with volunteers. p. 29.  
 Seminar for the construction workers of Transcaucasia on construction economics. p. 31.  
 Disseminate the achievements of the progressive collectives among all construction organizations. p. 32.  
 Aliyade, N. - Our profit is above the plan. p. 36.  
 Andreev, T. - Suggestions prompted by practice. p. 37.  
 Maidanov, M. - Along the path of technological progress. p. 39.  
 Kutateladze, T. - Projects in the final stages of construction should have combined schedules. p. 40.  
 Chirkhian, G. - Construction projects should have sound plans. p. 42.  
 Rappoport, G. - The interrepublic specialization and cooperation of enterprises. p. 43.  
 Recommendations of the seminar participants. p. 44.  
 Nasedkin, V. - Problems requiring prompt solutions. p. 47.  
 Safonov, I. - We are uncovering our potentialities. p. 52.  
 Smirnov, M. - Standard regulation should be amended. p. 53.  
 Givovskii, V. - Role of profit in construction. p. 55.  
 Iman, B. - Establishing norms for construction time in housing. p. 61.

# LAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no. 5(79), May 1965. [In Lithuanian]

# MIROVALA EKONOMIKA I MEZHHDUNARODNYE OTNOSHENIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, 1965.

Table of contents translated:  
 Rubinskii, I.U. - Weakening of the system of imperialist alliances. p. 3.  
 Solodovnikov, V. - Ways of the economic progress of the developing countries. p. 14.  
 Lomlin, I. - Foreign policy of the U.S.A. motive forces and trends. p. 23.  
 Medovoi, A. - Characteristics of the concentration of production and capital in India. p. 38.  
 Khesin, E. - British economic problems and Labor policy. p. 50.  
 Gokhinan, V., Karpov, L., Kovalevskii, V. - A trend of the economic expansion of the U.S.A. p. 62.  
 Ankin, A. - Inflation and its problems. p. 71.  
 Khlymov, V. - Present-day condition of the working class in Japan. p. 80.  
 Zagorakina, M. - Professor Greve "reforms" NATO. p. 92.  
 Kravchenko, V. - The "Pieraccini plan." p. 93.  
 Elinger, I.A. - African and Malagasy Union: one more reorganization. p. 96.  
 Petrov, D. - Japan and Southern Korea; a deal behind the people's back. p. 99.

Nukhovich, E. - Reorientation of the French "aid" policy. p. 101.  
 Kriventsov, E. - Agricultural problems of Nigeria. p. 104.  
 Kondrashka, A. - The "Kaiser plan." p. 110.  
 Voslenskii, M. - Potentiality of revanchism. p. 116.  
 Nazarevskii, V. - Construction in the U.S.A. p. 120.  
 Kislov, A. - Federal government of the U.S.A. and state rights. p. 129.  
 Zhdanova, L. - Rates of foreign exchange. p. 131.  
 Khrameshchik, V. - New phenomena in modern capitalism. p. 134.  
 Grechikhin, A. - The gross national product and investments in the principal capitalist countries. p. 154.

# MOSCOW, EKONOMIKO-STATISTICHESKII INSTITUT, Voprosy statistiki i ucheta [INSTITUTE OF ECONOMICS AND STATISTICS. Problems of Statistics and Accounting]. No. 6, 1962.

Table of contents translated.  
 Introduction. p. 3.  
 Korolev, M.A., Ezzheva, V.P. - One method of using algorithms in accounting work. p. 5.  
 Vol'son, I.I. - Practice in the use of algorithms for several calculations in wage distribution. p. 24.  
 Ermakov, L.N. - Practice in the use of algorithms in the accounting for and distribution of general factory expenditures. p. 35.  
 Vlasov, A.V. - Practice in the use of algorithms in the formation of several production cost indices. p. 49.  
 Koroleva, E.P. - Method for the study of accounting-planning information. p. 66.  
 Lagunov, G.V. - Methods for developing a system of permanent card indexes in using electronic calculating machines for production management. p. 74.  
 Abanina, A.V. - Results of a study of the possibility of using calculating machines in the analysis of labor indices at machinery manufacturing enterprises. p. 83.  
 Titarenko, G.A. - Existing methods of mathematical formula in the solution of intrafactory production planning problems. p. 105.  
 Fedorov, G.S. - The use of letter writing teletype apparatus for the registration of initial data. p. 124.  
 Staroselskii, E.E. - The economic efficiency of bringing in punched card machines to process telegraphic statistical reports. p. 131.  
 Mitin, S.T. - Compiling itemized programs on punched card machines. p. 147.  
 Nildorova, N.A. - Machine accounting on state farms. p. 157.  
 Grivin, U.I.A. - Analysis of labor intensiveness and the structure of accounting-calculation work in compiling consolidated statistical reports. p. 172.  
 Shechedrin, N.I. - Problems in the mechanization of statistical records in the system of the Central Statistical Administration. p. 183.  
 Sayitskii, N.I. - Journal-voucher form of accounting in connection with the use of keyboard accounting machines. p. 205.  
 Bruk, B.A. - Features in developing a work program for the receipt of summaries of material balances on the tabulators T-5M and IP-80. p. 215.  
 Uskov, N.F. - Method of checking the program of a tabulator for the completion of work. p. 222.  
 Usan, A.M. - Several features of the possibilities of alphabetical punched card and sorting machines of the "Bull" type. p. 227.  
 Kriushin, V.N. - Relay attachments to the tabulator T-5M and sorting machine S45-6 for mechanizing the results of the 1959 all-Union census and other statistical work. p. 249.  
 Uskov, N.F. - Features of the electronic computer "Minsk-1." p. 273.

# MOSCOW, UNIVERSITET, Vestnik. Seria 8: Ekonomika, filosofia [UNIVERSITY. Review. Series 8: Economics, Philosophy]. Vol. 20, no. 3, May-June 1965.

Table of contents translated:  
 Mamedov, Sh.M. - Immortal deed of the Soviet people. p. 3.  
 Mlahn, V.I. - Improving the forms of material incentives for technological progress. p. 10.  
 Sokolov, M.M. - Through the southern regions of France; the agriculture of France in 1964. p. 19.  
 Popov, A.I. - Changes in the sphere of the application of engineering work during the period of the large-scale building of communism. p. 26.  
 Narskii, I.S. - Foundations of neopositivistic ethics rooted in the theory of knowledge and logic. p. 37.  
 Reingol'd, M.Sh. - New forms of the creative activities of the workers' class and their meaning in the period of the large-scale building of communism. p. 49.  
 Shamov, S.A. - Ideas and theory in the outlook of K.E. Tsholokvskii. p. 59.  
 Boriskin, V.M. - The crisis of Christianity and its echo in evangelical theology. p. 69.



- Kojima, G. - Matrix form of the technical, industrial and financial plan, p. 79.  
 Danushin, F.D. - A materialist philosopher, p. 85.  
 Kozlov, I.A. - Philosophers discuss, p. 90.  
 Mikhail Petrovich Osad'ko, on his 60th birthday, p. 93.

**NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]** Issued by Gosplan Armianskoi SSR and Institut ekonomiki Akademii nauk Armianskoi SSR [State Planning Committee of the Armenian S.S.R. and the Institute of Economics of the Academy of Sciences of the Armenian S.S.R.] Eriuan, no. 5, 1965. [In Armenian]

**NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]** Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S.S.R.], Alma-Ata, vol. 23, no. 4, Apr. 1965.

- Table of contents translated  
 Baishiev, S. - Economics is the main field of the struggle for communism, p. 3.  
 Efremov, P. - Control through the rouble, p. 9.  
 Lavorski, D., Amosova, V. - Behind annual report data, p. 18.  
 Mityukovich, A. - Capital assets and production costs, p. 23.  
 Kasyrov, G. - Accounting office and production sector, p. 25.  
 Benzovskii, A., Dulatov, N. - Important means for developing machinery manufacturing, p. 28.  
 Krutkova, N., Satybaldin, N. - Accelerate the development of light industry, p. 34.  
 Korneev, P. - Not fully efficient, p. 37.  
 Kim, K., Dairbekov, Zh. - From mixed brigades to construction assembly brigades, p. 41.  
 Dodin, I.A. - Substitute for coal and mazut, p. 42.  
 All builders should use the network schedule, p. 44.  
 Nurmakov, N. - Obstacles on the path of abundant water, p. 45.  
 Podskulko, N. - Attention schools! p. 47.  
 Ivanov, B. - Bulldozer demands .. to be used, p. 50.  
 Arapov, A., Shipulin, V., Vasil'chev, I. - Minister's orders and reality, p. 54.  
 Rodin, A. - Appeals alone are no longer enough, p. 58.  
 Mekhanoshina, K. - Machine accounting is introduced with difficulty, p. 61.  
 Polovnev, N. - Train computing-machine specialists, p. 63.  
 Baru, M. - Supply economic work with technical equipment, p. 64.  
 Golovchanski, I. - Practical plan is a guarantee of success, p. 68.  
 Mathematical shorthand, p. 70.  
 Stupnikov, V. - The plant is your second home! p. 71.  
 Advice in aesthetics, p. 73.  
 Ores. and bees, p. 74.  
 Skuratov, A., Te, T. - There aren't enough reinforced concrete supports, p. 75.  
 Svetlichnyi, V. - Material is cheap and should be used, p. 78.  
 Kozlova, V. - For business advantage, p. 78.

**REFERATIVNYI SBORNIK 'EKONOMIKA PROMYSHLENNOSTI' [JOURNAL OF ABSTRACTS ECONOMICS OF INDUSTRY]** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 5-6, May-June 1965.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools, Economics]**, Moscow, vol. 8, no. 3, 1965.

- Table of contents translated.  
 Prokhorov, S. - The most important, the main thing for the victory of communism, p. 5.  
 Khessin, N. - Planned and proportionate organization of productive work, p. 14.  
 Spiridonova, N. - Guiding principle of socialist administration, p. 25.  
 Babin, M. - Lenin on the scientific organization of work, p. 34.  
 Varzin, N. - Principles of establishing socialist work norms, p. 43.  
 Atlas, M., Spanovskii, V. - Main points of public accounting, p. 50.  
 Stalbor, V., Simionov, I.U., M'shenko, V. - Creativeness of the masses and technological progress, p. 55.  
 M'oreve, E. - Structure of state capitalism in the transition period, p. 63.  
 Krylov, V. - Statistics is a tool for obtaining scientific information, p. 69.  
 Kruglov, V. - Profundity of Lenin's penetration, p. 71.  
 Filatov, K. - Combining is a condition for improving the efficiency of production, based on the example of the food industry, p. 77.

- Makova, V. - Methods of linear programming in estimated planning calculations, p. 84.  
 Medvedev, M. - Production of a rational assortment of metal, p. 90.  
 Varga, E., Kompaktor, B. - From practice in teaching political economy in Hungary, p. 96.  
 Bobrov, K. - Nationalization of industry in the developing countries, p. 103.  
 Leiberg, M. - Structure of the course in the economic history of capitalist countries, p. 122.  
 Pechnikov, V. - For a wider use of new forms of teaching, p. 126.

**SBORNIK PRAVIL PEREVOZOK I TARIFOV V ZHELEZNO-DOROZHNOGO TRANSPORTA SOIUZA SSR [COLLECTION OF REGULATIONS GOVERNING RAILROAD TRANSPORTATION AND RATES IN THE U.S.S.R.]** Issued by Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.], Moscow, no. 199, Sep. 1964.

**VESTNIK STATISTIKI [STATISTICAL REVIEW]** Organ of Tsentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.], Moscow, no. 5, 1965.

- Table of contents translated.  
 Gurevich, S. - Facts and figures on the Soviet economy during the years of the Great Patriotic War, p. 3.  
 Khebnikov, V. - Analysis of the profitability of agricultural production, p. 19.  
 Zaitseva, A. - Stocks of goods in the trade system are the most important index of the correlation between the supply and demand, p. 20.  
 Bolarskii, A. - Some problems of the analysis of the reproduction of the means of production, p. 37.  
 Krutkov, F. - Methods of calculating the coefficients of demand elasticity in Poland and Czechoslovakia, p. 46.  
 Zel'tser, P. - Accounting for production areas ready for the assembly of equipment, p. 54.  
 Ugol'ko, I.U. - Volunteer council for aid in accounting and reporting, p. 60.  
 Felobok, V. - How I verify the reliability of report data, p. 63.  
 Konovalev, A. - In close contact with families which are under [statistical] investigation, p. 65.  
 Alakhov, B. - There is a need for an interbranch plan for overall machine accounting, p. 69.  
 Levinson, A. - Our practice in improving the SP-22 accounting machines, p. 72.  
 Statistical problems discussed in newspapers and journals, p. 79.  
 E.P. - Conference of the statisticians of the Latvian S.S.R., p. 80.  
 Z.G. - Workers of industrial statistics discuss further work prospects, p. 82.  
 Zavrin, I.V. - Budget statisticians exchange experience, p. 84.  
 Pletneva, A. - Seminar on trade statistics, p. 84.  
 Main results of the simultaneous census of stocks of non-food stuffs, as of October 1, 1964, p. 86.

**VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]** Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U.S.S.R.], Moscow, no. 5, May 1965.

- Table of contents translated:  
 Konovalev, O. - Main trends in the development of agricultural machinery manufacturing, p. 3.  
 Khalina, R., Khaidas, G. - Problems of improving the organization of supply of materials and equipment for agriculture, p. 15.  
 Iskov, N. - Developing a food supply base in the non-Chernozem zone of the R.S.F.S.R., p. 22.  
 Potemkin, P., Deviatov, G., Sorokin, V. - Economic problems of creating and mastering new enterprises in Siberia, p. 26.  
 Olsason, R. - Business accounting and incentives for using capital assets, p. 33.  
 Rheinman, S. - The logic and stages of the development of large-scale machinery manufacturing, p. 48.  
 Kistanov, V. - Some problems of the comprehensive development of economic regions, p. 59.  
 Sorokin, G. - National economy of the U.S.S.R. during the years of the Great Patriotic War, p. 66.  
 Gorizontov, B. - Ways of developing transportation in the system of the international socialist division of labor, p. 82.  
 Kudriavtsev, A. - Samuelson's "neoclassical synthesis" and bourgeois political economy, p. 90.  
 Dvorkin, I. - "Cybernetic revolution" and its reflection in the economics literature of the U.S.A., p. 98.  
 Problems of improving the economic incentives for developing agricultural production, p. 120.  
 Kalita, E. - Quality of materials and the economics of the enterprise, p. 131.  
 Usupov, V. - Paying wages to state-farm workers according to their qualifications, p. 133.  
 Molchanov, A. - Research work in a higher school of economics, p. 137.

- Conference on statistical methods of studying the potentialities of industrial production, p. 139.  
 First academic and technical conference of young Moscow scholars, p. 142.  
 Meetings with the "Voprosy ekonomiki" readers, p. 145.  
 Ostrovskii, K. - Problems of the economic development of the European socialist countries, p. 151.  
 Obolenskii, K. - The 12th Conference of the International Association of Agricultural Economists, p. 155.

## c. FINANCE

**FINANSY SSSR [FINANCE OF THE U.S.S.R.]** Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.], Moscow, vol. 39, no. 5, May 1965.

- Table of contents translated:  
 Dandukov, G. - Problem of great state importance, p. 3.  
 Nedelin, S. - Some problems of financing and issuing credit to agriculture under the new conditions, p. 12.  
 Tamarchenko, M. - Soviet finance during the period of the Great Patriotic War, p. 23.  
 Samoilov, V. - Nationwide patriotic movement, p. 28.  
 Rabinovich, M. - First practice in centralized accounting offices in industry, p. 33.  
 Konstantinopol'skii, I. - Use possibilities to better advantage, p. 40.  
 Mikhilap, V. - Exercise a more active influence on the economy of state farms, p. 43.  
 Gerasimenko, E. - Save time and labor, p. 48.  
 Gribov, A. - From an unprofitable one to a highly profitable one, p. 49.  
 Farmanov, A. - What goes unnoticed by the plant financiers, p. 50.  
 Diadin, V. - Put light and food industry enterprises faster into operation, p. 54.  
 Goncharenko, L., Surzhko, Z., Dodusenko, V. - The collective is awarded a high title, p. 58.  
 Abyzov, E., Samyshkin, M. - Important form of financial control, p. 62.  
 Bevza, A., Leghin, R. - We are uncovering possibilities for additional output of goods, p. 64.  
 Stepanov, A. - Potentialities of the refrigeration industry, p. 65.  
 Shelemekh, A. - Know everyday results, p. 67.  
 Replies to the editor, p. 68.  
 Kheifets, S. - How to compile verifying ("chess") balance, p. 69.  
 Sherikh, M. - Analysis of the fulfilling of the plan for volume of production, p. 74.  
 Chizhov, K. - Problem of international liquidity and the foreign exchange contradictions of capitalism, p. 79.  
 Instruction on the procedure in using the profit from the sale of new types of chemical products serving everyday needs, p. 91.  
 Issuing credit for the expansion of the production of consumer's goods and improvement of service industries, p. 92.  
 Planning in agriculture, p. 93.  
 Planning and accounting for financial results in supply and sale organizations, p. 94.  
 Conference of financial workers' activist group, p. 94.  
 Letter to the editor, p. 95.

## d. LABOR

**SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]** Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi plati [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems], Moscow, vol. 10, no. 2, 1965.

- Table of contents translated:  
 Zmaga, P. - Merits and demerits of the new bonus system, p. 4.  
 Reshetniak, V. - Conclusions and suggestions, p. 6.  
 Bykov, B., Pechorskii, G., Epshteyn, L. - Efficiency of material reward for the quality of production, p. 14.  
 Pilipenko, V., Savich, D. - The story told by the Donets experience, p. 18.  
 Gol'dunskii, P. - Specifications which are necessary to make, p. 21.  
 Danilovich, V. - The White-Russian practice continues, p. 25.  
 Aparin, N., Galitskii, I. - Issuing bonuses to workers for products accepted on first delivery, p. 32.  
 Aleksaev, I. - Material incentives for chemical industry workers, p. 37.  
 Kagan, I.A. - The foreman's fund, p. 39.  
 Chikirev, N., Arkhipov, A. - Need for the hourly bonus wage system and difficulties in applying it, p. 42.

Artemov, IU. - Improve the system of paying bonuses to production combine workers. p.47.  
 Lopatin, E. - Communal and everyday-need service, and the economic levers. p.49.  
 Control over the wage fund disbursement, and production efficiency.  
 Ushakov, V. - On Comrade A. D. Gal'tsov's article. p.56.  
 From the editor. p.58.  
 The instruction needs to be amended. p.61.  
 Korbov, M. - There is a need for instruction for workshop wage fund disbursement. p.62.  
 Tomashevskii, I. - Improve the system of issuing funds for wages in automotive transportation. p.63.  
 Opinion of the Leningrad workers. p.64.  
 Sharapova, S. - Specialization and the division of labor in construction. p.65.  
 Penetrinov, V. - Organization of labor in transportation. p.72.  
 Karachkov, D. - Mechanization of copying and duplicating work. p.76.  
 Loskutov, V. - Modern means for mechanizing the work of engineers and administrators. p.82.  
 Slutskii, G., Semenov, A. - Use of electronic computers for the establishment of work norms. p.84.  
 Norms for the number of engineering and technical workers and employees.  
 Chubarov, G. - For brick plants. p.93.  
 Shilov, N. - For enterprises engaged in primary processing of rawhide. p.100.  
 Borunov, P. - For cement plants. p.104.  
 New Instruments. p.108.  
 Moshenskii, M. - Methods of stimulating the improvement of production indices in capitalist enterprises. p.111.  
 Smilov, M. - Accounting for the expenditure of labor in automotive transportation operation. p.124.  
 Ivanovskii, V. - Dismissal due to loss of confidence. p.125.  
 Follow-up of our materials:  
 Chistakov, N. - The work front expands. p.126.  
 Glikhman, L. - Criticism is accepted as a correct one. p.127.  
 Kozlov, B., Livshits, R., Tarasova, V. - Computing the average earnings. p.128.  
 How to apply the new wage system in trade and public dining. p.134.  
 Wages for individual categories of machine accounting workers. p.140.  
 In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p.142.  
 Economics laboratories share their practice. p.143.  
 In a regional economic council, introducing scientific labor organization in enterprises. p.145.  
 Survey of labor legislation. p.146.

**SOVETSKIE PROFSSOIZY [SOVIET TRADE UNIONS].** Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soiuзов [All-Union Central Council of Trade Unions]. Moscow, vol. 21, no. 10(316), May 1965.

Table of contents translated:  
 It is a matter of trade unions' honor. p.1.  
 Korenev, A. - Potentialities of our soul. p.2.  
 Mikhailov, V. - The force of inertia at work ... p.4.  
 Iakovlev, A. - Neighbors. p.6.  
 Shokin, B. - Learn from Il'ich. p.8.  
 Kamnov, V. - Because of the interchange of items. p.10.  
 We continue the discussion: what is my ideal of the trade-union leader? p.12.  
 Kuvshinov, IA. - We heard Lenin. p.14.  
 Shikordze, B. - Public control is efficient control. p.16.  
 Zinin, M. - The designer's principled nature. p.18.  
 Zemnoi, V. - Why the trade-union plant committee is indifferent. p.19.  
 Golovanov, V. - Pass the fathers' skills to the reliable hands of young workers. p.20.  
 Prokhorov, V., Perfil'ov, V. - Together toward a common objective. p.22.  
 Maksimova, N. - There are various cases in life... p.22.  
 Matlushina, A. - Happiness of the textile center. p.24.  
 Arkad'ev, D. - The city of Frunze, and the workers' dining room ... p.26.  
 Danilov, P. - With the social insurance funds. p.29.  
 Blinov, I. - What kind of people are adolescents? p.32.  
 Kapustin, A. - Spring struggle of the Japanese trade unions. p.36.  
 Plotnikov, A. - Breaking the colonial chains. p.38.  
 Korolkov, V. - Field allowances. p.43.  
 Skolnaya, Z. - The light in your room. p.46.

Vol. 21, no. 11(317), June 1965.

Table of contents translated:  
 Turkin, I. - Disseminate the wealth of culture among the people. p.1.  
 Belenko, V., Lipatov, A. - People, land and harvest. p.4.

Starchenko, P. - In two shifts. p.6.  
 Bobrov, I. - Ponderings of a chairman. p.8.  
 Goidelchuk, A. - 800 workers of Khabarovsk and Kamchatka reply. p.10.  
 Shurov, V. - The most important potentiality of our economy. p.14.  
 Goidelchuk, V. - The experiment works successfully. p.17.  
 Grudin, S., Zharov, G., Chelyshev, V. - Bypassing the factory committee. p.20.  
 Moylev, A. - Criteria of quality. p.22.  
 Molotova, V. - In order to please everybody. p.26.  
 Bur'lanov, V. - The automobile is at your service. p.28.  
 Konstantinov, V. - Your friend, the communication worker. p.29.  
 Romanenko, IU. - We say "no" more seldom. p.30.  
 Test in sports accomplishment. p.32.  
 Emel'yanov, A. - Salt water, a story. p.34.  
 Shagalov, A. - A tip. But will it be interesting? p.36.  
 Shultz, Paul. - In workers' hearts forever. p.38.  
 Domnich, M. - Reality and illusions. p.40.  
 Antonov, A. - "Clums from the table of the rich." p.42.  
 Tseltin, S. - The factory and plant local committee decides the compensation for damages dispute. p.43.  
 Regulation on the rights of the factory and plant local committee, comments on article No. 8. p.45.  
 Higher trade-union school. p.46.

**VSEMIRONOE PROFSSOIZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT].** Organ of Vsemirnaya federatsiya profsoiuзов [World Federation of Trade Unions]. Moscow, no. 3, May 1965.

Table of contents translated:  
 Editorial: Podzorko, V. - "Liberation of labor is a problem neither local nor national." p.1.  
 Herriot, Robert - Peace is our common concern. p.3.  
 Against the use of gases by American imperialists in Vietnam. p.7.  
 Chleboun, Edwin - Hands off Vietnam! p.8.  
 Appeal of the International Trade-Union Committee for solidarity with the workers and people of South Vietnam in connection with the convocation of its Second Plenary Meeting. p.11.  
 Nguyen Minh. - The Vietnamese people will conquer. p.12.  
 Zupka, F. - New initiatives of the Czechoslovak trade unions. p.16.  
 Stewart, Ian - The unchanging refrain... p.19.  
 Opsitnikov, G. - On the recent strike of petroleum industry workers. p.22.  
 Gensous, Pierre - Instinctive demonstration of international unity. p.24.  
 Nelwatt, F. - Against racialism. p.28.  
 Bairos, M. - Twelve years in jail. p.29.  
 Dyer, John - The masses rebel against the old-school trade-union leaders. p.31.  
 Krause, D. - The solution of the problems of bank employees calls for joint action. p.34.  
 Conflicts which must be settled. p.37.  
 The "ORIT" (Organization of Regional Inter-American Labor) Congress. p.39.

## a. SOCIOLOGY

**AZERBAICHAN GADYNY [AZERBAIJAN WOMAN].**

Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 3, Mar. 1965. [In Azerbaijani]

**KAZACH'IA ZHIZN' [COSSACK LIFE].** Issued by Vtoroi otdel Kazach'e-amerikanskogo narodnogo soluzu [Second Division of the Cossack American National Alliance, Inc.]. Providence, R.I., vol. 11, no. 130, Dec. 1963, vol. 12, no. 133, Mar. 1964.

**KAZAKSTAN ELDERI [KAZAKHSTAN WOMAN].** Alma-Ata, no. 5, May 1965. [In Kazakh]

**KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH].** Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluzu molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 10, May 1965.

**NOUKOGUDE NAIN [SOVIET WOMAN].** Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 21, no. 6, June 1965. [In Estonian]

**PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA].** Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 5(153), May 1965. [In Latvian]

**RADIANS'KA ZHINKA [SOVIET WOMAN].** Issued by Ukrain'ska respublikanska rada profesiynnykh splokov and Spilka radians'kykh pys'mennykh Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 20, no. 6(234), June 1965.

**SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY].** Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R.S.F.S.R.]. Moscow, vol. 20, no. 4, Apr. 1965.

Table of contents translated:  
 Decree of the Presidium of the Supreme Soviet of the U.S.S.R. p.1.  
 Let's live and work in Lenin's way. p.3.  
 Pozdnakov, N. - Yesterday and today of the Kashino village. p.6.  
 Zorin, B. - This day will not be forgotten. p.9.  
 Leon'tev, V. - Postmen deliver pensions. p.10.  
 Fogel', IA., Vlasova, A. - Principles and characteristics of the pensions of collective farm members. p.12.  
 Semenov, A. - One for all and all for one. p.16.  
 Trofimov, A. - They follow her example. p.18.  
 Lebedev, V. - Every case should be reviewed. p.21.  
 Feigin, L. - Collective farmers undergo medical check-up. p.22.  
 Lososkov, I. - Work of a specialized disability evaluation committee. p.24.  
 Vatazhina, A., Grechko, E., Zelinger, I. - Work recommendations for the physically handicapped working on state farms. p.25.  
 Vlasov, S. - Results of the inspection. p.28.  
 Karasova, N. - Creatively with inventiveness... p.31.  
 Lezenko, V., Vitlin, V. - Here they need the help of a physician. p.35.  
 Busedin, A. - Main thing is the concern for the people. p.37.  
 Izbitskii, M. - Methodological work in orphanages for retarded children. p.39.  
 Chudin, V. - Deserved reward. p.40.  
 Tatin, A. - Home for aged collective farmers. p.41.  
 Zimin, B. - The 40th anniversary of the All-Union Society of the Blind. p.42.  
 Osmanov, M. - Let's improve orthopedic shoes. p.44.  
 Voiutsov, F. - New artificial forearm. p.45.  
 Chernenko, P. - Their heroism will not be forgotten. p.46.  
 Tselebaum, IU. - Pensions in cases of the loss of a breadwinner. p.52.  
 Concerning the law on state pensions. p.57.  
 Concerning the law on pensions and grants to collective farmers. p.59.  
 Zhdanov, A. - Social insurance in India. p.61.

**SOVET TURKMENISTANYN ALIARY [SOVIET TURKMENISTAN WOMAN].** Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 4(142), Apr. 1965. [In Turkmen]

**ZMNA [THE YOUNGER GENERATION].** Issued by Tsentral'nyi komitet Leninskoho kommunisticheskogo soluzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 6(147), June 1965.

## 6. POLITICAL SCIENCE

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Ideologicheskii otdel TsK KP Ukrainy [Ideological Section of the Central Committee of the Communist Party of the Ukraine]. Kiev, Spetsial'nyi vypusk za 1964 g. [Special Issue for 1964]

**CHASOVOI [THE SENTRY].** Organ of Rossiiskogo natsional'nogo dvizheniia [Russian National Movement]. Brussels, no. 6(468), June 1965.

**EESTI KOMMUNIST [COMMUNIST OF ESTONIA].** Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 21, no. 6, May 1965. [In Estonian]

**KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN].** Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 44, no. 6, May 1965. [In Kazakh]

**KOMMUNIST [COMMUNIST].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluzu [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 42, no. 8, May 1965.

Table of contents translated:  
 Editorial: Soviet patriotism. p.3.  
 Millionshchikov, M. - Soviet science in the building of communism. p.13.



- Rozental', M. - Theory of knowledge and the modern scientific achievements. p. 20  
 Voronov, N., and others. - Introducing aesthetics into industrial production. p. 32  
 Lokshin, E. - The U.S.S.R. industry during twenty years, economic review. p. 43  
 Razumov, N. - Toward world standards. p. 57  
 Sergeev, I.U., Tereshchenko, O. - The new technology and patents. p. 65  
 Brenner, M. - Fuel is the bread of industry. p. 73  
 Mikul'skii, K. - All-round development of the economies and the international division of labor. p. 82  
 Platkovskii, V., Morkovnikov, S. - Cuba strides toward the future. p. 90  
 Mitin, M. - Failure of the existentialist conception of personality. p. 101  
 Eroshin, V., Peskov, E. - American intelligence service as a tool of adventures and provocations. p. 112

**KOMMUNIST [COMMUNIST]** Organ of the Central Committee of the Communist Party of Kirghizia. *Frunze*, vol. 39, no. 5, May 1965. [In Kirghiz]

**KOMMUNIST BELORUSII [COMMUNIST OF WHITE RUSSIA]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 39, no. 3, Mar. 1965.

- Table of contents translated  
 Editorial: Give ideological work militancy and clarity of purpose. p. 2  
 On current themes: The village before an important stage. p. 8  
 Polozov, N. - Militant organizers of the masses. p. 13  
 Shbatits, M. - Being businesslike is an integral quality of a worker. p. 21.  
 The new in ideological work. p. 26  
 Klishin, F. - The great international doctrine of communists of all countries. p. 28.  
 Interesting and instructive. p. 34  
 Gorbachev, M. - Improve the communist labor competition. p. 36  
 Miloserdov, V. - Potential for improving the raising of animals. p. 41  
 Klevchenia, A. - The art of working with a book. p. 45  
 Efimenko, A. - The student has been given a task. p. 47  
 Lobanok, V. - Deeds and people of the underground in Vitebsk. p. 50  
 Shabashov, S. - Struggle for each man. p. 56  
 Pavlov, S. - Your writing should have deep content and interesting form. p. 61.  
 Pavlenok, B. - The eaglelike climb of a free people. p. 68  
 For the notebook of a propagandist. p. 69  
 Grigor'ev, B. - The child of neocolonialism. p. 73.  
 People, events, dates. p. 77

Vol. 39, no. 4, Apr. 1965

- Table of contents translated  
 Plenum of the Central Committee of the CPSU. p. 2  
 Information communiqué on the Plenum of the Central Committee of the Communist Party of White Russia. p. 2  
 Urgent measures concerning the further development of farming in the U.S.S.R. Decision of the Plenum of the Central Committee of the CPSU, passed March 26, 1965. p. 3.  
 the Representatives' Parties held  
 Plenum of the Central Committee of the CPSU, passed March 26, 1965.

p. 10.  
 Leninist banner,

- Molochko, A. - Great strength of the Leninist friendship of peoples. p. 27  
 Stepanov, V. - The Leninist principle of party line and the struggle against contemporary bourgeois philosophy. p. 33  
 Popov, G. - Eternal flame. p. 39.  
 Kononov, S. - Mighty weapon of Communists. p. 44  
 Kudrashov, V. - Marxism-Leninism on the international unity and solidarity of communist parties. p. 49  
 Sergeev, I. - A genial creation of Lenin's mind. p. 55.  
 Interesting and instructive. p. 59  
 Kovalenko, P. - The tribute of popular masses. p. 61.  
 For the propagandist's notebook. p. 64.  
 Zinin, A. - For all time! p. 68  
 Litarevich, A. - Immortal feat of the people. p. 73

**KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 10, no. 3, Mar. 1965.

- Table of contents translated  
 Editorial: Improve the style and methods of party committees' work. p. 3.

- Mel'nik, A. - More attention to the aesthetic education of workers. p. 8  
 Tarasenko, A. - Treasure-house of Leninism; strolling through the halls of the V.I. Lenin Central Museum. p. 13  
 Lazur'evskii, G., Paukov, N. - Coryphaeus of our native science. p. 20  
 Balan, G. - Aside from the main thing. p. 26.  
 Korzhinskaya, N. - The active is our support. p. 30  
 Voronevskii, S. - To overcome the falling behind in the mechanization and electrification of animal farms. p. 33.  
 Methodical advice for the curriculum of the system of political education in the 1964-1965 academic year:  
 Eighth topic: Marxist-Leninist theory on the role of the masses and personality in the historical process  
 Ninth topic: The struggle of the working class in capitalist countries at the present stage. p. 39  
 Katruk, E. - Practical tasks as a method of political studies. p. 53  
 Mesonzhnik, G., Zaretskii, A. - The health of militarism and revanchism. p. 57  
 Karlikovskii, I.U. - Trust. p. 62  
 Roitman, N., L'vov, V. - Evgenii Mikhailovich Venediktov. p. 68.  
 Uvarov, V. - Firm step. p. 70  
 Badiu, V., Kira, G. - Outline history of the Moldavian Soviet literature. p. 74.

**KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 20, no. 5, May 1965.

**KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 5, May 1965.

- Table of contents translated  
 Editorial: Historical victory of the Soviet people. p. 3  
 Iakubovskii, I. - Heroic deeds of the U.S.S.R. Armed Forces. p. 10.  
 Kravtsev, I. - Unity in patriotism and internationalism as a mighty source of victory in the Great Patriotic War. p. 18  
 Dubina, K. - Contribution of Ukrainian workers to the defeat of German Fascist occupiers. p. 28.  
 Three generations under the battle flags. p. 36.  
 Zaruba, I.U. - In the orbit of history. p. 42.  
 Lukinov, I. - Promoting a more effective use of economic stimuli for the development of agriculture. p. 51  
 Golovkin, V. - A treaty of friendship and mutual assistance. p. 61  
 Mel'nikova, I. - A glorious anniversary of fraternal Czechoslovakia. p. 66.  
 Borushko, V., Vinogradov, S., Litvin, A. - Soviet White Russia is blossoming. p. 72  
 Gnachenko, N. - Traditions and new trends in art. p. 79  
 Kopuln, P. - The present and future of art. p. 83.  
 Zlobin, L. - The most seditious privilege. p. 88

**KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 37, no. 3, Mar. 1965.

- Table of contents translated:  
 Editorial: The foundation of a rich harvest is laid in spring. p. 3.  
 Ishakov, I.U., Soboleva, L. - The most important economic task. p. 9  
 Kokarev, G. - Produce excellent quality goods. p. 14.  
 Kalumov, L. - Certain problems of mutual influence and enrichment among fraternal literatures. p. 20.  
 Abutalinov, Ch. - Uzbekistan's cultural cooperation with socialist countries. p. 27.  
 Ivanov, A. - Marxism-Leninism on the role of the masses and personality in the historical process. p. 35.  
 For the curriculum in the system of political education for the 1964-1965 academic year:  
 Topic: Marxist-Leninist theory on the role of the masses and personality in the historical process.  
 Topic: Struggle of the workers' class of the capitalist countries at the present stage. p. 43.  
 Lunin, B. - At this moment. p. 59  
 Agishev, A., Pulatov, Kh. - Organizer and teacher of cotton growers. p. 66.  
 Dudkin, M. - Communists in the schools and student instruction. p. 75.  
 Lakhovskii, M. - Components of success. p. 75.  
 Iskovskii, M. - With a firm step toward the complete victory of socialism, for the 20th anniversary of Hungary's liberation by the Soviet Army from the fascist yoke. p. 81.  
 Asakova, M. - The combined in Bokaro is a brother of the works in Bhilai. p. 86.

- Nikazova, V., Belonogov, M. - The principal content of a district soviet. p. 80  
 Ibragimova, M. - Personal service. p. 91  
 Zazhitskii, I.U., Eneshev, A. - Personal servicing of a village population. p. 92.  
 Akhmedzakov, B. - New book on national sovereignty. p. 94.

Vol. 37, no. 4, Apr. 1965.

Table of contents translated.

- Urgent measures concerning the further development of farming in the U.S.S.R. Decision of the Plenum of the Central Committee of the CPSU, passed March 26, 1965. p. 3  
 Results of the Consultative Meeting of the Representatives of the Communist and Workers' Parties held March 1-5, 1965. Decision of the Plenum of the Central Committee of the CPSU, passed March 26, 1965. p. 6  
 Editorial: Lenin's banner is the banner of millions. p. 8  
 Fedunovskii, I. - Immortal feat of the Soviet people and their Armed Forces. p. 16.  
 Trubnikov, V. - History of how V.I. Lenin developed the theory of the noncapitalist road of developing economically retarded countries. p. 26.  
 Mogilevskii, V. - Lenin on literature. p. 33.  
 Kaljakin, P., Khikmatov, A., Deslatchikov, V. - Improve the planning and organization of capital construction. p. 30.  
 Khatamov, K., Rikhtov, M. - Those who are leading. p. 45.  
 Khamagayeva, L. - An all-people march in the quest for knowledge. p. 49  
 Rashidov, S., Makhrov, A. - Nonstaff departments the party-state committee. p. 62.  
 Tursunmukhamedov, S. - National-liberation mover at the present stage. p. 67.  
 For the curriculum of the system of political education for the 1964-1965 academic year:  
 Topic: Present stage of the national-liberation movement. Topic: Marxism-Leninism is the great international doctrine of Communists of all countries. p. 83.  
 Kudinov, A. - "The theory of exclusivity" as an ideological armor of U.S.A. monopolies. p. 77.  
 Gullin, V. - 20 years of friendship and brotherhood; for the anniversary of the signing of the Treaty of Friendship, Mutual Aid, and Post-War Cooperation between the U.S.S.R. and the Polish people's Republic. p. 85.  
 Lutski, M. - A program document of Marxism; 80 years since Karl Marx wrote his "Criticism of the Gotha program." p. 89.  
 Agapov, P. - Letters by workers from Turkestan to V.I. Lenin. p. 94

**KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]**. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 30, no. June 1965. [In Tajik]

**KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 6, June 1965. [In Ukrainian]

**KOMUNISTAS [COMMUNIST]**. Issued by Lietuvos Komunistinis Partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 5(401), May 1965. [In Lithuanian]

**LENINIAN UGHOV [LENIN'S WAY]**. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erevan, vol. 44, no. 4, Apr. 1965.

**MEZH DUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]**. Published by Vsesoyuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 12, no. 5, May 1965.

- Table of contents translated:  
 Editorial: Peace and security in Europe. p. 3.  
 Eremenko, A.I. - The boundary of a new epoch. p. 18  
 Talonskii, M. - Reflections on the last war. p. 18  
 Sannikov, Sh. - Internationalism and socialist democracy. p. 28.  
 Novikov, N. - The twentieth spring. p. 41.  
 Shvedkov, I.U. - The dangerous course of the U.S. p. 49.  
 Ivanov, K. - The national liberation movement as noncapitalist way. p. 69.  
 Porlo, V. - The dollar bosses Latin America. p. 86.  
 Lemm, I. - A shaky alliance; the problem of "special relations" with America. p. 86.  
 Nazarkin, K. - Mutually profitable cooperation of equals. p. 97.

Shestov, V. - United States against the United Nations. p. 103  
 Shevchenko, N., Nikol'skii, F. - A new stage in West Germany's preparations for war. p. 113.  
 Dubrovin, V. - The role of the United States in the revival of West-German militarism. p. 118  
 Beneslavskii, D. - Liberation Day. p. 123.  
 Zhukov, G. - Gases, rights, and morals. p. 124  
 Ievleva, T. - Useful dialogue. p. 124.  
 Beglov, S. - Wilson's Paris "weekend". p. 125.  
 Kozlov, V. - The members of the Ku Klux Klan are becoming impudent. p. 126.  
 Androasian, R. - Petroleum and independence. p. 127  
 Zedguldze, D. - Radical change in the destiny of a country. p. 128  
 Kartsev, A. - Solicitations of the monopolies. p. 129.  
 Timofeev, A. - Unreasonable concession. p. 130  
 Pakin, S. - Unmasked plans of the Pentagon. p. 131  
 Tarov, S. - The starting signal has been given. p. 132.  
 Kuznetsov, N. - A rooftop house. p. 133.  
 Victories of the Soviet people in the conquest of space. p. 144.  
 The world in 1965. p. 145  
 Oganis'ian, IU. - Reconstruction of Algerian economy. p. 147  
 Eremeev, L. - Japan's Navy. p. 149.  
 Panov, M. - The United European Commission. p. 151  
 Aleksandrov, V. - The League of Arab States. p. 152  
 Maksimov, I. - The strike movement in capitalist countries. p. 154.  
 Orekhov, F. - Projects of a new canal in Central America. p. 156.  
 How to prepare a lecture about the international situation. p. 158.  
 Ilukhina, R. - The Third Session of the Scientific Council of the Academy of Sciences of the U.S.S.R. p. 159.

#### NOVOE VREMIA [NEW TIMES], Moscow, vol. 22, no. 20 (1962), May 1965.

Table of contents translated:  
 Editorial: Victory Day. p. 1.  
 Doelling, R. - Our position and our goals. p. 3.  
 Ter-Grigorian, A. - The fighting Vietnam. p. 5.  
 Iturriga, José E. - People and events: Marko Nikcic. p. 7.  
 Listov, V. - "The big stick" over the western hemisphere. p. 8.  
 Sutulin, A. - A new aspect of the "dollar empire." p. 12.  
 Freeman, Harry. - Unrepayable debt. p. 16  
 Votchkanskii, L. - Telefantasies. p. 19  
 Sebastjanovii, S. - The Italian proletariat and its fight against the "market determined" policy. p. 20.  
 Do not tolerate the persecution of Senator Faria! p. 22.  
 Romanovskii, S.K. - Our cultural ties across five continents, an interview. p. 23.  
 A. U. - The U.S.S.R. Boulevard in Phnompenh. p. 25.  
 International notes. p. 26  
 Marek, Jiri. - Golden Prague. p. 28  
 Trigo'ian, A. - The fate of a "heretic." p. 30.

#### Vol. 22, no. 22 (1964), May 1965

Table of contents translated:  
 Editorial: Legitimate alarm. p. 1.  
 Golosubov, IU. - Our northern neighbors. p. 3.  
 Norwegian guests in the U.S.S.R. p. 4.  
 People and events: Ho-chi-Minh. p. 6.  
 Sovremennik. - The Soviet Union and the Afro-Asian forums. p. 7.  
 Pin, A. - War veterans as soldiers of peace. p. 8.  
 Current events. p. 9.  
 Listov, V. - Tragedy of the Dominican Republic. p. 12.  
 Sensational discovery of "book" magazine. p. 15.  
 Ershov, I. Bolivia: people and junta. p. 16.  
 Mikhoev, A. - The Congress of Solidarity with Cuba. p. 19.  
 Rozen, V. - Manners of the "free World": The "arch-angel" Taylor and his brethren. p. 20.  
 Andreasian, R. - A "gas Klondyke" and the oil business. p. 21.  
 International notes. p. 25.  
 Lisovskii, IU. - The shots in Palermo. p. 27  
 Andronov, I. - Air pirates. p. 29.

#### Vol. 23, no. 23 (1965), June 1965.

Table of contents translated:  
 Sovremennik. - The rights of children. p. 1.  
 Current events. p. 3.  
 Listov, V., Zhukov, Vi. - Their men in Santo Domingo. p. 4.  
 Tepinskii, B. - NATO and the "limited war" plans in Europe. p. 7.  
 Houari Bourmediene on Algerian economy and policy, an interview. p. 10.  
 Indian journalists visit the offices of "Novoe vremia." p. 12.  
 Semenov, A. - Koreans in Japan. p. 13.

Slekol'nikov, A. - The battle for water. p. 14  
 People and events: V.S. Emel'ianov, Franz Jonas pp. 15, 25  
 Dor Leon'ev, Novyi, Vi. - Two interviews; a feuilleton. p. 16.  
 Ziliacus, K. - British Parliament and the aggression in Vietnam. p. 18.  
 Klimov, A. - Africa and the Second World War. p. 21  
 International notes. p. 23  
 Vavilov, V. - In the country of blue fjords. p. 25.  
 I.A. - Servants of the God of war. p. 28

#### Vol. 23, no. 24 (1965), June 1965

Table of contents translated:  
 Editorial: A just cause. p. 1.  
 A factor of peace in Europe. p. 2.  
 Zagladin, V. - Moscow-Paris. p. 3.  
 Wilfred Burchett - Why the Pentagon is losing. p. 5  
 Mirskii, Z. - The battles of Song Be and Quang Ngai; an interview. p. 8  
 Kobrin, M. - NATO, limit of cohesion. p. 10  
 Bezymenskii, L. - Why I went to Mecklenburg. p. 13  
 People and events: Franz Muhri, Edward White, James McDevitt pp. 15, 28.  
 Karol Doudera - Not everything is the same. p. 16.  
 Current events. p. 18  
 Visitors from Sweden. p. 20.  
 Boi Is Leon'ev. - The art of self-deception; a feuilleton. p. 21  
 International notes. p. 22  
 Il'ia Konstantinovskii. - The style of life, literature and politics; sketches on Hungary. p. 24.  
 I.A. - Manners of the "free" world. History of a firm. p. 27.  
 Answers to readers' questions: Soviet specialists in Guinea. p. 27.

#### PADOMJU LATVIJAS KOMUNISTI [COMMUNIST OF SOVIET LATVIA], Issued by Latvijas Komunistiskais partijas Centrālā Komiteja [Central Committee of the Communist Party of Latvia], Riga, vol. 20, nos. 5-6, May-June 1965. [In Latvian]

#### PARTIJA ZHIZN' [PARTY LIFE], Issued by Tsentral'nyi Komitet Komunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union], Moscow, no. 10, May 1965.

Table of contents translated:  
 Editorial: Adherence to principles as the most important quality of a Communist. p. 3.  
 The CPSU in figures, 1961-1964. p. 8.  
 Kraeva, A. - The individual and the social in the collective economy. p. 10.  
 Solomakhina, V. - The district party committee and the supervisory personnel. p. 26.  
 Dykhina, A., Levin, A. - What are the results of direct contacts. p. 30.  
 Golodnitskii, I., Konovalov, I. - One secretary asks, another answers. p. 34.  
 Marchenko, F. - The party organization of a construction project. p. 38  
 Sokolov, A., Maksimov, M. - Such records are not necessary. p. 46.  
 Kukhar, G. - The workshop manager is responsible for the education of workers. p. 47  
 Anan'ev, S., Kharchenko, I. - Some problems concerning the movement for communist labor. p. 48.  
 Leonid Lomazov. - On the farm. p. 54.  
 Kuzovkov, F. - Let us learn from a living example. p. 57.  
 Sergeeva, Z. - Good experience. p. 59.  
 Kotegova, V. - Exactness toward comrades. p. 64.  
 Panov, M. - Correct proposals. p. 65.  
 Konakov, N. - Always at his post. p. 66.  
 Gromov, L. - Some more information on visual propaganda. p. 67.  
 Tadeusz Gulkowski. - According to the place of residence. p. 68.  
 V.I. Lenin's works in Cuba. p. 72.  
 Emel'ianov, D. - For those who are on the sea. p. 75.  
 TSaregorodtsev, I. - Books on scientific work organization are needed. p. 79

#### No. 11, June 1965.

Table of contents translated:  
 Editorial: Use practical examples in studying and teaching. p. 3.  
 Mal'akhov, T. - Equip people with advanced practice. p. 8.  
 One source of the accumulation of feeds. p. 13.  
 Shutliv, F. - Useful minerals are our wealth. p. 15.  
 Kuznetsov, V. - Schools of management and training schools. p. 20.  
 Bartenev, F. - They are developing snow water irrigation. p. 24.  
 Golopetrov, I. - Concern of a communist workshop. p. 26.  
 Tomina, A. - Aesthetic education. p. 27.

Prosin, I. - The party committee and the brigade party organizations. p. 32  
 Fedosov, P. - The committee of the party-state control and its group of activists. p. 36.  
 Lomakin, V. - Have they handled me properly? p. 40  
 Shiriaev, A. - Anger and haste are bad advisers. p. 40  
 Can a misdemeanor of a Communist be examined by a comrades court? p. 43  
 Vakhias, J. - The new rites should become a part of the mode of life. p. 44  
 Tol'stobrov, P. - Rehearsed formalism. p. 46.  
 Izmailov, A., Khusanbaev, IU., Dychevov, F. - Our parental duty. p. 48.  
 Kryzhanovskii, I. - The auxiliary police and duty periods. p. 51  
 Alberto Gualan, Benjamir Silva. - Unity gets stronger in struggle. p. 60.  
 Appeal to all democratic forces. p. 65.  
 A friend and adviser of the Bulgarian Communists. p. 67  
 Maksimenko, IU. - Persistent inculcation of advanced practice. p. 74.

#### PARTIJA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHISTAN], Issued by Tsentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan], Almaty, vol. 35, no. 5, May 1965.

Table of contents translated:  
 Editorial: The victory of all peoples. p. 3.  
 Kunzev, D. - Toward a further raise of farm production. p. 8.  
 Merkulov, M. - Great feat. p. 15.  
 Stages of the great victory. p. 22.  
 Stambekov, K. - Kazakhstanians in the battle for the Dnieper River. p. 23.  
 Belonoin, D. - Immortal garrison. p. 26.  
 Abishev, G. - The press for the battlefield. p. 30.  
 Naumov, D. - Partisans in combats. p. 34  
 Mallar, I. - Far away from the Fatherland. p. 37.  
 Egorov, F. - The fourth battery. p. 39.  
 For the notebook of a propagandist. p. 44.  
 Larin, V. - In the big march. p. 45.  
 Tulebekov, R. - The economy goes up. p. 50.  
 Zadorozhnyi, I. - Speed and freight-carrying capacity is an economic advantage. p. 53.  
 Kuznetsov, P. - Our principal support. p. 57  
 Kramynin, V. - Authority does not go with the job. p. 60.  
 Nikanorov, S. - Secretaries are learning. p. 65.  
 Adilov, A. - Give the green light to the new and the progressive. p. 68  
 An auditor arrived on the state farm. p. 70.  
 In the party-state control committees. p. 72.  
 Naumenko, V. - A legend turns into reality. p. 73.  
 Savos'ko, V. - Heading the movement of the masses. p. 75.  
 Vizer, A. - Membership transfer rules for Communists. p. 77.

#### POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION], Issued by Tsentral'nyi Komitet Komunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union], Moscow, vol. 9, no. 5, June 1965.

#### PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM], Prague, vol. 8, nos. 5(81)-6(82), May-June 1965.

#### S NARODOM - ZA NAROD [WITH THE PEOPLE AND FOR THE PEOPLE], Munich, no. 4, Dec. 1964.

#### TURKMENISTAN KOMUNISTI [COMMUNIST OF TURKMENISTAN], Organ of the Central Committee of the Communist Party of Turkmenistan, Ashkhabad, vol. 40, no. 5, 1965. [In Turkmen]

#### UZBEKISTON KOMUNISTI [COMMUNIST OF UZBEKISTAN], Issued by the Central Committee of the Communist Party of Uzbekistan, Tashkent, vol. 37, no. 5, May 1965. [In Uzbek]

#### VOPROSY ISTORIИ KPSS [PROBLEMS IN THE HISTORY OF THE CPSU], Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the CPSU], Moscow, vol. 9, no. 6, June 1965.

Table of contents translated:  
 Letters by F. Engels. p. 3.  
 Zhelezin, V.I. - Community participation in party work at the present stage. p. 11.  
 Titarenko, S.L. - Exposure of the petty-bourgeois nature of Trotskyism by Lenin in the pre-October period. p. 23.  
 Berezkin, A.V. - The party's Leninist policy on socialist revolution and American imperialism. p. 39  
 Some conclusions from the discussions on the problems of the noncapitalist ways of development. p. 55.  
 Alakhverdov, G.G. - From the history of certain "prophecies" of the bourgeois falsifiers. p. 65

Nkol'skaya, L. F. - V. I. Lenin as editor of the newspaper "The Proletarian." p. 75  
 Gladkov, I. A. - V. I. Lenin's works "Imminent catastrophe and how to prevent it" and "Will the Bolsheviks retain power?" p. 81  
 Comrade and friend of the younger generations, forty years of "Komsomol'skaya pravda" p. 90  
 Petrov, F. N. - Vladimir Aleksandrovich Degot' p. 92  
 Smirnov, I. I. - Necessary clarification p. 97  
 Zil'manovich, D. I. A. - Against distortion of facts and dissemination of lies p. 99  
 Lakhovskii, I. T. - Unforgettable p. 104  
 Verkhos', V. P. - Studies of the activity of the military organizations of the Russian Social Democratic Party (Bolshevik) in 1917 p. 108  
 Osobova, I. P., Rumbantseva, N. S. - History of the First International in literature and sources; a review of publications p. 119  
 Documents and articles on the history of the CPSU and the international and communist labor movement, published in journals, studies, collections and transactions in April 1965 p. 140  
 Lazhborovskaya, I. S., Khrenov, I. A., Solov'ev, A. A. - History of Soviet-Polish relations in documents p. 146  
 Grek, A. P. - The 20th anniversary of a great victory. p. 150  
 L'vova, T. N. - About one group of students of the history of the party. p. 153  
 Meetings with readers p. 154  
 List of subjects of dissertations, approved by local councils coordinating the scholarly studies of the history of the CPSU p. 157

VOPROSY ISTORII KOMMUNISTICHESKOI PARTII KIRGIZII [PROBLEMS IN THE HISTORY OF THE COMMUNIST PARTY OF KIRGHIZIA]. Issued by Institut istorii partii pri TsK KP Kirgizii and Filial Instituta marksizma-leninizma pri TsK KPSS [Institute of the History of the Party, Attached to the Central Committee of the Communist Party of Kirghizia, and the Branch of the Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the U.S.S.R.], Frunze, no. 3, 1964.

Table of contents translated:  
 Altokurov, S. - The situation of workers in prerevolutionary Kirghizistan. p. 3  
 Chukubaev, A. - Revolutionary events and the social movement in Kirghizia in the early 20th century. 1900-1907 p. 27  
 Semenov, V. - Origins and activity of the Komsomol of Kirghizia, 1918-1925 p. 73  
 Breev, I. - Organizational activity of the working class in the socialist reorganization of the agriculture of Kirghizia. p. 121  
 Meier, A. - The Seventh Kirghiz Province Party Conference p. 170  
 Samikov, V. - Organizational work of the Communist Party of Kirghizia in the reconstruction of the industry into a war industry during the years of the Great Patriotic War p. 170  
 Polonskii, I. - Activity of the Communist Party of Kirghizia concerning the fulfillment of the fifth five-year plan in the field of industry p. 210  
 Ivanenko, N. - Consolidation of the rural party organizations of Kirghizia and strengthening of their organizational activity, 1953-1958 p. 273  
 Karakeev, K. - Activity of the Communist Party of Kirghizistan in developing the cultural and educational work among the workers, 1938-1941. p. 302  
 Semenov, I. - Ideological work of the party organization of Kirghizistan after the 22d Congress of the CPSU. p. 325

## 7. LAW

LATVIAN S.S.R. Augstaka Padome, Zinatajs [Supreme Soviet, Gazette], Moscow, vol. 23, nos. 13(2103)-14 (2103), Apr. 1965.

MOSCOW. VSESOTRUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT SOVETSKOGO ZAKONODATEL'STVA. Uchenye zapiski [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF SOVIET LEGISLATION Studies], No. 2(19), 1964.

Table of contents translated:  
 Tasks of the Institute of Soviet Law p. 3  
 Samoshchenko, I. S. - Legal responsibility in Soviet society p. 16  
 Kovachev, D. A. - Legal nature of the acts issued by the Supreme Soviet of the U.S.S.R. p. 57  
 Petukhov, G. E. - Legal acts of the economic councils of the economic regions of the R.S.F.S.R. p. 77  
 Astrakhan, E. I. - Pension security under social insurance and the civil law compensation for damages due to disability sustained at work, comparative criteria p. 101  
 Zharikov, I. G. - Current legal problems concerning the utilization of lands belonging to the state peat bog resources. p. 154

OTVETCHAE NA VOPROSY RABOCHIKH I SLUZHASHCHIKH, iuridicheskie konsultatsii Profizdat [WE ANSWER WORKERS' AND EMPLOYEES' QUESTIONS; Legal Advice from the Trade-Union Publishing House] Moscow, no. 11, 1965.

RADIANS'KE PRAVO [SOVIET LAW]. Organ of Verkhovnyi sud URSR [Supreme Court of the Ukrainian S.S.R.] and others. Kiev, vol. 28, no. 2, May-Apr. 1965.

Table of contents translated:  
 Editorial: The founder of the Soviet state. p. 3  
 Raznatovskiy, I. - The Leninist principles of management. p. 10  
 Holovchenko, I., Mykhailenko, P. - Socialist legality is inviolable p. 18  
 Potarykina, L. - Single party-state control p. 22  
 Stepanova, N., Strel'sov, L. - From the work experience of the permanent committees of the Odessa city soviet p. 27  
 Nosara, L. - The village committee. p. 30  
 Shemsuchenko, I. U. - Maintain legality in the work of rural soviets. p. 31  
 Dovhan', K., Linchevskiy, L. - Organizational work of the headquarters of the auxiliary police. p. 34  
 Shevchenko, I. - Preparation and determination of a case by the comrades courts. p. 36  
 Olsfir, A. - How we attract the public to the work of the court p. 37  
 Savol'skiy, V., and others - Our helpers p. 38  
 Consultation for members of comrades courts. p. 42  
 Shaposhnikov, V. - Let us intensify the procuratorial supervision over the observance of the laws on the employment of minors p. 46  
 I. A. N. - Public assistance in the identification of a criminal. p. 49  
 Mylyi, O. - Procurators struggle together with the public against juvenile delinquency. p. 50  
 Zavol'skiy, M., Guznayev, O. - Preparation of reports is an important part of an investigator's work. p. 54  
 Romanov, M. - Evaluation of the conclusion of an expert opinion in an automobile case. p. 56  
 Zagorodnik, V. - Improve the quality of court documents. p. 59  
 Danchenko, M. - Make sure that law is observed in agriculture. p. 63  
 Shern, V. - More attention to the auditing of operations of people's courts p. 68  
 Sharkova, T. - Introduce order in the collecting of court costs incurred in criminal cases. p. 73  
 Bychkova, T. S., Agapov, I. - Legal forms of inter-farm cooperation. p. 76  
 Kats, S. - Supervision of courts under the new Code. p. 80  
 Kravtsov, M., Holenia, E. - Raise the standard of the teaching of law in higher schools of economics. p. 86  
 Helkman, V. - Relief for students and apprentices holding jobs. p. 89  
 Orzhik, M. - Exercise of public influence on the realization of the rules of the all-people law p. 93  
 Blal'k, M. - Thoughts on the new rules of determination of economic litigations by the state arbitration agencies. p. 97  
 Vulfin, G., Tevlin, R. - Examination or expert testimony? p. 99  
 Urovs'kiy, D. - Certain important laws need revision. p. 101  
 Svetlov, O. - The criteria of the offender in criminal acts of officials p. 103  
 Mokryenko, S. - Make sure of the location of the debtor in alimony matters p. 107  
 Rogozhin, A., Mal'meskulov, L. - When was the Extraordinary Commission to Organize the Struggle Against the Counterrevolution in the Ukraine created? p. 108  
 Shulurmyskiy, V., Hrekov, V. - Mutual assistance of the organs of the procuracy and the courts in their work p. 111  
 Kolganova, V. - Raise the quality of the investigation of juvenile cases. p. 112  
 Shauf'skiy, I. U. - Application of the basic rules for the determination of economic litigations. p. 114  
 Tikhonova, E. - New Constitution of the peoples of Yugoslavia. p. 119  
 Mikhailovskiy, M. - The statute of the Organization of African Unity. p. 123  
 Judicial decisions of the Supreme Court of the Ukrainian S.S.R. p. 127  
 Arbitration practice. p. 135  
 Legislative enactments. p. 138  
 Nedballo, P., and others. - E. A. Yakuba's "Law as a component part of the superstructure of the Soviet society in the period of the large-scale building of communism." p. 144  
 Tsvelev, V., Makohon, S., Symol'nikova, R. - V. F. Kotok's "Referendum in the system of socialist democracy." p. 147  
 Vitruk, M. - V. M. Gorshenev's "Participation of social organizations in the rule by law." p. 149  
 Seleznev, O. - "Legal manual for everybody." p. 150  
 Chronicle. p. 157

Vol. 28, no. 3, May-June 1965.

Table of contents translated:  
 Resyn, V. - In one family. p. 3  
 Levenchenko, I. - The local soviets of Podolia. p. 7  
 Tokai, H. - Development of the court organs of Transcarpathia during the consolidation of the people's power. p. 12  
 Mastov, V. - Further tasks facing the development of legal science and improved legal education. p. 16  
 Kozhach, I. - Raise the qualifications of the procuratorial investigation staff. p. 21  
 Novosetov, V. - Strengthen the legality safeguards when issuing administrative acts. p. 26  
 Atamurshuk, H. - Raise the legal quality standards for the operation of local soviets. p. 30  
 Flomenko, K. - Promising helpers of local soviets. p. 33  
 Zhyvtsov, V. - Auxiliary policemen at the Nikopoli Pipe Mills. p. 36  
 Rozhkov, O. - Sessions of the comrades courts. p. 37  
 Vasets'kiy, I. - Representative of the public in the judicial process. p. 39  
 Ivanchenko, D. - Strengthen the ties between the judicial organs and the public. p. 42  
 Koshoviy, I. - Procuratorial supervision over enterprises of the chemical industry. p. 46  
 Naholnyi, I. A. - Sending back cases for supplementary investigation with no good reason. p. 50  
 Alekseenko, K. - A positive example of procuratorial supervision over the criminal judiciary. p. 53  
 Mykhailenko, A. - Investigation of hooliganism perpetrated on the air. p. 55  
 Davydovych, A. - Recreating the setting and circumstances is an important act of an investigator. p. 57  
 Pohorilko, T. - Raise the standard for traveling sessions of courts. p. 61  
 Sokolenko, V. - Improve the determination of cases resulting from injuries to workers and employees. p. 65  
 Datsenko, I. - Positive experience with the work of the people's court in Kupiansk District. p. 70  
 Dluh, R. - Parties to a contract of support for life. p. 72  
 Tashkov, I. - Civil law issues of the struggle against the misuse of personal property rights. p. 74  
 Honcharov, H. - An important guaranty protecting the right to work. p. 79  
 Kras'ko, I. - Legal aspects of the responsibility for nonfulfillment of plans and obligations to deliver goods. p. 83  
 Luts', V. - Material liability for default in selecting or for the refusal to accept goods. p. 86  
 Hurs'kiy, M. - Procedural status of organs of inquiry and persons who conduct it. p. 90  
 Zhalov'skiy, A. - Presenting evidence in the course of the investigation of a criminal act. p. 93  
 Belins'kiy, E. - The brigade system of the organization of work and the joint material responsibility of personnel in retail trade. p. 97  
 Lashubets'kiy, S. - Control of the quality of the trial performance of an attorney. p. 101  
 Martyn, O. - Intensity the supervision of the maintenance of legality in the management of collective farms. p. 103  
 Kuznetsova, V. - For a high standard in serving the workers. p. 105  
 Selyanenko, P. - Our remarks on E. Stepanov's article. p. 107  
 Arkad'yev, I. A. - International Year of Human Rights. p. 109  
 Zhabigol, K. - Amendments to the Charter of the United Nations ratified by the Ukrainian S.S.R. p. 115  
 V. I. U. - Take to task the violators of international agreements. p. 118  
 Luzyk, K. - Justice the American way. p. 119  
 Judicial practice of the Supreme Court of the Ukrainian S.S.R. p. 124  
 Arbitration practice. p. 129  
 Regulatory enactments. p. 132  
 Chushenko, V. - Mikhail Genovskiy's "Shifting the functions of state organs to social organizations." p. 142  
 Matvov, I. U. - V. F. Mastov's "Judicial practice on issues of joint ownership." p. 146  
 Glorious anniversary of a scholar and public worker. p. 148  
 Volodymyr Sergiyovych Trakhterov's 80th birthday. p. 149  
 In the Supreme Court of the Ukrainian S.S.R. p. 150  
 In the legal center of the Technical and Economic Council of the Holovodonbasud Combine. p. 152  
 Blal'k, M. - Government Arbitration Agency attached to the Council of Ministers of the Ukrainian S.S.R. p. 153  
 Legal literature published in the Ukraine in 1964. p. 158

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sovet, Vedomosti [Supreme Soviet, Gazette], Moscow, vol. 0, nos. 19(345)-21(347), May 1965.



Vol 29, no 7, Apr 1965.

- Table of contents translated:  
 Prusakov, N. - Raise the standard of court work p. 1  
 Give more attention to having the laws and judicial decisions systematically compiled p. 4.  
 Nudel'son, K. - Improve the determination of civil litigations between citizens by community panels. p. 6  
 Baskov, V. - The court has issued a specific finding. p. 6.  
 Mikhailich, A. - Liability for serious bodily injury sustained at work p. 11  
 Filipov, E., Klenov, E. - Specific procedural provisions for the determination of labor litigations p. 14  
 Petrukhin, I. - Do false statements made by the defendant have evidentiary weight? p. 15  
 Shelkova, G., Korzhanskii, N. - Strengthen the active control of acquisition and disposition of stolen property in cases where there is no understanding before the fact p. 18  
 Zamiatina, K. - Implications of the acquisition of personal property right to a dwelling when there is a simultaneous right to an apartment in a dwelling of a Housing and Building Cooperative p. 20  
 Baturov, G. - What do we do to raise the qualifications of court personnel p. 22  
 Samsonova, Z. - Need of supplementary specific provisions re the delivery of goods. p. 24  
 Novikov, V. - Our work experience p. 26  
 Lur'e, I.I. - Vocation p. 27  
 Vil'danov, R. - The judiciary against the constitution p. 29.  
 Our replies to questions. p. 31.  
 Notarial practice. p. 32.

Vol. 29, no. 10, May 1965.

- Table of contents translated:  
 Arrangements for the reception of citizens in courts should be improved p. 1.  
 A court decision must be implemented accurately and in time. p. 3  
 Khalidas, G., Khalifina, R. - Legal regulations concerning the repair of arm machinery need improvement. p. 6.  
 Shakarian, M. - Participation of the public in the judicial determination of civil cases. p. 8  
 Vladimirov, V. - Larceny committed with the help of technical means. p. 11  
 Tobolovskaya, M. - Protection of property and private rights of citizens by advocate. p. 13  
 Gorshkova, E., Gukovskaya, N. - Determination of cases of juvenile offenses by the City Court of Moscow p. 26  
 Kutsopal, V. - Let us continue the discussion p. 27.  
 Pershin, P. - Cases of minor hooliganism should be determined in sessions with collectives directly involved p. 27  
 Adamov, E. - N. V. Krylenko as forensic orator p. 28  
 Klement'ev, I.I. - Litigations concerning quantitative shortage before arbitration tribunals. p. 18  
 Iablokov, N. - Evaluation of the conclusion of an expert on industrial safety. p. 18  
 Monakhov, V. - Impermissible practice. p. 20  
 Malein, I. - Damage compensation for injury to the health of a citizen below 15 years of age (Art. 465 of the Civil Code of the R.S.F.S.R.). p. 20  
 Solov'ev, V. - Responsibility for bribery p. 23.  
 Replies to questions. p. 31.  
 Community courts in Poland. p. 32.

ПРАВОВОЕ ПОСОБИЕ  
 I PRAVO [SOVIET STATE  
 of Institut gosudarstva i prava  
 tute of State and Law of  
 R.S.S.R.] Moscow,

- German militarism before the tribunal of nations. p. 14.  
 Kravtsov, B.P. - Soviet law under the conditions of the Great Patriotic War. p. 22.  
 Viktorov, B.A. - Wartime legislation and the organs of justice during the Great Patriotic War. p. 29  
 Krueger, G. - May 8, 1945, and the right of the German people to self-determination p. 38  
 Chirkin, V.E., Alekseev, S.S. - The system of sciences which deal with problems of the political organization of society, the state, and law. p. 45.  
 Ratnov, A.R. - Forensic psychology as a science. p. 53.  
 Lazarev, L.V. - Relation between statute and decree. p. 63.  
 Bodenhouse, G. - The U.S.S.R. and the Paris Convention for the Protection of Industrial Property. p. 70.  
 Staroselak, E. - Subject and tasks of the science of management in the socialist state. p. 73.  
 Rovinskii, M.M. - Certain legal problems concerning the supplying of the economy with forest products. p. 81.  
 Brinykh, E.V. - The part of the representatives of the public in the acceptance of goods. p. 90.

- Naborshchikova, L.S. - Groundlessness or absence of cause of suits as reasons for their exclusion from the trial docket of arbitration organs. p. 83.  
 Legal problems of the determination of economic suits p. 94  
 Laeshko, V.T. - Personality study of individuals condemned to prison p. 98  
 Kleimenov, T.A., Pinchuk, V.I. - Personality study of recidivist criminals p. 102.  
 Podkulchenko, V.N. - Formation of the social rules of communist society. p. 104  
 Begichev, B.K. - Legal status of employees performing the duty of a vacant position. p. 110  
 Igdyrov, A. - Certain problems of securing manpower for state farms. p. 115.  
 Mal'ginova, A.I. - Rights to living space of family members of shareholders in housing construction cooperatives. p. 120.  
 Fomlin, V.V. - Creation of the International Organization of Trade p. 125.  
 Milanov, Zh.K. - Increasing the role of local soviets in the People's Republic of Bulgaria p. 131  
 Chistakov, O.T., Mukhamedova, R.Kh. - Czechoslovak textbook on the history of the Soviet state and law. p. 136  
 Ostrovskoy, S.S., Babaev, M.M. - A serious problem p. 138.  
 Platakov, A.V., Solakin, V.K. - Labor and its regulation in international law. p. 141  
 Bystriky, R. - A valuable source for the study of international private law. p. 144.  
 New legal literature in the U.S.S.R., February-March 1965. p. 149.

## 8. EDUCATION

## a. GENERAL

АКАДЕМИЯ ПЕДАГОГИЧЕСКИХ НАУК РСФСР, Москва, Издательство АКАДЕМИИ ПЕДАГОГИЧЕСКИХ НАУК РСФСР, Москва, no. 134, 1004. Problems of the teaching of chemistry in secondary schools.

- Table of contents translated:  
 Garkunov, V.P. - Methodological principles of the study of chemical industries in secondary schools. p. 7.  
 Voroshchagin, P.V. - Historical and logical aspects and their relation to problems of the methodology of chemistry. p. 21.  
 Golikova, Z.F. - Historical approach to the teaching of chemistry. p. 38.  
 Efremov, A.N. - Historical approach to chemical experiments in schools. p. 44.  
 Fedorova, E.N. - Development of logical thinking of students during the study of chemistry. p. 67.  
 Glorizov, P.A., Potoshin, V.S. - Forming the practical habit and skills during the study of chemistry. p. 81.  
 Lakhmetkin, I.I. - Student experiments as a means of stimulating the cognitive activity of students during the study of chemistry. p. 116.  
 Bondareva, K.G. - Use of chemical experiments and visual aids during the evaluation of student knowledge, skills and habits in chemistry. p. 128.  
 Syroezhkin, I.T. - Student's work with material for distribution. p. 146.  
 Osogostok, D.N. - Use of local material during the study of chemistry in schools. p. 164.  
 Dubynin, L.A., Drizovskaya, T.M., Ivanova, B.V. - Independent work of students in chemistry classes in the evening (staggered) schools. p. 178.  
 Tullakova, G.M. - Content of extracurricular work on chemistry. p. 193.  
 Fedorova, E.N. - Application of statistical methods in the studies on the methodology of chemistry. p. 210.  
 Grabetskii, A.A., Laszkiewicz, Elzbieta. - Chemistry in the general secondary schools of Poland. p. 230.  
 Melendorf, H. - Brief survey of basic works on the methodology of chemistry in the German Democratic Republic. p. 249.

ДОШКОЛЬНОЕ ВОСПИТАНИЕ [PRESCHOOL EDUCATION].  
 Issued by Ministerstvo prosvetsheniia RSFSR  
 [Ministry of Education of the R.S.F.S.R.], Moscow,  
 vol. 38, no. 1, Jan. 1965.

- Table of contents translated:  
 Let's improve the theory and practice of preschool education. p. 3.  
 Chebotarev, A., and others. - We are training them to be truthful and modest. p. 8.  
 Kuzmina, A., Sletova, N. - Children's conflicts. p. 18.  
 Rudnik, R. - "Magic window." p. 22.  
 Legkov, E. - Children's fears and their control. p. 24.  
 Zaporozhets, A. - Thorough knowledge of children is the necessary prerequisite for good training. p. 28.

- Sviridov, A. - This remained in his heart. p. 32.  
 Deimchenko, V. - Does a child need a guide? p. 35.  
 Ryvkin, Z. - Don't live only for yourself. p. 38  
 Giotova, A. - We all need such discussions. p. 40  
 Karbovskaya, Val'vara. - With a capital letter. p. 41  
 Skudina, M. - Observations, notes, and rejoinders. p. 45  
 Etkin, I. - Let's discuss it thoroughly. p. 49.  
 Bogoslovskaya, S. - If you want to study. p. 50.  
 Aleksandrova, L. - German measles. p. 51  
 Burdzhelian, I. - "Riches of the Russian language." p. 52  
 Fainberg, S. - From the consulting room of a psychoneurologist p. 57  
 Mikhailov, N. - Across our homeland. p. 60.  
 Sosnovskii, I. - Midgets and giants from the animal kingdom p. 62.  
 His life-work. p. 67  
 Kostromin, A. - Just an ordinary one p. 68.  
 Pushkina, T. - In one of the many. p. 70.  
 Loginova, S., Cherepenina, N. - Up to the level of city schools. p. 74.  
 Kitueva, A. - Let's bring aesthetics into children's lives. p. 75.  
 Churakova, V. - Contribution of adults to children. p. 78.  
 Bocharova, S. - Already at the nursery school age. p. 77.  
 Kostina, M. - Preschool education in Krasnoyarsk Territory. p. 81  
 Gavrilova, L. - Please, buy us! p. 83.  
 Koretskoi, K. - Observations of nature. p. 81.  
 Big literature for little children p. 84  
 Razumnevich, V. - What are you reading, kid? p. 86.  
 Razova, V. - We need a debate on children's literature! p. 100.  
 Razova, V. - The way to children's poetry. p. 102.  
 Berestov, V. - Substance of a song. p. 106.  
 Petrovskii, M. - First there was folklore (to be continued). p. 108.  
 Tokmakova, I. - S. Marshak's translations are true Russian poems p. 114.  
 Bolarskaya, N. - Life through beauty. p. 117.  
 Natapova, R. - Children about gay verse of S. Marshak. p. 120.  
 Kossakovskaya, E. - Meetings with S. I. Marshak. p. 121  
 Aron, K. - Contribution of authors to little children p. 124.

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.], Moscow, vol. 26, no. 5, May 1965.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, vol. 33, no. 2, Feb. 1965.

- Table of contents translated:  
 Krasnova, K.A. - Development of the communist world view in primary school students. p. 3.  
 Polishchuk, E. - Immortal image of fortitude and heroism for Soviet Army Day. p. 7.  
 Zubkova, O.M. - Lenin's name is in every heart! p. 10.  
 Sergeeva, T.M. - How often the words differ from the deeds! p. 16.  
 Grishina, L.I.A. - Training in reading classes. p. 19.  
 Filatova, A.I. - Lexicological and orthographical work on the topic "Adverb." p. 23.  
 Ignina, A. - Forms of compositions. p. 28.  
 Filippov, S.M. - Formation of the approximate number concept. p. 32.  
 Zubova, K.S. - Let's acquaint children with the work of adults. p. 38.  
 Stuzeva, V.F. - Ornamental drawing in schools. p. 43.  
 Bogdanov, P.G. - Games of movement in grades 1 and 2. p. 50.  
 Kuznetsova, M.I. - Beloved school. p. 54.  
 Kozlova, A.A. - Schools of Lipetsk Province. p. 61.  
 Kashnonskii, P. - Conference of elementary school teachers in Lipetsk. p. 65.  
 Razhdestvonskii, N.S. - Questions and doubts. p. 68.  
 Syrov, B.P. - Ungrounded conclusion. p. 74.  
 Rad'kov, F.K. - Problems of teaching writing. p. 76.  
 Rabinovich, B.E. - Teaching children to write on one line. p. 77.  
 Kostromina, N.V., Novikova, I.V. - Good spoken Russian of teachers. p. 78.  
 Paporkov, M.A. - In the forest in winter. p. 81.  
 Zakozhurnikova, M.L. - Forms of grammatical analysis. p. 88.  
 Zavilova, P.A. - Students' agricultural work in winter. p. 91.  
 In the Ministry of Education of the U.S.S.R. p. 95.  
 NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no. 5, May 1965.  
 Table of contents translated:  
 Kumanov, V. - Soviet schools in the years of great ordeal. p. 9.

- Protsenko, V. - Heroes among you. p. 13.  
 Raskin, L. - It was in Leningrad... p. 22.  
 Kurvetsova, M. - In the land of partisan glory. p. 34.  
 Kuprin, M. - With the name of a school graduate. p. 37.  
 Konodo, A. - "To the Russians want war," p. 39.  
 Rodovskii, S. - Friendship between students and soldiers. p. 40.  
 Stanulious, A. - The schools named after a hero. p. 42.  
 Gromov, V. - According to heroic traditions. p. 44.  
 Danilskii, A. - Compulsory education for working youth. p. 46.  
 Kotova, M. - District Office of Public Education as an assistant and supervisor. p. 49.  
 Orlov, N. - This can be done in every school. p. 51.  
 Kuakia, A. - This can be achieved in a stantisa. p. 54.  
 Dali, N. - Then how must we teach? p. 60.  
 Klanchin, V. - Do we see it? p. 71.  
 Shvindt, V. - Educational diary of a Pioneer detachment. p. 74.  
 Prikop'ev, I. - Municipal Pioneer camp. p. 77.  
 Dalia, I. - Wall newspaper in a working school camp. p. 80.  
 Razumov, M. - Airships in a battle formation. p. 82.  
 Solov'eva, E. - Both teachers and children like it. p. 84.  
 Rogozhnikov, I. - There should be more respect for student's personality. p. 88.  
 Malkina, O. - Essence of pedagogical fact. p. 89.  
 Mikhailov, S. - Working with upperclassmen on self-education. p. 93.  
 Zolonechkovskii, A. - In the schools of Mongolia. p. 94.  
 Kaevin, G. - In the experimental schools of Czechoslovakia. p. 96.  
 Lapchinskaja, V. - School communes in Hungary. p. 97.  
 Klepikov, V. - Public education in Kenya. p. 98.  
 Nusenbaum, A. - Social psychology of education in Great Britain. p. 101.  
 Read it in the periodicals. p. 120.  
 In the periodicals of our islands. p. 121.  
 Tsovanov, G. - Conference on programmed instruction. p. 122.  
 Kurakova, E. - Courses for the representatives of minority districts. p. 123.  
 Zerkovitch, I. - Interscholar mathematical clubs. p. 125.  
 Report on comparative pedagogics. p. 126.  
 Krasnova, M. - In anticipation of summer. Supplement, 16 p.

**NOUKOGUDE KOOL [SOVIET SCHOOL].** Issued by Eesti Nookogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.]. Tallinn, no. 5, May 1965. [In Estonian]

**RADIANS'KA SHKOLA [SOVIET SCHOOL].** Organ of Ministerstva osvity Ukrainy kol RSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 43, no. 4, Apr. 1965.

- Table of contents translated:  
 Kolomichenko, I. I. - V. I. Lenin and some aspects of the cultural revolution in the Ukraine. p. 1.  
 Kroi, S. I. E. - Basis for the intellectual development of youth. p. 10.  
 Honcharenko, M. K. - Some theoretical bases for the system of educational work in schools. p. 15.  
 Ivanenko, H. S. - Development of public education in the Ukraine in 1917-1920. p. 25.  
 Mazurkevych, O. R. - At the sources of the Soviet system of adult education. p. 25.  
 Fridman, L. M. - Algorithms of recognition. p. 32.  
 Podiasyl, I. P. - Cybernetics school club. p. 41.  
 Erdnilev, P. M. - Solving problem in the 2d grade. p. 46.  
 Buhalevych, I. V., Kysel'ov, P. S. - Nature study in primary grades. p. 54.  
 Zaslava'ka, S. H. - Pioneer detachments based on interests. p. 57.  
 Iurchuk, A. O. - Changeable ABC book. p. 60.  
 Ivashyna, H. Z., Savvits'ka, H. I. - Discussing the problems of the training of primary grade teachers. p. 61.  
 Tykhomyrova, V. O. - Training of upperclassmen for the communal and political activities. p. 63.  
 Minzberh, N. M. - Artists in the struggle against religion. p. 67.  
 Shulyk, P. M. - Vyzhnytsa National Museum. p. 75.  
 Krapotushnyi, I. V. - Shortcomings in the knowledge of school graduates. p. 79.  
 Kukhar, V. M., Konforovych, A. H. - Mathematical training of students. p. 84.  
 Nikolayeva, H. M. - Metals in a secondary school chemistry course. p. 81.  
 Skul's'kyi, R. P. - Device for the remote control of the epidiascope. p. 90.  
 Homonai, V. V. - Pedagogical science in the People's Hungary. p. 98.  
 Kosova, Z., Cherpins'kyi, M. - From the pages of "Narodna prosveta," p. 100.

Mykhailenko, H. - Manual for school inspectors and principals. p. 104.  
 In the Ministry of Education of the Ukrainian S.S.R. p. 109.

Vol. 44, no. 5, May 1965

- Table of contents translated:  
 Zbanals'kyi, Iurii - Man is born for happiness p. 1.  
 Hryb, Kuz'ma - By the call of the heart p. 3.  
 Totin, Volodymyr - Mal'okina's school. p. 11.  
 Testia, O. F. - Falcon. p. 18.  
 Liaschenko, H. P. - Schools of the Donets Basin in the years of the Great Patriotic War. p. 20.  
 Shashko, T. M. - Along the roads of partisan glory. p. 22.  
 Kurbatov, P. M. - We train them according to battle traditions. p. 27.  
 Nizhyn's'kyi, M. P. - He taught to love children p. 32.  
 Novyda, P. I. - Guarding the peace. p. 34.  
 Onyschuk, V. O., Martynenko, D. N. - Laboratory and practical work during reviewing p. 38.  
 Koval', M. F. - "Parents with their children's first teachers..." p. 44.  
 Shakurov, R. Kh. - Judgment of the community as a means of training in moral strength. p. 47.  
 Furzhenko, O. I., El'kin, D. H. - Contribution of the Odessa University scientists to the development of psychology p. 53.  
 Today and tomorrow of people's universities p. 56.  
 Kondratyuk, O. P. - Important link of pedagogical compulsory education p. 57.  
 Kolesnyk, I. H. - Schools of the art of teaching p. 59.  
 Hryshchenko, M. M. - Highest grade of pedagogical education. p. 62.  
 Plit'desh, R. Iu. - First in the Ukraine. p. 65.  
 Balalych, T. N. - Our suggestions. p. 69.  
 Batur's'kyi, A. D. - In the department of social sciences. p. 70.  
 Strekalova's'ka, N. F. - In the "Leader's school." p. 72.  
 Masbys'te, Iu. I. - Study of the comparative effectiveness of constructed and selected answers p. 74.  
 Doroshov, V. D. - UKM-1 teaching and controlling machine. p. 82.  
 Radzaniv's'kyi, O. M. - To overcome repeating a year is a requirement of our times. p. 86.  
 Honcharenko, M. I. - Feeling the beauty of work. p. 91.  
 Plakhotnyk, V. M. - Mastering the construction of the English language in grades 1-2. p. 94.  
 Gvyshev, M. V., Stepanenko, O. V. - Visual aids out of paraffin. p. 100.  
 Teslenko, I. F. - Interesting mathematical dictionary. p. 104.  
 Bursa, H. P., Slipenok, S. O. - Textbook on atheistic education. p. 105.

**RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Bulletin [Ministry of Higher and Secondary Specialized Education, Bulletin].** Moscow, nos. 3-5, Mar. - May 1965.

**SEM'IA I SHKOLA [FAMILY AND SCHOOL].** Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 20, no. 5, May 1965.

- Table of contents translated:  
 Orlovskii, Kirill. - May 1st and May 9th. p. 1.  
 Neginskii, S. - Nobody is forgotten and nothing is forgotten p. 2.  
 Zlatogorov, Mikhail. - Leafing through the front-line notebooks. p. 5.  
 Gromov, V., Pozhidayev, I. - Boys asked to be sent to the front lines. p. 9.  
 Aleksee, Viktor. - Following the battles; reporting p. 11.  
 Glukhovskii, S. - Immortal memory of the people. p. 12.  
 Kofman, Georgii. - Big school and big family. p. 14.  
 Volgina, V. - Natasha's museum. p. 16.  
 Great Florentine. p. 17.  
 Truthfully, sincerely, and simply... p. 17.  
 Shumilin, E. - From one to three years. p. 18.  
 From the pedagogical heritage of V. I. Stolunin. p. 20.  
 Rostov, V. - Practice and conclusions. p. 22.  
 Karpenko, Viktor. - In the environments of Gor'kiy. p. 24.  
 Korneshov, L. - Don't humiliate love! p. 28.  
 Tashko, V. - They did not admit Stasik into the Pioneers... p. 31.  
 Vasil'ov, M. - From the pages of a partisan diary. p. 33.  
 Nordshleim, T. - Painter with a passionate temperament. p. 33.  
 Iakimenko, L. - Poet of working people. p. 34.  
 Dolina, N. - Just to be honest... p. 38.  
 Karbovskaia, Varvara. - Hundred times "Good luck to you!" p. 37.  
 Mur, E. - Last swamp. p. 44.

- Pokidov, N. - City transport p. 45.  
 Timonin, A. - The play is lying on the desk p. 46.  
 Nemtina, N., Charkina, E. - Summer clothing for children p. 47.

**SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY].** Issued by Ministerstvo osvetcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 9, no. 4, Apr. 1965.

- Table of contents translated:  
 Dubinin, N. G. - V. I. Lenin on the work training of youth. p. 4.  
 Andreev, A. I. - Let's instruct and train. p. 8.  
 Kriuchkov, A. F. - Closer to life. p. 11.  
 Potjakov, A. A. - More on programs p. 15.  
 Korolev, K. P. - Some problems of the content of work training. p. 20.  
 Gladkil, P. P. - Use of the school gardens. p. 22.  
 Boverman, V. B., Margolina, E. A. - Televised excursions to industrial plants. p. 25.  
 Vitskaev, D. N. - Path to their hearts. p. 26.  
 Solovova, R. P. - Young experimenters help villagers p. 32.  
 Kitaev, I. G. - Instruction in the progressive cultivation of agricultural crops. p. 35.  
 Minin, G. E. - Evaluating and grading of the students' knowledge and skills. p. 38.  
 Grigor'ev, A. M. - Studying the additional projections in the 8th grade. p. 40.  
 Anisimov, N. N., Kucher', I. V. - Role of mechanical drawing. p. 46.  
 Zhizhin, V. D. - Instruction in the reading of work designs. p. 48.  
 Znamenskiy, Iu. P. - Schools should have the new technological equipment. p. 55.  
 Logachev, G. A., Roitman, I. A. - Universal jug borer. p. 60.  
 Vasin, G. P. - Making a mousetrap. p. 64.  
 Churikov, I. A. - Wood milling machine. p. 68.  
 Vol'rov, G. B. - Portable demonstration table. p. 69.  
 Barteneva, V. S. - Children's technical creativeness. p. 72.  
 Smirnov, V. I. - Study of the local history and geography as an important means of students' training. p. 74.  
 Sokov, K. F., Iamshchikov, V. N. - Teaching practice of the students of an industrial-pedagogical faculty. p. 77.  
 Plukah, P. I. - Creators of agricultural machinery. p. 79.  
 Bogot'man, Sh. M. - Grafting by means of a sprouting bud. p. 85.  
 Malinin, V. I. - "Common market" and the problems of vocational education. p. 86.  
 Scholars and scientists. p. 94.

Vol. 9, no. 5, May 1965.

- Table of contents translated:  
 Heroism of Soviet youth. p. 2.  
 Pal'tseva, A. M. - 10 years of study and work. p. 7.  
 Dula, I. P. - Supervision of student brigades. p. 12.  
 Khodovych, V. P., Dolgov, V. A. - Mar'inskaya student brigade. p. 14.  
 Tolmachev, S. S. - Young Virgin Territory workers are growing up. p. 17.  
 Shergulokov, Iu. V. - Interesting experiment. p. 19.  
 Alekseev, A. V. - Let's develop and improve the work of brigades. p. 20.  
 Demidov, N. N. - Work training in rural schools. p. 24.  
 Plenev, V. S. - Teaching students to plan their work. p. 26.  
 Prokop'ev, K. P. - Work excursions in rural schools. p. 28.  
 Ivanovich, K. A., Kachnev, V. I. - Let's teach and train by means of creative work. p. 30.  
 Dubov, A. G. - Let's improve the level of work training. p. 34.  
 Novozhilov, E. D. - Let's take into consideration the practices of the best. p. 39.  
 Mokhov, I. V. - Vocational orientation of students. p. 41.  
 Vorotnikov, I. A. - Notes of a mechanical drawing teacher. p. 42.  
 Mironov, B. G. - A unified graphic system. p. 47.  
 Koval', S. S. - Protective screen for the TV-18 screw-cutting lathe. p. 53.  
 Antonov, L. P. - Articles made of wood. p. 55.  
 Logachev, G. A., Roitman, I. A. - Universal self-gripping guide clip. p. 60.  
 Serov, I. I. - "Species of wood" stand. p. 63.  
 Slepilov, V. A. - Work area of an instructor. p. 65.  
 Grigor'ev, D. V., Kondrat'ev, N. P. - Vertical cutter head. p. 69.  
 Taganov, B. V. - Vice for a drill press. p. 70.  
 Riazantsev, M. M. - How to lengthen the service time of a joiner's bench. p. 72.  
 Abelian, G. A. - Progressive techniques in potato growing. p. 73.  
 Koldaev, V. N. - Advice on gardening. p. 78.  
 Novikov, A. A. - Training of students for experimental work. p. 78.  
 Shiroldikh, D. P. - Complex practical work of students. p. 81.



- Lobov, M. F. - Study of progressive experience, p. 83.  
 Ishchenko, N. V. - Student excursion to a stock breeding farm, p. 85.  
 Guskov, A. Kh. - In the rural schools of Kuybyshev Province, p. 88.
- SHKOLA-INTERNAT [BOARDING SCHOOL].** Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, vol. 5, no. 3, May-June 1965.
- SKOLA UN ĢIMENE [SCHOOL AND FAMILY].** Issued by LPSR izglitiba ministrija [Ministry of Education of the Latvian S.S.R.] Riga, no. 5(17), May 1965. [In Latvian]
- SOVET MAK'TABI [SOVIET SCHOOL].** Organ of Ministerstvo prosveshcheniya Uzbekskoi SSR [Ministry of Education of the Uzbek S.S.R.]. Tashkent, no. 4, Apr. 1965. [In Uzbek]
- SOVETSKAYA PEDAGOGIKA [SOVIET PEDAGOGY]** Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 29, no. 4, Apr. 1965.
- Table of contents translated:  
 Following the great precepts, p. 3.  
 Krupskaya, N. K. - Lenin's method of research, p. 12.  
 Krupskaya, N. K. - V. I. Lenin's work methods, p. 15.  
 Pokrovskii, M. N. - Lenin and the institutions of higher learning, p. 18.  
 Goncharov, N. K. - V. I. Lenin on the school training in scientific viewpoint and ideology, p. 21.  
 Skafirin, M. N. - V. I. Lenin on the combination of training, productive work, and technical education, p. 33.  
 Sakharov, A. M., Kinkul'in, A. T. - V. I. Lenin's works on the study of history in schools, p. 45.  
 Ivanovich, K. A., Durasevich, I. U. E. - In a school dedicated to the memory of V. I. Lenin, p. 53.  
 Hel'son, L. B., Kreimer, A. I. A. - Comparative efficiency of various outlines in the presentation of academic material, p. 61.  
 Kaimyshev, A. L., Tomul', A. I. - Moral education in Ulanov family, p. 71.  
 Krasnov, N. G. - Ulanov family and the education of Chuvashes, p. 81.  
 Rudnova, E. I. - N. K. Krupskaya on the development of children's personality, p. 86.  
 Frankovich, Dragutin. - V. I. Lenin's ideas in the public education of Yugoslavia, p. 97.  
 Cogniot, Georges. - Lenin and French teachers, p. 103.  
 Solov'ev, A. F. - Following the example of the life and work of Vladimir Il'ich Lenin, p. 107.  
 Neumysyakin, N. I. - Training of youth according to the revolutionary and labor family traditions, p. 110.  
 Baev, S. A. - School museum dedicated to Lenin, p. 116.  
 Bondarevskaya, E. V. - Determining the level of student training, p. 122.  
 Foteeva, A. I. - Children's books about Lenin, p. 132.  
 Mordkovich, V. G., Arkhangel'skii, A. M. - Interesting document of our time. "I and my time," p. 137.  
 Kirillov, M. K. - Pedagogical works of S. T. Shatskii, Volume 2, p. 140.  
 Iarmachenko, N. D. - "Concise defectological dictionary," p. 142.  
 Znamenskii, I. U. - "Use of audio-visual aids in the teaching of physics" by N. M. Shakmaev, p. 144.  
 Dolin, V. - "Marx and Engels on the combining of training with productive work and on technical education" by Gotthold Krapp, p. 145.  
 Andreeva, E. P. - New books, p. 145.  
 Delneko, M. - General meeting of the Academy of Pedagogical Sciences of the R.S.F.S.R., p. 149.  
 In the Presidium of the Academy of Pedagogical Sciences of the R.S.F.S.R., p. 153.  
 Il'in, V., Petrichenko, S. - Problems of the theory and methods of moral education, p. 154.  
 Makhchanian, G. - Research should be coordinated, p. 156.  
 Kolyatskii, I. - In the Chernovtsy laboratory of the Academy of Pedagogical Sciences of the R.S.F.S.R., p. 158.
- Vol. 29, no. 5, May 1965.
- Table of contents translated:  
 Twentieth anniversary of the great victory, p. 3.  
 Kalrov, I. A. - Pedagogical science and schools, p. 10.  
 Goncharov, N. K. - Some theoretical prerequisites for the training system in schools, p. 25.  
 Markushevich, A. I. - Mathematical science and formal education, p. 40.  
 Markosian, A. A. - Age-conditioned physiology and the problems of pedagogics, p. 48.  
 Iantsov, A. I. - Some problems of the outlining of academic subjects, p. 59.  
 Lavrov, A. N. - Content of a school course in biology, p. 68.  
 Potlakov, E. N. - Character training system of a class adviser, p. 72.
- Monoszon, I. I. - Character training of students based on heroic deeds, p. 80.  
 Butulova, I. M. - V. I. Lenin on culture and public education, p. 85.  
 Nelmark, M. S. - Affects in children and the ways to overcome them, p. 91.  
 Lordkipanidze, D. O. - Let's create a pedagogical atmosphere at the universities, p. 100.  
 Arel, I. A. - Pedagogical practice of university students, p. 104.  
 Iarkina, T. F. - Soviet schools in the years of the Great Patriotic War, p. 109.  
 Raskin, L. E. - Heroism of everyday life, p. 119.  
 Gil'bukh, I. U. Z. - Discussion in the United States on the content and methods of work instruction, p. 128.  
 Education abroad; according to the material of TASS, p. 136.  
 Danilov, M. A. - Shortcomings of the textbook on the child and educational psychology, p. 139.  
 Esipov, B. P. - Edifying role of training methods, p. 143.  
 In the Academy of Pedagogical Sciences of the R.S.F.S.R., p. 148.  
 Anniversary of a scientist, on the occasion of the 85th birthday of V. I. A. Struminskii, p. 150.  
 Mallovanov, A. - In the committee on the content of elementary education, p. 151.  
 Burov, V. - In the committee on physics, p. 153.  
 Belen'kii, G. - In the committee on literature, p. 155.  
 V. I. Kirensko; obituary, p. 158.  
 V. A. Veikhan; obituary, p. 158.
- SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION].** Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 12, no. 4, Apr. 1965.
- Table of contents translated:  
 Polukhin, P. I. - Let's supply technical schools with high-quality educational literature in the shortest possible time, p. 1.  
 To be seen at the Exhibition of Achievements of the National Economy of the U.S.S.R., p. 4.  
 They fought for their country, p. 8.  
 Senina, I. A. - Methods of stimulating students during the educational process, p. 12.  
 Myrman, L. G., Narizhniuk, M. V. - Chemical Olympiad, p. 18.  
 Sidorov, E. V. - Technical information in classes, p. 21.  
 Rusin, K. - Degree project in agricultural technical schools, p. 22.  
 Bernshein, I. V. - Let's persistently strengthen the connection between subjects in evening schools, p. 23.  
 Kadin, G. B. - Interesting form of the independent work of correspondence students, p. 25.  
 Pavlenko, N. V., Laush, P. V. - Practical training of the future agricultural machine operators, p. 28.  
 Chernetsov, P. A. - Practice of future teachers in Pioneer camps, p. 32.  
 Kuras, G. - Technical creativeness of students, p. 35.  
 Grinman, V. - Republic-wide camp of active workers of the Communist Youth League, p. 37.  
 Kykov, A. I. - Bureaucracy as a hindrance to vital work, p. 41.  
 Shabalina, A. N. - Our concern for the development of aesthetic tastes in students, p. 44.  
 Kilgman, S. S. - Mechanized blackboard, p. 46.  
 Podgornyi, P. I. - Review of a textbook on plant growing: "Plant breeding" by F. M. Prutskov, V. P. Rubtsova, B. D. Kriuchev, p. 48.  
 Arlakin, V. K. - Training of young specialists in the United Arab Republic, p. 51.
- VECHERNIAIA SREDNIAIA SHKOLA [EVENING SECONDARY SCHOOL].** Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 8, no. 2, Mar-Apr. 1965.
- Table of contents translated:  
 Quality of knowledge is the main thing, p. 3.  
 Creativeness is born in a group, p. 6.  
 Baver, V. S. - In search of new ways, p. 7.  
 Arushanova, M. I., Ozhderel'ova, L. P. - Our methodological associations, p. 12.  
 Korobkova, L. P. - Plan and its carrying out, p. 14.  
 Glikina, L. I. - According to the laws of beauty, p. 17.  
 Serova, S. N., Gavendo, E. V. - This helps their work, p. 21.  
 Bogomolova, N. V. - Knowledge, talent, and creativeness, p. 23.  
 Venetkovskii, L. E. - Pedagogical practice of physics students, p. 28.  
 Liakhov, I. I. - Let's develop the students' independence, p. 31.  
 Kertsmann, G. I. - Physics in district schools, p. 34.  
 Suvorov, N. P. - Physics in foremen schools, p. 40.  
 Kiselev, E. A. - Study and productive activities of students, p. 42.  
 Osadchuk, L. A. - Physics classes at the plant, p. 44.
- Zharkov, I. U. P. - Physics in a textile workers school, p. 46.  
 Bernshein, I. V. - Use of industrial and technical material in the study of optics, p. 48.  
 Borisova, M. I., Nesterenko, F. P. - Practical work on physics in the 8th grade, p. 50.  
 Shilova, S. F. - Home assignments and the quality of knowledge, p. 52.  
 Mel'nikov, A. S. - Experiment with the electric circuits equipment, p. 54.  
 Novos, A. V. - Forming the students' worldview in physics classes, p. 58.  
 Markova, A. N. - Scientific and technical terminology in foreign language classes, p. 62.  
 Erofeev, I. A. - Material of the December (1961) Session of the Supreme Soviet of the U.S.S.R. in geography classes, p. 69.  
 Morozova, T. G. - Energetics of Eastern Siberia and the distribution of production forces, p. 72.  
 Fivel'skii, E. A. - Mathematical training can and should be thorough, p. 75.  
 Shevnikov, F. N. - Content and volume of a geography course, p. 80.  
 Berzin, E. I. - New stage in the development of socialist democracy, p. 85.  
 Mel'nikov, A. B. - Literature on V. I. Lenin, p. 86.  
 From the "Pedagogical readings," p. 94.
- VESTNIK VYSSHEI SHKOLY [REVIEW OF SCIENCE FOR HIGHER EDUCATION].** Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 23, no. 3, Apr. 1965.
- Table of contents translated:  
 Solerov, V. P. - Flight of "Voskhod-2" as a new stage in the development of astronautics, p. 3.  
 International duty of the Soviet institutions of higher learning, p. 5.  
 Bratslavskii, I. I. A. - Lenin stood at the cradle of the Soviet institutions of higher learning, p. 9.  
 Prokof'ev, M. A. - Institutions of higher learning will get good reinforcements, p. 16.  
 Dem'ianuk, F. S., Plotnev, P. P. - Machinery in industry will get well-educated mechanical engineers, p. 18.  
 Ermakov, A. P. - The engineer should know how to create, p. 22.  
 Lebedev, A. G., Morin, M. M. - Combination factories and higher technical schools today and tomorrow, p. 26.  
 Kuz'menkov, O. P., Bol'shakov, V. G., Chif, I. V. - Control programs on the course in electrical engineering, p. 34.  
 Znamenskii, I. U. P. - Seminar recommendations, p. 37.  
 Soloukhin, R. I. - What the practice of Novonikol'sk tells us, p. 40.  
 Zhiltskii, M. I., Krasnoshchekov, E. P. - Our suggestions, p. 44.  
 Kornev, A. V., Kutsenko, A. N. - We can agree with it, p. 45.  
 Ngoroshkov, A. L., Manovich, Sh. S., Guretskii, I. M. - Let's teach new data useful for an agriculturalist, p. 46.  
 Tape recorder helps to master a foreign language, survey of articles, p. 48.  
 Chechel', E. G., Shirokov, V. M. - Installation "Magdi-KADI" in operation, p. 53.  
 Pozhidaev, N. N. - Such meetings of scientists are fruitful, p. 58.  
 Zurek, P. E., Ustinov, G. N. - The young teacher at his department, p. 61.  
 Ugrumov, A. L. - Home guard of the '41, p. 65.  
 Rusakov, K. A. - Source of courage, p. 68.  
 Sudarov, B. I. - We remember you, soldier, p. 71.  
 Zin'kovskii, E. B. - Glory to the heroes!, p. 71.  
 Iakushov, A. I. - In a creative search, p. 74.  
 Zalevskii, A. D. - Municipal seminar of institutions, p. 76.  
 Arkhangel'skii, L. M., Molevich, E. F., Abramov, I. A. Kh. - Postgraduate student studies philosophy, p. 78.  
 Bobkov, K. I. - National economy and branch institutions, p. 82.  
 Dulov, A. V. - We need laboratories of foreign psychology, p. 88.  
 Zinatulina, Z. Sh. - Student works as a laboratory technician, p. 87.  
 Rassokhin, V. V. - Electrically illuminated educational posters without the use of metal, p. 88.  
 Makara, N. P. - Together with our Hungarian friends, p. 90.  
 Aleksandrov, M. A. - Taking into consideration the characteristics of independent work: "Course on theoretical mechanics" by N. F. Sakharov, p. 97.
- ZHYTTIA I SHKOLA [LIFE AND SCHOOL].** New Haven, vol. 11, no. 5(65-90), May-June 1965.

## b. PHYSICAL EDUCATION &amp; GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, no. 5, 1965

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Tsentral'nyi Sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Societies and Organizations of the U.S.S.R.]. Moscow, no. 6(804), June 1965.

KEHAKULTUUR [PHYSICAL CULTURE]. Organ of Eesti NSV Spordihingute ja -organisatsioonide Liit [Union of Sports Associations and Organizations of the Estonian S.S.R.]. Tallinn, vol. 26, nos. 9(522)-10(523), May 1965. [In Estonian]

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 11, no. 5(120), May 1965.

RYBOLOV-SPORTSMEN, al'manakh [THE ANGLER; an Almanac]. Moscow, vol. 21, 1964, vol. 22, 1965.

SAHS [CHESS]. Issued by Latvijas PSR Sporta biedrību un organizāciju savienība un Saha federācija [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos. 3(137)-8(142), Feb.-Apr. 1965. [In Latvian]

SHAKHMATY [CHESS]. Issued by Soluz sportivnykh obshchestv i organizatsii i Shakhmatnā federācija Latvijas PSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos. 5(125)-6(126), 8(128), Mar.-Apr. 1965.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soluza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 9, no. 5, 1965.

SPORTIVNYE IGRY [ATHLETIC GAMES]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 11, no. 5(120), May 1965.

TEORIJA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 27(1. o. 28), no. 4, Apr. 1965.

Table of contents translated:  
Dometei, G.S. - Lenin's precepts are carried out p. 1.  
Ageev, V. U. - Communist education in the process of public sport activities. p. 8  
Zatsiorskii, V. M. - Cybernetics and physical education. p. 12  
Lelunov, S. P., and others. - Study of athletes under the conditions of hypoxia as a method for the evaluation of functional state and training. p. 20.  
Il'in, S. V. - Biomechanical analysis of crawling movements in breast crawl swimming. p. 27.  
Psaluk, S. K. - Effect of training on the zinc and iron content in athletes' blood. p. 31  
Vol'nov, N. I. - Blood circulation rate as one of the criteria of training. p. 33.  
Sirotkin, I. U. I., Sirotkina, A. V. - Changes in the functional state indices of a boxer from the effect of a competitive fight. p. 36.  
Volkov, B. S. - Electronic method of studying breathing. p. 41.  
Ivanov, N. I. U. - Movement tempo on a vaulting horse with handles in the higher grade gymnasts. p. 43  
Gotovtsev, P. I. - Delayed disfunction of the vestibular-vegetative apparatus in athletes with a history of cranial and brain trauma. p. 44.  
Fanasorskaia, T. P., Smol'nikova, E. M. - Tension and relaxation of muscles in the shell and canoe oarsmen. p. 48.  
Riabichev, V. A. - Effect of physical education and sports on the functional state of the visual analyzer of deaf children and adolescents. p. 48  
Boletskaia, I. U. V. - Qualitative evaluation of blood pressure after a functional test "LNIIF" (2 minute running in place at 180 steps a minute). p. 50.

Stolbov, V. V. - New distribution of forces on the international sports arena after the Second World War p. 53  
Ziger, V. - Physical perfection as a new social category p. 56  
Gerkan, L. V. - Sociopolitical articles in the periodical "Theorie und Praxis der Koekultur" (1964). p. 58  
Sorokin, N. N. - Planning and content of training bouts on a carpet p. 61  
Iakovlev, V. G. - For the propaganda of physical education for children in a family. p. 64  
Agranovski, M. A. - Further improvement of training methods for athletes of the higher classes (in the nature of a discussion). p. 67  
Baichenko, I. P. - Adaptive changes in the athlete's organism following the improvement of his training and the development of his sports form p. 70.  
Golubev, V. P. - Methodological and research work on physical education in the institutions of higher learning of the Ministry of Agriculture of the U.S.S.R. p. 74  
Kahnykov, M. A. - Results of the work of physical education departments of the Rostov Province institutions of higher learning. p. 77  
Ismailov, R. I. - Anniversary conference on theory and practice. p. 78

Vol. 27(1. o. 28), no. 5, May 1965.

Table of contents translated:  
Twentieth anniversary of the great victory. p. 1.  
Bugrov, N. N. - Graduates of the Moscow Institute of Physical Education and Training as participants of the Great World War. p. 8.  
Mironov, I. V., Vil'kin, I. A. R. - White Russian athletes in the struggle against fascism. p. 11  
Fisov, Z. P. - Let's improve the level of skill of Soviet swimmers p. 15  
Zatsiorskii, V. M. - Cybernetics and physical education (conclusion) p. 22.  
Alipov, D. A. - Effect of the medium altitude range of the Tien Shan on the development of strength and speed in athletes p. 30  
Ionov, D. P., Chorniaev, G. I., Trif'lov, N. D. - Technique of the short distance run. p. 33.  
Ul'ikh, E. S., and others. - Using the means of general physical education during the basic training period for oarsmen. p. 38  
Gabbashvili, I. I., Tolba, Z. V. - Changes in the autographic indices of sleep in athletes from the effect of training loads and competitions. p. 41.  
Sniychev, S. P., Shapkov, I. U. T. - Running start technique in rowing the shell boats p. 44  
Petrov, V. V., Bolevskaia, R. V., Stupina, A. I. A. - Comparative evaluation of the effect of various factors on the statics of bullet marksmen. p. 47.  
Egupov, L. F. - Strength of the nervous system, abilities and the will power of an athlete. p. 53.  
Rogozkin, V. A., Afar, I. A. M., Morzhovikov, N. V. - Use of protein hydrolysates during heavy training loads. p. 56.  
Khvan, M. U. - Excitation of sensory apparatus under the conditions of the medium altitude range of mountain climate. p. 59.  
Petunin, O. V. - Experimental study of the motor skills of a boxer. p. 61.  
Lukashchuk, I. U. K., Petrov, B. A. - Efficient use of heavy training loads in the training of young swimmers p. 63.  
Vorona, I. P. - Training effect of physical exercises included in the working day schedule. p. 67  
Zhukova, N. Kh., Zakharov, V. S. - Effect of competition on the middle aged and old people who occupy themselves with physical education and training p. 69.  
Gerkan, L. V. - Review of the periodical "Theorie und Praxis der Koerperkultur" (German Democratic Republic), No. 1-6 for 1964. p. 73.  
Minkh, A. A. - Hardening can be achieved at any age. "Hardening and health" by A. P. Loplev. p. 77  
Dan'shin, A. G. - Methodological work of the physical education teachers in the institutions of higher learning of Krasnodar Territory. p. 78

## 9. MUSIC, THEATER &amp; MOTION PICTURES

## a. MOTION PICTURES

ISKUSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografi SSSR [Ministry of Culture of the U.S.S.R., and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol. 35, no. 3, 1965.  
Table of contents translated:  
Flow of new forces; a talk with L. Kulidzhanov, Chairman of the Organization Committee, Union of Motion-Picture Employees of the U.S.S.R. p. 1.  
Dovzhenko, A. - Looking into one's eyes. p. 4.  
Mikhailovich, Aleksandr. - People as necessary as the sun. p. 10.

Meller, I. - Prosaic. p. 20  
Golovina, A., and others. - "I am Cuba" p. 24  
Pogostina, V. - To be a man. p. 38.  
Akbarov, Khamidulla - To the search. p. 41  
Rozhdestvenskii, R. - For them and for ourselves. p. 45.  
Asar'yan, A. - "Malla Pilsetskala." p. 48  
Guzevich, G. - How should a planet and its mysteries be shown? p. 50  
Television experts at the round table. p. 53.  
Chronicle of television. p. 67.  
Pogozheva, L. - Participant of a discussion. p. 70.  
Kozintsev, Grigorii - Those who are in the audience. p. 72  
Bogomolov, I. U., Kushnrov, M. - Ordinary magician p. 75.  
Varlanov, An. - Visiting Ivan Lapikov p. 80.  
Drozdowski, Bogumil - Stabilization or stagnation? p. 87  
Hamos, György, Gyertyán, Ervin. - New trends in Hungarian motion pictures. p. 94.  
Karaganov, A. - Encounters in Italy. p. 100  
Bogemskii, G. - "Terrorist" p. 105.  
Iakubovich, O. - "Bagnolo, a village between the red and the black" p. 106  
Aleksandrov, A. - Great artist versus "great" dictators p. 109.  
Dmitriov, V., Mikhailovich, V. - Black jubilee. p. 110.  
From everywhere p. 113.  
Graham, Peter - Lesson of laughter p. 118.  
Motion-picture schedule p. 120  
Ade and Scarpelli, Germi, Pietro., Vincenzoi, Luciano - Tempted and abandoned, or Honor of the Ascalone family, a screenplay Translated from the Italian by G. Bogemskii p. 123

Vol. 35, no. 4, 1965

Table of contents translated  
Spirit of the times. p. 1.  
Gak, A. - V. I. Lenin and motion pictures before the revolution. p. 5  
Pogozheva, L. - Love match p. 14.  
Revich, Vsevolod - Illustrations for history. p. 17.  
Krichavskii, A. - In the land of Polesye. p. 21  
Akkorntov, E. - Prettiness is not beauty. p. 22  
Belokurov, L. - In an artistic way about art. p. 24.  
Ginzburg, S. - "Toplyzhka", or returning to childhood emotions p. 25.  
Kheifits, Iosif, and others. - "I'm twenty years old" p. 27.  
Zagdnanskii, E. - Problem with many unknowns. p. 47.  
Nazarenko, Vadim - In defence of composition. p. 52  
Fadecov, M. - Are there any secrets of film distribution? p. 62.  
Azernikova, A., Grakina, V. - Familiar tunes. p. 68.  
Zelinskii, S. - One television film and its consequences p. 71  
Livanov, G. - Bread. p. 82  
V. I. Nemirovich-Danchenko in Hollywood p. 85.  
Solov'eva, Inna. - Simple films of Jacques Becker. p. 94.  
Zelenko, N. - "Darkness in the afternoon." p. 106.  
Walasek, Mieczyslaw. - "Law and fist" p. 108.  
Vartunov, An. - "Seven days in May." p. 111  
Braginskii, A. - "Feast of plunderers." p. 114.  
Slutskii, Boris. - Ford's film thirty years later. p. 115.  
From everywhere. p. 117.  
Staudte, Wolfgang. - "I'm a political artist" p. 126.  
Haksthausen, Tork. - Problems of Danish documentary films. p. 128  
Gerasimov, Sergei - The journalist (garden and spring), a screenplay. p. 134.  
Vellister, A., Mikharm, A., Segal, I. A. - Dull illness; passages from the screenplay. p. 172.

Vol. 35, no. 5, 1965.

Table of contents translated:  
Khanlutin, I. U. - "When guns fire..." p. 1.  
Iakov Segel' - Companions. p. 27.  
Grigorii Baklanov, - How I lost first place. p. 30.  
Semen Fedikh. - February. p. 34.  
Liubov' Kaluzhnaia. - In a Russian overcoat. p. 38.  
Reizman, Ottillia. - By the light of explosions. p. 41.  
Nikolai Prozorovskii. - Last year of the war. p. 44.  
Jerzy Plazewski. - Responsibility of the living. p. 54.  
Mikostia, V. - Account of my life p. 57.  
Saakov, L. - May 9 in Berlin. p. 69.  
Dzuba, Ivan. - Day of search. p. 73.  
Ponomarev, Igor' - Time and people. p. 82  
Mikhail L'vovskii. - "And we'll still get a break..." p. 86.  
Ignatieva, N. - Only by one's own way! p. 80.  
Viktor Shkolovskii. - Exalted love. p. 93.  
Sharov, A. - "Horizon." p. 98  
Kardin, V. - Day of the present? No, day of the past p. 109.  
Anninskii, L. - War of millions and honor of each person. p. 108.  
Vaisfel'd, I. - Plot and reality. p. 114.  
Savvina, I. A. - Harmony. p. 125.



- Nikolai Okhlopov - A friend. p.131  
 Donatov, A. - How to be a man. p.132.  
 Chronicle of television. p.137  
 Mizhritskii, V. - On the scientific-technical quality of science fiction in motion pictures. p.139  
 Diary of the editorial office. p.140.  
 Georgii Shchukin - Memory and fidelity. p.141.  
 Paramonova, K. - Remarks on Rumanian motion pictures. p.148.  
 Matusevich, V. - "Dilemma". p.154.  
 Klado, N. - "The train". p.156.  
 Nedelin, V. - "All quiet on the western front". 1930-1965. p.159  
 Zingerman, B. - Film-prologue. p.161.  
 Fadiman, William. - But in comparison with the original. p.169  
 Bretislav Kunc - In the "Barrandov" Studio. p.170

Vol 35, no.6, 1965

- Table of contents translated:  
 Motion-picture camera in space. p.1  
 Holidays and ordinary days of art. p.7  
 Maurois, Andre, and others - Letters to Moscow. p.9  
 Arsenov, Pavel, and others - We introduce young film directors. p.27  
 Varshavskii, IA. - From generation to generation. p.50  
 Tsimbal, S. - Wind is necessary for sailing. p.58  
 Papava, Mikhail - Joy of an unexpected encounter. p.69  
 Iutkevich, Sergei - Lenin, Malakovskii, Brecht, and pathos. p.73  
 Gabrilovich, Evg. - Stories about what happened. p.84  
 Vinarskii, M., Derkach, V. - Put science on the screen. p.97.  
 Khloplankina, T. - "Why is it funny?" p.99  
 Shiriaev, IU. - "I want to be strong." p.106  
 Stolanov-Bigor, Georgii - Before a leap? p.109.  
 Antonioni, Michelangelo. - Reality and "motion-picture truth". p.117  
 Koroleva, M. - Returning from Oberhausen. p.119  
 Frid, IA. - "Life inside out". p.124.  
 Osetinskii, Oleg - "Beautiful life". p.128.  
 Zorkala, N. - "Cherbourg umbrellas". p.130  
 Zalakevicius, V. - The bears, a screenplay. p.135

#### KINEOMEKHANIK [MOTION-PICTURE OPERATOR].

Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, no.5, May 1965.

NOVINY KINOEKRAINU [CINEMA NEWS]. Kiev, vol.5, no.5(46), May 1965.

SOVETSKII EKRAIN [THE SOVIET SCREEN]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii and Soizuz rabotnikov kinematografii SSSR [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, no.9(201), May 1965.

SOVETSKII FIL'M [SOVIET FILMS]. Issued by Vsesoiuznoe obshchestvennoe [All-Union Association] "Sovetskii film". Moscow, no.5(98), May 1965.

TEKHNIKA KINO I TELEVIDENIYA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, vol.9, no.5, May 1965.

Translated:  
 technology of the multiple  
 broadcasting. p.1.

- Komar, V.G., Bernshtein, N.D. - The most important tasks in the development of substandard motion picture films. p.9.  
 Vasilevskii, IU. A. - Determining some qualitative characteristics of magnetic tapes and recording systems. p.18.  
 Reshlov, L.IU. - Improving the non-actinic lighting in the processing of black-and-white positive films. p.25.  
 Kustarev, A.K. - Balancing of the signal of the color subcarrier in an alternating receiver. p.35.  
 Duri, J. - Perceptibility of the subcarrier in the SECAM color television system. p.39.  
 Alilskishev, S.A., and others. - Use of lasers for the transmission of television picture and sound. p.44.  
 Gershberg, A.E., and others. - New LI-409 type vidicon. p.50.  
 Gershberg, A.E., Chapurina, I.V. - Vidicon LI-410 with increased resolving power. p.52.  
 Golovskii, E.M., Kashekhobov, A.G., Konoplev, B.N. - From the materials of the 8th Congress of the International Union of Technical Cinematographic Associations. p.57.

Lando, L.A., Iaroshevich, A.F. - Modernization of the type 40P-1 developing machine. p.85.  
 Tsirev, V.N. - Results of the contest organized by the Radio Broadcasting and Television State Committee of the Council of Ministers of the U.S.S.R. p.89.  
 Abstracts. p.80.  
 Scientific and technological news. p.88.

#### b MUSIC

KRUGOZOR [HORIZON]. Moscow, no.5, 1965.

LETOPIS' MUZYKAL'NOI LITERATURY [CHRONICLE OF MUSICAL LITERATURE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.1, 1965.

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soizuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.8, nos.10-11, May-June 1965.

#### c. THEATER

KLUB I KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soizuzov [All-Union Central Council of Trade Unions]. Moscow, vol.14, no.10, May 1965.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, vol.9, no.5(92), May 1965.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, no.11, June 1965.

### 10. FINE ARTS

#### a. GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.]. Issued by Soizuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, vol.9, no.5(90), May 1965.

KHUDOZHNIK [ARTIST]. Issued by Soizuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.]. Moscow, vol.7, no.5, 1965.

KUNST JA KODU [ART AND DAILY LIVING]. Tallinn, no.2, 1964. [In Estonian]

LETOPIS' IZOBRAZITEL'NOGO ISKUSSTVA [CHRONICLE OF FINE ARTS]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.1, 1965.

#### b. ARCHITECTURE

ARKITEKTURNOE NASLEDSTVO [ARCHITECTURAL HERITAGE]. Issued by Institut teorii i istorii arkhitektury i stroitel'noi tekhniki Akademii stroitel'stva i arkhitektury SSSR [Institute of the Theory and History of Architecture and Construction Engineering of the Academy of Building and Architecture of the U.S.S.R.]. Moscow, vol.17, 1964.

- Table of contents translated:  
 Jankeviciene, A. - Some structures of the 16th-century Vilnius. p.3.  
 Kvinitskala, E.D. - Planning of Grodno during the 16th to the 18th century. p.11.  
 Chanturila, V.A. - Architectural monuments of White Russia; recent measurements. p.39.  
 Khapakhch'ian, O.Kh. - Refectories of Zvartnots and Tatevi Mets Anapat. p.51.  
 Khapakhch'ian, O.Kh. - Engineering structures of Armenia. p.67.  
 Khan-Magomedov, S.O. - Walls and towers of the Derbent stronghold. p.121.  
 Mamikonov, L.G. - Module in the composition of the castle of the shirvanshahs in Baku. p.147.  
 Kriukov, K.S. - Module in the monuments of Central Asian architecture. p.155.  
 Bulatov, M.S. - Mausoleum of the sultan Sandzhar. p.187.  
 Nil'sen, V.A. - Rural buildings of the early period of feudalism in Uzbekistan. p.177.

Pribytkova, A.M. - The "beautiful" mosque of Dandnakan. p.185.  
 Pribytkova, A.M. - Structural characteristics of Central Asian minarets of the period from the 10th to the 12th century. p.195.  
 Bozodina, I.F. - Interior of the Ak-Saray mausoleum in Samarkand. p.207.  
 Voronina, V.L. - Synthesis of the arts in the architecture of Central Asia. p.215.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gosodskogo soveta deputatov trudiaschchikhsia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol.27, no.4, Apr. 1965.

- Table of contents translated:  
 Isayev, V.IA. - New goals are ahead. p.1.  
 Sizov, A.A. - Main Construction Administration of the City of Leningrad is ten years old. p.3  
 Khotianov, S.L. - Polyustrov. p.8  
 Trukhai', K.V. - Obukhovskiy. p.10.  
 Kugushev, I.N. - Avtov. p.12.  
 Khachaturov, S.S. - Kuznetsovskiy. p.14  
 Grishchenko, N.I. - Nevskiy. p.16.  
 Afanas'ev, V.A. - Work and people of a brigade. p.18.  
 Zhuk, A.V. - In close creative cooperation. p.20.  
 Uspenskii, V.V. - They extend knowledge and improve skills. p.22  
 Ivanova, N.A. - Work flow, rhythm, and input. p.24.  
 Iakovlev, G.P. - Make better use of machinery. p.28.  
 Krylov, K.E. - Practices of a trust in building a section of a city. p.28.  
 Fedorov, B.D. - Use all the new and advanced practices in the construction industry. p.30.  
 Rainis, L.S. - After the example of large-panel construction; problems in the improvement of brick housing construction. p.32.  
 Berezovskii, I.P. - Construction offices specialize. p.34.  
 Moisevich, A.IA. - Important unit in industrial housing construction. p.36.  
 Kochnev, V.A., Chulkevich, G.P. - Construction product is a finished item. p.37.  
 Suponitskii, Z.G. - Reducing laborious procedures in finishing work. p.38.  
 Starov, A.F. - For agriculture. p.40.

STROITEL'STVO I ARKHITEKTURA MOSKVY [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gosodskogo Soveta deputatov trudiaschchikhsia [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol.14, no.4, Apr. 1965.

- Table of contents translated:  
 Lovelko, I. - Along the Dimitrov Road. p.1.  
 Avrutin, IU., Matveev, N. - Overall industrialization of preparatory operations. p.6.  
 Sokolov, V. - Twenty-story hotels for Smolensk Square. p.9.  
 Shapovalova, G. - On the forefront of quality. p.13.  
 Kuznetsov, G. - Some problems in designing multi-story apartment houses. p.16.  
 Zamskaya, K., Cherkover, M., Zaka, N. - With extensive use of glass. p.20.  
 Krichenskaya, E. - Improved features of elements of precast concrete roofs. p.24.  
 Voloshinov, G. - Reconstruction of the Kursk Railroad Station. p.26  
 Ushakov, V. - "Domodedovo" Air Terminal. p.28.  
 Kazakin, V., Kravchenko, I. - Helicopter at the building site. p.33.

STROITEL'STVO I ARKHITEKTURA SREDNEI AZII [CONSTRUCTION AND ARCHITECTURE OF CENTRAL ASIA]. Organ of Gosudarstvennyi proizvodstvennyi komitet po stroitel'stvu Sredneazitskogo ekonomicheskogo raiona SSSR [State Production Committee for Construction of the Central Asiatic Economic Region of the U.S.S.R.]. Tashkent, vol.1, no.3, Sep. 1964.

- Table of contents translated:  
 Petrosov, S.M., Klevskii, V.G. - Technological progress and raising the standard of economic work in construction. p.1.  
 Awards. p.5  
 Blum, B.I., Akramov, M.A. - Improved 1-3101 series of standard plans for residential buildings with brick walls. p.6.  
 Sheherbin, L. - Consolidated builders' school of advanced practices. p.9.  
 Makhtumov, K. - Sectional switch for a stop light. p.10.  
 Popov, V. - Pressing of wooden slabs. p.11.  
 Fridman, A.G. - For a regular flow of production in construction. p.12.  
 Glotov, V.L. - Device for boring brake shoes of automobiles. p.14.  
 Babitskii, K. - Construction Department of the Tashkent Polytechnical Institute is thirty years old. p.16.

Gol'dstein, B. - Thermoxylorol is an inexpensive heat insulating material. p. 16.  
 Irkutov, V. - Against "homemade beauties". p. 17.  
 Mukurdumov, R. M., and others - Sewage pumping station without previous processing of wastes. p. 18.  
 Kurninov, A. F. - Always on the road. p. 20.  
 Turbat, M. - Force of the collective. p. 23.  
 Basova, L. I. - Give the green light to improved production methods. p. 24.  
 Kurnanov, K. V. - Pressure relay for automatic performance of compressors. p. 24.  
 Simkin, M. L. - Industrialization of electric installation work in illumination. p. 26.  
 Ljubimov, A. - Nonrolled liquid roofing. p. 28.  
 Shamsutdinov, R. - New dump-truck trailers. p. 30.  
 Ponomarev, I. - Dzhlirids, D. - Barchan sand is a valuable building material. p. 32.  
 Soboln, G. V., Chernova, M. F. - Alluvial and hydraulic calculation of channels. p. 33.  
 Kuz'michev, I. - Industrial methods in the landscaping of cities. p. 36.  
 Ostravskii, E. M. - Technology of earthwork and soil compaction in the laying of underground pipelines. p. 40.  
 Coordination of operations is important. p. 45.

**STROITEL'STVO I ARKHITEKTURA UZBEKISTANA**  
**[CONSTRUCTION AND ARCHITECTURE OF UZBEKISTAN]** Organ of Ministerstvo stroitel'stva i Gosstrof Uzbekskoi SSR [Ministry for Construction and the State Committee for Construction of the Uzbek S.S.R.]. Tashkent, vol. 8, no. 2, Feb. 1965.  
 Table of contents translated:  
 Krotkevich, G. L., Shavarin, V. N. - Build quickly, inexpensively, and beautifully. p. 1.  
 Nikitin, I. U. - Study helps practice. p. 5.  
 Fel'dman, I. L. - Practices in training electric installation workers. p. 7.  
 Klromykh, B. A., Tiagol, L. M. - Self-propelled curb-stone layer. p. 8.  
 Gershberg, I. - Pneumatic hammer for driving nails. p. 10.  
 Laschevlov, F. M., Potokhin, G. A. - New standard electrical units for the construction industry. p. 11.  
 Khalilov, R. R. - Consolidation of exterior wall panels. p. 13.  
 Ruderman, L. G., Klushnin, I. U. P., Shemiakin, D. D. - Economic effectiveness of electric curing of precast reinforced concrete. p. 10.  
 Shleikher, P. P., Plant for metal structures. p. 21.  
 Zhelezniakov, V. A., Sarkisov, S. K. - Ventilation of classrooms. p. 25.  
 Gubanov, V., Davydova, R. - Effective landscape gardening for cities of Turkmenistan. p. 27.  
 Mikhailov, A., Khomenko, N. - Business accounting in action. p. 28.  
 Dzhlirids, D. D., Kurbanbayev, P. O. - Thermal activation of Kara Kum sands in a cyclonic device.  
 Kanglov, Sh. M. - Story built in six days. p. 14.  
 Unrau, V. - Straight edge for facing operations. p. 15.  
 Laptev, A. - Calculations on computing machines. p. 16.  
 p. 26.  
 Shishkanov, G. F. - Flexible pile foundations. p. 30.  
 Lapin, N. V. - Calculating resistance to scouring of river beds and canals in mountain and piedmont areas. p. 32.  
 Mel'nikov, A., Vestfal', V. - Facing the problem. p. 30.  
 Filler from the ash of powered fuel. p. 41.  
 In the State Committee on Construction of the Council of Ministers of the U.S.S.R. p. 42.

## 11. LANGUAGE, LITERATURE & FOLKLORE

### a. LANGUAGE

**KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]**. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol. 8, no. 6, June 1965. [In Estonian]

**LVOV, UNIVERSYTET**. Visnyk. Seriya filologichna [UNIVERSITY. Review, Philological Series]. No. 1, 1963.

Table of contents translated:  
 From the history of the Philology Faculty. p. 3.  
 Morozova, E. F. - Vorovskii's views of Chekhov. p. 6.  
 Denysuk, Y. A. - Chekhov and the Ukraine. p. 14.  
 Klymkova, L. N. - Traditions of I. S. Turgenev in the dramaturgy of A. P. Chekhov. p. 21.  
 Gribovskaya, A. I. - Chekhov in Polish criticism. p. 30.  
 Rudnyts'kyi, M. I. - Lesia Ukrainka's use of a Shakespearean motif. p. 40.

Pollanina, T. V. - Skill of Herten as publicist; the 1830's and 1840's. p. 50.  
 Osadchii, M. H. - From the literary practice of Ostap Vyshnia, feuilletonist for the newspaper "Visti". p. 59.  
 Hryka, I. I. - B. Czerwinski as author of the "Red banner". p. 65.  
 Gazei, I. S. - History of the struggle against decadence in Russian literature, I. A. Bunin on literary decay. p. 69.  
 Motornii, V. A. - Soviet criticism on the works of T. Svatopluk. p. 80.  
 Kovalyk, I. I. - Historical changes of differential signs in the system of vowel phonemes in Old Russian and Ukrainian. p. 83.  
 Petychyni, I. Z. - Incomplete sentences in the language of I. Franko's prose. p. 91.  
 Volnova, E. S. - Grammatical nature of comparative constructions. p. 96.  
 Red'ko, I. U. K. - Ukrainian compound surnames. p. 99.  
 Peti ovskii, V. I. - N. A. Dobolubov on the national character of the literary language. p. 104.  
 Tolymovych, K. K. - "Syntactic ties" between components of compound words; from materials of the Czech language prior to the Battle of the White Mountain. p. 108.  
 Voyni, T. M. - Characteristics of prefixal verbs in the Bilya dialect of Turka District in Lvov Province. p. 113.  
 Andel, V. P. - Formation of abstract nouns with the suffix "-ota" in Czech. p. 118.  
 Kostuba, P. P. - Determining the articulation of the Ukrainian "y". p. 124.  
 Lastovets'ka, H. K. - Boiki-Slovak lexical parallels, from studies of the vocabulary used in the village of Bilya, Turka District, Lvov Province. p. 127.  
 Brief news. p. 130.

**RUSKII IZAYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]**. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 1, 3, Jan.-Feb., May-June 1965.

### b. LITERATURE & FOLKLORE

**AKADEMIA NAUK SSSR**. Izvestia, Seriya Literatury i Iazyka [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin, Series in Literature and Language]. Moscow, vol. 24, no. 2, Mar.-Apr. 1965.  
 Table of contents translated:  
 Gura, V. V. - At the beginning of the road; Mikhail Sholokhov and the "Young guard". p. 105.  
 Kiseleva, L. F. - Characteristics of psychological analysis in Sholokhov's novel "And quiet flows the Don". p. 118.  
 Golenishchev-Kutuzov, I. N. - Dante in Soviet culture. p. 120.  
 Ambrazas, V. - History of the dative independent in Lithuanian. p. 145.  
 Khindakov, S. M. - Case system of the Archi language, in comparison with other Lezghian languages. p. 153.  
 Kuz'min, A. I. - Meeting of the Department of Languages and Literature, Academy of Sciences of the U.S.S.R. p. 172.  
 Sudavichene, L., Shakin, L. - Conference on the study of the lexicon of monuments in old White Russian literature from the 15th to the 17th century held in Vilnius. p. 174.  
 Zhirmunskii, V. - Conference on the theory of verse held in Warsaw. p. 177.  
 Kruplanskaya, V., Dmitrieva, S. - M. K. Azadovskii. p. 181.  
 Kruplanskaya, V., Pomerantseva, E. - B. M. and I. M. Sokolov. p. 183.  
 Sholom, F. I. A. - O. I. Bilets'kyi. p. 185.  
 Reformatskii, A. A. - Sergei Ivanovich Ozhegov; an obituary. p. 186.  
 Doshierlov, I. U. D., Tumanian, E. G. - Iosif Karpovich Kusik'ian; an obituary. p. 188.

**AZERBAICHAN [AZERBAIJAN]**. Organ of Soluz pisatelei Azerbaidzhani [Association of Writers of Azerbaijan]. Baku, no. 3, Mar. 1965. [In Azerbaijan]

**BAIKAL**. Organ of Soluz pisatelei i Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A.S.S.R.]. Ulan-Ude, vol. 11, no. 2, Mar.-Apr. 1965.

**DNIPRO [DNIEPER]**. Organ of Tsentral'nyi komitet Leninskoho komunistychnoho sojuza molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol. 39, no. 6, June 1965.

**DON**. Organ of Rostovskoe oblastnoe otdelenie Soluz pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R. S. F. S. R.]. Rostov-on-Don, vol. 9, no. 6, June 1965.

**DROSHA [THE BANNER]**. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, nos. 1(162), 3(164), 5(166), Jan., Mar., May 1965. [In Georgian]

**DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]**. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos. 4-5, 1965.

**IUNOST' [YOUTH]**. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 11, no. 5, May 1965.

**KAROGS [THE BANNER]**. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, nos. 5-6, 1965. [In Latvian]

**KHOTUGU SULUS [STAR OF THE NORTH]**. Yakutsk, no. 3, 1965. [In Yakut]

**LITERATURNAA ARMENIA [LITERARY ARMENIA]**. Organ of Soluz pisatelei Armenii [Association of Writers of Armenia]. Eriuan, vol. 7, no. 4, Apr. 1965.

**MOLODAIA GWARDIA**; literaturno-khudozhestvennyi i obshchestvenno-politicheski zhurnal [YOUNG GUARD, Literary and Sociopolitical Magazine]. Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo komunisticheskogo sojuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 6, June 1965.

**MOSCOW, UNIVERSITET**. Vestnik. Seriya 7: Filologiya, zhurnalistika [UNIVERSITY. Review. Series 7: Philology, Journalism]. Vol. 20, no. 2, Mar.-Apr. 1965.

Table of contents translated:  
 Glagolev, N. A. - The First International and Russian democratic criticism of the second half of the 19th century, on the centennial of the First International. p. 3.  
 Tsybenko, E. Z. - Zeromski and Prus; on the 100th anniversary of the birth of S. Zeromski. p. 9.  
 Gorbunov, A. N. - Novels of Scott Fitzgerald written in the 1930's. p. 21.  
 Shirokova, A. G. - Origin and development of marked iterative verbs in Czech. p. 33.  
 Mitoslavskii, I. G. - Phonetic changes and paradigmatic connections of morphemes; based on materials of the Russian language. p. 46.  
 Smirnit'skaya, O. A. - The analytical word as a particular type of analytical construction. p. 53.  
 Barnaulov, M. K. - Characteristics of the portrait sketch of our times. p. 61.  
 Vdovin, V. A. - When was S. Esenin's first collection of verse published? p. 75.  
 Zasurskii, I. A. N. - The original version of the end of Ernest Hemingway's novel "Farewell to arms". p. 77.  
 Afonov, E. A., Davydov, M. V. - Method of searching for scientific information in the field of suprasegmental phonetics. p. 80.  
 Nikitina, S. E. - Interuniversity Academic Conference on Comparative Indo-European Linguistics. p. 88.  
 Belza, S. - Chernovitsky Conference of Slavists. p. 92.  
 Graduation of the first group of students who specialized in Scandinavian studies. p. 93.  
 E. N. Dragunova, an obituary. p. 94.

**MOSKVA [MOSCOW]**. Organ of Soluz pisatelei RSFSR and Moskovskoe otdelenie Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R. and the Moscow Branch of the Association of Writers of the R. S. F. S. R.]. Moscow, vol. 9, no. 5, 1965.

**NASH SOVREMENNIK [OUR CONTEMPORARY]**. Organ of Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.]. Moscow, no. 5, May 1965.

**NEVA**. Organ of Soluz pisatelei RSFSR and Leningradskoe otdelenie Soluz pisatelei [Association of Writers of the R. S. F. S. R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 6, 1965.

**NISTRUL [DNIESTER RIVER]**. Organ of the Association of Soviet Writers of the Moldavian S.S.R. Kishinev, vol. 34, no. 5, 1965. [In Moldavian]

**NOVYI MIR [THE NEW WORLD]**. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 41, no. 2, Feb. 1965.  
 Table of contents translated:  
 New verse. Maksim Tank. Translated from the White Russian by Iakov Khelmskii. p. 3.  
 Ehrenburg, I. - People, years, life (to be continued). p. 7.

- Bagrova, G.M. - Comparative characteristics of the radiation regime of Bologoye District lakes p.163
- Mikhailov, I.U.D. - Fluctuations of Finland Gulf level and their connection with Pulkovo microseismic waves p.168
- Simonov, I.M., Govorukha, L.S. - Some results of limnological studies in Franz Josef Land p.169
- Kochetov, N.I. - One of the factors in the bottom erosion of a stream channel p.175
- Maksimov, E.V. - Glaciers of the Munku-Sardyk Mts. in Eastern Sayan Mountains p.176
- Bogutskii, A.B. - Landslides on the territory of the western part of the Podolian Upland p.180
- Grin, A.M., Nazarov, G.V. - Characteristics of soil permeability to water in the forest steppe zone of the European U.S.S.R. p.184
- Kharchenko, A.S. - Development of geography in the Ukraine; on the work results of the First Congress of the Geographical Society of the Ukrainian S.S.R. p.189
- Dulov, A.G. - Geographical significance of V.I. Struve's work p.191
- Mel'nikova, N.N. - Eugeniusz Romer, founder of school cartography in Poland; on the 100th anniversary of his death. p.194
- Kvasov, D.D. - Nikolai Nikolaevich Sokolov, on his 70th birthday. p.198
- Malinina, T.I., Raspopov, I.M. - Discussion of basic problems of Soviet limnology p.202
- Zavadovskii, A.I. - Regional academic and practical conference on the problems of medical geography in the city of Lvov p.203
- Katterfeld, G.N. - Problems and methods of sclerology. p.204
- GEOGRAFICHESKOE OBSHCHESTVO SSSR, Komi filial.** Izvestiia. [GEOGRAPHICAL SOCIETY OF THE U.S.S.R., Komi Branch, Bulletin]. Syktyvkar, no.9, 1964.
- Table of contents translated
- Setting the new goals. p.3.
- Vilazeva, V.A. - Main problem of the industrial development of the near North. p.5.
- Semenov, I.M. - The Vorkuta industrial center. p.17.
- Rubtsov, D.M. - Soil and geomorphological regions of the northwestern part of the Komi A.S.S.R. p.23.
- Stenina, T.A. - Microbiological characteristics of some soils of the Komi A.S.S.R. p.36.
- Anufriev, A.F. - Water power potentials of the Pechora, the Mezen', and the Vychegda Basins. p.49.
- Khantimer, I.S. - Water vegetation of the Usa River. p.55.
- Sedykh, K.F. - Nature calendar of the vicinities of the City of Ukhla. p.61.
- Kudrjavtsev, L.A., Vavilov, P.P. - V.N. Latkin and his diary on the trip to the Pechora. p.70.
- Ushkin, N.P. - Flotation transportation of sand particles by the running waters of the Korotalkha and Mezen' River Basins. p.76.
- Archegova, I.B. - Humus composition of the tundra soils in the Vorkuta region. p.78.
- Chebykina, N.V. - Composition of the combined forms of nitrogen in the atmospheric precipitation in the region of the City of Syktyvkar. p.83.
- Bratisev, A.P. - Water balance elements on the territory of the European part of the Soviet Union. p.86.
- Vlasova, T.A., Popova, E.I., Solovkina, L.N. - Lakes of the Pechorskaya Pishma floodplain. p.91.
- Rubtsov, I.A. - New species of blackflies of the genus *Gniera* Doby et David (family Simuliidae). p.97.
- Eurov, G.M. - Peat bogs of river cut-offs as places for archaeological finds. p.99.
- Savel'eva, E.A., Chalyshov, V.I. - Archaeological finds in the Kobra Basin. p.103.
- Kanivets, S.V. - History of ancient metallurgical production in the Northern Urals. p.108.
- Tur'eva, V.V. - Work of the Komi Branch of the All-Union Geographical Society in 1962-1963. p.112.
- GEOGRAFICHESKOE OBSHCHESTVO SSSR, L'vovskii otdel.** Geograficheskii sbornik [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Lvov Branch, Geographical Papers]. Lvov, no.8, 1964. Problems of the regional study of landforms and the geomorphology of the U.S.S.R.
- Table of contents translated
- Gerenchuk, K.I. - Practice in the classification of the geographical landforms of the Ukrainian S.S.R. and the Moldavian S.S.R. p.5.
- Isachenko, A.G. - Methods and the organization of work for the plotting of a relief map of the U.S.S.R. made on a 1:4,000,000 scale. p.14.
- Mil'kov, P.N. - Nature of treeless land in the East European Plain. p.20.
- Klimovich, P.V. - Landforms of the Volyn' Lake region. p.26.
- Chizhov, M.A. - Formation of the landforms of the Moldavian Kodry. p.38.
- Trokhmechuk, S.V. - History of the economic development of landforms in the Strysko-Sanskaya Verkhovina p.45
- Ena, V.G. - Some characteristics of natural territorial complexes in the Crimean Mountains p.49
- Kolnov, M.M. - Natural-geographical landforms in the surroundings of Lvov p.54
- Dorfinan, I.A. - Study of landforms for the purpose of city planning p.64
- TSys, P.N. - Some problems in the morphogenesis of the Ukrainian Carpathians p.73
- Khudakov, G.I. - Structural-morphometric method for the study of recent tectonic movements under conditions governing the West Siberian Plain p.85
- Prokhodskii, S.I., Gol'dfeld, I.A., Chervanov, I.G. - Reflection of local structures in orohydrography p.101.
- Kozhurina, M.S., Dorfman, I.A. - Reflection of tectonic structures in the ravine-gully system of the cis-Carpathian region p.106.
- Kudrin, L.N. - Small folding in the southwestern margin of the Russian Platform p.114
- Gramentskaia, N.A. - Conditions governing the formation of river valleys in Maritime Territory. p.122.
- Demedjuk, N. - Mudflows in the Dniester Valley of Podolia. p.131.
- Nekos, V.E. - Reflection of recent tectonics in the facies and alluvium thicknesses of the Northern Donets Valley. p.133.
- Kratchuk, G.L. - Summer phenophases of the landforms in Lvov Province. p.135.
- LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI. GEOGRAFIJA IR GEOLOGIJA.** Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR Geografika i geologija [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R., GEOGRAPHY AND GEOLOGY]. Vilnius, vol.3, 1964.
- LIETUVOS TSR GEOGRAFINE DRAUGIJA.** Geodezijos skyrius. Darbai [GEOGRAPHICAL SOCIETY OF THE LITHUANIAN S.S.R. Geodetic Section. Transactions]. Vilnius, vol.2, 1964.
- PESHCHERY [CAVES].** Issued by Permskii otdel Geograficheskogo obshchestva SSSR [Perm Branch of the Geographical Society of the U.S.S.R.] and others. Perm, no.4(5), 1964.
- Table of contents translated
- Shcheglov, V.D., Kollasnikov, I.U.A. - Div'ya Cave. p.5.
- Lukin, V.S. - Mechki caves. p.20.
- Gevirsk, M.I. - Caves in the Rezh karst region. p.33.
- Pokol'ev, S.S. - Role of condensate waters in the formation of karst caves. p.35.
- Panos, V. - Formation and development of cave horizons in the Moravia karst province. p.39.
- Bachinskii, G.A., Dublanskii, V.N., Shtengolov, E.S. - Krivche crystalline cave in the gypsum of Podolia. p.49.
- Wojcik, Z. - Speleological regions in Poland. p.57.
- Motash, K., Pushkariu, V., Blakhu, M. - Karst provinces in Rumania. p.65.
- Blakov, I.U.A. - Karst cave in the principality of Monaco. p.69.
- Cholakov, N.T. - Cave pearls in Bulgaria. p.71.
- Dropka, A. - Ice caves of Czechoslovakia. p.85.
- Shimanovskii, L.A., Shimanovskaya, I.A. - Salt stalactites of mines in the Verkhnekamskoye salt deposit. p.95.
- Shestov, I.M. - Chemical composition of sediments in the Verkhneberezovskaya Cave. p.101.
- Lebedev, A.P. - Luminescence of sinter formations. p.107.
- Maksimovich, G.A. - Use of caves for medical treatment (speleotherapy). p.109.
- Mikhailov, G.K., Bel'tukov, G.V. - Works of G.A. Maksimovich on speleology. p.113.
- Shimanovskii, L.A., Bestuzhev, A.A., Okhupkin, V.G. - Activity of Permian speleologists in 1963. p.118.
- PROBLEMY ARKTIKI I ANTARKTIKI [PROBLEMS OF THE ARCTIC AND THE ANTARCTIC].** Issued by Arkhticheskii i antarkhticheskii nauchno-issledovatel'skii institut [Arctic and Antarctic Scientific Research Institute]. Leningrad, no.19, 1965.
- Table of contents translated
- Greshnova, E.V. - Present status and prospects of the export of timber through Igarka by the Northern Sea Route; on the 35th anniversary of Igarka. p.5.
- Voronov, P.S., Spiro, N.E. - Composition of readily soluble salts in loose Quaternary terrigenous deposits of the central and western sectors of East Antarctica. p.10.
- Zaitsev, V.A., Ledokhovich, A.A. - Measuring humidity in low temperatures. p.15.
- Nalimov, I.U.V. - Level regime of the channel of the middle delta of the Indigirka River. p.22.
- Moretskii, V.N. - Sea frazil ice. p.42.
- Baranov, G.I. - Method of isolating the components of heat content of the sea, not vertically limited. p.39.
- Zhigalov, L.N. - Magnetic activity in the eastern sector of Antarctica. p.43.
- Prior, M. - Mortality of a brood of emperor penguins. p.54.
- Kirilov, A.A., Spichkin, V.A. - Calculating of the earliest possible dates of breaking fast ice with icebreakers using the "ladder" method. p.62.
- Smirnov, V.N. - Types of elastic waves in a thin ice layer. p.64.
- Blazglin, N.N. - Study of glaze and time in the Central Arctic. p.66.
- Intukina, A.I. - Cruise of the American icebreaker "Northwind" in the Arctic. p.69.
- REFERATIVNYI ZHURNAL. GEOGRAFIJA [JOURNAL OF ABSTRACTS. GEOGRAPHY].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, Avtorskii ukazatel' za 1964 g. [Author Index for 1964]
- TASHKENT. UNIVERSITET. Nauchnye trudy [UNIVERSITY STUDIES]** No 220, 1964 Geograficheskoe nauki [Geographical Sciences], no.20.
- Contents: Tashkent 220 p
- c. GEOLOGY & PALEONTOLOGY**
- AKADEMIJA NAUK ARMJANSKOI SSR, Eri van.** Izvestiia. Nauki o zemle [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Earth Sciences]. Eri van, vol.18, no.1, 1965.
- Table of contents translated
- Sadjan, A.A. - Lithology of the Danian and Paleocene flysch sediments of the left bank of the Azat River. p.3.
- Palandzhian, S.A. - Geology of the ultrabasic and basic intrusive rocks of the northeastern shore of Lake Sevan. p.21.
- Khalatian, E.S. - Distribution of boron in the rocks and underground waters of the Erivan region. p.31.
- Minasian, R.S. - Using the method of natural electric current to determine underground seepage from Lake Sevan. p.41.
- Tor-Stepanian, G.I. - Present status of the theory of the deep creep of slopes p.47.
- Alvazian, S.M. - Toward the development of geology and mining. p.61.
- Shirintan, K.G. - Second All-Union Volcanological Conference (Petrovavlovsk-Kamchatskiy in September 1964). p.75.
- AKADEMIJA NAUK KAZAKHSKOI SSR, Alma-Ata.** Izvestiia, Seriya geologicheskaja [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin Geological Series]. Alma-Ata, vol.21, no.5, Sep.-Oct. 1964.
- Table of contents translated
- Sldorenko, Z.V. - Effect of the depth factor on the formation of complex metal deposits in the Altai and their distribution in a stratigraphic cross section. p.3.
- Shcherba, G.N. - Some characteristics of studying Atasu-type deposits. p.15.
- Filippov, V.A. - Structural and genetic characteristics of and geochemical criteria for rare metal pegmatites. p.34.
- Leonov, A.V. - Manifestation of recent volcanism in southeastern Kazakhstan. p.45.
- Zyrianov, V.N. - Nepheline syenite in the cis-Chingiztau region. p.57.
- Brodovoi, V.V. - Practice in the application and problems of the further development of seismic prospecting for ores in Kazakhstan. p.68.
- Kovalev, V.F. - Some hydrochemical criteria in prospecting for sulfide deposits in the western margin of the Turgay trough. p.79.
- Aubakirova, R.B., and others. - Antofagastite and ballackite from the oxidation zone of the Dzhezkazgan deposit. p.90.
- Al'mukhanbetov, D., Alipbekov, E., Omarov, M. - Practice in using the borehole variation of radio-wave transmittance. p.98.
- Koplatkevich, L.V. - Nature of wedge-out and rational principles for mapping ore bodies in Dzhezkazgan type deposits. p.101.
- Vol.22, no.2, Mar.-Apr.1965.
- Table of contents translated
- Bok, I.I. - Infiltrated and evaporated concentrations of mineral matter as the climatic genotypes of mineral deposits and their correlation. p.3.
- Kulubekov, B.A. - Structure of the surface of Paleozoic basement in the southern part of the Turgay trough and the northeastern part of the Ural Mountain region. p.17.

- Plivskii, L. - The Slavic Renaissance. p.223.  
 Putilov, B. - Folklore studies in Slavic countries p.226  
 Rur'eva, L. - "Great classical example." p.230  
 Volinskaya, O. - Memoirs are also history. p.231.  
 Chudakova, M. - Fruitfulness of an exact position p.233  
 Nechaeva, V. - Belinskii's family p.234  
 Kozhevnikov, I.U. - The monumental novel of the twentieth century p.236.  
 Shaulin, I.U. - Like Argonauts in olden times, or a feuilleton without jokes p.240.  
 Benediktov, S. - From the cycle "On the strangeness of love" p.242  
 Literary life p.217

VOSTOCHNIY AL'MANAKH [ORIENTAL ALMANAC].  
 Moscow, no.5, 1962

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soluz pisatelei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol.33, no.1, 1965.

ZHULDYZ [STAR]. Issued by Soluz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no.5, May 1965. [In Kazakh]

ZNAMIA [THE BANNER]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol.35, no.4, Apr.1965.

- Table of contents translated.  
 Vadim Kozhevnikov - Shield and sword, a novel (to be continued). p.3.  
 Verse of poets who died at the front during the Great Patriotic War. p.73.  
 Aleksandr Rekomechuk. - Comrade Hans; a tale (to be continued.) p.82.  
 Viktor Konetskii - The door; a story p.130.  
 Dumitru Radu Popescu - The car; a short story. p.145.  
 Sharov, A. - Remarks on genetics p.155  
 Marina Chechmeva - Through the whole sky p.174.  
 Aleksandr Kotov - Chess for fun and in earnest (to be continued). p.183.  
 Sheherbina, V. - V.I. Lenin and the innovational character of the art of socialism. p.194.  
 Iakimovskii, L. - Winged realism, on the sixtieth birthday of M.A. Sholokhov. p.204.  
 Urnov, D. - Portrait of J. Joyce as a writer and "prophet." p.215.  
 Grinberg, I. - Flight of verse. p.235.  
 Bor, Medvedev. - In accord with the "Barbarossa Plan." p.241.  
 Vorob'eva, L. - Confidence in the reader. p.244.  
 Volengurin, N. - When the ships sink. p.245.  
 Boris Slutskii. - A boat sailing far. p.246.  
 Viktor Shishov. - Promising beginning. p.247.  
 Vetrova, E. - Encountering the day as yet not experienced. p.248.  
 In a few lines. p.249.  
 To be published soon. p.255

Vol.35, no.5, May 1965.

- Table of contents translated:  
 Vadim Kozhevnikov. - Shield and sword; a novel (to be continued). p.3.  
 Panchenko, Nikolai. - "To older people, we are children"; verse. p.86.  
 Evgenii Vinokurov. - Five poems. p.87.  
 Rekomechuk, Aleksandr. - Comrade Hans; a tale (conclusion). p.90.  
 Nikolai Triapkin. - From new verse. p.144.  
 Peder Khuzangal. - Poetry is a special kingdom; verse. p.147.  
 Bogdan Czoosko. - Sunflower; a short story. p.150.  
 Lessons of history and our times. p.153.  
 Rzhovskaya, Elena. - Berlin pages. p.154.  
 Lev Bozymenskii. - Bonn, May 1965. p.199.  
 Aleksandr Krivitskii. - Washington, May 19... p.209.  
 Emel'anova, N. - Taking of Poznan .. p.220.  
 Bocharov, A. - Sources of victory. p.233  
 Mitin, G. - Socialist realism and its problems. p.249  
 Kulorga, Z. - Eastons in the village of Takmak. p.252  
 On M.A. Sholokhov's sixtieth birthday. p.254.  
 To be published soon p.255.

## 12. GEOGRAPHY & GEOLOGY

### a. ETHNOLOGY

NARODNA TVORCHIST' TA ETNOGRAFIJA [FOLK ART AND ETHNOGRAPHY]. Issued by Institut nystel'stvo-znavstva, fol'kloru ta etnografii Akademii nauk URSS and Ministerstvo kul'tury Ukrainy kol' SSR [Institute of Fine Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol.9, no.3, May-June 1965.

Table of contents translated:  
 Berezovskiy, I.P. - Collecting and studying the folklore of the Great Patriotic War. p.3.

- Perepolytsia, P.P. - Artist, ethnographer, folklorist p.9.  
 Hordilchuk, M.M. - Themes of P.I. Tchaikovsky's Second Symphony and folk music. p.15.  
 Zolotarevskiy, V.N. - The Ukrainian folk song in P.I. Tchaikovsky's works p.25  
 Tyshyna, P.II - A word about Maksym Ryl's'kyy p.32.  
 Syvachenko, M.IE. - M.T. Ryl's'kyy as scholar. p.36.  
 Tyshchenko, V.I., Lintur, P.V. - Oh, in the green grove p.49.  
 Solomchenko, O.H. - The original art of the Carpathians p.58.  
 Katernoha, M.T. - Jurko Korpaniuk's hut. p.64.  
 Del, O.I. - From Ivan Franko's folklore heritage; recently found texts of songs p.67.  
 Pohrebnyk, F.P., Kolesa-Zaleska, D.I. - Unknown letters to Ivan Kolesa. p.72  
 Vasylenko, K.II. - A rainbow of folk dances p.79  
 Buhalevych, I.V. - Poster collections as an ethnological source. p.83.  
 Putylov, B.M. - The 11th Congress of Yugoslav folklorists. p.101.  
 Huts, M.V. - "Vesnlanka" and "Molodist" in Lenin-grad p.105  
 Klyntsiy's'kyy, V.P. - The first issue of "Sovetskoe slavjanovedenie." p.106.  
 Morozuk, V.K. - Amateur composers are reporting. p.107  
 Kril', O.P. - Anniversary of an outstanding artist p.107.  
 Kobko, V.I. - The talent of folk artists should be developed. p.109  
 Plachynda, V.P. - A dictionary of Hucul carvers p.109.  
 Lysenko, M.V. - An original musical instrument p.110

### b. GEOGRAPHY

AKADEMIJA NAUK GRUZINSKOI SSR, Tiflis, Institut geografi. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Geography. Transactions]. Tiflis, vol.14, 1961. Physicogeographical series: Abkhazia.

- Table of contents translated.  
 Maruashvili, L.I. - Brief geomorphological study of the Kodori River basin. p.3.  
 Astakhov, N.E. - Geomorphology of the southeastern part of Abkhazia. p.19.  
 Changashvili, G.Z. - Brief geomorphological study of the Bzyb' River basin. p.27.  
 Nenandishvili, S.N. - Brief geomorphological study of the southern slope of the Bzyb' Range and the adjacent part of the Black Sea coast. p.43.  
 Kiplani, Sh.IA., Dundua, G.D. - Geomorphological characteristics of the northwestern part of Abkhazia. p.57.  
 Kiplani, Sh.IA., Tintilozov, Z.K. - Geomorphology of the karstic forms of the lime massif of Okhachkuya. p.69.  
 Kiplani, Sh.IA., Tintilozov, Z.K. - Geomorphology of karstic caves in the vicinity of the Tsebel'da village. p.83.  
 Tsereteli, D.V. - Quaternary sediments of Abkhazia. p.107.  
 Kordzakhia, M.O., Dzhavakishvili, Sh.I. - Climate of Abkhazia. p.123.  
 Vladimirov, L.A. - Runoff regularities in the river basins of Abkhazia. p.145.  
 Sokhadze, E.V., Sokhadze, M.E. - Phytogeographical characteristics of Abkhazia. p.159.  
 Ukleba, D.B. - Physicogeographical regionalization of Abkhazia. p.167.

Vol.20, 1964.

- Table of contents translated:  
 Maruashvili, L.I. - Geomorphology of the limestone Massif of Migaria (Odishi). p.3.  
 Tsereteli, D.V. - Relief and the Quaternary sediments of the central part of the Colchis Lowland. p.17.  
 Nenandishvili, S.N. - Terraces of the Rioni Valley above the city of Kutaisi. p.25.  
 Astakhov, N.E. - Transverse uplifts in the western part of the southern slope of the main Caucasus Range. p.39.  
 Changashvili, G.Z. - Landslides and mountain caves in the vicinity of the city of Signaki and measures to control them. p.47.  
 Tintilozov, E.K. - Some speleological features of the limestone Massif of Gumishkha. p.65.  
 Kiplani, Sh.IA. - Geomorphological features of present-day karstic relief of Lechkhumi. p.79.  
 Sokhadze, E.V., Sokhadze, M.E. - Botanical-geographical features of the limestone Massifs of Migaria and Gacha (Megrelia). p.105.  
 Kavrisvili, K.V. - Establishing types of natural landforms on the territory of Abkhazia (the northwestern part of the Georgian S.S.R.). p.119.

- Ukleba, D.B. - Physicogeographical regionalization of Gare Kakheti. p.139.  
 Aslanikashvili, A.F. - Geographical distribution of rural population in the Georgian S.S.R. p.161.  
 Gogishvili, K.S. - Circulation factors in the climate of the eastern Georgia. p.175.  
 Dzhavakishvili, Sh.I. - Air humidity in Georgia. p.195.  
 Apkhazava, I.S. - Hydrography and the regime of lakes in the upper Paravani Basin. p.211.  
 Giginishvili, G.N. - Average perennial drainage and its distribution within the year in the small rivers of Abkhazia. p.227.  
 Shengelia, R.G. - Regime of the Chalaati Glacier and the glacial rivers of Lechkhumi and Chalaati in the summer of 1961. p.235.  
 Chidzhavdze, M.V. - Ablation and drainage on the Chalaati Glacier in the summer of 1961. p.245.  
 Khazaradze, R.D., Lomtadze, G.V. - Morphology and the moraine deposits of the Adishi Glacier. p.253.  
 Inashvili, Sh.V., Lashkhi, T.A. - Observations over the meteorological elements and ablation on the Adishi Glacier in the summer of 1961. p.265.  
 Kurdgeladze, G.M. - Glaciological observations on the Adishi Glacier. p.281.

GEOGRAFICHESKOE OBSHCHESTVO GRUZINSKOI SSR. Trudy [GEOGRAPHIC SOCIETY OF THE GEORGIAN S.S.R. Transactions]. Tiflis, vol.7, 1963.

- Table of contents translated:  
 Dzhavakishvili, A.N. - Geological and geographical morphologies and their respective places. p.3.  
 Dzhavakishvili, A.N. - Geomorphological surveying, compilation of geomorphological characteristics and maps of a mountain relief. p.9.  
 Kiplani, Sh.IA. - Geomorphological characteristics of the karstic landform of the Kelasuri-Kodori interfluvium. p.17.  
 Davdariani, G.S. - Some concepts on the origin of the Kolchida Lowland. p.47.  
 Kiplani, Sh.IA. - Geomorphological characteristics of the present-day karstic landform of the Kelasuri-Kodori interfluvium. p.57.  
 Dzhibladze, I.E. - Morphological characteristics of the Dzirula River terraces. p.85.  
 Begishvili, K.P. - Qualitative definition and some quantitative features of mud and stone flows. p.91.  
 Khmaladze, G.H. - Evaporation from the land surface on the territory of Georgia. p.99  
 Kikilashvili, T.Z., Apkhazava, I.S. - Hydrology of the Khanistskali Basin. p.119  
 Vladimirov, L.A. - Hydrology and the regime of the rivers and springs of the Shorli Lowland. p.141.  
 Khmaladze, O.G. - Temperature cycle of Georgian rivers. p.151.  
 Vladimirov, L.A. - Karst waters of Mingrelia. p.159.  
 Sikharulidze, T.A. - Characteristics of the landform zones of Abkhazia. p.171  
 Zardalishvili, G.I. - Principles of economic zoning p.181.  
 Dzhavakishvili, A.N. - Vertical spread and the distribution of settlements and the population in the Georgian part of the high mountain region of the Caucasus. p.193.  
 Kobakhidze, E.D. - Establishing regularities concerning the distribution and dynamics of the population in the eastern part of the high mountain region of the Caucasus. p.231.  
 Kverelashvili, P.I. - Transportation geography of South Ossetia. p.239.  
 Kverelashvili, R.I. - Zakhari Gulsashvili's information on the geography of eastern Georgia. p.247.

GEOGRAFICHESKOE OBSHCHESTVO SSSR, Izvestia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin]. Moscow, vol.97, no.2, Mar.-Apr.1965.

- Table of contents translated:  
 Konstantinov, G.A. - On the 30th anniversary of the Department of Economic Geography. p.105.  
 Kantor, E. - Characteristics of the distribution of the extractive industry; based on the example of petroleum production. p.112.  
 Knobel'sdori, E.V. - Synthetic types of Soviet cities. p.119.  
 Orlov, V.I. - Dynamics of nature; from practice in studying the nature of the forest bog zone of the West Siberian Plain. p.128.  
 Zhakov, S.I. - Dependence of the amount of precipitation on its origin and atmospheric circulation. p.138.  
 Golovina, V.V. - Temperature cycle of the Pamir's rivers. p.144.  
 Voronov, P.S. - Analysis of maximum heights and areas of the tectonic regions of continents. p.151.  
 Borisov, A.A. - Quantitative indices of paleoclimates on the U.S.S.R. territory in various geological periods. p.155.  
 Kuzin, P.S. - The law of geographical zoning and its significance for hydrology. p.159.

- Vlady, O.S., Gulev, B.T. - Detailed subdivision of Palaeozoic group. p. 93.
- Petrovskiy, M.A. - Spore pollen complex of Permian and Turonian sediments in the mountainous Badkhyz (Turkmenia). p. 115.
- Klavin, I.G. - Hydrodynamic accumulation of the water pressure system as revealed by a study in eastern and central Caucasus. p. 121.
- Vartanian, G.S. - Using the method of the mass sampling of deep hydrothermal holes for deciphering the structure of mineral water deposits. p. 116.

REFERATIVNYI ZHURNAL GEOLOGII [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauki i informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 5, May 1965. Avtorit'ni obzory za 1964 g. [Author Index for 1964].

SIBIRSKIY NAUCHNO-ISSLEDOVATELSKIY INSTITUT GEOLOGII, GEOFIZIKI I MINERALNOGO SYR'YA. Trudy [SIBIRIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES. Transactions]. Leningrad, no. 66, 1964.

Table of contents translated:

- Bolikhin, V.P., Sebelev, H.D., Turchenko, G.P. - Volcanic complexes of the Kazbek Alatau. p. 5.
- Zubov, B.P., Sheldor, F.A. - Cambrian volcanic sedimentary formations in the southwestern part of the Eastern Sayan Mountains and their metallogeny. p. 17.
- Kononov, A.N. - Petrology and metallogeny of volcanic rocks in some regions of the Gornyy Altai. p. 29.
- Smilgatsyn, A.O. - Some geochemical characterization of Middle Devonian acid effusives in the Gornyy Altai. p. 42.
- Adamenko, O.M. - Syngenetic iron ore manifestation in the Salair Range and Altai Mountains. p. 46.
- Gel'man, A.K. - Exhaustive sedimentary nature of iron ores in the Mayan deposit of the Salair Range. p. 50.
- Kalugin, A.B., Ivancev, V.I. - Relation with diagenesis and the metamorphism of some volcanic sedimentary iron ore deposits in the Devonian sediments of the Altai. p. 62.
- Ponomarev, V.G. - Volcanic sedimentary iron ores in the ore zone of the Ziyansovsk complex metal deposit of the Rudnyy Altai. p. 72.
- Davidiuk, I.V. - Genesis of iron-ore deposits in Western Siberia: volcanic sedimentary genesis of some deposits in the Kazakhs group. p. 82.
- Bolus, N.Kh., Novozhilov, V.I. - Petrogenesis of exhalative sedimentary iron and pyrite ores in the Mayan deposit. p. 101.
- Kudrjatsky, V.I., Kukulzev, I.R. - Syngenetic copper-potash of Ordovician and Silurian sediments in the southern spur of the Western Sayan Mountains (western Tuva). p. 113.
- Navar'eva, H.A. - Spatial and genetic relation of complex metal mineralization in the Kolyvan-Tomsk zone to Devonian volcanism. p. 116.
- Agonov, V.B., Kudrjatsky, G.A. - Genetic relation of the pyrite-complex metal mineralization of eastern Tuva to the Lower Cambrian amphibolite-keratophyre formation. p. 124.
- Vorontsov, N.I., Vorontsova, M.R. - Effusive sedimentary nature of the Nikolayevsk pyrite deposit in the Rudnyy Altai. p. 134.
- Zubova, S.I., Rezapova, N.M. - Source of the boron of authigenous tourmaline in the volcanic sedimentary iron ores of the Altai. p. 135.
- Ponomarev, V.G. - Authigenous tourmaline in Middle Devonian iron effusive sedimentary ores in the southern part of the eastern Altai. p. 156.
- Kalugin, T.S., March, V.A. - Manganese mineralization in the iron-bearing horizon of Devonian volcanic sediments in the western part of the Altai. p. 163.
- Onosavskaya, A.A. - Nonferrous metals (copper, lead, zinc) in the volcanic sedimentary complexes of the Altai-Sayan fold area. p. 177.
- Chernenko, H.A. - Boron mineralization in one of the regions in Siberia. p. 182.
- Krivosoy, A.V. - Geology of the Kongoray explosive pipe in the North Minusinsk Lowland. p. 190.
- Krymskiy, V.M. - Sedimentary, diagenetic, and pseudo-hydrothermal siderites of the Minusinsk coal basin. p. 203.
- Zhabin, V.V. - Nature of banding in the limestone of the Lower Cambrian effusive-sedimentary formations in the Simkha ore field. p. 210.
- Khodak, H.A. - Structural and genetic characteristics of the iron-manganese mineralization of the Kurzhat type (central Kazakhstan). p. 216.

SOVIETSKAYA GEOLOGIYA [SOVIET GEOLOGY]. Vol. 10 of Geologicheskyye otkrytiya i otkrytiya. [Geological Discoveries and Discoveries]. [State Geological Committee of the U.S.S.R.], Moscow, vol. 10, no. 1, 1965.

Table of contents translated:

- Shor, S.D. - Correlation of the volcanic fields and places of gold potential in various provinces of the world. p. 3.
- Dyal, M.I., Sebelev, H.D. - Progress in the deep understanding of oil and gas fields in the U.S.S.R. p. 10.
- Guthrie, R.P. - Nature of the tectonic control on oil and gas pools. p. 15.
- Kanay, O.D. - Structural characteristics of the western pseudomorph in the Mayan deposit: a regularity of the distribution of copper and gold. p. 15.
- Mikhaylov, N.P., Kononov, H.P. - Characteristic of the diagenetic complex in the volcanic rocks in the petrology of the Altai. p. 16.
- Solovskiy, A.I. - History of the development of the mineral and tectonic of the Altai mountains. p. 16.
- Apchikov, S.P., Bondarenko, V.L. - Petrology of the volcanic rocks of the Altai. p. 17.
- Bondarenko, V.L., Apchikov, S.P. - Petrology and Paleogeography of the volcanic rocks of the Altai. p. 18.
- Lebedev, A.A. - Petrographic complex of the volcanic rocks of the U.S.S.R. p. 19.
- Kleiner, H.M., Kononov, H.P. - Petrology of the volcanic rocks of the Altai. p. 19.
- Methods for detailed structural analysis of the volcanic rocks. p. 19.
- Orlovskiy, M.B., Bondarenko, V.L. - Petrology of the volcanic rocks in the Altai. p. 19.
- Solovskiy, A.I., Kononov, H.P. - Petrology of the volcanic rocks in the Altai. p. 19.
- Chudakov, V.M. - The Altai volcanic field. p. 19.
- Kononov, H.P., and others. - Characteristic of the volcanic rocks in the Altai. p. 19.
- Zhabin, V.V., Stepakov, H.V. - Petrology of the volcanic rocks in the Altai. p. 19.
- Bondarenko, V.L., Vorontsov, N.I. - Petrology of the volcanic rocks in the Altai. p. 19.
- Shor, S.D. - Petrology of the volcanic rocks in the Altai. p. 19.
- Bondarenko, V.L. - Petrology of the volcanic rocks in the Altai. p. 19.
- Gel'man, A.K. - Petrology of the volcanic rocks in the Altai. p. 19.
- Tikhomirov, V.V. - Petrology of the volcanic rocks in the Altai. p. 19.
- Mikhaylov, N.P., Kononov, H.P. - Petrology of the volcanic rocks in the Altai. p. 19.
- Zhabin, V.V., Stepakov, H.V. - Petrology of the volcanic rocks in the Altai. p. 19.
- Zhabin, V.V., Stepakov, H.V. - Petrology of the volcanic rocks in the Altai. p. 19.

TASHIRIY, UNIVERSITETI, Tashkent, no. 15, 1964. Table of contents translated:

Table of contents translated:

- Dikmish, A.B., Bondarenko, V.L. - Petrology of the volcanic rocks in the Altai. p. 19.
- Vorontsov, N.I. - Petrology of the volcanic rocks in the Altai. p. 19.
- Lebedev, A.A. - Petrology of the volcanic rocks in the Altai. p. 19.
- Kononov, H.P. - Petrology of the volcanic rocks in the Altai. p. 19.
- Zhabin, V.V. - Petrology of the volcanic rocks in the Altai. p. 19.
- Bondarenko, V.L. - Petrology of the volcanic rocks in the Altai. p. 19.
- Gel'man, A.K. - Petrology of the volcanic rocks in the Altai. p. 19.
- Tikhomirov, V.V. - Petrology of the volcanic rocks in the Altai. p. 19.
- Mikhaylov, N.P., Kononov, H.P. - Petrology of the volcanic rocks in the Altai. p. 19.
- Zhabin, V.V., Stepakov, H.V. - Petrology of the volcanic rocks in the Altai. p. 19.
- Zhabin, V.V., Stepakov, H.V. - Petrology of the volcanic rocks in the Altai. p. 19.

- Egamberdiyev, M. - Some characteristics of the structure of Cretaceous limestones in the southwestern spurs of the Gissar Range. p.61
- Atkhamov, A.A. - Brief characteristics of known and possible oil- and gas-bearing complexes in the Sukhaya Depression. p.70
- Akhmatov, P.G., Mel'nikovskii, I.M. - Physical properties of Paleozoic rocks in the southern zone of the Tien Shan. p.78

Vol. 8, no. 5, 1984

- Table of contents translated.
- Development of geological research in Uzbekistan in the years of Soviet rule. p.5
- Rubanov, I.V. - Some geochemical characteristics of salt accumulation in the Lyavynkan group of lakes in the Kyzylkum. p.7
- Surgutanova, D.M. - Rock types of the Frasnian stage in the northern part of the Chatkal subzone and their petrographic characteristics. p.15
- Gidlov, N.I. - Photometric method for studying the stratigraphy of Cenozoic molasse in the Fergana Depression. p.24
- Abiamov, E.L. - Petrographic characteristics of Middle and Upper Devonian clastic rocks in the northern Karamazar Mountains. p.29
- Dmitriev, V.L. - Some methodological instructions for bringing about and processing the results of experimental pump-out from a well revealing a dist-strata medium. p.37
- Tat'-Yrskii, B.B., Kotliarskii, L.N., Kiemnev, I.G. - New data on the structure of the basement in the Fergana Intermontane depression. p.46
- Poddubnyi, N.P. - Effect of sulfates containing vadose waters on ore deposition. p.53
- Dedy, V.IU. - Morphological characteristics of the oxidation zone in the Kalmakky copper-porphry deposit. p.61
- Badalova, R.P., Badatov, S.T. - Genetic significance of the gold standard in endogenous deposits. p.67
- Khodzhaev, A.R., Azimov, P.K. - New developments in the geology of the Namangan group of structures. p.72
- Petrov, N.P., Shukirov, A.Sh. - Origin of "munic." p.74
- Mavitanov, A.V. - Methods for compiling an oil-yield map. p.76
- Sadykova, Sh. - Petrographic and mineralogical division of Cretaceous sediments in Shakhmatkita. p.77
- Iul'fashov, Zh. - Cross section types of Mesozoic sediments in northern Ustyurt. p.78
- Aizenshtat, V.I. - Accelerated method for the quantitative and mineralogical recalculation of sections in the integration stage. p.80
- Islamov, O.I., Petrov, N.P., Aleksei Nikonovich Chelchakov: 75th anniversary of his birth and the 10th anniversary of his death. p.84

Vol. 9, no. 1, 1985

- Table of contents translated:
- Dzhamaletdinov, N.K. - Characteristics of the distribution of pegmatite zones in the southern part of the Karatube and Zirabulak-Zlaetdinskii Mountains. p.5
- Khamraev, I.Kh., and others. - Gold potential of the southern part of the Temdytau. p.15
- Urunkaev, K. - Distribution of accessory minerals in granites in the central part of the Chatkal-Kurama Mountains. p.20
- Dedy, V.IU. - Subzone of the leaching oxidation zone in copper-molybdenum deposits. p.29
- Babakhodzhaev, S.M., Bazil', V.F. - Some characteristics of the distribution of mineralization in the volcanic formations of the Karamazar Mountains. p.35
- Kudrjavtsev, A.S. - Distribution of impurity elements in the process of hypogenic mineralization in the Chukur-Dzhilga complex metal deposit. p.41
- Dzhanluginov, N.I. - Conditions governing the distribution and genesis of mineralization in the Saukbulak zone. p.49
- Azizkhanov, Kh.N. - Tectonic prerequisites for the formation of oil and gas fields in the Gazil uplift. p.56
- Khatambekov, A.IU. - Some results of the study of the formation of the local structures of the Mubarek group of fields. p.64
- Khodzhaev, N.N., Snlimova, G.N. - Factors forming the hydrochemical regime of the underground waters in the lower Amu Darya Valley. p.73
- Kadyrov, E.M. - Zoning of loess in the Akhangaran Valley. p.79
- Aylov, F.T. - Analysis of the test exploitation of layers 5 and 6 in the western Palvanish oil field. p.84
- Dalimov, T. - Petrographic characteristics and the relationship of Chilensk and Babaytag quartz syenite-porphyrates (southwestern spurs of the Chatkal Range). p.80

VOPROSY MIKROPALAEONTOLOGII [PROBLEMS OF MICROPALAEONTOLOGY]. Issued by Geologicheskii Institut Otdel'naia nauka o Zemle Akademii nauk SSSR [Geological Institute of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R.], Moscow, no. 8, 1984. Morphology, taxonomy, and present status of studies on foraminifera and ostracods.

- Table of contents translated:
- Voloshinova, N.A. - Degree of knowledge and ways for the further study of Tertiary Lituolidae. p.3
- Sorova, M.IA. - Significance of some morphological characteristics of the genus Cyclammina for taxonomy as revealed by a study of Cyclammina cancellata Brady. p.13
- Reitlinger, E.A. - Present status of the studies of the order Endothyrida. p.30
- Kireeva, G.D. - Taxonomic analysis of the structure of the wall of some fusulinids on the boundary of the Middle and Late Carboniferous. p.53
- Shekerbovich, S.F. - Genus Orientoschwagerina A.M. - Macley, 1955. p.57
- Anosova, A.N., and others. - Revision of the taxonomy of the genus Schwagerina and genera close to it. p.60
- Basov, V.A. - Taxonomy and principles of distinguishing Marginulina and Marginulinopsis. p.78
- Kuznetsova, K.I. - Evolution of some species of Marginulina and methods for studying them. p.84
- Shehedrina, Z.G. - Some changes in the system of the order Rotulida (Foraminifera). p.91
- Maslakova, N.I. - Taxonomy and phylogeny of Globotruncanidae. p.102
- Shutskaya, E.K. - Species criteria of the Lower Paleogene representatives of the genus Globigerrina. p.118
- Voloshinova, N.A., Kuznetsova, V.N. - New data on the morphology and evolutionary development of some representatives of the family Elphidiidae. p.138
- Golev, B.T. - Taxonomic significance of some morphologic characteristics of the representatives of the subfamily Nummulitinae. p.154
- Iariseva, M.IA. - Some species criteria of Nummulitinae. p.168
- Baschkurov, L.V. - Shell structure and the ontogenetic development of Paleogene orbitoids. p.175
- Krahennikov, V.S. - Significance of the foraminifera of the open tropic basins of the Danian and Paleogene period for the development of the International stratigraphic scale. p.180
- Abushikh, A.F. - Taxonomy of the order Leperditida. p.214
- Mandel'shtam, M.I., Andreev, Iu.N. - Present status of studies and ways for further investigations of the ostracod fossils of the suborder Pudoecopina. p.223

VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Annals]. Moscow, vol. 94, no. 2, 1985.

- Table of contents translated:
- Eyzikova, N.Z. - Principles of the structural and geometric analysis of crystal faces. p.129
- Dolivo-Dobrovolskii, V.V. - Refraction corrections in finding the axes of indicatrix on the Fedorov universal stage. Part 2. p.143
- Bogolev, V.G. - Two stages of metasomatic mineral formation. p.149
- Rashin, G.A. - Nonequivalence of bivalent magnesium and iron in the formation of olivines from silicate melts. p.164
- Perisev, N.N., Ostrovskaya, I.V., Nikitina, I.B. - New mineral "borcarite." p.180
- Bonabedi-Kupletskaya, E.M. - New minerals. Part 10. p.187
- Esikhin, V.IU. - Native gold in a crystal-bearing quartz vein of the subarctic Ural Mountain region. p.203
- Bussen, I.V., and others. - Mineralogy of manganese. p.204
- Iakimova, L.K., Sidorenko, G.A. - Supergenic synthesis of cobalt-bearing calcium carbonate. p.208
- Lugovskoi, G.P. - Scorzalite from pegmatites in Siberia. p.212
- Tolok, A.A., Bazhenova, F.V. - Loparite, a new accessory mineral of nepheline syenites in the Sikhote-Alin' Range. p.217
- Korzhinskii, A.F. - Capillary aggregates of a mineral of the montmorillonite group. p.219
- Malkova, K.M., Likhmanova, Zh. - Some characteristics of the formation of gypsum crystals. p.224
- Sarkislan, S.Sh., Shubladze, R.L. - Olivine from dolerites in southern Georgia. p.230
- Voroshilov, Iu.V., Kiriluk, V.P. - Role of accessory minerals in finding the genesis of granite gneisses in the upper reaches of the Amur Valley (upper Amur Valley). p.232
- Volontskii, G.T. - Albitization of feldspars in the argillization of rocks. p.238

## 13. SCIENCE

### a GENERAL

AKADEMIA NAUK ARMIAANSKOI SSR, Eriivan. Doklady [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports]. Eriivan, vol. 40, no. 2, 1985.

- Table of contents translated:
- Tovmashan, N.E. - A boundary value problem for an elliptic system of differential equations of the second order on a plane. p.65
- Akopian, S.A. - Parametric representations of certain classes of functions holomorphic in angular regions. p.71
- Saakian, V.S. - Torsion of nonorthotropic sectional prismatic rods. p.81
- Gazarian, E.D., Meigelan, O.S. - Two-dimensional problem of radiation in a wave guide filled with gyrotropic ferrite. p.89
- Ian Shi [Yang Shih] - Temperature dependence of the magnetization of a ferromagnet in a model of collective electrons. p.93
- Baisman, S.T., Tolapchian, L.S., Pikafova, V.N. - Dielectric properties of some polydivinyl acetals. p.101
- Avakian, S.A., Agabekian, R.S., Mushagian, A.V. - Preparation of chelate complexes of manganese and cobalt chlorides. p.107
- Baisagian, G.V. - Effect of ethanolamine on some properties of myosin and actomyosin. p.109
- Tei-Karapetian, M.A., Makarova, E.N. - Cultural characteristics of the effect of biotin and nitrogen source on the accumulation of gamma-aminobutyric acid in yeast. p.117
- Chilingarian, A.M. - New methods of studying intramural nerve cells of the intestines and the principle of lead precipitate formation in cellular structures. p.123

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports]. Baku, vol. 21, no. 1, 1985.

- Table of contents translated:
- Ramm, A.G. - Analytic continuation of the resolvent nucleus of a Schrödinger operator on the spectral parameter and the principle of the limiting amplitude in infinite domains. p.3
- Guseinov, G.D., Akhundov, G.A. - Anisotropy of the electric properties of p-TiSe single crystals. p.8
- Iskender-Zade, Z.A., and others. - Study of the transient characteristics of the restoration of reverse resistance in Si p-n junctions. p.14
- Shikhiev, I.A., Iusufov, B.G. - Synthesis and transformations of oxygen-containing organic and organosilicon unsaturated compounds. p.19
- Gasnov, T.A., Abdulkasimzade, M.R. - Age of the volcanic sedimentary formation on the northern margin in the Nuzgov Plateau. p.24
- Abbasov, A.A., Kasiyov, Sh.A. - Effect of the lithological composition of oil-reservoir rocks on the oil recovery when flooding oil with a hot agent. p.28
- Makhmudov, A.I. - Some new minerals from the Southern Dashkasan deposit. p.31
- Abdullayev, I.K., Dzhalilov, N.A. - Hybridization of high polyploid 300-chromosome mulberry species with diploid 28-chromosome species. p.36
- Bekhudov, A.A. - Effect of fodder leguminous plants on the accumulation of humus and nitrogen in soils of the Nakhchevan A.S.S.R. p.41
- Novruzova, Z.A. - Effect of ecologic conditions on the heartwood rays in trees and shrubs. p.45
- Mamedov, G.M., Platonova, T.F., Kuzovkov, A.D. - Production of methylacrylonitrile from the Ararat larkspur, growing in the Nakhchevan A.S.S.R. p.49
- Akhmedova, S.M. - Nitrogen and carbohydrate metabolism under various conditions of water supply in the leaves of different wheat varieties. p.51
- Bunintov, Z.M. - New materials on the earthquake in Gyandzha in 1139. p.55
- Izmailova, A.A. - Dwellings of Lenkoran' Lowland. p.59
- Safarov, A.K. - New manuscript of Mesikh's poem "Varika and Gul'sha." p.64
- Kuliev, A.A. - New source on Russian-Azerbaijani relations. p.69
- Rzaev, N.I. - Jewelry of Caucasian Albania. p.74

Vol. 21, no. 2, 1985

- Table of contents translated:
- Atley, R.G., Efendiev, A.R. - Applying Setdov's method to a certain boundary value problem. p.3
- Dzhalilov, A.S. - Imbedding theorems for classes of functions with differential properties in the norms of special spaces. p.10



- Mishnev, D. E., Guseinov, M. M., Petrosian, P. A. - Alkenylation of benzene with butadiene. p. 15.
- Pishnamazzade, B. F., and others. - Synthesis and properties of  $\gamma$ -hydroxymethylchlorocyclohexanecarboxylic acid esters. p. 18.
- Sultanov, R., Mamedova, B. A., Sadykh-Zade, S. I. - Addition of triorganosilanes to vinyl ethynyl- $\alpha$ -lurylcarbinol. p. 23.
- Efendiev, G. Kh., Mamedov, Z. M., Agaeva, F. - Geochemistry of selenium and tellurium in copper-molybdenum deposits. p. 28.
- Iakubov, A. A., Dadashov, F. G., Magerramova, F. S. - Eruption of the Ayranchik mud volcano. p. 33.
- Leon'tev, O. K., and others. - Some characteristics of the present-day dynamics of the coasts of Sulak Bay. p. 39.
- Mekhtiev, Sh. F., and others. - Determination of the temperatures of beds. p. 44.
- Klazinov, S. A. - Some cultivation practices as anti-erosion measures on sloping lands of the Kuban-Kusary zone of the Azerbaijan S.S.R. p. 48.
- Gadzhev, A. T. - Gamasid mites of the Caucasian hamster *Cricetus (Mesocricetus) auratus* Waterhouse (1939). p. 52.
- Mekhtiev, M. A., Gauzer, E. G., Askerov, F. B. - Functional state of the thyroid gland in sheep tested by the accumulation of radiiodine ( $^{131}$ ). p. 55.
- Mamedov, A. M. - Clinical significance of the measurement of the sense of skin pain in patients with residual phenomena of thrombosis of the brain vessels. p. 59.
- Muganlinskaya, D. I. - Carotene content in hay harvested under different soil and climate conditions of Azerbaijan. p. 63.
- Rasul-zade, G. M. - Study of the nature of the disturbance of fertilization in self-pollinated diploid cucumbers of the "Telegraf" variety. p. 67.
- Efendiev, A. M. - State of fibrinolytic activity of the blood in labor and postpartum period. p. 71.
- Raginov, Abul'faz. - The real author of a letter. p. 76.
- \*AKADEMIYA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vol. 161, no. 4, Apr. 1965.**
- Table of contents translated:
- MATHEMATICS**
- Akulichev, N. M. - Estimates of rational trigonometric sums of a special type. p. 743.
- Brudnyi, I. U. A. - Local best approximation of functions by polynomials. p. 746.
- Glazman, I. M. - Relaxation on surfaces having saddle-points. p. 750.
- Dybin, V. B. - Exceptional case of convolution type integral equations in a class of generalized functions. p. 753.
- Il'in, A. M. - Eigenfunctions of an elliptic operator in certain infinite domains. p. 757.
- Kuznetsov, N. V. - Asymptotic formulae for the eigenvalues of an elliptic membrane. p. 760.
- Lidskii, V. B., Frolov, P. A. - Topological structure of the domains of stability of a self-adjoint system of differential equations with periodic coefficients. p. 764.
- Naimark, M. A. - Commutative algebras of operators in a Hilbert space. p. 767.
- Nelepin, R. A. - Study of high-order nonlinear automatic systems by accurate analytic methods. p. 771.
- Rymarenko, B. A. - Real integral functions belonging to the class  $W(p)$ . p. 774.
- Slavskii, M. Sh. - Harnack's theorem in certain non-normalized fields. p. 776.
- Fomenko, V. T. - Infinitesimal flexures of surfaces in the case of sleeve connections. p. 780.
- Frolov, I. U. N. - Solution of an equation of infinite order in the uniqueness class. p. 783.
- Shadrov, A. F. - Estimates of Harnack functions of several complex variables. p. 785.
- CYBERNETICS AND REGULATION THEORY**
- Petrov, B. N., Rutkovskii, V. I. U. - Double invariance of automatic control systems. p. 789.
- AERODYNAMICS**
- Chernyi, G. G. - A plane wing in a hypersonic flow. p. 791.
- HYDROMECHANICS**
- Khazen, E. M. - Nonlinear theory of the appearance of turbulence in flows with a mean velocity gradient. p. 795.
- PHYSICS**
- Basov, N. G., Belenov, E. M., Lelokhov, V. S. - Finite cross section of the radiation beam from a laser. p. 799.
- Galeev, A. A. - Statistical theory of particle acceleration by magnetohydrodynamic waves in a weakly turbulent rarefied plasma. p. 802.
- Kostin, V. V., and others. - A laser operating on  $\text{CaF}_2:\text{Dy}^{2+}$ . p. 806.
- Matveenko, L. I., and others. - Use of a quantum paramagnetic traveling-wave amplifier for radio astronomical research at the wavelength of 8 cm. p. 810.
- Molchanov, V. A., Mashkova, E. S., Soskha, V. - Effect of the crystalline structure of the target on the energy spectra of scattered ions. p. 813.
- Morozov, V. P., Morozova, N. K. - Reduction to a cellular-diagonal form of the matrices of operators commutable with a group of symmetry operators. p. 817.
- TECHNICAL PHYSICS**
- Podessnala, A. D., and others. - Dislocation structure of the surface layer of alkali halide single crystals. p. 821.
- Ratner, S. B., Korobov, V. I. - Self-heating of polymers following repeated deformation. p. 824.
- GEOPHYSICS**
- Ozmidov, R. V. - Some characteristics of the energy spectrum of oceanic turbulence. p. 828.
- CHEMISTRY**
- Andrianov, K. A., Makarova, L. I. - Synthesis of polyatomic organosilicon ether alcohols. p. 833.
- Babitskii, B. D., and others. - Stereospecific polymerization of butadiene in the presence of catalytic systems based on  $\pi$ -cyclopentadienyl complexes of nickel. p. 836.
- Grigor'ev, A. I., and others. - Study of neutral imino diacetates of certain metals by infrared spectroscopy. p. 839.
- Kornilov, I. I., and others. - Phase structure of alloys of the binary system Ti - Al containing from 0 to 30% of Al. p. 843.
- Kursanov, D. N., and others. - Isotopic exchange of hydrogen atoms in cyclopentadienyl rings of cobalt-cinnolene compounds. p. 847.
- PHYSICAL CHEMISTRY**
- Balandin, A. A., and others. - Catalytic properties of zirconium phosphate. p. 851.
- Bräuer, P., and others. - Energy of interaction between simple molecules and faujasite-type zeolites. p. 853.
- Vlasov, A. V., and others. - Oriented polyvinylidene chloride produced by radiation polymerization from the gaseous phase on oriented polymeric supporting structures. p. 857.
- Gol'denfeld, I. V., Nazarenko, V. A. - Mass spectra of water ionized by a strong electric field. p. 861.
- Zubov, P. I., Goltikova, V. S., Sukhareva, L. A. - Durability of polymeric coatings as dependent on the conditions of their formation and aging. p. 864.
- Kargin, V. A., and others. - Thermodynamic characteristics of the deformation of chlorinated gutta-percha in a highly elastic state. p. 867.
- Kozlov, I. U. I., Shigorin, D. N. - Two-quantum photochemical processes in frozen solutions of triphenylmethane compounds. p. 871.
- Lazarev, V. B., Malov, I. U. I. - Experimental study of the extrinsic photoeffect from the surface of diluted potassium amalgams in the liquid and solid states. p. 875.
- Medzhidov, A. A., Buchachenko, A. L., Neiman, M. B. - Possibility of acid-basic catalysis of radical reactions. p. 878.
- Trofimova, G. M., and others. - Radiation-induced polymerization of hexamethylcyclotrisiloxane in the solid phase. p. 882.
- Shvachko, V. I., and others. - Corrosion processes on the surface of steel studied by the method of secondary ionic emission. p. 886.
- Shatenshtein, A. L., Petrov, E. S., Belousova, M. I. - Equilibria in the course of reactions of sodium and lithium with diphenyl and naphthalene in electron-donor solvents. p. 889.
- CHEMICAL TECHNOLOGY**
- Portnagin, V. D., Mikhailov, N. V. - Effect of vibration on the rheological properties of bitumens. p. 893.
- Pozdnakov, A. A., Riabchikov, D. I. - Adsorption of technetium from aqueous solutions on anion exchangers produced in the Soviet Union. p. 896.
- GEOLOGY**
- Vasil'ev, V. A. - Cenozoic continental sediments of the Pamirs. p. 899.
- Matvievskaya, N. D., Zhuravlev, V. S. - Pechora-Kozha swell. p. 903.
- Nalivkina, E. B. - Stratigraphy of metamorphic formations in the Kan block of the Yenisey Range. p. 907.
- Sobetskii, V. A., Lanytskaia, G. A. - New data on the stratigraphy of Upper Cretaceous sediments in southeastern Moldavia. p. 911.
- Sokratov, B. G. - Hidden faults as revealed by a study in the platform mantle of central Caucasasia. p. 915.
- Shlerenberg, L. E. - Relation between manganese ore formation and tectonic development in the Bol'shoy Tokmak deposit region. p. 919.
- MINERALOGY**
- Kapustin, I. U. L. - First find of norsetite in the U.S.S.R. p. 922.
- Bazarova, T. I. U. - Mineral-thermometric studies of inclusions in the minerals of certain nepheline rocks. p. 925.
- Mogorovskii, V. V., Tarnovskii, G. N., Vasil'ev, E. K. - Hypogene hydrozincite. p. 929.
- Perchuk, L. L. - Paragenesis of nepheline with alkali feldspar as a possible index of the thermodynamic conditions of mineral equilibrium. p. 932.
- PETROGRAPHY**
- Andreev, G. V. - Magnesite skarns at the contact between dolomites and nepheline syenites. p. 936.
- Stollarov, I. U. M. - Anhydrite and gypsum in the pyritic deposits of the Urals. p. 940.
- LITHOLOGY**
- Sochava, A. V. - Cyclicity of sedimentation in the Fergana Depression in the Cretaceous. p. 944.
- GEOCHEMISTRY**
- Pikovskii, I. U. I., Bashkurov, A. N., Novak, F. I. - Catalytic activity of some sedimentary rocks in the synthesis of hydrocarbons from carbon monoxide and hydrogen. p. 947.
- CYTOLOGY**
- Gerasova, V. A., Monakhova, M. A. - Electron microscopic study of the transfer of nuclear products into the cytoplasm in spermatocytes of the grain mite. p. 949.
- HISTOLOGY**
- Arifov, B. M. - Early stages of myocardium changes in an experimental orthostatic collapse. p. 952.
- BIOPHYSICS**
- Vai'shtom, E. A. - Reparation of the metabolic activity of the brain appendages in the embryos of rats following X-ray irradiation. p. 955.
- Lazarev, A. I., Pingin, N. I. - Threshold light intensity of moving point sources. p. 958.
- Rasa, I. T. - Radiosensitivity and the nature of radiation injury of the thymus cells of a mouse in situ. p. 959.
- Telichevko, M. M., Chistiakova, T. I. - Changes in the concentration of nucleic acids in gonads of *Loucasaphus delincatus* exposed to uranium. p. 962.
- BIOCHEMISTRY**
- Lubimova, M. N., and others. - Functional rotation between adenosine triphosphate and leaf movement in *Mimosa pudica*. p. 964.
- Vasilukova, N. I., Ozarotkovskaya, O. L. - New formation of phenols in injured tissues of potato tubers. p. 968.
- Smakova, I. M., Slakian, N. M. - Nucleopeptides in plants. p. 971.
- Likholt, T. V., Iakushkina, N. I. - Effect of 2,4-D on the oxidative phosphorylation of mitochondria isolated from plants of different taxonomic groups. p. 975.
- PLANT PHYSIOLOGY**
- Tumanov, I. I., Krasavtsev, O. A., Trunova, T. I. - Survival of winter wheat at -195°C as a result of vitrification. p. 978.
- MORPHOLOGY**
- Kaputina, E. V. - Interrelationship between the changes in blood and lymphatic vessels of the liver in experimental portal hypertension and annular cirrhosis of the organ. p. 982.
- PHYSIOLOGY**
- Babitskii, E. B., Sal'manovich, V. S., Kosharskaya, I. L. - Interrelationship between the duration of the phases of cardiac cycle and the rate of pressure change in right and left ventricles. p. 986.
- Konstantinov, A. I. - Effect of partial and total excision of the cerebral cortex on the echolocation by bats. p. 989.
- Vol. 161, no. 5, Apr. 1965.
- Table of contents translated:
- MATHEMATICS**
- Berman, D. L. - Some extremum problems in the theory of polynomial operators. p. 999.
- Gurarii, V. I. - Convexity and smoothness moduli of Banach spaces. p. 1003.
- Zabreiko, P. P. - Continuity and complete continuity of  $P, S$ -Uryson's operators. p. 1007.
- Mamedov, I. A. D. - Some characteristics of solutions to nonlinear parabolic equations in Hilbert space. p. 1011.
- Palamodov, V. P. - The problem of  $M$ -convexity. p. 1016.
- Popov, B. V. - Transformation semigroups of a rank not above two. p. 1110.
- Tikhonov, A. N. - Nonlinear equations of the first kind. p. 1023.
- Khairullina, S. P. - Certain Cauchy problems with initial data on the degeneration line. p. 1027.
- HYDROMECHANICS**
- Vo Klong-an' [Vo Hong-an], Tverskoi, B. A. - Effect of rotation on the turbulence of two-dimensional flows. p. 1030.
- Il'inski, N. B. - Boundary value problem involving seepage under pressure. p. 1033.
- Iudovich, V. I. - Stability of steady flows of a viscous incompressible fluid. p. 1037.
- THEORY OF ELASTICITY**
- Zvolinskii, N. V., Rykov, G. V. - Reflection and refraction of plane plastic waves. p. 1041.
- Khaliashvili, G. M. - Torsion of composite anisotropic cylindrical bodies with a slightly bent axis. p. 1044.
- MATHEMATICAL PHYSICS**
- Volosov, V. M., Morgunov, B. I. - Calculation of oscillatory modes of certain non-Hamiltonian systems. p. 1048.
- Zhigulev, V. N. - Theory of ordered statistical systems. p. 1051.

- Paylotski, I. P. - *Statistical mechanics of a one-dimensional system with Coulomb interaction*. p. 1055.
- PHYSICS:**
- Basov, N. G., and others. - *Radiation in a GaSe single crystal induced by fast electrons*. p. 1059.
- Guliamov, K., and others. - *Anomalous strong effect of pressure on the optical and ferroelectric properties of SbSI single crystals*. p. 1060.
- Kaminski, A. A., Kornilenko, L. S., Prokhorov, A. M. - *Continuous solar laser operating on Dy<sup>2+</sup> in CaF<sub>2</sub>*. p. 1063.
- Kesamany, F. P., Rud, I. V., Slobodchikov, S. V. - *Photoelectric properties of p-ZnSiAs<sub>2</sub> and p-CdGeAs<sub>2</sub> crystals*. p. 1065.
- Kopylov, V. P. - *Griffiths' constant in the Thomas-Fermi approximation*. p. 1067.
- Menski, M. B. - *Mass relationships in an octet model in the case of mixing*. p. 1069.
- TECHNICAL PHYSICS:**
- Itkin, V. P., Mogutov, B. M., Shvartsman, L. A. - *Transformations due to heating of iron-nickel martensite*. p. 1073.
- Livshits, L. D., Beresnev, D. I., Rabinin, I. U. N. - *Plasticity of the alloy 50 at. % Bi - 50 at. % Sn under tension at high pressure*. p. 1077.
- CHEMISTRY:**
- Gal'chenko, G. L., and others. - *Standard heats of formation of ZrCl<sub>4</sub> and HfCl<sub>4</sub>*. p. 1081.
- Nesmelanov, A. N., Sazonova, V. A., Romanenko, V. I. - *Diferrocenylamines*. p. 1085.
- Nefedov, O. M., Novitskaya, N. N., Shiriaev, V. I. - *Comparative reactivity of poracene and cyclopropane in ionic reactions*. p. 1089.
- Sarkisov, E. S. - *Interatomic distances of lanthanides in metal crystals*. p. 1093.
- Tebelov, L. G., Silidina, N. A. - *Effect of potassium iodide on the iodine-polyvinyl alcohol color reaction*. p. 1096.
- Finkel'shteyn, E. I., Abkin, A. D. - *Low-temperature radiation polymerization of acrolein*. p. 1098.
- TSvetkov, E. N., and others. - *Correlation of the dissociation constants of carboxylic acids RCOOH and Taft's  $\sigma$ -constants with the nuclear quadrupole resonance frequencies of halogens in Rhal-type compounds*. p. 1102.
- Shopov, D. M., Diankov, S. S., Nametkin, N. B. - *Synthesis and stability of some furylsilanes*. p. 1106.
- PHYSICAL CHEMISTRY:**
- Akopian, M. E., Vlasov, F. I. - *Mass spectrometer study of the photoionization of low-volatility organic substances*. p. 1110.
- Astakhov, A. V. - *Rate of Brownian coagulation of aerosols in thirteen-moment approximation*. p. 1114.
- Vovodskiy, V. V., Soloukhin, R. I. - *Mechanism of high-temperature methane oxidation in shock waves*. p. 1118.
- Gorbunov, A. I. - *Heats of chemisorption and structure of surface chemical compounds on metals*. p. 1121.
- Zotov, I. U. A., Maslov, V. N., Mitin, A. P. - *Observation of the electromotive force during epitaxial germanium growth on germanium with the use of a gas transfer reaction with water*. p. 1124.
- Kazavchinskii, I. A. Z. - *Choice of the reference point when studying the thermodynamic similarity of gases*. p. 1127.
- Kargin, V. A., Kabanov, V. A., Kargin, O. V. - *Polymerization of 4-vinylpyridine on polystyrene-sulfonic acid*. p. 1131.
- Privalova, L. G., Malzov, Z. K., Emanuel', N. M. - *Mechanism of the formation of free radicals in the decomposition of hydroperoxides by the action of organic acids*. p. 1135.
- Tarasovich, I. U. I., Dyachenko, F. D. - *Thermal dehydration of polyborate studied by infrared spectroscopy*. p. 1138.
- Figurovskaya, E. N., Kiselev, V. F., Volkenshtein, F. F. - *Effect of chemisorption of oxygen on the work function and conductance of titanium dioxide*. p. 1142.
- Chalykh, A. E., Vashin, R. M. - *Diffusion in the system polyisobutylene - solvents studied by the interferential micromethod*. p. 1146.
- Chertov, V. M., and others. - *Intraglobular and surface silanol groups of silica gels obtained by the hydrothermal method*. p. 1149.
- CHEMICAL TECHNOLOGY:**
- Voskoboynikov, I. M., Dubovik, A. V., Bobolev, V. K. - *Low velocity detonation of nitroglycerin*. p. 1162.
- Kakabadze, V. M., and others. - *Physicochemical analysis of the products of interaction between magnesium nitrate and urea*. p. 1168.
- Levin, I. S., Shatalova, A. A. - *Extraction of antimony (III) by alkyl phosphoric acids and the possibility of its separation from the accompanying elements*. p. 1158.
- Bozhaev, M. M. - *Flysch formation in the eastern slope of the Urals and its facies composition*. p. 1161.
- Komar, V. I. A., Raaben, M. E., Semikhatov, M. A. - *Methods for studying stromatolites Conophyton and their stratigraphic significance*. p. 1165.
- Laplin, I. I. U. - *Early Permian of the Mugodzhur trough*. p. 1169.
- Leonov, B. N., Biterman, I. M., Natopov, L. M. - *Characteristics of the tectonic development of the Olenek highland in the Late Pre-Cambrian*. p. 1173.
- Movshovich, E. V. - *Baskunchak series of the Lower Triassic in the northeastern margin of the Greater Donets Basin*. p. 1177.
- MINERALOGY:**
- Borishanskaya, S. S., Krutov, G. A., Makhmudov, A. I. - *Alloclasts from the Southern Dashkasan iron ore deposit (Azerbaijan S.S.R.)*. p. 1181.
- Koleenkov, L. V., Rumiantsev, G. S. - *Thermomagnetic analysis of the intermediate members of the magnetite-jakobsite isomorphous series from the Eravinskoye iron ore deposits of the Buryat A.S.S.R.* p. 1184.
- Sukhorski, R. F. - *Temperature conditions governing the formation of rock crystal in the Aldan*. p. 1188.
- PETROGRAPHY**
- Nechayeva, I. A. - *Find of apatite-bearing rocks in the Smyr Massif of nepheline syenite (northern part of the Lake Baikal region)*. p. 1191.
- Puchkov, E. V. - *Using thermoluminescence to study secondary quartzites*. p. 1195.
- GEOCHEMISTRY:**
- Karavaev, N. M., Vener, R. A., Grigor'eva, K. V. - *Water soluble acids from the oxidized coals of a permafrost zone*. p. 1197.
- Karsik, M. A., Bol'shakov, A. P. - *Mercury vapors in the Nikitovka oil field*. p. 1201.
- CYTOLOGY:**
- Belleva, I. D. - *Sensitivity of different interphase periods to the injury of RNA synthesis caused by auranin*. p. 1205.
- MICROBIOLOGY:**
- Cherkasski, E. S., and others. - *Antiviral activity of quaternary salts of 4-n-dialkylaminophenylpyridines and chlorine-copper complexes of pyridine bases of the carbonaceous tar*. p. 1208.
- BIOPHYSICS:**
- Kaimanov, A. E., and others. - *Nature and role of free radicals in biological processes*. p. 1212.
- Neverova, L. G. - *Effect of various doses of X rays on the osteogenesis in long tubular bones of the extremities in the embryos of mice*. p. 1216.
- Khvostov, V. V., Novogodina, L. V., Dubinin, N. P. - *Analysis of the aftereffect of gamma rays and 600 Mev energy protons in chromosomes*. p. 1219.
- BIOCHEMISTRY:**
- Livanova, N. B., Pikhelgas, V. I. A., Shpil'dor, V. O. - *Transformations of phosphorylase B in acid and alkaline media*. p. 1222.
- Malakhova, E. A., Torchinskii, I. U. M. - *Isolation of coenzyme-quasubstrate complex from aspartic-glutamic transaminase*. p. 1224.
- Khomutov, R. M., Severin, E. S., Kovaleva, G. K. - *Controlled synthesis of inhibitors of enzymatic glutamic acid transformations*. p. 1227.
- PLANT PHYSIOLOGY:**
- Shkol'nik, R. I. A., and others. - *Intermediate products of the photosynthesis of a synchronous Chlorella pyrenoidosa culture at different stages of its development*. p. 1231.
- EXPERIMENTAL MORPHOLOGY:**
- Zhdanov, G. L., Sorokina, I. B., Mal'kova, V. P. - *Effect of antitumoral compounds on the regeneration of the liver in rats*. p. 1235.
- PHYSIOLOGY:**
- Vasilovskaya, N. E., Udolova, G. P. - *Electric activity of the cerebral cortex of a rabbit in the case of salt overload following destruction of the motor and posterior limbic areas of the cortex*. p. 1238.
- Mkrtchyan, L. I., Samonova, V. G. - *Response of individual neurons of the optical lobe of the brain in a frog to the variation in length of light stimuli*. p. 1242.
- Luk'yanenko, V. I., Sorokin, I. U. I. - *Rate of the incorporation of antigen and its distribution in the tissues of a fish (Rutilus rutilus L.)*. p. 1246.
- Vol. 161, no. 8, Apr. 1965.
- Table of contents translated:
- MATHEMATICS:**
- Belonogov, V. A. - *Finite groups with a pair of non-adjoint nilpotent maximal subgroups*. p. 1255.
- Varpakhovskii, F. L. - *On the unrealizability of disjunctions of unrealizable formulae in propositional calculus*. p. 1257.
- Vostretov, B. A. - *Structure of analytic solutions to a class of systems of linear partial equations with constant coefficients*. p. 1259.
- Zinger, M. I. A. - *Roots of trigonometric polynomials*. p. 1263.
- Ibragimov, I. A. - *Rate of convergence to normal distribution*. p. 1267.
- Ivanov, A. V. - *A priori estimates for solutions to elliptic and parabolic linear equations of the second order*. p. 1270.
- Liubich, I. U. I. - *General theorems on quadratic relaxation*. p. 1274.
- Mil'man, D. P. - *Formulation and methods of solution of the general boundary value problem in the theory of operators in the aspect of functional analysis. Cauchy and Dirichlet problems*. p. 1278.
- Postnikova, L. P. - *Fluctuations in the distribution of fractional portions*. p. 1282.
- Cherepanov, G. P. - *On an integrable case of Rile-mann's boundary value problem for several functions*. p. 1285.
- CYBERNETICS AND REGULATION THEORY:**
- Rybachov, M. V., Dudnikov, E. E. - *Parametric method for solving problems of fractional programming with the aid of analog computers*. p. 1289.
- MECHANICS:**
- Ishlinski, A. I. U. - *A mechanical analogy of a gyroscopic stabilizer having elastically pliable elements*. p. 1291.
- THEORY OF ELASTICITY:**
- Khatibavili, G. M. - *Bending by a transverse force of sectional anisotropic cylindrical bodies with a slightly bent axis*. p. 1295.
- ASTRONOMY:**
- Abramenko, A. N., and others. - *Experience in estimating the threshold sensitivity of a television system from observations of stars*. p. 1299.
- Kulaza, B. G., Losovskii, R. I. A., Salomonovich, A. E. - *Radio emission from Saturn at a wavelength of 8 mm*. p. 1301.
- MATHEMATICAL PHYSICS:**
- Volosov, V. M., Morgunov, B. I. - *Asymptotic calculations of certain rotary motions in the resonance case*. p. 1303.
- PHYSICS:**
- Basov, N. G., Grashuk, A. Z., Katulin, V. A. - *Induced radiation in optically excited gallium arsenide*. p. 1306.
- Ivanov-Omski, V. I., Kolomiets, B. T., Smirnov, V. A. - *Recombination radiation in InSb due to the magnetocentrifugal effect*. p. 1308.
- Lashkarev, V. E., Liubchenko, A. V., Sheikman, M. K. - *Use of the kinetics of infrared quenching of the photocurrent in determining the parameters of recombination centers in cadmium sulfide*. p. 1310.
- Sevchenko, A. M., and others. - *Quasi-line electron spectra of tetrabenzoporphyrin*. p. 1313.
- Sokolov, A. A., and others. - *Lepton annihilation of proton-antiproton pairs with allowance for form factors and polarization correlations*. p. 1317.
- Suramishvili, G. I. - *Damping of a Langmuir wave near the ionic sound radiation threshold*. p. 1320.
- TECHNICAL PHYSICS:**
- Lubov, B. I. A., Chernizer, G. M. - *Scattering of the energy of a moving dislocation on heavy impurity atoms*. p. 1324.
- CHEMISTRY:**
- Balenkova, E. S., and others. - *Conversions of methylcyclooctane in the presence of platinum catalysts*. p. 1329.
- Babikh, O. F., Grinberg, A. A. - *Synthesis of N-substituted aromatic amines*. p. 1333.
- Birjukov, I. P., and others. - *Nuclear quadrupole resonance of 1,1-dichloro and 1-methyl-1-chloro-1-silylcyclohexanes*. p. 1336.
- Ioffe, B. V., Stollarov, B. V. - *Isomerization and fragmentation of carbonium ions during sulfato alkylation*. p. 1350.
- Kochetkov, N. K., Khorin, A. I. A., Bochkov, A. F. - *New way of synthesizing furanoses. Synthesis of 3-O-( $\beta$ -D-galactofuranosyl)-D-mannitol*. p. 1342.
- Ryzhmanov, I. U. M., Mazitova, F. N. - *Electron paramagnetic resonance study of the oxidation of the methyl ether of o-amino-p-tert-butylphenol*. p. 1346.
- Nesmelanov, A. N., and others. - *Substitution of a proton for a halogen in ferrocene halides*. p. 1349.
- Pudovik, A. N., Rakov, A. E. - *Thermal rearrangement of complete phosphorous acid esters with saturated radicals*. p. 1352.
- Rokhin, E. M., and others. - *Reaction of hexafluoroacetone with triethyl phosphite*. p. 1356.
- Sevost'yanova, N. I., and others. - *New compounds formed by rare-earth oxides with lithium*. p. 1359.
- Sergeev, A. P., Bellaya, I. N., Iakubovich, A. A. - *Direct fluorovinylation*. p. 1362.
- Iakubchik, A. I., and others. - *Hydrogenation of cis-1,4-polybutadiene in the presence of soluble catalysts*. p. 1365.
- PHYSICAL CHEMISTRY:**
- Dar'kalov, I. M., Gol'danskii, V. I., Rapoport, V. B. - *Calorimetric study of the radiation polymerization kinetics*. p. 1368.
- Kirillov, E. A., and others. - *Absorption features of colloidal solutions and dry layers of certain organic dyes*. p. 1371.
- Castrovski, V. E., Kul'kova, N. V. - *Heats of oxygen chemisorption on silver and their variation in response to sulfur introduced at the surface*. p. 1376.
- CHEMICAL TECHNOLOGY:**
- Kornilov, I. I., and others. - *Phase diagram of TiCr<sub>2</sub> - ZrCr<sub>2</sub>*. p. 1378.



- Kostina, L. V., and others - Chemical mechanism of the controlling action of sodium hexafluorosilicate on the flotation of some minerals. p. 1382.
- Luk'yanova, O. I., Uvarova, I. I., Rebinder, P. A. - Physicochemical properties of sodium silicates rich in silica. p. 1385.
- GEOLOGY**
- Makusova, E. S., Usnikova, T. V. - New data on the interstadial sediments of the Leningrad region. p. 1389.
- Somov, V. D. - Oligocene horizons in the Northern Caucasus. p. 1393.
- Chir'ov, B. M. - Transverse faults as revealed by a study in the Koryak fold area. p. 1397.
- MINERALOGY**
- Grigor'ev, D. P. - An explanation of the constitution of silicates. p. 1400.
- Pen'kov, I. N., Safin, I. A. - Nuclear quadrupole resonance in bournonite. p. 1404.
- Sem'nov, E. I., Bykova, A. V. - Beryllium borate, hambergite in the alkali pegmatites of the Lake Baikal region. p. 1407.
- Khalilov, A. D., and others - Crystalline structure of murchisonite. p. 1409.
- PETROGRAPHY**
- Volynets, O. N., Shilin, N. L. - On a type of ore manifestation new to Kamchatka. p. 1412.
- Koltygin, S. N., Safonova, V. S. - Pyroclastic rocks in the Cretaceous sediments of the Caspian Lowland. p. 1416.
- Chelishchev, N. F. - Crystallization of basaltic melt in a dry system and under the pressure of water vapor. p. 1419.
- GEOCHEMISTRY**
- Betelev, N. P. - Presence of hydrogen in the composition of natural gas in the southeastern Ustyurt. p. 1422.
- PALEONTOLOGY**
- Vologdin, A. G. - Discovery of the remains of some huge carapace animals in the Karagasskaya series of the Eastern Sayan Mountains. p. 1428.
- CYTOLOGY**
- Abramyan, K. S., Reingol'd, V. N. - Electron microscopic study of the interrelationship between nucleus and cytoplasm. p. 1431.
- GENETICS**
- Lublin, N. P., Shcherbakov, V. K., Desler, G. N. - Chromosome mutation spectrum at different levels of natural cell mutation. p. 1434.
- MICROBIOLOGY**
- Kronova, N. M., Ierusalimskii, N. D. - Quantitative relationship between the concentration of exchange products and the growth rate in micro-organisms. p. 1437.
- Rautenshtein, I. A. I., Fadeeva, N. P. - Lysogenic conversions of citrate resistance in *Actinomyces viscosus*. p. 1441.
- BIOPHYSICS**
- Vainshtein, B. K., Feigin, L. A. - Ordered arrangement of the molecules of soluble ribonucleic acid in water solutions. p. 1444.
- Koropliannikov, A. G., Kudriashov, I. U. B., Iarmonenko, S. P. - Regeneration efficiency in mice irradiated with 660 MeV protons. p. 1448.
- BIOCHEMISTRY**
- Vandushin, B. F., Kokurina, N. A., Belozerskii, A. N. - 6-methylaminopurine in deoxyribonucleic acid of some micro-organisms. p. 1451.
- Grakhtovich, V. N., Kozlov, L. V., Glindman, L. M. - Relation between pepsin catalyzed reactions of transpeptidation and isotopic oxygen exchange. p. 1455.
- Mutuskina, A. A. - Incorporation of amino acids into plastid proteins of the embryonic wheat tissue. p. 1458.
- Shvchenko, L. A., Filippovich, I. I. - Effect of antagonists of protein synthesis on the ribosomal apparatus of the yeast cell. p. 1461.
- PLANT PHYSIOLOGY**
- Sokol'nik, M. I. A., Davydova, V. N. - Effect of zinc and vitamins B<sub>1</sub> and B<sub>6</sub> on the incorporation of C<sup>14</sup>-tyrosine into proteins. p. 1465.
- EMBRYOLOGY**
- Samoshkina, N. A. - Incorporation of H<sup>3</sup> thymidine by cell nuclei of the embryo of mice in preimplantational periods of the development. p. 1467.
- Chalskala, E. Sh. - Some problems of approximation on sets in the complex plane. p. 30.
- CYBERNETICS AND REGULATION THEORY**
- Arbuzova, N. I., Danilov, V. L. - A problem in stochastic linear programming and its stability. p. 33.
- HYDROMECHANICS**
- Bratkovskaya, I. I. U. - Method for calculating flows with strong viscous interaction. p. 36.
- THEORY OF ELASTICITY**
- Kikio, I. A. - Exact solution to a problem of plastic flow in a thin layer on elastic surfaces. p. 40.
- PHYSICS**
- Achasov, N. N., and others. - A formal dynamic model of unitary symmetry. p. 43.
- Bykov, V. P. - Radiant fluxes and natural vibrations in open resonators. p. 46.
- Deriagin, B. V., Rabinovich, I. A. I. - Experimental test of the validity of Pascal's law in nonuniformly heated gases. p. 50.
- Lavrov, V. V. - Difference in the resistance of ice to compression and tension. p. 54.
- Sevchenko, A. N., Pifutik, L. G., Kostko, M. I. A. - Duration of the fluorescence of complex molecules. p. 57.
- Shamburov, V. A. - Rotation of the plane of polarization of light by crystals under the action of an electric field. p. 60.
- TECHNICAL PHYSICS**
- Popov, N. M., Savitskii, E. M., Tsiaev, G. L. - Use of the method of microdiffraction of ultrafast electrons in studying the fine structure of tungsten single crystals. p. 64.
- Tavazde, F. N., Baimashvili, I. A., Khantadze, D. V. - Surface tension and structure of molten iron, cobalt, and nickel borides. p. 67.
- GEOPHYSICS**
- Moskaleva, S. V., Zotova, I. F. - Magnetic properties of ultrabasic rocks. p. 70.
- Tareev, B. A. - Quasi-geostrophic instability of ocean currents. p. 74.
- CHEMISTRY**
- Andrianov, K. A., and others - Disproportionation reaction used as a new method for synthesizing organosilicon polymers. Synthesis of polyphenylsilanes. p. 79.
- Arbuzov, B. A., Erastov, O. A., Remizov, A. B. - Spectroscopic study of the tautomerism of 4-carbomethoxy-3-ketothiofene, 2-carbomethoxy-3-ketothiofene, and 4-methyl-2-carbomethoxy-3-ketothiofene. p. 82.
- Belotitskaya, I. P., and others. - Protolysis mechanism of cis- and trans-β-chlorovinyl mercury chlorides under the effect of HCl and DCl. p. 88.
- Volodina, M. A., Kirushkina, G. V., Terent'ev, A. P. - Synthesis of cycloalkano-2,3-pyridindios and steric course of Leikart's reaction. p. 90.
- Glazov, V. M., Krestovnikov, A. N., Glagoleva, N. N. - Physicochemical analysis of binary systems formed by tellurium and germanium subgroup elements in the liquid state. p. 94.
- Grigor'ev, A. I., Turova, N. I. A. - Infrared absorption spectra of the alcoholates of beryllium, magnesium, and alkaline earth metals. p. 98.
- Kasymov, Sh. Z., Iuldashev, P. Kh., Iunusov, S. I. U. - Study of alkaloids of the overground part of *Vinca erecta*. p. 102.
- Kochetkov, N. K., Khorlin, A. I. A., Bochkov, A. F. - Synthesis of disaccharides. p. 104.
- Minkin, V. I., and others. - Special features of the intramolecular hydrogen bonding in molecules of the anils of o-hydroxyaldehydes and o-hydroxyanils. p. 108.
- Nosmelanov, A. N., Anisimov, K. N., Valtueva, Z. P. - Reactions of chloromethylcyclopentadienylmanganes-tricarbonyl with some nucleophilic reagents. p. 112.
- Ryzhmanov, I. U. M., and others. - Superfine structure in electron paramagnetic resonance of some derivatives of benzoyl hydrazyl free radicals. p. 116.
- Fabrichnyi, B. P., Shalavina, I. F., Gol'dfarb, I. A. L. - New synthesis of 2,3,4,5-tetrahydro-biotin. p. 120.
- Shostakovskii, M. F., and others. - Structure of acrolein copolymers with vinyl aryl ethers. p. 124.
- PHYSICAL CHEMISTRY**
- Akhmatova, I. A. - Experimental determination of the heat capacity of liquid tin at high temperatures. p. 127.
- Bielukov, I. P., and others. - Nuclear quadrupole resonance method of studying organosilicon compounds containing Si-Cl and C-Cl bonds. p. 130.
- Komov, V. F., Troshin, I. A. K. - Structure and de-orientation mechanism of heterogeneous systems. p. 133.
- Papilov, I. M., Kabanov, V. A., Kargin, V. A. - Mechanism of a polymeric phase formation in monomer crystals. p. 136.
- Reznikovskii, M. M. - Durability of highly elastic polymers. p. 140.
- Iaroslavskii, N. G., Kononov, L. V. - Long-wave absorption spectra of complex compounds of aniline with metals. p. 144.
- CHEMICAL TECHNOLOGY**
- Pinkal, I. N., Shadrin, E. A. - Interaction between micelle and certain reagents in flotation. p. 147.
- GEOGRAPHY**
- Grigor'ev, A. A., Budyko, M. I. - Relation between the balances of heat and moisture and the intensity of geographic processes. p. 151.
- GEOLOGY**
- Andrianov, V. N., Bulgakova, M. D. - Middle Cambrian age in boundary layers of the Tekt and Verkhoyansk series of the Khatanga Mountains in the lower Lena Valley. p. 155.
- Leleashov, V. L. - Devonian sediments of the Zornavshan-Gissar mountainous area. p. 158.
- Onishchenko, B. A. - New materials on the Quaternary stratigraphy of the Chersky mountain system. p. 161.
- HYDROGEOLOGY**
- Sukharev, G. M., Baitsev, O. B. - Some data on the thermophysical properties of rocks composing the cross sections of oil and gas fields in the northern part of Sakhalin. p. 164.
- Ulanov, Kh. K. - Subsea face drainage into the Caspian Sea and the seepage of its waters to the bottom and coasts. p. 166.
- MINERALOGY**
- Voitkevich, G. V., Prikhodov, V. G., Khudikidnava, I. A. - Nature of thermoelectric effect in minerals. p. 169.
- Pokrovskii, P. V., Tormosova, G. F., Kolenko, L. I. - Weisschenkite from the Central Urals. p. 173.
- Slonimskaya, M. V., Rutikaul, T. S. M. - Structure of the adsorbed water of kaolinite and montmorillonite. p. 176.
- Khalilov, A. D., and others. - Crystalline structure of the minerals of the murchisonite-lomonosovite group. p. 179.
- PETROGRAPHY**
- Korobova, N. I. - Metamorphic shales containing ilmenite of the Faymoy Peninsula. p. 183.
- Loginov, V. P., Rusinov, V. L. - Iron pyrite deposit in Quaternary volcanic formations at the Mendeleev Volcano in Kunashir Island. p. 186.
- GEOCHEMISTRY**
- Moklenko, V. F. - Some geochemical characteristics of strontium in the Lower Permian sediments of Volgograd Province. p. 189.
- GENETICS**
- Baitoshevich, I. U. E. - Mutagenic effect of nitroalkyl-urea and ethylenimine on back mutations in actinomycetes. p. 193.
- Gostimskii, S. A., Khvostova, V. V. - Change in the rate of chromosome reorganization induced by ethylenimine in the first mitosis of pea rootlets. p. 197.
- BIOPHYSICS**
- Dechov, G., Moskova, A. - Optimum self-adjustment of metabolic processes in a cell. An attempt to establish a normal optimum of cell metabolism. p. 201.
- Iarmonenko, S. P., and others. - Effect of protectors in irradiation with sublethal doses. p. 205.
- BIOCHEMISTRY**
- Kavilak, A. V., Chmutina, L. A. - Spectral and photochemical properties of chlorophyllin in interaction with albumin. p. 208.
- PLANT PHYSIOLOGY**
- Kursanov, A., and others. - Disorganization of energy metabolism in roots suffering from potassium deficiency. p. 211.
- Fam Suan Kkhai, [Pham Xuan Khai], Ploskov, B. P. - Change in the protein composition of bean seeds as related to the conditions of nutrition. p. 215.
- MORPHOLOGY**
- Ermolaeva, V. I. U., Ionov, A. S. - Fibers of cortical origin in the composition of chiasm of optic nerves and optic tract in the cat. p. 219.
- PHYSIOLOGY**
- Baskakova, G. M. - Electrotonic potentials in spinal radicles of a frog. p. 221.
- Paylovskii, E. N., and others. - Comparative characteristics of the action of venoms of *Bungarus fasciatus*, *Naja tripudians* and *Vipera lebetina* on an isolated frog heart. p. 225.
- Plonkovskii, I. A., Myslozhodskii, M. S. - Significance of photostimulation of the peripheral end of the optical analyzer for ripening of its cortical substitute. p. 229.
- EMBRYOLOGY**
- Aleksandrov, V. A. - Role of allantois injury in the pathogenesis of antenatal death and some embryopathies in rats treated with myelosan. Critical period in the allantois development in rats. p. 232.
- Lotosh, E. A. - Critical periods in the development of palate, upper lip and upper jaw rudiments in the embryos of mice of SZNA line based on experiments with X-ray irradiation. p. 236.
- ENDOCRINOLOGY**
- Ivanova, I. I. - Reaction of the thyroid gland of a golden hamster (*Mesocricetus auratus* W.) to a thyrotropic preparation and methylthiouracil. p. 239.

Vol 162, no 2, May 1965

Table of contents translated:

## MATHEMATICS:

- Aleksandrian, R. A. - Derivation of a complete set of solutions to the homogeneous Dirichlet problem for the equation of string vibrations p. 247
- Videnskii, V. S. - Class of interpolation polynomials with unfixed nodes. p. 251
- Vinokurov, V. G. - Continuous product of Lebesgue spaces p. 255
- Klimov, V. S., Lifshits, E. A., Krausnol'skii, M. A. - Convergence of positive functionals and operators p. 258
- Levin, V. L. - Functors in categories of Banach spaces determined by KB-lineals p. 262
- Millionshechkov, V. M. - Asymptotic behavior of solutions to linear systems with small perturbations p. 266
- Mil'man, V. D. - Some properties of unconditional bases p. 269
- Rokhlin, V. A. - New examples of four-dimensional manifolds p. 273
- Rysakov, S. S. - Some remarks on various types of n-dimensional parallelepipeds and the density of lattice coverings of  $E^n$  space by equal spheres p. 277
- Saimanov, O. V. - Characteristic coefficients of random distributions p. 281
- Pavel Todarov. - Univalence of a class of meromorphic functions p. 285
- Fedoruk, M. V. - Asymptotic character of a one-dimensional scattering problem p. 287
- Chernykh, N. I. - Approximation of functions by polynomials with connections p. 290
- Shefel', S. Z. - Saddle surfaces bounded by a rectifiable curve. p. 294

## AERODYNAMICS:

- Vallander, S. V. - Stochastic description of the random process of motion of a rarefied gas p. 297

## HYDROMECHANICS:

- Evgen'ev, A. E. - Phase permeability in the seepage of two-phase systems with a porous medium p. 300
- Pleshanov, A. S. - Optimization of a magnetohydrodynamic generator. p. 302

## PHYSICS:

- Akimov, I. A., Meshkov, A. M. - Determining the sign of a photocurrent carrier charge by the capacitor method p. 306
- Imshennik, V. S. - Nonadditive entropy of a thermally inhomogeneous system p. 310
- Livshits, B. L., Tsiukunov, V. N. - Role of the diffusion of inverse population in the generation of induced radiation p. 314

## GEOPHYSICS:

- Levin, L. M., Sedunov, I. U. S. - Effect of inertia on the precipitation of aerosol particles from a flow at precritical Stokes numbers. p. 318
- Shumskii, P. A. - Changes in the mass of the ice cover in central Greenland p. 320

## CRYSTALLOGRAPHY:

- Viskov, A. S., Venevitsov, I. U. N., Zhidnov, G. S. - New ferroelectric substances with the structure of perovskite and pyrochlore. p. 323
- Tseneva, M. A., Mniukh, I. U. V. - Polymorphism in organic molecular crystals. p. 326

## CHEMISTRY:

- Vlashev, M. R., Budnikov, G. K., Kisev, I. U. P. - Possibility of determining microquantities of organic compounds during their adsorption by using an oscillographic method with stepped polarization voltage p. 331
- Zhidnov, A. A., and others - Synthesis and polymerization of cyclohexadienones containing heterocyclic radicals with a silicon atom. p. 335
- Matrosov, E. I., Kabachnik, M. I., Medved', T. I. A. - Potassium and sodium salts of bis-(diphenylphosphinyl)methane and their reactions with aldehydes. p. 339
- Kononov, A. I. - Chemical shift and the activity of dienophile in diene synthesis. p. 343
- Grushovniko, I. A., Perchenko, V. N., Namolkin, N. S. - Transformations of  $\beta$ -(N-ethylenimino)-ethylallenes at elevated temperatures in the presence of nucleophilic and electrophilic reagents p. 347
- Novikov, V. M., Nesmelanov, N. A. - Mercurated phosphonium salts, a new type of quasicomplex compounds. p. 350
- Telezhenetskaya, M. V., Iumsov, S. I. U. - Structure of thalmine and thalminide. p. 354
- Terent'ev, A. P., and others. - Spectropolarimetric behavior of  $\alpha$ -phenylethyl amides of pyridinecarboxylic acids. p. 358
- Freidlina, I. A. Kh., Chukovskaya, E. T. S., Chizhov, I. U. P. - Effect of ethylene oxide or amines on the chain transfer with a modifier in the telomerization of ethylene by carbon tetrachloride. p. 359
- Shostakovskii, M. F., Kelko, N. A. - Synthesis of  $\alpha$ -ethoxyacrolein p. 362
- PHYSICAL CHEMISTRY:
- Shishkina, M. V., Amerik, I. U. B., Krensel', D. A. - Effect of strong electrostatic fields on the structure of the polymer formed in the polymerization of methyl methacrylate. p. 364

Shachkov, G. I., Borisov, A. A., Kogarko, S. M. - Spontaneous ignition in systems with unbranched chain reactions. p. 366

Buben, N. A., and others - Polymer mixtures studied by radiothermoluminescence. p. 370

Utegalov, N. I., Sokol'skii, D. V., Druz', V. A. - Role of hydrogen in the dehydrogenation of cyclohexane on platinum p. 373

Freiman, L. I., Kololyrkin, I. A. M. - Activation of iron by halogen ions. p. 376

Rachinskii, V. V., Lenskii, L. A. - Isotope exchange sorption of tritium from aqueous solutions under dynamic conditions p. 380

Tomlin, I. A. - Thermodynamic properties of austenite as related to its structure. p. 384

## CHEMICAL TECHNOLOGY:

Margolin, A. D., Chulko, S. V., Bobolev, V. K. - Mechanism of penetration of combustion products into the pores of an explosive charge p. 388

## GEOLOGY:

Avlov, P. I. A., and others. - New gas-bearing region in the Ural Mountain region p. 393

Blank, M. I. A., Gorbenko, V. F. - Stratigraphy of Upper Cretaceous sediments in the northern Donets Basin p. 397

Gurov, E. P., Gurova, E. P. - Small Mesozoic intrusions in the northwestern part of the Stanovoy Range. p. 401

Kliarovskii, V. M., Kostuk, V. P. - Age of alkali rocks in the eastern part of the Eastern Sayan Mountains. p. 405

Kulgor, A. L. - Age of the gabbroid Chaykend Massif (Sevan-Akera zone in the Lesser Caucasus). p. 408

Ostryi, G. B. - Fractured rocks in the Mesozoic cover of the West Siberian Plain. p. 411

Firsov, L. V. - Absolute age of granitoids in the Taygonos Peninsula p. 414

## HYDROGEOLOGY:

Koritsenshtein, V. N. - Analysis of the observations of the variations of the undisturbed natural regime of the Paleogene water pressure system in central Ciscaucasia under the effect of the development of gas fields. p. 418

## MINERALOGY:

Aliev, R. M. - Magnetite crystals with a simple cubic lattice from the Daskiesan deposit. p. 422

## PETROGRAPHY:

Skrigachenko, N. S., Dobrorodnyi, N. A., Tambiev, A. S. - Redeposition of chalcopyrite in the pebbles of sulfide ores in the Urup deposit (Northern Caucasus). p. 425

## GEOCHEMISTRY:

Kontorovich, A. E., and others. - Disseminated hydrocarbons in the Jurassic sediments of the West Siberian Plain. p. 428

Shevchenko, E. V. - Physicomathematical analysis of the rate of growth of minerals in small intrusions. p. 432

## PALEONTOLOGY:

Budantsev, L. I. U., Sveshnikova, I. N. - Find of the form Hausmannia in the Upper Cretaceous sediments of Novaya Sibir' Island p. 436

Jankauskas, T. V. - Pterocysthidae, a new order of Crinicyathia. p. 438

## CYTOLOGY:

Meerson, F. Z., and others. - Senile changes in an organ suffering from prolonged hyperfunction p. 441

## MICROBIOLOGY:

Shaposhnikov, V. N., Lorita, Zh. K. - Use of some organic acids and acid combinations by Bacterium formicum under aerobic conditions. p. 445

## BIOPHYSICS:

Moskova, A., Dechev, G. - Optimum self-regulation of metabolic processes in the cell. Scale of metabolic processes as a single optimum system. p. 447

## BIOCHEMISTRY:

Koreneva, L. G., Dvorkin, G. A., Smolnitsyn, V. V. - Anomalous dispersion of the optic activity of nucleic acids and nucleotides. p. 451

Petrova, A. N., Filippova, R. D. - Formation of an intermediate complex of amylose isomerase with ribonucleic acid and polysaccharide. p. 455

Zaitova, G. N., Chuzha Ban-Tin [Chao Pang-T'ing]. - Study of enzymes activating amino acids in the process of the development of Azotobacter vinelandii. p. 458

## PLANT PHYSIOLOGY:

Kefeli, V. I. - Natural growth promoting substances in willow leaves and buds. p. 462

Saakov, V. S. - Effect of boron and manganese on the dynamics of translocation and distribution of C<sup>14</sup>-glucose in plants. p. 465

## PHYSIOLOGY:

Baskova, G. M. - Change in the electrotonic potential of the posterior root following supersegmental (Sechenov's) inhibition in the frog. p. 468

Kirzon, M. V., Kamenskaya, M. A. - Sympathetic effect on the skeletal muscle and neuromuscular synapse as related to the frequency of tetanic stimulation. p. 472

Iarmenonko, S. P., and others. - Cystaphos (mono-sodium salt of  $\beta$ -aminoethylthiophosphoric acid) as a means for increasing the effectiveness of the chemotherapy of tumors. p. 476

Vol 162, no 3, May 1965

Table of contents translated:

## MATHEMATICS:

Bregman, L. M. - Use of the consecutive projection method in finding a common point of convex sets. p. 487

Gavrilov, V. I. - Behavior of a holomorphic function near its essentially singular point. p. 491

Govorov, N. V. - Indicator of functions of nonintegral order, analytic and growing with perfect regularity on a half-plane. p. 495

Davidenko, D. F. - Use of the parametric variation method in deriving iteration formulae of high accuracy for determining the numerical solutions to nonlinear integral equations. p. 499

Kirillov, A. A. - Positively defined functions on a group of matrices with elements from a discrete field. p. 503

Mikhailov, V. P. - Asymptotic behavior of the solutions to certain nonstationary boundary value problems at  $t \rightarrow \infty$  p. 506

Nikol'skii, I. U. S. - Theory of the weight classes of differentiable functions of several variables and its applications to boundary value problems for elliptic equations p. 510

Rashevskii, P. K. - Closed ideals in a denumerably normalized algebra of integral analytic functions. p. 513

Samolienko, S. I. - Preparation of cyclic noiseproof codes and an analysis of their error-correcting capacity. p. 516

Spivak, M. A. - Base development of a regular expression and its applications. p. 520

## HYDROMECHANICS:

Bekulov, M. T. - A linearized problem involving the discontinuous flow of an incompressible liquid past a permeable wedge p. 523

## PHYSICS:

Bel'skii, N. K., Mukha-Medova, D. A. - Determining the oscillator force of the ruby R<sub>1</sub> line at 76° K by the method of Rozhdostvenskii hooks. p. 527

Diozdov, V. A., Kurmashev, Sh. D., Rvachev, A. L. - Optical method of forming a p - n - junction p. 530

Zubarev, D. N. - Local equilibrium of the Gibbs ensemble and its relation to the theory of fluctuations and transport phenomena. p. 532

Larionov, E. G. - Leveling of certain instabilities in the motion of a plasma across a magnetic field p. 536

Moskatenco, V. A., Palistrant, M. E. - Determining the critical temperature of a superconductor with electric admittance. p. 539

Paukov, I. E., and others - Heat capacity of black phosphorus at low temperatures p. 543

Tulinov, A. F. - An effect accompanying nuclear reactions in single crystals and its use in various physical research. p. 546

## TECHNICAL PHYSICS:

Kurochkin, N. V., Likhman, V. I. - Effect of surface-active agents on processes of ultrasonic treatment of metals. p. 549

Shvestrovich, S. I., Firsov, V. M., Gladkov, A. V. - Change in the structural and physical state of glass hardened in molten metal. p. 552

## GEOPHYSICS:

Volatovich, M. P., Sobolev, G. A. - Use of the piezoelectric effect of rocks for underground studies of piezoelectric bodies p. 558

Lukk, A. A., Nersisov, I. L. - Structure of the upper portion of the earth's mantle from observations of earthquakes with intermediate depth of the seismic center. p. 559

## CRYSTALLOGRAPHY:

Mekhtiev, K. M., and others. - Crystalline structure of the Bi-molybdate Bi<sub>2</sub>[MoO<sub>4</sub>]<sub>3</sub>. p. 563

## CHEMISTRY:

Vilkov, L. V., Sadova, N. I. - Electron diffraction study of the structure of phenylcyclopropane molecules p. 565

Dzizenko, A. K., Nefedova, M. I. U., Eliakov, G. B. - Nuclear magnetic resonance and infrared spectra of terpenoids isolated from glassing. p. 569

Evdakov, V. P., Mizrahi, L. I., Sandalova, L. I. U. - Reaction of dialkyl amides of dialkylphosphorous acid with aldehydes. p. 573

Zolotov, I. U. A. - Mechanism of the elementary act of extraction of inner-complex compounds. p. 577

Kravtsov, D. N. - Phenylmercury derivatives of substituted 2-phenylsulfonamylpyridines. p. 581

Namolkin, N. S., and others. - Polymerization of 3,4-benzo-1,1-dimethylsilacyclopentane. p. 585

Nefedov, O. M., and others. - Etherates of trihalogermenes studied by nuclear magnetic resonance spectroscopy. p. 589

Nikolaev, A. V., Logvinenko, V. A., Kniazev, N. N. - Glass formation in the systems containing complexons. p. 593

Smirnov, R. N., Karavaev, N. M. - Nature of the systems of conjugate bonds in coals. p. 597

Fasman, A. B., and others. - Promoting the skeletal nickel catalyst by oxygen-containing anions of transition metals. p. 600

- Shirokova, N.I., Sveshnikov, N.N., Levkoev, I.I. - Effect of quaternary salts of  $\beta$ -chlorovinyl derivatives of heterocyclic bases on some carbo- and dimethinemerocyanine dyes. p. 603.
- IUusov, M.S., Akramov, S.T., IUusov, S.IU. - Alkaloids of *Corydalis gortschakivii* and *Corydalis pseudodzunga*. p. 607.
- Eldus, I.A.T., Ershov, N.I. - Initiated heterogeneous-catalytic reactions. p. 610.
- PHYSICAL CHEMISTRY**
- Mochalov, K.N., Khain, V.S., Gil'manshin, G.G. - Generalized scheme for the hydrolysis of the boron hydride ion and diborane. p. 613.
- Rudnikskii, L.A., Kul'kova, N.V. - Variation in work function of electrons in the adsorption of oxygen on a silver catalyst. p. 617.
- CHEMICAL TECHNOLOGY**
- Roginskii, S.Z., Rozental', A.L. - Chromatographic effects during the optimization of catalytic reactors. p. 621.
- Sinitayn, V.V., Ischuk, I.U.L. - Relation between the length of the fatty acid chain and the rheological characteristics of the pseudogels of Ca soaps. p. 625.
- GEOLOGY**
- Kulbov, B.A. - Ascertainment of Permian sediments on Barents Island (Spitsbergen archipelago). p. 629.
- Kushnareva, T.I., and others. - Stratigraphy and tectonics of the basement of the southwestern part of the Timan Range region. p. 632.
- Masaitis, V.L. - Middle Paleozoic trap formation in the Siberian Platform. p. 636.
- Plushin, K.P., Plushina, A.A. - New data on Proterozoic formations in the eastern slope of the Southern Urals. p. 640.
- Pollak, B.G. - Heat capacity of the Interparoxysmal stage of the activity of the Mutnovskiy Volcano. p. 643.
- HYDROGEOLOGY**
- Smirnov, S.I. - Age of large lenses in the fresh waters of Turkmenia. p. 647.
- MINERALOGY**
- Korolev, I.U.M. - Structure of potassium allervardite from Kuli-Kolon. p. 650.
- Pavlova, I.G. - Formation of phenacite after beryl during potassium metasomatism. p. 654.
- Rogov, I.U.G., and others. - New mineral "tinacsite"  $\text{Na}_2\text{Ca}_2\text{TiSi}_7\text{O}_{19}(\text{OH})$ . p. 658.
- PETROGRAPHY**
- Goidin, B.A. - Magnetite-sphalerite albitites in the southern part of the Pechora Valley portion of the Urals. p. 662.
- Denisenko, V.K. - Mechanism of the formation of dikes of complex structure. p. 664.
- GEOCHEMISTRY**
- Markhasov, B.I. - Evaluation of the acid-base properties of oxides. p. 667.
- Perchuk, L.L., Zyrianov, V.N. - Mineral facies of the alkalinity of astrophyllitic rocks. p. 671.
- CYTOLOGY**
- Davydova, T.V. - Characteristics of the ultrastructure of tubular mitochondria in the neuropil of the forebrain in a turtle. p. 675.
- Prilimak, E.Kh. - Electron microscopy of the mechanism of the secretion of catechol amines following the stimulation of secretory process. p. 678.
- GENETICS**
- Prokof'eva-Bel'govskaya, A.A., Slezinger, S.I. - DNA replication in homologous human chromosomes. p. 681.
- Dechev, G., Moskova, A. - Optimal self-regulation of metabolic processes in the cell. Metabolism as self-regulating system in the presence and absence of feedback. p. 685.
- Saksonov, P.P., and others. - Biological action of high energy protons. p. 688.
- Sapezhinskii, I.I., Sitav, I.U.V. - Effect of radio-protective substances on the prolonged afterglow of irradiated solutions of serum albumin. p. 691.
- BIOCHEMISTRY**
- Vasilenko, S.K., and others. - Determination of nucleotide sequence in oligonucleotides. p. 694.
- Nefakh, A.A., Dontsova, G.V. - Extremely fast stimulation of the increase in enzymatic activity in the fertilization process. p. 696.
- Penksova, R.V., and others. - Study of cellulolytic enzymes of *Myrothecium verrucaria*. p. 702.
- PLANT EMBRYOLOGY**
- Poddubnaya-Arnol'di, V.A. - Study of pollen tubes in angiosperms. p. 705.
- EVOLUTIONARY MORPHOLOGY**
- Medvedeva, I.M. - Localization of material in the olfactory placode of *Caudata*. p. 709.
- PHYSIOLOGY**
- Gasanov, U.G. - Study of the thresholds of cortical primary responses following the development of positive and inhibitory conditioned reflexes. p. 713.
- Isaakian, L.A., Ol'mianskaya, R.P., Trubitsyna, G.A. - Physiological characteristics of the stimulation distribution in a muscular system following conditioned reflex changes in respiratory gas exchange. p. 716.
- PARASITOLOGY**
- Mosgovol, A.A., Popova, T.I., Semenova, M.K. - Deciphering the developmental cycle of the nematode *Synhimantus brevicaudatus* (Oudardin, 1845) parasitizing on gressorial birds and freshwater fishes. p. 719.
- Vol. 162, no. 4, June 1965.
- Table of contents translated.
- MATHEMATICS**
- Blukhina, G.N. - Phragmén-Lindelöf-type theorems for a linear elliptic equation of the second order. p. 727.
- Brushlinskaya, N.N. - Behavior of solutions to the equations of hydrodynamics when Reynolds numbers exceed the critical value. p. 731.
- Bukhshtab, A.A. - New results in studying the Holbach-Euler problem and the problem of twin primes. p. 735.
- Grigor'eva, I.A. - Form of extremum nonnegative polynomials whose coefficients obey several linear relations. p. 739.
- Davidenko, D.F. - Parameter variation as applied to the derivation of high-precision iterative formulae for determining the elements of reciprocal matrices. p. 743.
- Ziman, I.U.L. - Graphs of special type. p. 747.
- Kovalenko, L.I. - Difference method and the uniqueness of a generalized solution to Tricomi's problem. p. 751.
- Platonov, V.P. - Theory of topological groups. p. 755.
- Rekhitskii, Z.I. - Estimation of the growth of solutions to partial differential-difference equations of the parabolic type. p. 759.
- Tikhonov, A.N. - Regularization methods for optimum control problems. p. 763.
- Phan Dinh Diêu. - Constructive locally convex linear topological spaces. p. 768.
- Shevrin, L.N. - Local finite semigroups. p. 770.
- ASTRONOMY**
- Danilov, A.D. - Radio astronomical research and the ionosphere of venus. p. 774.
- PHYSICS**
- Agranovich, V.M., Odintsov, D.D. - Dependence of the ion-electron emission of single crystals on the temperature of the target. p. 778.
- Basov, N.G., Morozov, V.N., Oraevskii, A.N. - Dynamics of a laser with two types of oscillation. p. 781.
- Vladimirov, V.V. - Collisionless current convection and its dynamic stabilization. p. 785.
- Elinson, M.I., Sandomirskii, V.B. - Theory of the volt-ampere characteristics of a film type field triode. p. 789.
- Zel'dovich, I.A.B., Guseinov, O.Kh. - Neutronization of matter on collapse and the neutrino spectrum. p. 791.
- Zubarev, D.N. - Transport processes in particle systems with internal degrees of freedom. p. 794.
- Kamnev, A.B., Leonas, V.B. - Potentials of repulsive interaction of atoms of noble gases. p. 798.
- Lifshits, T.M., Nud', F.I.A. - Photoconductivity in germanium alloyed with group V elements at photon energies below the ionization energy of the impurities. p. 801.
- TECHNICAL PHYSICS**
- Kostetski, B.I., Mamin, G.N. - Dual role of oxygen in rolling friction. p. 803.
- HEAT ENGINEERING**
- Styrikovich, M.A., Martynova, O.I., Belova, Z.S. - Use of the method of electroconductivity measurement in studying the mechanism underlying the distribution of salt between water and saturated water vapor. p. 806.
- CHEMISTRY**
- Akhrem, A.A., and others. - New single-stage way of synthesizing steroid cis-10 $\alpha$ , 17 $\alpha$ -diols from keto oxides. p. 811.
- Zakarina, N.A., Zakumbaeva, G.D., Sokol'skii, D.V. - Selective hydrogenation of dimethylacetylenylcarbinol on Pd black in the presence of cadmium ions. p. 814.
- Zakharkin, L.I. - Splitting of a C-C bond in ketones and alcohols of the barane series under the action of bases. p. 817.
- Korotkov, A.A., and others. - Role of soluble organo-aluminum compounds in the process of polymerization of isoprene by a complex catalyst. p. 821.
- Namekin, N.S., Vdovin, V.M., Zay'yalov, V.I. - Polymerization of 1,1,3,3-tetraphenyl-1,3-disilacyclobutane. p. 834.
- Khairullin, V.K. - Reaction of ethyldichlorophosphine with  $\alpha$ ,  $\beta$ -unsaturated acids. p. 827.
- Khartitov, I.U.A., Prokof'eva, I.V. - Infrared absorption spectra and structure of thiourea dioxide. p. 829.
- TSvetkov, O.N., and others. - Mechanism underlying the alkylation of phenols by higher olefins in the presence of cation-exchange resins. p. 833.
- Baranov, V.G., Volkov, T.L., Frenkel', S.I.A. - Polarization-diffractometric study of the formation of a supermolecular structure in a solution of spiral polypeptide. p. 836.
- Gindin, L.G., and others. - New data on electrical breakdown of aluminum suspensions in dielectrics. p. 839.
- Gudkov, B.S., Balandin, A.A., Savin, E.P. - Isotope exchange of cyclobutane with deuterium on vaporized-metal coatings. p. 843.
- Kavtadze, N.N., Sokolova, N.P. - Infrared spectra of carbon monoxide adsorbed on ruthenium, rhodium, and palladium within a wide temperature range. p. 847.
- Kargin, V.A., and others. - Electron microscope method of studying the supermolecular structure of polymers in solutions. p. 851.
- Klabunovskii, E.I., Balandin, A.A., Mamedzade, R.IU. - Stereochemical approach to the study of the geometry of the active surface of catalysts. p. 853.
- Kogarko, S.M., Llamín, A.G., Mikhailov, V.A. - Spontaneous transition of burning into detonation in pure acetylene at low pressures. p. 857.
- Kruglitskii, N.N., and others. - Effect of ultrasound on the coagulation structures of aqueous dispersions of kaolinite and monothymite. p. 861.
- Kuprianov, S.E. - Mass spectrometric detection of reactions between highly excited hydrogen atoms and ethylene molecules. p. 865.
- Leonov, A.I., Vinogradov, T.V. - Rheological relations in the motion of a viscoelastic medium in a field with a constant longitudinal velocity gradient. p. 869.
- Pavlov, B.V. - Upper limit of self-ignition in an unbranched chain reaction. p. 873.
- Sinsov, I.U.S. - Theory of the hardening of ionization processes in gas jets. p. 875.
- CHEMICAL TECHNOLOGY**
- Plaksin, I.N., Solnyshkin, V.I., Shrader, E.A. - Reaction of struverite and accompanying minerals with oleic acid. p. 879.
- GEOLOGY**
- Denisenko, V.K. - Regular manifestation of inter-oro dikes in the history of the formation of the Karaoka deposit. p. 883.
- Kovalevskii, S.A. - Median deep fault in the Crimean Peninsula. p. 887.
- Mikhukho-Maklil, A.D., Pakhtio, I.A.R. - Cambrian sediments in the Arctic and subarctic Urals. p. 891.
- Chernomorski, M.A. - Division of Proterozoic metamorphic formations in the southern part of the Altai-Sayan area. p. 893.
- Shechekina, N.A. - New data on vegetation in the southern part of the Ukraine during the Pontian. p. 897.
- PETROGRAPHY**
- Vasil'ov, V.I. - Gray ores as a source of secondary cinnabar in the Gornyy Altai. p. 901.
- Proskurko, A.I. - Presence of alkali-acid basaltoid rocks in the Badkhiya region. p. 905.
- Chesnokov, B.V., Popov, V.A. - Growth of quartz grains in the eclogites of the Southern Urals. p. 909.
- LITHOLOGY**
- Bulgakova, M.D. - Presence of elastic cinnabar and ludwigite in the Upper Paleozoic rocks of the northern Kharaulakh Range. p. 911.
- GEOCHEMISTRY**
- Neruchev, S.G., Kovacheva, I.S. - Effect of geological conditions on the value of oil recovery from source rocks. p. 913.
- Peashchevitskii, B.I., Anoshin, G.N., Erenburg, A.M. - Chemical forms of gold in sea water. p. 915.
- Razin, L.V., Khvostova, V.P. - Content and characteristics of the distribution of platinum group metals in ultrabasic and alkali rocks. p. 918.
- Khasanov, A.Kh., Faizlov, A.R. - Formation of fluorite veins in connection with metasomatic albittization in the southern part of the Gissar and Karategin Ranges (southern Tien Shan). p. 922.
- CYTOLOGY**
- Zelenin, A.V., and others. - Separation of a subcellular fraction enriched with ceridine orange cytoplasmic granules. p. 925.
- GENETICS**
- Kulik, M.I. - Effect of temperature and oxygen on the rate of chromosomal aberrations in tomatoes induced by subjecting their seeds to irradiation. p. 928.
- MICROBIOLOGY**
- Ershov, F.I., Zhdanov, V.M. - Actinomycin D as a vital dye and fluorochrome. p. 932.
- Zubova, O.V. - Antifungal and toxic action of individual auranitins (actinomycins). p. 934.
- Maksimovich, N.A., Anisimova, I.U.N. - Pathomorphological changes in the placenta following some virus infections in vitro. p. 937.
- Uspenskaya, V.E. - Porphyrin pigments of green sulfur bacteria. p. 940.
- BIOPHYSICS**
- Zotikov, A.A. - Microfluorometric study of radiation injuries of the macronucleus in the infusorium *Tetrahymena pyriformis*. p. 944.
- Lukash, N.I. - Decrease in the resistance of mice to the blastomogenic effect of urethane following whole-body gamma irradiation in small doses. p. 947.

- Nekrasova, I. V. - Effect of homogenates of various tissues on the radioprotective activity of cysteamine in the process of irradiation of Ehrlich's ascitic carcinoma cells in vitro. p. 950.
- Savich, A. P., Zavit'gel'skiy, G. B. - Cross-linkages and locally denatured areas induced in double-strand DNA by ultraviolet rays of different wavelengths. p. 952.
- BIOCHEMISTRY**
- Lerman, M. I., Beniumovich, M. S. - Effect of mitomycin C, actinomycin C and puromycin on protein synthesis in cellular strains obtained from human tumors. p. 956.
- Ponomarev, V. V., and others. - Effect of wheat grain rat on the combustion heat of gliadin during its warming. p. 960.
- BOTANY**
- Lazarenko, A. S. - Phenomenon of amphotomorphism in mosses. p. 962.
- EMBRYOLOGY**
- Faustov, V. S., Zotin, A. I. - Change in combustion heats of fish and amphibian eggs during their development. p. 965.
- AKADEMIA NAUK URSR, Kiev. Dopovidy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no. 4, 1965.**
- Table of contents translated.
- Discussion of the Report on the Scientific Work of the Academy of Sciences of the Ukrainian S.S.R. in 1964. p. 405.
- Slobodian, I. U. S. - Four-dimensional Riemann spaces admitting of families of three-dimensional fully geodesic surfaces. p. 410.
- Kovach, I. U. I. - Method of bilateral approximation to the solution of Gauss's problem for a general n-wave equation. p. 412.
- Blaschek, V. O. - Expansion in principal functions of a nonself-adjoint differential operator of the second order on the entire axis. p. 416.
- Mel'nyk, Z. O. - Mixed problem for a general hyperbolic equation of the second order on a plane. p. 419.
- Pekhtylevich, V. A. - On a theorem of M. Biernacki. p. 423.
- Luchka, A. I. U. - Use of I. U. D. Sokolov's method in solving the Dirichlet problem for Poisson's equation. p. 426.
- Holubentsev, O. M., Chyrkin, V. P. - A method for the reduction of differential equations. p. 428.
- Postol'nik, I. U. S. - Radiant heating of a plate. p. 432.
- Riazanova, M. I. A., Filonenko, H. H. - Vibrations of a beam resting on an elastic basis under the action of system of moving loads making allowance for the inert properties of the basis. p. 437.
- Huz', O. M. - Stressed state of shells weakened by a number of holes. p. 441.
- Krasnobayev, I. U. V. - Some problems involving the bending of three-layered rods with a light filter. p. 445.
- Sidlar, M. M., Stetsen, K. O. H. - Generalization of the problem of the effect of viscosity in hypersonic gas flow. p. 450.
- Myronova, M. M. - Luminescence in the crater Aristarchus. p. 455.
- Svoronchenko, I. O. - Characteristics of the deformation of solid bodies under the combined effect of diffusion and heat conduction. p. 460.
- Palatnik, L. S., and others. - Electric and optical properties of alloys in the system CuNiSe<sub>2</sub> - In<sub>2</sub>Se<sub>3</sub>. p. 464.
- Rudenko, M. H., Gorshkov, A. A. - Mechanism of the remodification of graphite in cast iron. p. 466.
- Vyval', I. P., Romanov, O. M., Karpenko, H. V. - Effect of thermovibromechanical treatment on the mechanical properties of steel. p. 474.
- Berzhnol, A. S. - Partial density of oxygen in its compounds. p. 478.
- Omytrenko, H. I. U., Parykova, V. M. - Representation of polyhedrons of the composition of multicomponent reciprocal systems. p. 481.
- Deilmars'kiy, I. U. K., Zarubyts'kiy, O. H. - Impedance of a picket electrode in an alkaline melt. p. 485.
- Makar, O. S. - First group of particular parabolic schemes and formulas of indirect distance measuring methods. p. 493.
- Saynovych, V. S., Shovkoplias, V. M., Morozov, H. V. - Use of the thermoluminescent method for studying the geological structure of the Rakhov Massif. p. 494.
- Parnikhs'ka, V. S. - Tectonic regionalization of northern Sakhalin. p. 498.
- Rypun, M. B. - Study of the core of oil- and gas-bearing rocks in the western regions of the Ukraine. p. 501.
- Korobkov, O. I., Solin, I. U. I. - Find of Araloceras alchiana Roman in the Upper Eocene formations of the middle Dnieper Valley. p. 504.
- Burov, V. S., Fedushchak, M. I. U. - Finds of coal pebbles in the Polynitsa sediments of the Pokuty Carpathians. p. 507.
- Ivanov, O. K., Vul', M. I. A., Shechepuk, V. M. - Formation of the Kadobno gas field. p. 510.
- Topachev's'kiy, V. O. - New species of the Ellobius Fisher (Rodentia, Microtidae) from the Upper Pliocene sediments in the southern part of the Ukraine and the Crimea. p. 515.
- Burova, V. I. - Changes in the vessels of the human esophagus under pathological conditions. p. 519.
- Berezkin, O. H. - Quantity of synovial fluid in the leg joints of cattle. p. 522.
- Samosh, V. M. - Sex-related characteristics of the pelvic bones of a muskrat. p. 525.
- Monchenko, V. I. - New species of Harpacticoida (Copepoda) Nitrocella hibernica incerta and Paracampylus schreveli in the Ukraine. p. 528.
- Kostiuk, I. U. O. - New species of leaf rollers (Lepidoptera, Tortricidae) in the Ukraine. p. 533.
- Summary of the activity of the Institutions of the Sections of Physicochemical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R. in 1964. p. 537.
- Summary of the activity of scientific institutions of the Sections of Chemotechnological and Biological Sciences of the Presidium of the Academy of Sciences of the Ukrainian S.S.R. in 1964 and their tasks for 1965. p. 539.
- Scientific program of the Dnepropetrovsk Branch of the Institute of Mechanics of the Academy of Sciences of the Ukrainian S.S.R. p. 542.
- No. 5, 1965.
- Table of contents translated
- Luchka, A. I. U. - Use of I. U. D. Sokolov's method in solving Neumann's external problem for the Poisson equation. p. 547.
- Mytliuk, I. P. - Some covering theorems for functions regular in multiply connected regions. p. 550.
- Baklan, V. V. - Existence of solutions for a class of equations in variational derivatives. p. 554.
- Drobotochenko, V. S. - Representations of Abelian p-groups over a ring of p-adic integers. p. 557.
- Panych, O. I. - Non-negativity of the index of elliptic normally solvable boundary value problems on a plane. p. 558.
- Nudel'man, A. A. - Special representations of generalized moments. p. 563.
- Kaphengst, Ch. - Implications of events and controlling automata. p. 567.
- Maksymovych, M. H. - Methods of mathematical recording of the connections of complex electric circuits. p. 570.
- Tul'chii, V. I. - A plate with a row of slits near a circular hole. p. 573.
- Bohomolov, M. I., Novikova, L. M. - Use of the theory of dislocations in studying friction and the wear of silicon carbide and corundum single crystals. p. 577.
- Bazellan, L. L., and others. - Frequency spectra of discrete sources in the decimeter radio wave band. p. 580.
- Monni, I. F. - Determining the figure of the earth with allowance for third-order magnitudes. p. 584.
- Bulach, E. H., Ievakova, L. H. - Curves of the relative form of gravity anomaly for vertically bounded dome structures. p. 587.
- Mykhalova, N. P., Il'kova's'ka, A. M. - Use of the magnetothermal method in determining ore inclusions in pyroxenes. p. 590.
- Millnikh, O. M., Lypkivs'kiy, K. O. - Method for eliminating a minimum current in the load of a magnetic amplifier. p. 593.
- Zaluts'kiy, I. I., Kryp'lyakovych, P. I. - The EuAl<sub>4</sub> compound and its crystal structure. p. 597.
- Tsaluk, M. I. U., Protsasov, V. S. - Crystal structure of ternary FeCoAl and SnAl compounds. p. 599.
- Gladyshev's'kiy, E. I., Bodak, O. I. - Compounds with the AlB<sub>2</sub>-type structures in the system Co - Ni - Si and related systems. p. 601.
- Tsyryl'nykov, A. S., Ier'omin, I. I. A., Mikhechenko, V. F. - Structure of the working face area of a coal seam. p. 605.
- Shokhot, L. A. - Application of pulse methods for the approximate analysis of differential equations with a delayed argument. p. 608.
- Kruhlyts'kiy, M. M., Ovcharenko, F. D., Tratinik, V. I. U. - Structure-forming processes in stabilized aqueous dispersions of polyorgano-silico-montmorillonite clays. p. 612.
- Deinaha, I. U. F. - Effect of interelectrode compression of the structure of plastic lubricants. p. 615.
- Deilmars'kiy, I. U. K., Zarubyts'kiy, O. H. - Polarography of sodium bisulfide with alkali melt as the support. p. 619.
- Komar, N. P., Nhen Tin' Zung. - Relation between equilibrium concentrations of H<sup>+</sup> and OH<sup>-</sup> ions and the activity of the H<sup>+</sup> ion. p. 622.
- Danilov, V. I., and others. - Statistical analysis of a protein text. p. 627.
- Pavliuk, I. M. - Amino acid composition of mucoproteins of the rumen contents in cattle. p. 630.
- Alent'ev, O. O., and others. - Increase in the chemical stability of enamels by treatment with organosilicon compounds. p. 634.
- Semenenko, V. M., Shermela, V. H. - Ostracods of the Kuyalnik stage of the Black Sea basin. p. 637.
- Ladyzhens'kiy, M. R., Plotnikov, A. M., Iordits'evych V. A. - Sulfur on the Dzhan-Tepe mud volcano (Kerch Peninsula). p. 640.
- Veklych, M. P. - Methods for studying the geological sections of the Quaternary of the Ukrainian S.S.R. p. 643.
- Bilokrys, L. S. - Ingulats deposit of Rodophyceae. p. 649.
- Rabokon', S. M., Rlabenko, V. A. - Copper-nickel in the ore manifestations in the basic rocks of the Sob basin. p. 649.
- Lina's'ka, L. V., Danylovych, L. H. - Composition of Paleogene conglomerates in the Magura zone in the vicinity of Perechyn (Transcarpathia). p. 653.
- Danysh, V. V., Sovchuk, I. A. V. - Age of flysch acidiments in the southern slope of the Uzhok Pass (Ukrainian Carpathians). p. 654.
- Bachyn's'kiy, H. O. - Taphonomic characteristics of fossil land vertebrates in the Sinalkovo and Tarkhankut cave deposits. p. 658.
- Pollankin, M. I. A. - Characteristics of the structure of intragranular lobular and segmentary blood vessels of the human spleen. p. 662.
- Akharkov, H. B., Boichenko, I. N. - Neural structures of the human kidneys. p. 666.
- Antypchuk, I. U. P. - Morphological changes in the capillary system of the lungs under normal and pathological conditions. p. 669.
- Senyk, H. P. - New form of mole of the Ukrainian Carpathians. p. 674.
- Development of scientific research in the field of physics in the universities of the Ukrainian S.S.R. p. 677.
- Present state and future development of scientific research in the Laboratory of Biophysics of the Institute of Radiophysics and Electronics of the Academy of Sciences of the Ukrainian S.S.R. p. 678.
- Structural changes and improvement in scientific character of the Kharkov Branch of the Institute of Mechanics of the Academy of Sciences of the Ukrainian S.S.R. p. 679.
- AKADEMIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports]. Minsk, vol. 9, no. 2, Feb. 1965.**
- Table of contents translated:
- Krytov, V. I., Ivanovich, I. A. - Accuracy of the approximation of periodic analytic functions by interpolation trigonometric polynomials with equidistant nodes. p. 73.
- Lambina, E. N. - Matrix elements of irreducible unitary representations of a K<sub>n</sub> group of orthogonal matrices in n-dimensional Euclidean space. p. 77.
- Akhverdov, I. N., Luksha, L. K. - On the theory of the strength of brittle bodies. p. 82.
- Makoveichik, G. I., Sirota, N. N. - Electroconductivity, thermo- $\alpha$ , m. f., and width of the forbidden band in manganese selenide and telluride alloys. p. 86.
- Ivanitskaya, O. S. - Local invariance and the generalization of inhomogeneous Lorentz transformations. p. 88.
- Konovarov, E. G., Dovgiallo, I. G., Romizovskii, E. I. - Effect of high-frequency vibrations on the process of static torsion of some metals and alloys. p. 91.
- Makharovich, A. I. - Use of the method of collective recrystallization in growing aluminum single crystals. p. 94.
- Azarnovskaya, M. M., and others. - Condensation of 1,3-cyclohexadiene with some ethylene dienophiles. p. 97.
- Gorelik, Z. A. - Time and cause of the formation of the Polesye Lowland. p. 101.
- Bogomolov, G. V., Plotnikova, G. N., Titova, E. A. - Silica in the underground waters of some foreign countries. p. 106.
- Lukashov, K. I., Sachok, G. I., Lukashov, V. K. - Statistical indexes of the content of chemical elements in the cover sediments of White Russian Polesye. p. 108.
- Shecherbins, V. N., Zaitseva, N. V. - Composition of refractory clays of Stalin District in the White Russian S.S.R. p. 111.
- Troter, V. N., Skorynin, I. U. V., Shostakov, V. M. - Prediction of machine and tool elements reliability based on the change in efficiency rating under different operating conditions. p. 115.
- Bobovich, V. P., Konev, S. V. - Tyrosine-tryptophan energy migration in protein molecules. p. 118.
- Smol'skiy, V. V., Bibikova, V. F. - Prolonged preservation of the pollen of Ulcea as related to their hybridization. p. 122.
- Bulakov, P. A., Polkovskiy, V. A. - Reproduction of Bacillus subtilis phage in a noncellular bacterial medium. p. 125.
- Malosheko, I. V., Veher, A. S. - Changes in the content of phosphorus compounds, total and protein nitrogen in ripening lupine seed germs. p. 127.
- Boiko, V. A. - Manganese content in the blood of children with leukemia. p. 131.
- Gonecharik, M. N., Marshakova, M. I., Rusotskaya, L. P. - Characteristics of the translocation of assimilates in potato plants. p. 133.

Tserkovskaya, L. S. - Age-related morphology of the nerve apparatus of the lower section of female unilaminar canals; the first nerve fiber component. p. 136

EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduslik Akadeemia [Academy of Sciences of the Estonian S.S.R.]. Tallinn, nos. 1-2, Jan-Apr. 1965 [In Estonian]

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademika nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 4, Apr. 1965. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politinio mokslu zinatiniu draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no. 5(92), May 1965. [In Lithuanian]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizicheskaya geografiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]. Moscow, vol. 16, no. 5, May 1965.

PIIRODA [NATURE]. Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 54, no. 4, Apr. 1965.

Table of contents translated:  
 Otdenberg, S. F. - An urgent task. p. 3  
 Gorbunov, N. P. - The road to the new earth. p. 4  
 Fersman, A. E. - These words proved to be prophetic. p. 5  
 Mushkatov, D. I. - Inexhaustible source of knowledge and energy. p. 6  
 Gubkin, I. M. - Il'ich's decisive aid. p. 6  
 Pavlovich, M. P. - The project of the world atlas. p. 7  
 Russel, B. - The Lenin age. p. 7  
 Goode, W. T. - First objective evidence. p. 8  
 D. I. Mendeleev Gold Medal. p. 8  
 Keldysh, M. V., and others. - Unprecedented scientific experiment in outer space, press conference on the new outstanding achievement of the Soviet people in mastering outer space and the interview with the astronauts P. I. Beliaev and A. A. Leonov, who were the first to achieve the exit of man into space from the spaceship "Voskhod 2." p. 9  
 Arslanovich, L. A. - Physics of very hot plasma. p. 17  
 Kuzin, A. M. - Gamma rays and fertility. p. 21  
 Parini, V. P. - Secret of color. p. 32  
 Grunland, I., Chapchinska, B. - Structure of matter and the sense of smell. p. 41  
 Antipov, V. V., Nikitin, M. D., Saksonov, P. P. - On the route from earth to moon; biological evaluation of the radiation danger of space flight. p. 46  
 Andronkov, V. L. - Population, food and the earth. p. 54  
 Alikhanov, E. N. - Treasures of Azerbaijan; oil and gas from Mesozoic deposits. p. 64  
 Drozdov, N. N. - Animal world of a sand desert. p. 71  
 Mal'tsev, N. A. - Thermal motions in living protoplasm. p. 78  
 Uspenskii, S. M., Chernavskii, F. B. - "Maternity home" of polar bears, winter lairs on Vrangeli Island. p. 81  
 Afitskii, A. I. - Straight Noric ammonoids on the Chukchi Peninsula. p. 87  
 Rashkevich, N. A. - Amur River and Amur Valley. p. 91  
 Kozlov, V. V., Sulids-Kondrat'ev, E. D. - In the Syrian Desert. p. 97  
 Smuglyi, S. I. - Fables instead of facts, more on the "snowman." p. 103  
 Perezhman, A. I. - A valuable work; "Mineral waters" by A. M. Ovechinnikov. p. 104  
 Iskrin, M. G. - Bioelement arsenic. p. 105  
 Ivanchenko, A. L., Tomilin, A. G. - Can dolphins speak? p. 106  
 Kriukova, L. M. - Genetics at a new stage. p. 108  
 Vilenkin, B. I. A. - Congress of the Hydrobiological Society. p. 111  
 Vladimirov, S. V. - New installation for the desalination of water. p. 112  
 Glezar, G. A. - Laureate of the "Golden Stethoscope." p. 114  
 Zafetaev, V. S. - Outstanding ornithologist. p. 115  
 Plants as "ore experts." p. 117  
 Kogan, I. A. B. - Lenin's ideas on the electrification of the whole country; "On electrification" by V. I. Lenin. p. 120  
 Fedchuk, I. P. - Complicated subject made popular, "New developments in chemistry." p. 121  
 Rybin, A. I. - Legend of the vanished island; "Atlantis" by N. F. Zhirnov. p. 122

Gladkov, N. A. - Where the Balkan waves are lapping, "In the mountains of the northern Late Balkan region" by O. K. Gusev. p. 124

Blanki, V. B. - The spring of light in the Kandalaksha area. p. 125

Balmeva, T. F., Sidorchenko, T. V. - Winter of 1964-1965 in the northern hemisphere. p. 126

Vol 54, no 5, May 1965

Table of contents translated:  
 Komarov, V. L., and others. - Together with the people and the heroic army. p. 2  
 Artobolevskii, I. I., Chekanov, A. A. - Beacon light of Russian science, 200th anniversary of M. V. Lomonosov's death. p. 10  
 Engel'gardt, V. A. - Study of the phenomena of life on lifeless objects. p. 17  
 Prokof'eva-Bel'govskaya, A. A. - Chromosomes and the organism. p. 20  
 Kiselev, L. L. - How proteins are formed. p. 27  
 Georgiev, G. P. - Biosynthesis of nucleic acids. p. 32  
 Prokhorov, A. M. - Quantum electronics. p. 37  
 Basov, N. G. - Semiconductor quantum generators. p. 42  
 Sviatlovskii, A. E. - Shiveluch Volcano has waked up again. p. 50  
 Reidler, M. M. - Stress, extreme tension of the organism, its causes and prevention. p. 51  
 Markov, K. K. - Space and time in geography. p. 56  
 Zhukov, F. A. - Conditioned reflexes and swine raising. p. 62  
 Koval'skii, V. V., and others. - Cobalt in fish culture: biogenic migration of chemical elements in ponds. p. 69  
 Zvaginsev, O. E. - Second birth of ruthenium. p. 71  
 Partesheko, V. G. - Biological value of sunflower oil. p. 74  
 Ponomarevskii, A. M. - At the very shore of the Black Sea; Kara-Dag biological station. p. 76  
 Stepanov, V. M. - Cause of the "suicide" of whales. p. 78  
 Orlov, V. I. - Conquest of the West Siberian Plain; a map of the dynamics of nature. p. 79  
 Life:  
 Prima, G. I. A. - The concept of protein cannot be excluded from the definition of life. p. 86  
 Lashin, A. V. - Is the definition of Engels outdated? p. 87  
 Ivanov, E. A. - Questionable and unquestionable. p. 88  
 Ermolova, L. A. - The concept of life should reflect the new level of modern natural sciences. p. 89  
 Ananin, A. P. - What should be defined more precisely? p. 91  
 Meeting with Laperouse. p. 92  
 Pavlov, B. P. - Waterway from the Arctic to the Pacific Ocean, forgotten instructions of A. A. Vinitsyn given in 1897. p. 94  
 Naumov, D. V., Iablokov, A. V. - Across the reserves of India. p. 95  
 Peret, I. U. G. - Pioneer of extragalactic astronomy, K. Lundmark and his exploration of the world of stars. p. 106  
 Miznarev, K. M. - Karst gold placers. p. 108  
 Arabadzhi, V. I. - Perception of the "golden section." p. 108  
 Skuratov, F. M. - Lilac garden. p. 109  
 Gilkin, B. M. - How to keep the water temperature constant. p. 112  
 Petrov, E. M. - Cosmic engines of the future. p. 113  
 Chernov, A. A. - Submarine "Diogenes." p. 117  
 Sukachev, V. N., Leont'ev, O. I., Voskresenskii, S. S. - Founder of historical geography. p. 110  
 Smirnov, N. F. - Spring in central Siberia. p. 126  
 Galakhov, N. N. - Phenology of plants in literature. p. 127

REFERATIVNYI ZhURNAL: KIBERNETIKA [JOURNAL OF ABSTRACTS: CYBERNETICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

#### b. ASTRONOMY

AKADEMIA NAUK KAZAKHSTANSSKOI SSR, Alma-Ata, Astrofizicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Astrophysical Institute. Transactions]. Alma-Ata, vol. 6, 1965.  
 Contents: Livshits, G. Sh. [Light scattering in the atmosphere] *Rassvetlenie sveta v atmosfere*, Pt. 1. 178 p.

AKADEMIA NAUK SSSR, Komissiya po fizike planet. Izvestiya [ACADEMY OF SCIENCES OF THE U.S.S.R. Committee on the Physics of Planets. Bulletin]. Kharkov, no. 4, Aug. 1963.  
 Table of contents translated:  
 Troitskii, V. S. - Some results of a study of the moon by radiophysical methods. p. 3

Khodak, I. U. A. - Principal structural elements of the moon and the geographical and geological methods of studying them. p. 10  
 Sharonov, V. V. - Experience gained from a comparison of the indicators of scattering of the lunar surface and the telluric pyroclastic covering. p. 24  
 Mironov, M. N. - Spectral characteristics of the crater Aristarchus and its surroundings. p. 28  
 Priboeva, N. V. - Photoelectric spectrophotometry of Mars near opposition in 1963. p. 31  
 Morozhenko, A. V., Koval', I. K. - Degree of smoothness of the Martian deserts. p. 38  
 Maeva, S. V. - Possibility of the heating of bodies of the size of asteroids by long-lived radioactive elements. p. 40

\*ASTRONOMICHESKII ZhURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 42, no. 3, May-June 1965.

Table of contents translated:  
 Mustel', E. R. - Role of active regions in the formation of quasi-stationary corpuscular streams from the sun. p. 473  
 Gnevyshev, M. N. - The 11-year cycle in solar radio-frequency radiation. p. 480  
 Troshnikov, R. S. - Possible interpretation of the solar activity cycle. p. 494  
 Obrisko, V. N. - Formation of the solar absorption line with a split upper level in a magnetic field. p. 502  
 Gulaev, R. A., Vinnikova, T. L. - Use of an electronic computer in calculating the relative population of atomic energy levels. p. 509  
 Pikel'ner, S. B. - Spiral arms and interacting galaxies. p. 515  
 Baier, A. Kh., and others. - Observations of radio emission sources at wavelengths of 3.3 cm. and 0.8 cm. p. 527  
 Kuril'nik, V. N., Sytsko, G. A. - Radio radiation from galaxies at the wavelength of 32 cm. p. 531  
 Kostinova, E. B. - Distances between star clouds of the Milky Way and the spiral structure of galaxies. p. 537  
 Khromov, G. S. - Neutral oxygen lines in planetary nebulae. p. 543  
 Podstignach, T. S., Kaplan, S. A. - Parameters of shock waves in a partially ionized gas. p. 552  
 Varshavich, D. A. - Atomic and molecular orientation by resonance radiation in outer space. p. 557  
 Gelling, A. V. - Hydromagnetic waves in a nonisotropic medium in the presence of a gravitational field. p. 568  
 Petrovskaya, I. V. - Structure of a spherical stellar system with a quasi-stationary nucleus. p. 572  
 Shatsova, R. B. - Planck stellar velocity distribution. Part 2. p. 581  
 Tabachnik, V. M., Shul'berg, A. M. - Use of electronic computers in determining the orbital elements of eclipsing binaries (total and annular eclipses). p. 590  
 Clark, B. G., Kuz'min, A. D. - Measuring the polarization and brightness temperature distribution of Venus at a wavelength of 10.6 cm. p. 595  
 Bazellan, L. L., and others. - Study of the spectra of discrete cosmic radio emission sources at frequencies below 40 Mc. p. 618  
 Naumov, A. P., Khizmatov, I. P. - Heat radiation of Jupiter. p. 620  
 Vsekhislavskii, S. K. - Nature of changes on the surface of Jupiter. p. 630  
 Divari, N. B. - Contribution of the dust cloud surrounding the earth to the brightness of the zodiacal light and the F-corona. p. 645  
 Sazonov, B. I. - The sun-troposphere relationship. p. 653  
 Flalko, E. I. - Determinability of the index from the distribution of the durations of unstable meteor radio echoes. p. 656  
 Babadzhanov, P. B., Kramer, E. N. - Preliminary results of photographing meteors by the instantaneous exposure method. p. 660  
 Kulikov, K. A. - System of astronomical constants. p. 666  
 Kanaev, I. I. - Observations of trigonometric parallaxes with the 26-inch refractor at Pulkovo observatory. p. 669  
 Sholomitskii, G. B. - Fluctuations in the CTAL02 flux at the wavelength of 32.5 cm. p. 673  
 Koltin, I. U. F., Sholomitskii, G. B. - Radio emission from clusters of galaxies. p. 674  
 Aleksandrov, E. B. - Astrophysical proof of the second postulate of the special theory of relativity. p. 678  
 Brazhnikova, E. F., Babinchuk, S. V. - Characteristics of the position of periastrons of spectral binary orbits. p. 678  
 Andrianov, N. S. - Technique of radio measurements of the radiants, velocities, and altitudes of individual meteors in the case of inclined propagation. p. 679  
 Makarov, E. A. - Results of a study of the continuous solar spectrum in the region of 3100 Å - 6800 Å. p. 681  
 Pskovskii, I. U. - Radio source 3C 386, residue of a supernova? p. 683

PEREMENNYE ZVEZDY [VARIABLE STARS]. Published by Astronomicheskii soviet Akademii nauk SSSR [Astronomical Council of the Academy of Sciences of the U.S.S.R.], Moscow, vol. 11, no. 6(114), Dec. 1963.

Table of contents translated:  
Efremov, I. U. N. - Plenum of the Committee on Variable Stars of the Astronomical Council of the Academy of Sciences of the U.S.S.R. p. 441.  
Efremov, I. U. N. - Brief summary of present-day data on the period - luminosity relation. p. 444  
Kurochkin, N. E. - New stars of RR Lyrae type near the cluster M 15 p. 457  
Mandel', O. E. - Three stars of RR Lyrae type p. 465.  
Koshkina, L. N. - Six long-period Cepheids. p. 471.  
Azarnova, T. A. - Andromedae p. 485.  
Abdov, Z. - Period of VZ Cygni p. 493  
Streikova, E. P. - Visual observations of V V Pegasi. p. 501.

Länge, G. A., Migach, I. U. E. - Period of AQ Lyrae, p. 502  
Chupilko, V. A. - Moments of minima of eclipsing variables p. 503.  
Azarnova, T. A. - Maxima of eight variable stars p. 504.  
Kufal', G. E. - Two variable stars p. 506.  
Tsevevich, V. P., Mandel', O. E. - AE Virginis, an RR Lyrae type star p. 510.  
Karetnikov, V. G., Karetnikov, V. G. - The eclipsing binary TV Cassiopeiae p. 513  
Aliev, A. A. - The variable star Bamberg 63 p. 517.

REFERATIVNYI ZHURNAL' ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ASTRONOMY (Separate Issue 51)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 6, June 1965

REFERATIVNYI ZHURNAL' GEODEZIYA (Otdel'nyi vypusk 52) [JOURNAL OF GEODESY (Separate Issue 52)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 6, June 1965.

REFERATIVNYI ZHURNAL' ISSLEDOVANIE KOSMICHESKOGO PROSTRANSTVA (Otdel'nyi vypusk 62) [JOURNAL OF ASTRONOMY (Separate Issue 62)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 6, June 1965.

\*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestia vysshikh uchebnykh zavedenii; geodeziia i aerofotoemka [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Geodesy and Aerial Photography], Moscow, no. 5, 1964.

Table of contents translated:  
Gan'shin, V. N. - Geometry of normal sections of the earth ellipsoid in connection with the solution of geodetic problems p. 3.  
Akulov, V. I. - Evaluating the accuracy of linear measurements in the adjustment of traverses p. 12.  
Beliaev, B. I. - Net adjustment in groups by successively expanding corrections according to the absolute terms of conditional equations. p. 19.  
Kondrashov, A. V., Rytynskii, M. V. - Reduction to station centers of lines measured with electro-optical geodimeters. p. 33.  
Larin, P. I. - Research work in a comparator. p. 37.  
Tishchenko, A. P. - Relationship between the convergence rate of the degree of escapement and the conditions of matrix coefficients in normal equations p. 44.  
Karpenko, V. A. - Analyzing the accuracy of the precision leveling of ShS-1000 conveyor supports. p. 47.  
Bronstein, G. S. - Effect of the errors in the starting data on the results of adjustment p. 51  
Mogil'nyi, S. G. - Evaluating approximate methods for adjusting geodetic measurements p. 57.  
Muralev, I. A. G. - Integral formulas for a triangulated strip projected onto a nonequidistant surface approximating the reference ellipsoid p. 66  
Lobanov, A. N., Pukhorak, V. K., Dubnovskii, V. D. - Programmed teaching and the use of teaching machines in photogrammetry. p. 75.  
Stekachinskii, N. P. - Making diapositives for a multiplex p. 83.  
Davydov, E. A. - Concerning the properties of aerial photographs taken on photo-semiconductor layers. p. 87.  
Pavlov, A. A. - Converting coordinates from one projection to another. p. 90.  
Frolov, I. U. S. - Comparative evaluation of cartographic projections. p. 96.  
Losakov, N. N. - Concerning the use of aerial photographs in drawing rocks. p. 104.

Muchnikov, V. M. - Approximate method for investigating relaxation processes. p. 106  
Naumov, A. V. - Cost of cartographic production and some problems in planning and accounting. p. 117  
Litvinov, B. A. - More about the distribution of errors in traverse nets. p. 119.  
Pavlov, F. F. - Concerning the article of B. A. Litvinov "More about the distribution of errors in traverse nets" p. 122  
Popova, E. V. - Approximate method for adjusting geodetic control nets plotted according to the method of intersections. p. 124

### c. BIOLOGY

AKADEMIIA MEDITSINSKIIH NAUK SSSR, Moscow, Sovremennyye metody v biokhimi [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Modern Methods in Biochemistry], Moscow, vol. 1, 1964.

Table of contents translated:  
Shpikler, V. O. - Methods for studying biopolymers with the help of analytic ultracentrifuge. p. 5  
Glindman, L. M. - Chromatography of proteins on ion exchangers and fractionation of mixtures, containing proteins, on columns with cephadex p. 37  
Gurvich, A. E. - Obtaining pure antibodies and determining absolute quantities of antibodies in sera with the help of antigens fixed on cellulose. p. 73.  
Uspenskaya, V. D. - Electrophoresis of proteins in a starch block p. 87  
Gurvich, A. E. - Paper electrophoresis of serum. p. 110.  
Kosliukovskaya, O. M. - Determination of glycoproteins in electrophoretic fractions of the blood serum p. 123.  
Aleksenko, L. P. - Amino acid analysis of proteins, tissue extracts and biological fluids. p. 129.  
Paskina, T. S. - Quantitative determination of amino acids with the help of paper chromatography p. 142.  
Troitskaya, O. V. - Determination of terminal amino acids in proteins p. 181  
Tikhonenko, T. I. - Ion-exchange chromatography of nucleic acids and their components. p. 198  
Tongur, V. S., Vladychenskaya, N. S. - Isolation of RNA and DNA by Kirby-Georgiev phenol method p. 222  
Spitskovskii, D. M. - Characteristics of nucleic acid preparations. Determination of molecular weight of DNA based on its characteristic viscosity. p. 229.  
Vanushin, B. F. - Determination of the nucleotide composition of nucleic acids. p. 236.  
Gorkin, V. Z. - Separation on ionites and purification of adenosine and inosine 5'-phosphate esters. p. 250  
Vyshepan, E. D., Ivanova, K. I. - Obtaining polynucleotide phosphorylase from Azotobacter vinelandii and polynucleotide synthesis. p. 259.  
Shapov, V. S., Chudinova, L. A., Kuchanova, G. D. - Methods of isolating and determining the activity of nucleases. p. 267.  
Shlygin, G. K. - Enterokinase determination as a test for evaluating the state of the intestine. p. 282.  
Fomina, L. S. - Determination of intestinal alkaline phosphatase. p. 292  
Shlygin, G. K., Fomina, L. S., Pavlova, Z. M. - Methods of determining pancreatic lipase. p. 298.  
Tovarnitskii, V. I. - Method for determining aldolase in blood serum p. 303.  
Gorodetskii, V. K. - Enzymatic method of the quantitative determination of glucose in the blood by means of the native glucose oxidase preparation. p. 311  
Krekhova, M. A. - Method of isolation and determination of the activity of  $\beta$ -glucuronidase. p. 318  
Tsvetkova, I. V., Kozina, A. B. - Method of isolation of N-acetylneuraminic acid from blood serum proteins. p. 322.  
Krekhova, M. A. - Determining the quantity of 17-oxy corticosteroids of urine. p. 334.  
Pankov, I. U. A. - Method of determining 17-oxy corticosteroids in peripheral blood plasma. p. 341.

AKADEMIIA NAUK ARMIAANSKOI SSR, Yerevan, Izvestia, Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin, Biological Sciences], Yerevan, vol. 18, no. 1, Jan. 1965.

Table of contents translated:  
Teterovskaya-Babalan, D. N. - Essay on the mycoflora of the Ararat Plain. p. 3.  
Simonian, S. A. - Materials on the mycoflora of Megri District of the Armenian S.S.R. p. 15.  
Iablakov-Khuzorian, S. M. - Larvae of two ground beetle species of the Armenian S.S.R. (Coleoptera, Carabidae) p. 29.  
Aginian, A. A., Minasian, S. M. - Change in biochemical properties of seeds in embryogenesis as related to their vernalization. p. 35.  
Oganesian, S. G. - Susceptibility of simple and complex wheat hybrids to loose smut. p. 41.

Ananian, A. A., Tarasova, E. O. - Change in biochemical characters of tomatoes as a result of complex intervarietal hybridization. p. 47.  
Mutafian, E. M. - Embryological study of the fertilization process of pepper following different modes of pollination p. 55.  
Ananian, V. L., Matiosian, G. M. - Beta-radiation activity of plants in various districts of Armenia. p. 63.  
Manusadzhian, V. G. - Use of mass spectrometry in biology and biochemistry. p. 69  
Mkhitian, V. G., Astvatsatryan, S. A. - Effect of chlorophyll on the catalytic activity. p. 79.  
Safrazbekian, R. R. - Serotonin (5-OH) participation in the activity of the peripheral nervous system p. 85.

Karalian, G. A., and others. - Some biochemical indices in thyrotoxicoses p. 91.  
Sakanian, S. Sh., Kostanian, A. A. - Role of the cerebral cortex in the development of postvaccinal immunity p. 97.

Vol 18, no 2, Feb 1965.

Table of contents translated:  
Chailakhan, M. Kh., Saikisov, M. M. - Aftereffect of gibberellin on fruiting of the grapevine. p. 3  
Galaichian, R. M. - Effect of tumorigenic metabolism on the growth and development of higher plants. p. 11.  
Agadzhanian, A. M. - Effect of planting time and seed quality on the yield of cauliflower p. 21.  
Oganesian, R. A. - Effect of the state of the pollen of various ages on the pea progeny formation under different soil and climate conditions. p. 31.  
Narinian, S. G., Della-Rossa, R. G., Voskanian, V. E. - Effect of ultraviolet irradiation on the growth of plants and the pigment content of plastids under the conditions of the Mount Aragats. p. 37.  
Mukidzhianian, I. A. I., Tsaturian, G. M. - Turkish hazel (Corylus colurna L.) in Armenia. p. 41.  
Avetisyan, V. E., Manakian, V. A. - Carpology of Dipteryocarpaceae arctica (Fisch.) Trautv. as related to heterocarpia. p. 47.  
Chubarian, F. A. - Change in some indices of protein metabolism in experimental sheep and rabbit fascioliasis and the normalizing role of vitamin A. p. 57.  
Burlukova, E. V., Karagullian, E. A., Kol's, O. R. - Study of electrical parameters of the skin preserved by deep freezing. p. 69.  
Sarkisian, S. A. - Electron microscopic study of Entamoeba invadens, Rodhain, 1934. p. 73  
Martirosian, S. N. - Materials on the study of Polyovaceae in the Armenian S.S.R. p. 78.  
Gaihibian, Z. M. - Electromechanical activity of the heart following tonsillectomy. p. 87.  
Galstian, A. A. - Study of the duration of heart tones in healthy children. p. 93.

Vol. 18, no. 3, Mar. 1965.

Table of contents translated:  
Sarukhianian, F. G., and others. - Biological characteristics of Saccharomyces cerevisiae var. armeniensis and its practical significance. p. 3.  
Nalbandian, A. D. - Determination of the antagonism in micro-organisms with the help of colloidal capsules. p. 11.  
Samvoelian, V. N. - Pharmacological characteristics of diethylaminopropyl ether of diethylpropoxyacetic acid. p. 16.  
Nersesian, R. R. - Effect of  $\gamma$ -aminobutyric acid on some aspects of the carbohydrate metabolism in the brain and liver of the chick embryo. p. 21.  
Stepanian, E. D., Petrosian, R. A. - Effect of fractional irradiation on the absorptive and antibody-forming function of the reticuloendothelial system. p. 27.  
Akopian, P. N. - Some problems of using fertilizers in districts of the Sevan basin. p. 35.  
Simonian, E. G. - Microsporogenesis in Triticum timopheevi. p. 44.  
Ervandian, S. G. - Nature of the morphogenetic processes in potatoes. p. 50.  
Negru, Alexandru, Moscu, Sandor. - New and rare species of fungi found in the Mogos peat bogs of the Romanian People's Republic. p. 57.  
Moshkumian, S. K. - Cattle from the Aeneolithide site of the Shongavit village and Bronze Age burials in the Lchashon village (Armenian S.S.R.), p. 64.  
Avetisyan, G. A. - Supplement to the list of fleas of the Armenian S.S.R. p. 75.  
Grigorian, R. A. - Caucasian pine Pinus kochiana Klotzsch in the forests of Sharmehadin. p. 81.  
Tamalian, N. N. - New taxa of diatom algae of the Armenian S.S.R. p. 87.  
Pogossian, A. I. - Analysis of the karyotype of Agapanthus umbellatus L'Hort (Amaryllidaceae), p. 90.  
Parandanian, R. S., Lalalian, A. A. - Levon Andreevich Oganesian on his 60th birthday. p. 94.



Vol 18, no 4, Apr 1985

- Table of contents translated:  
 Oganessian, A.S., Demirchian, A.A. - Interrelationship between insulin and atheroprotein in the process of glucose transport p.3  
 Mkhelani, E.E. - Shifts in carbohydrate metabolism of the brain following extirpation of superior cervical sympathetic ganglia p.9  
 Khidiroglu, Sh.A. - Innervation of cerebral capillaries p.16  
 Arutunian, R.A. - Effects of whole-body X-ray irradiation on the erythropoietic activity of the blood in anemized animals p.22  
 Chilingarian, A.G. - Effect of molybdenum on peripheral choline- and adrenergic systems in the organism p.29  
 Kamalian, V.Sh. - Relation between the sex of the offspring and the change in fatness of parental organisms p.37  
 Stepanian, M.A., Khushudian, P.A. - Pine cultivation on bare bottom soils of Lake Sevan p.44  
 Oganova, S.L. - Mineral composition of hay of mountain meadows p.58  
 Sarkislan, S.A. - Study of the fine structure of Entamoeba moshkovskii, Chalaya, 1941. p.63  
 Ogandzhanyan, A.M., Martirosian, B.A. - Occurrence of the tick Haemaphysalis warburtoni Nutt. (Acarina, Ixodidae) in Armenia p.69  
 Adamian, M.S., Leonovich, V.E. - Occurrence of the Caucasian crossbill *Loxia curvirostra caucasica* But. in the Armenian S.S.R. p.73  
 Tigranian, E.A. - Whitefish spawning grounds in Lake Sevan. p.78  
 Mednikan, G.A. - N.P. Kravkov; his life and scientific activity (the 100th anniversary of his birth) p.82  
 Demirochoglian, G.G. - Second symposium on problems of electroradiography in Erivan p.90

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, Izvestiya, Seriya biologicheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin, Series in the Biological Sciences], Baku, no.1, 1985.

- Table of contents translated:  
 Abutalybov, M.G., Rakhmanova, S. - Effect of phosphorus, magnesium, potassium and calcium on the outflow of sugars from leaves and on their translocation in the bark of a stem. p.3  
 Kapinos, G.E. - Cytogenetic analysis of the sterility in *Crocus sativus* L. p.15  
 Aliev, D.A. - Overgrowth of rivers in Lenkoran Lowland. p.25  
 Kuliev, A.M., Kononenko, A.V. - Some data on shortening the vegetative period in the cotton plant. p.29  
 Abdinbekova, A.A. - Additional information on Ichneumon flies of Ichneumonidae and Braconidae families in the Nukha-Zakataly zone of Azerbaijan. p.39  
 Aliev, S.V., Kulieva, A.M. - Parasites and predatory insects of the cotton bollworm in Azerbaijan. p.46  
 Abdullaeva, Sh.IU. - Biology and ecology of the gamma moth *Phytometra gamma* L. in eastern districts of Azerbaijan. p.55  
 Bogolavtinskii, IU.K. - Micromorphological and histochemical study of cover tissues of some *Strongylata* of the intestines. p.62  
 Ageev, B.M., Mamedov, F.F. - Marl in soils of Karabakh Lowland and its significance in the process of soil formation. p.69  
 Mirzolian, A.T. - Transformation of nitrogen compounds in the leaves of tea plant under different conditions of nitrogen nutrition. p.81  
 Gasanov, Sh.G. - Genesis of chestnut humus-sulfate soils in the Araks Valley. p.85  
 Mamedova, L.I. - Effect of the stimulation of stomach chemoreceptors by ascorbic acid on its content in the blood. p.93  
 Dzhabarova, Z.F. - Characteristics of the course of nitrogen metabolism in birds during the fall period as affected by iodine. p.100  
 Ashfarov, A.A. - Functional state of the vegetative nervous system in closed craniocerebral injuries (the concussion of the brain). p.104  
 Musaev, M.A. - First International Parasitological Congress. p.111.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut zoologii. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Zoology. Transactions], Baku, vol.24, 1985.

- Table of contents translated:  
 Musaev, M.A., Kochari, E.S. - Materials on spreading of toxoplasmosis among farm animals in Azerbaijan. p.3  
 Musaev, M.A., Alieva, F.K. - Coccidia in turkeys of the Kuba-Khachmas zone of Azerbaijan. p.13  
 Asadov, S.M. - Local focalization in the distribution of helminths among ruminants. p.27  
 Asadov, S.M., Kolesnichenko, M.L., Zaidova, U.G. - Study of the helminths of camels in Azerbaijan. p.35.

- Asadov, S.M., Melikov, IU.F. - Characteristics of the spreading of hydatid echinococcosis in domestic ruminants and swine in Azerbaijan. p.43  
 Asadov, S.M., Sadykhov, I.A. - Distribution of Anoplocephala in domestic ruminants of the Karabakh zone of Azerbaijan. p.63  
 Kolesnichenko, M.L. - Study of Trichostrongylidae in the abomasum of sheep and cattle of Azerbaijan. p.67  
 Sadykhov, I.A., Melikov, IU.F. - Economic loss in the animal husbandry of Azerbaijan caused by echinococcosis. p.72  
 Kasimov, G.B. - Basic results of the study of helminths in game birds of the order Gallinae. p.78  
 Kasimov, G.B., Feizullayev, N.A. - Helminths of birds (Galliformes, Columbiformes, Otidiformes, Ciconiiformes) in the Kura-Aras Lowland of Azerbaijan. p.85  
 Valdova, S.M. - Helminth fauna of piscivorous birds in the bodies of water of the Kura-Aras Lowland of Azerbaijan. p.99  
 Fouzullayev, N.A. - Helminths of gressorial birds of Azerbaijan as related to ecologic factors. p.109  
 Mikailov, T.K. - Fish parasitofauna in Varvara Reservoir. p.128  
 Kasimova, G.A. - Nematode fauna of vegetables and vine crops in the Buba-Khachmas zone of Azerbaijan. p.138  
 Gadzhiev, A.T., Abushev, F.A., Iuditskaya, S.I. - Gamasid mites in a natural focus of tularemia, plague and erysiploids of the Nakhichevan A.S.S.R. p.152  
 Mullarskaya, L.V. - Materials on studying chiggers in northeastern Azerbaijan. p.162  
 Abusalimov, N.S. - Ixodidae of birds, wild mammals and domestic animals of the Zakataly Preserve of the Azerbaijan S.S.R. p.183.

AKADEMIA NAUK KAZAKHSTANSKOI SSR, Alma-Ata, Izvestiya, Seriya biologicheskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin, Series in the Biological Sciences], Alma-Ata, vol.3, no.2, Mar.-Apr.1985.

- Table of contents translated:  
 Karagushleva, D. - Individual factors affecting the development of huminlike substances in a three-member complex. p.3  
 Sharoshkina, N.B., Koln, N.I. - Mineralogical characteristics of some Solonchaks soils in the eastern part of Ural'sk Province. p.9  
 Maledinov, A.N. - Sulfate reduction in the flooded soils of Kzyl-Orda Province. p.15  
 Shamis, D.L., and others. - Yeast *Schizosaccharomyces Pombe* in baking. p.20  
 Mikhailova, V.P., Lushpa, O.U. - Polygonum coriaria, a new forage plant. p.28  
 Khudalbergenov, A.B. - Development dynamics of the root systems of licorice in vitro during their first year of life. p.36  
 Tazhin, O.T. - Test results of some samples of a world collection of barley in Alma-Ata Province. p.44  
 Alamilazov, A.A., Uzenbaev, E.E. - Effect of irrigation methods on the transpiration intensity of cotton. p.52  
 Panin, V.I.A. - Epizootology and prophylaxis of elaphostomiasis in marals. p.58  
 Uvalieva, K.K. - Biology of terrestrial mollusks, carriers of helminthiasis in the southern Altai. p.64  
 Kolnova, M.I. - Reflex influences from the spleen receptors on the coronary blood circulation. p.72  
 Prokudin, A.V. - Chemical composition of the parotid saliva in lambs. p.77  
 Popkova, G.A. - Components of the sympathetic nervous system. p.83  
 Isaev, B.U. - Function of the thyroid gland in lambs. p.90  
 Bocharov, IU.S., Savitskii, V.F. - Frequency of spontaneous and radiation-induced chromosome aberrations in the marrow of mice of various ages. p.96  
 Borovskii, V.M. - International symposium on the soda-type salinization of soils. p.100.

AKADEMIA NAUK KAZAKHSTANSKOI SSR, Alma-Ata, Institut fiziologii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Physiology. Transactions], Alma-Ata, vol.6, 1985. Materials on extero- and interoceptive regulation of lymph circulation.

- Table of contents translated:  
 Potapov, I.A. - Role of the spinal cord in the regulation of lymph circulation. p.4  
 Kokhanina, M.I. - Reflex influences from the receptors of some internal organs on the lymph circulation. p.101  
 Beremzhanova, I.A. - Extero- and interoceptive influences on the lymph circulation in ontogeny. p.268.

AKADEMIA NAUK SSSR, Izvestiya, Seriya biologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Biological Series], Moscow, no.3, May-June 1985.

- Table of contents translated:  
 Eremin, A.V., and others. - Human capacity for work in weightlessness. p.329  
 Frank, G.M. - Some basic physical and physicochemical problems concerning muscle contraction. p.335  
 Nikolaev, G.M., Molodova, G.A., Ivanov, I.D. - Role of calcium ion in maintaining the conformation and active center of  $\alpha$ -amylase in *Aspergillus oryzae*. p.359  
 Udovenko, G.V. - Uptake, reutilization and some aspects of the physiological effect of chlorine in plants p.368  
 Aliev, M.M. - Electroencephalographic study of conditioned motor-defense reflex for time. p.378  
 Shaldurov, V.S. - Relation between the intensity of photosynthesis and temperature gradients. p.380  
 Liubimov, V.I., Loseva, L.P., L'vov, N.P. - Induced character of nitrogen-fixation enzymes in *Mycobacterium avium-absorptum* n.sp. p.392  
 Liubimov, V.I. - New data on the biochemistry of molecular nitrogen fixation by micro-organisms. p.394  
 Karasovich, IU.N. - Adaptation of the yeast *Torulopsis candida* to pentoses. p.398  
 Nikitin, D.I., Vasil'ova, L.V. - Fimbrine in soil micro-organisms. p.400  
 Zuev, G.V. - Characteristics of the mover position in Cephelopoda p.403  
 Luk'yanenko, V.I. - Interspecific differences in the rate of occurrence and content of serum lysozyme in fishes. p.409  
 Sorokin, IU.I. - Bacterial chemosynthesis in the Black Sea. p.413  
 Grushvitskii, I.V. - Effect of gibberellin on the seed germination and development of juvenile ginseng plants. p.423  
 Mazur, O.P., Shemakhanova, N.M. - Effect of forest soil on the development of annual seedlings of walnut. p.428  
 Zoz, N.N. - Variability of wheat induced by chemical mutagens. p.432  
 Naumova, L.N., Shulyndin, A.F. - Characteristics of the crossability of soft wheat with rye. p.437  
 Peregrypn, V.F., Gotaulak, V.D. - Biochemical characteristics of wheat resistance to brown rust. p.442  
 Kocherzhevskii, V.G. - More important results of 1984 and future development of the scientific research on problems of biology. p.448  
 Bulanovskaya, A.A. - Annual meeting of the Department of General Biology. p.458  
 Kocherzhevskii, V.G. - Control measures against the cotton wilt. p.463  
 Chailakhian, M.Kh. - Three weeks in Yugoslavia. p.467.

AKADEMIA NAUK SSSR, Institut fiziologii. Nauchnye soobshcheniya [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physiology, Scientific Reports], Moscow, no.3, 1985.

- Table of contents translated:  
 Alekseeva, M.S., Fedorov, V.K. - Effect of irradiation with small doses of  $Co^{60}$  in parental species on the higher nervous activity of rats in the first generation. p.1  
 Alekseevich, L.A., Ponomarenko, V.V., Smirnova, G.P. - Comparative genetic study of the characteristics of the higher nervous activity in chickens in crossbreeding. Report No.2: Study of the characteristics of nervous processes in reciprocal crossbreeding of the species *Australorp* and *Plymouth rocks*. p.8  
 Baranova, N.F., Belovintseva, M.F., Martynenko, M.P. - Two cases of development of compensatory phenomena in dogs during parathyroid insufficiency. p.12  
 Baru, A.V. - Effect of caffeine on the higher nervous activity in animals. p.16  
 Bolondinskii, V.K. - Results of using aminazine in the effect of pathological factors on the higher nervous activity p.21  
 Vavilova, N.M., and others. - Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. p.25  
 Danilova, L.K. - Effect of anodizing and cathodization on the brain. p.29  
 Degtiar', E.N. - Significance of the functional and sequential alteration of the stereotype in children of the pre-school age. p.33  
 Denisova, A.S., Malorov, F.P. - Analysis of the excitation of conditioned response under the effect of a very weak stimulant. p.35  
 Evgenov, D.N. - Comparative study of animal hypnosis in wild and domestic ducks. p.38  
 Isaeva, I.I. - Characteristics of the generalizing action of the reversing agent in children. p.41  
 Isaeva, I.I. - Materials on the characteristics of alimentary excitation (appetite) in dogs. p.43.



Kalina, M.K. - Changes in the conditioned response activity in rabbits under the combined effect of caffeine and choline. p.52

Kasimov, R.U., Marshin, Y.G. - Development of reaction to light stimuli in early ontogeny of some species of sturgeon fishes and their hybrids. p.55

Kassil', V.G. - Significance of gastric receptors for a differentiated alimentary behavior. p.59

Kislakov, V.A. - Conditioned statokinetic reflexes in dogs following extirpation of the temporal lobes of the cerebral cortex and labyrinthectomy. p.63

Korolev, V.I. - Role of the motor regions of the cerebral cortex in the compensation of lost functions of the analyzers in monkeys in ontogeny following exclusion of distant receptors and the vestibular apparatus. p.67

Krasuski, V.K., Rogovenko, E.S., Sokolova, E.V. - Concentration of caffeine in the blood plasma following its peroral and subcutaneous introduction. p.72

Kratin, I.U.G. - Changes in the primary response of the auditory zone of the cerebral cortex under the effect of sound of a long-interval rhythm. p.77

Kurstein, I.T., Iaroslavtseva, N.A. - Participation of the nervous system in the mechanism of the action of adrenocorticotrophic hormone on gastric glands. p.83

Kurstein, I.T., Iaroslavtseva, N.A. - Participation of the nervous system in the mechanism of the effect of cortisone on gastric glands. p.88

Kucherenko, T.M., Sofronov, N.S., TShobkillo, G.I. - Effect of chophylol on the conditioned response activity. p.91

Lebedeva, L.I. - Interceptive conditioned response from the uterus following extirpation of the premotor zone of the cerebral cortex in dogs under conditions of saturation with estrogen. p.95

Lebentrau, K.G. - Sex reflexes in monkeys following the exclusion of the peripheral ends of distant analyzers. p.99

Lobanova, L.V. - Materials on the problem of reflex reactions in decorticated mammals. Report No.1. Attempt of forming interceptive motor-defensive conditioned reflexes in dogs. p.103

Lopatina, N.G., Chesnokova, E.G. - Formation of a stereotype of conditioned alimentary reflexes in honeybees (*Apis mellifera* L.). p.107

Lukina, E.V. - Some characteristics of the behavior of wild and domesticated birds. p.110

Majorov, P.P., Firsav, L.A. - Physiological analysis of the so-called foresight in chimpanzees. p.112

Melikhova, E.F. - Successive inhibition following differentiation in dogs with various types of the nervous system. p.116

Movehan, N.P. - Effect of direct current poles on the saliva secretion in dogs. p.120

Nikitina, I.A. - Rate of the formation of a conditioned reflex depending on the intensity of the conditioned and nonconditioned stimulants in honeybees. p.123

Ponomarenko, V.V. - Study of the daily motor activity relating to the breed and individual characteristic properties of the higher nervous activity in chickens. p.126

Prazdnikova, N.V., Firsav, L.A. - Study of the cortical activity in children attending a music school. p.130

Rogovenko, E.S., Sokolova, E.V. - Determination of the content of caffeine in blood plasma. p.135

Sokolova, E.V. - Retardation as a test for the determination of the lability of nervous processes. p.137

Suvorov, N.F. - Formation of experimental neurosis in dogs resulting from simultaneous stimulation of the subcortex and the mechanoreceptors of the stomach. p.141

Shestynyl, A.I. - Physiological mechanisms of inadequate motions. p.146

Shestynyl, A.I. - Ultraparadoxal phase in the process of formation of differentiating inhibition in monkeys (capuchins). p.149

Tolchenova, G.A., Figurina, I.I. - Histological examination of the brain following the extirpation of the cerebral cortex in dogs. p.153

Toropova, N.V. - Formation of a conditioned motor reflex to a thermal stimulant in baby rats in the early postnatal period. p.167

Fedorov, Vikt.K. - Change in the conditioned reflex activity in mice depending on the degree of the alimentary excitability and age. p.180

Figurina, I.I. - Corpora geniculatum laterale and the visual cortex following enucleation in rats. p.184

Chebykin, D.A. - Behavior of animals as the expression of the reaction of the nervous system to the effect of conditioned stimulants. Based on experimental data on retarded motor reflexes in dogs. p.187

Shustin, N.A. - Effect of bilateral removal of the frontal lobes on retarded reflexes. p.170

AKADEMIA NAUK TURKMENSKOI SSR, Ashkhabad, Izvestia, Seria biologicheskikh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R., Bulletin, Series in the Biological Sciences]. Ashkhabad, no.1, 1965.

Table of contents translated:

Pollanskaya, L.A. - Ascorbic acid and carotene content in cotton varieties differing in their ripening time. p.3.

Palesko, N.B. - Effect of cinnamic acid on some physiological and biochemical processes in cotton. p.9

Bazanov, T.B. - Effect of gibberellic acid on some metabolic aspects in cotton under various conditions of nitrogen and phosphorus nutrition. p.17

Gubanov, I.A., Meshcherinov, A.A., Gladikh, A.S. - Content of saponins in the plants of Turkmenia (eastern and central Kopetdag). p.22

Zhuravleva, V.P., Timuk, O.E. - Sherry yeast in Turkmenia. p.38

Slizik, L.N. - Berberies of Turkmenia. p.41

Redzhepbaev, K. - Physical and moisture characteristics of some soils in the northern part of the Tedzhen Delta. p.48

Krasil'nikova, G.A. - Food specialization in caterpillars of the pyralid moths *Ectomyelois ceratoniae* Z. and *Euzophora puniceola* Moor. (Lepidoptera, Pyralidae). p.55

Bessmertnaya, R.E. - Benthos of a pond in the vicinity of the village of Tashkepi in the Murgab Valley. p.61

Kuliyev, P. - Nucleic acid content in the silk glands of mulberry silkworm (*Bombyx mori* L.) varieties differing in their productivity. p.70

Orazmukhomedov, A. - Use of various sources of moisture by dominant plant species in the lower Tedzhen Delta. p.74

Avanesova, T.S. - Effect of hemoglobin on the egg laying of *Ascaris suum* in vitro. p.76

Glebozdin, V.S. - Species of chicken coccidia and their effect on the growth and development of chicks. p.78

Charyev, R. - Sexual maturity of one-year-old carp (*Cyprinus carpio* L.). p.81

Shecherbinina, O.Kh. - Studying the Mallophaga of coots from the Kara Kum Canal region. p.83

Annaeva, E. - Biology and distribution of the lesser Turkmenian turtle dove (*Streptopelia senegalensis* ermanni Bonaparte) in the middle Amu Darya Valley. p.87

Shammakov, S., Markov, G. - Acarians on the lizards of western Turkmenia. p.91

Kadyrov, O.M. - Migration of the causative agent of sheep brucellosis to other animals in Turkmenistan. p.93

Fursova, M.F. - Biology of the cabbage aphid (*Brevicoryne brassicae* (L.)) in the lower reaches of the Murgab. p.96

Rabochov, I.S., and others. - Grigorii Il'ich Dolenko; an obituary. p.99

No.2, 1965.

Table of contents translated:

Rabochov, I.S. - Reshetkina, N.M. - New tasks in the field of improvement of saline soils. p.3

Lemaeva, A.M. - Role of photosynthetic intensity and productivity in the rate of ripening of fine-fiber cotton. p.8

Rustamov, I.G. - Materials on studying underground parts of some flatland phytocenoses in northwestern Turkmenia. p.15

Ishchenko, L.E. - Some biological characteristics of milk vetches in Turkmenia. p.24

Ovezmuradov, S.O., Ivanova, M.A. - Effect of light conditions on the controlled change in the hereditability of some forage plants. p.31

Bessmertny, V.E., Burdygina, V.S. - Ash elements and the productivity of field crops. p.39

Nilazov, O. - Characteristics of the underground water regimen in the zone of influence of the Karakum Canal of the Murgab Delta. p.45

Sukhinin, A.N., Tashitov, A.O. - Avifauna of Khauz-Khanna Reservoir and its banks in fall. p.51

Nepesova, M.G. - Biology of the cotton darkling beetle *Opatroides punctulatus* Brulle (Coleoptera, Tenebrionidae) and the description of its larva. p.57

Bel'skaya, G.S. - Ecology of the wheatear in Turkmenia. p.64

Ataev, T. - Ecology of bees (Hymenoptera, Apoidea) in the cultivated zone of the lower Murgab Valley. p.74

Annaev, G. - Erythromycin treatment of trachoma patients in rural therapeutic and prophylactic institutions. p.81

Komarov, N.G. - Story of the research of the Caspian Sea and its level in the Middle Ages. p.86

Ovezmuradov, B. - Safe passage and efficient use of flood waters of the Tedzhen River. p.90

Shecherbinina, O.Kh. - Fauna of birdlice of gulls. p.92

New academicians and member-correspondents of the Department of Biological Sciences of the Academy of Sciences of the Turkmen S.S.R. p.95

Rustamov, I.G. - First Intercollegiate Conference on Geobotanical Zoning of the U.S.S.R. p.96

AKADEMIA NAVUK BSSR, Minsk. Vestsi. Seryia biolagichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin, Series in the Biological Sciences]. Minsk, no.1, 1965.

Table of contents translated:

Nestlarovich, M.D., Alikov, B.S. - Transpiration of the year-old shoots of woody plants during the cold period of the year. p.5.

Rahavy, P.P., Narkovich, I.A.M. - Soil in the light of current research. p.11

Sidarovich, I.A.A. - Types and associations of oak forests in the floodplain of the Dnieper River. p.13

Kazlouskaya, N.V. - Southern species in the flora of White Russia. p.27

Kuchanova, N.N. - Decorative forms of broad-leaved varieties in Kaliningrad Province. p.33

Vauchkov, U.E. - Growth and development of physiologically active roots in woody plant seedlings during vegetation period. p.38

Bibikova, V.F. - Seasonal rhythm of growth and development of some lilac species. p.45

Horbach, N.V. - Lichens of the genus *Alcorno* in the White Russia. p.55

Parshakova, Z.P., Mashtakova, S.M. - Effect of herbicide 2M-4X on the free alanine content in corn plant. p.59

Chakalinskaya, I.I., Valadzko, T.U. - Vitamin accumulation dynamics in the tops of Polygonum weyrichi Fr. Schmidt. p.65

Mironenko, A.V., and others. - Restoration of alkalibiosynthesis in lupine following the intervarietal crossing of alkaloidless (forage) varieties. p.69

Turbin, N.V., Tarutina, L.A., Khatyllova, L.V. - Results of testing mathematical models for the determination of combining ability. p.74

Bormala, U.E., Matrosau, D.F., Sauchanka, U.K. - Characteristics of the formation of leaf apparatus in tetraploid sugar beets. p.82

Stel'makh, A.F. - Some physiological characteristics of tetraploid sugar beets. p.89

Vecher, A.S., Rashchinskaya, U.M. - Interrelationship among nitrogen-containing substances in the tubers of some potato varieties of White Russia. p.95

Hancharyk, M.M., Ivanchanka, V.M. - Formation of the photosynthetic apparatus and the pure productivity of photosynthesis of potato plants under excess chloride supply. p.100

Dyl'ko, M.I. - Characteristics of the immunity created by the cooperation of *Babesia* bovis and macro-organisms. p.106

Peniaz, V.S. - Fish productivity in the Western Dvina River. p.110

Nevidomskaya, P.S. - Use of polychlorophenols in placental transformation of small lakes of the White Russian S.S.R. p.116

Shymalov, V.T. - Role of predatory mammals of White Russia in spreading some helminths in man and domestic animals. p.120

Karaslov, M.F. - Study of hibernants of the raccoon dog in the Berezina State Preserve. p.124

Korobenkova, M.M. - Cobalt, nickel, copper and zinc content in soils of some White Russian districts. p.128

Novik, V.A. - Effect of whole-body X-ray irradiation on animation processes in the liver and kidneys. p.130

Borovich, E.A. - Significance of carotenoids in the embryonic development of rainbow trout. p.132

Gembalski, A.S. - *Ixodes arboricola* P. Sch. et Schl., a new species of ixodid ticks in the White Russian S.S.R. p.134

Annual General Meeting of the Academy of Sciences of the White Russian S.S.R. p.135

ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII [ARCHIVES OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.46, no.4, Apr. 1964.

Table of contents translated:

Svetlov, P.G. - Integral and elemental methods in embryology. p.3

Epifanova, O.I. - Study of the mitotic cycles in some epithelial tissues of mice under the influence of estrogens. p.27

Kadlov, E.V., Ovspeian, A.A. - Stimulation of the regeneration processes of the skin. p.38

Shibkova, S.A. - Distribution of the activity of acid phosphatase in the inner layers of the retina. p.42

Mariyutuk, N.I. - Dynamics of mucopolysaccharides in human ribs. p.48

Petrova, L.D. - Aseptic inflammation in the connective tissue following the administration of urethan. p.52

Neveleva, L.G. - Critical periods of development and the determination processes of extramittal primordia in the embryos of mice according to experimental X-ray irradiation data. p.62

Zakharova, A.V., Turlikova, L.P. - Reporative regeneration of the skeletal muscle tissue during the administration of ascorbic acid and vitamin P preparations. p.69

Kutakh, G.I. - Histochemistry of the main cells of the fundic gastric glands. p.75

Nagy, I.Zs., Kalapos, S., Lovai, G. - Experimental data on the qualitative adaptation of epithelial tissue. p.80

Oteillin, V.A. - Effect of gravitational stress on the arterial system of the nerves of the extremities. p.87



- Safarov, I.S. - *Gleditsia caspica* Desf. p. 543
- Tomlin, B.A. - Cap fungi of some plant communities in the "Denezhkin Kamen" (Central Urals), p. 546
- Alekseev, I.U. E. - Fragments of mountain steppes in the Southern Urals, p. 551.
- Asadov, K.S. - New habitat of *Geranium gracile* Ledeb. in the Caucasus, p. 558.
- Chachavadze, E.S. - Morphology of the horizontal and tangential cell walls of the wood rays of conifers, their nomenclature and classification, p. 558.
- Smol'taninova, L.A. - Herbarium of Marschall von Bieberstein, p. 564.
- Gol'd, T.M. - Biology of *Leontice odessana* Fisch. in the vicinity of Odessa, p. 565.
- Kiseleva, K.V. - Aspen forests of the Klin-Dmitrov Ridge and their dynamics, p. 567
- Smirnova, A.D. - Spiling-fed bogs in the vicinity of the village of Srednyaya Us'va (Central Urals) p. 571.
- Shiffels, E.V. - On the history of phytogeographical cartography in the U.S.S.R., brief information p. 578.
- Semenova-Tian-Shanskaya, A.M. - Use of botanical methods in archaeobotanical and climatological research, p. 577
- Kaden, N.N. - New carpological classification by R.E. Levina, p. 579.
- Barbarich, A.I., Zolchenko, O.V. - Afanasi Semenov-Rogovich (Jan. 18, 1812-Apr. 26, 1878), p. 585.
- Lakubitsner, M.M., Fedotova, T.I., Chesnokov, P.P. In memory of G.E. Spangenberg-Spagorov, on the 75th anniversary of his birth, p. 588.
- Matienko, B.T. - 3d European Regional Conference on Electron Microscopy (Prague, August 26-September 3, 1964), p. 590.
- Sokolov, V.S. - In the Botanical Institute of the Academy of Sciences of the Armenian S.S.R p. 595.
- Ivanov, A.A., Iutsev, B.A. - In the All-Union Botanical Society, p. 599.
- Barbarich, A.I., Chupik, V.I. - Third Congress of the Ukrainian Botanical Society, p. 600.
- \* FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoyuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society], Moscow, vol. 51, no. 3, Mar. 1965.
- Table of contents translated:
- Tolkunov, B.F. - Correlation between periods of activation and depression in responses of cortical neurons to impulse electric and photic stimulations p. 285
- Shipova, N.V. - Efferent cortical representation of the muscular apparatus proper of the visual analyzer in cats, p. 293.
- Blagodatova, E.T. - Localization of the mechanism of interlinking inhibition of the cortical motor response p. 300.
- Bazanova, I.S. - Morphoelectrophysiological study of the interneuronal synapse in a live preparation of a parasympathetic ganglion of the urinary bladder in frogs p. 309
- Andrianov, E.S. - Role of the cerebellum in the regulation of the content of formed elements in the blood p. 318
- Bekasov, N.V., and others. - Effect of an interruption of the central pathways of the sensory innervation of the eye on the secretory activity of the ciliary body, p. 325.
- Il'ina, A.I., Golovacheva, S.N. - Effect of stimulation of the cephalic end of the cervical sympathetic nerve on the content of adrenalinlike substances in the blood flowing to and from the head, p. 330.
- Medvedevskii, A.N. - Reactions of the heart to its stimulations in the reactivity period, p. 336.
- Ul'ianovskii, L.S., Dzhuravina, L.A. - Respiratory arrhythmia and respiratory atrioventricular block in hypercapnia and hypoxia p. 340.
- Taranenko, A.G. - Effect of chronic stimulation of the afferent nerves of the mammary gland on the synthesis of milk proteins in goats, p. 350.
- Natoshin, I.U. V. - Mechanisms of the natriuretic effect of pituitrin, p. 357.
- Beikos, O.V. - "Pancreatic" phase of gastric secretion, p. 362
- Faltot'berg-Blank, V.R. - Mechanism of the changes in the gastric and intestinal absorptive activity under the effect of radiowaves of the centimeter diapason of ultrahigh frequency on the body, p. 372.
- Iunusov, A.I.U., Belova, E.S. - Participation of digestive organs in the regulation of water-electrolyte metabolism under various thermal conditions, p. 378.
- Davdova, G.M., Neifakh, S.A. - Respiratory processes and phosphorylation in the liver mitochondria of the hibernating gopher, p. 384.
- Ushakov, V.B. - Analysis of the causes of the thermal death of skeletal muscles, p. 388.
- Valteris, A., Dale, M. - Adaptation of MPO-3 and N-102 oscillographs for the recording of mechanical oscillations in the body, p. 395
- Grechishkina, A.P., Kokhar', A.I. - Methodology of prolonged non-contact stimulation of a nerve with impulse induction current, p. 398
- Ryzhenkov, V.E. - Introduction of substances into cerebral arteries of dogs in a chronic experiment, p. 400
- Rafes, I.U. I. - Psychologist L.B. Popel'skii p. 403
- FIZIOLOGICHESKII ZHURNAL [PHYSIOLOGICAL JOURNAL]. Issued by Institut fiziologii Akademii nauk USSR [Institute of Physiology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 9, no. 1, Jan.-Feb. 1963.
- Table of contents translated:
- Kolpakov, I.E. V. Votodymyr Ivanovich Vernadskii, on the 100th anniversary of his birth, p. 3.
- Komisarenko, V.P., Levchenko, M.N., Klymenko, O.S. - Change in the mineral components of the blood serum under the effect of splenectomy and parathyroidectomy, p. 6.
- Troshchinskii, V.O. - Formation and development of external and some forms of internal inhibition in early ontogenesis of animals born at an early stage of development, p. 13.
- Zlatin, R.S. - Principle of structure and the problem of interrelations between psychic and physiological phenomena, p. 22.
- Fugol', O.M. - Significance of some characteristics of the type of higher nervous activity in a regulation of the trophic phase of the salivation reflex, p. 27.
- Tors'ka, I.V. - Phenomena of amitotic division of nerve cells in the central nervous system of adult dogs, p. 34.
- Tsybenko, V.O. - Pathways of transfer of impulses from the hypothalamus to the vascular system, p. 42.
- Shula, M.F. - Problem of spontaneous activity in the smooth muscles, p. 48.
- Magura, I.S. - Effect of chlorine ions on the process of depolarization and repolarization of the membrane of muscle fibers following changes in the potassium ion concentration in Ringer's solution, p. 56.
- Iankov'ska, G.S., Khilazieva, V.N. - Correlation between electrical activity and the level of muscle tension in elderly persons, p. 61.
- Kocherga, D.O. - Electromyographic determination of the function of the respiratory muscles, p. 67.
- Syutina, M.F. - Changes in the morphological composition of the blood in underwater submersions of athletes, p. 77.
- Adamenko, M.P. - Restoration of blood circulation and respiration in dogs revived following prolonged clinical death due to electrical trauma, p. 82.
- Berezovsky, V.I.A. - Short-term local fluctuations of the temperature of the cerebral cortex in dogs and their relations to the regional blood circulation, p. 90.
- Khomys'ska, L.P. - Interrelations between the function of the thyroid gland and regenerative processes in the muscles following administration of galactosamine, p. 96.
- Khilchenko, A.I.E., Patorzhyn'ska, A.M. - State of mobility of the basic nervous processes in patients with manic-depressive psychoses, p. 102.
- Rasin, S.D. - Study of the mobility of the basic nervous processes in epilepsy, p. 110.
- Zahorodnaya, A.G. - Bile formation and bile secretion processes in various alimentary regions, p. 118.
- Solohub, N.M. - Effect of convulsive attacks on the extinction of conditioned reflexes with and without reinforcement, p. 120.
- Khilcheva, L.D. - Renal blood flow in experimental hypertension of central nervous system origin due to "severing" of higher nervous activity, p. 123.
- Plakhotina, L.S. - Effect of stimulation of the brain on functional interrelations between the ovaries and the hypophysis, p. 125.
- Horodys'ka, V.I.A., Simon, I.B. - Pharmacological properties of the preparation "nicatol", p. 128.
- Kutabko, P.M. - Effect of thyroidectomy on the effectiveness of fattening hogs, p. 132.
- Lekakh, V.A. - Technique of studying motor conditioned reflexes in man, p. 134.
- Kolchyn'ska, A.Z., Vyshatina, O.I. - In the Scientific Council at the Academy of Sciences of the Ukrainian S.S.R. on the problem: "Physiology," p. 138.
- GIDROBIOLOGICHESKII ZHURNAL [HYDROBIOLOGICAL JOURNAL]. Organ of Odeskenskoe obshchestvo biologicheskoi Akademii nauk Ukrain'skoi SSR [Department of General Biology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 1, no. 1, 1965.
- Table of contents translated:
- Topachevskii, A.V., Tsoeb, I.A. - Freshwater hydrobiology at the present stage of its development, p. 6.
- Vodianitskii, V.A. - Marine hydrobiology, p. 12.
- Zhadin, V.I. - Present state and future development of freshwater radiation hydrobiology, p. 20.
- Vinberg, G.G. - Biotic balance between matter and energy and biological productivity of the bodies of water, p. 25.
- Lubianov, I.P. - Problems of technical hydrobiology as related to the protection of water supply system against biological overgrowth, p. 33
- Konenko, A.D. - Some laws of the formation of the ion-salt composition of water in ponds of the Ukrainian S.S.R., p. 42
- Sokolov, N.U. - Experimental study of the consumption of benthos by fish in Ucha Reservoir, p. 52
- Tatunok, K.I. - Effect of temperature on the embryonal development of pond carp, p. 82.
- Dekabakh, N.K. - Unusual abscess formation on the shell of *Anodonta anatina* L, p. 67
- Grigor'ev, B.F. - Fecundity of *Rilthronopeus auricularis* (Gould) ssp. *tridentatus* (Maitland), p. 68
- Travlanok, V.S. - Rod scoop for quantitative plankton sampling in the bottom layers of shallow waters and overgrowth of aquatic vegetation, p. 69.
- Maistrenko, I.U. G. - Study of free  $\alpha$ -amino acids in the bodies of water of the Ukraine, p. 70.
- Topachevskii, A.V. - Ivan Dmitrievich Papanin; on his 70th birthday, p. 73.
- Puzanov, I.I. - Fiftieth anniversary of the Kara-Dag Biological Station, p. 75
- Braginskii, L.P., Polishchuk, V.V. - First Conference of the All-Union Hydrobiological Society in the Ukrainian S.S.R., p. 80
- IUNYI NATURALIST [YOUNG NATURALIST]. Issued by Tsentralnyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi i Tsentralnyi sovet Vsesoyuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers], Moscow, no. 6, 1965
- MIKROBIOLOGICHESKII ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Institut mikrobiologii Akademii nauk USSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 20, no. 3, 1964.
- Table of contents translated:
- Current tasks of the Institute of Microbiology and Virology of the Academy of Sciences of the Ukrainian S.S.R., p. 3.
- Karpenko, M.K., Kvasnikov, I.E.I., Burakova, A.A. - Respiration and oxidative phosphorylation in homo- and heterofermentative lactic acid bacteria, p. 6.
- Medyn'ska, L.YU., Kolchyn'ska, I.D., Tim'anova, N.Z. - Effect of salt components of the medium on morphology, growth and protease activity of *Bac. subtilis* and *Bac. mesentericus*, p. 14.
- Ivovskii, P.I. - Transformation of diglyoxigenin by various fungus species of *Aspergillus* and *Fusarium* genera, p. 18.
- Rashba, O.I.A., Laushnyk, H.M. - Lipopolysaccharides of alkali-forming of Enterobacteriaceae, p. 22.
- Dekhtarenko, T.D. - Change in the DNA composition of double transformants of *B. brevis* and *B. typhi* adducts, p. 28.
- Filippov, V.O. - Comparative study of water-soluble proteins in the initial and phage-resistant variants of *Salmonella gallinarum-pullorum* by paper electrophoresis method, p. 31.
- Sudenko, V.I. - Variability of the antagonistic properties of *Streptococcus lactis* under the influence of ultraviolet rays and some mutagenic substances, p. 37.
- Kovbasenko, V.M. - Development of the resistance to ultraviolet irradiation in bacteria of the *Salmonella* group, p. 43.
- Leinfeld, E.L., Vasyli'eva, N.V. - Comparative study of the effect of mycelin and streptomycin on some mycobacteria, p. 46.
- Kovalova'ska, O.M. - Acquisition of the resistance to antibiotics and the variability of *E. coli* and *Bact. proteus* under the conditions of continuous flow cultivation, p. 50.
- Zholovyi, V.V. - Classification of the phages of *Flexneri* Bacterium dysenteriae, p. 54.
- Stronova'ska, N.V. - Detection of dysenteric bacteria in reconvalescents with the help of the phage titration reaction, p. 59.
- Chepurov, K.P., Kal'chenko, M.M. - Properties of *Diplococcus septicus* strains isolated in the Ukraine, p. 62.
- Man'kov'skii, A.V. - Hemolysins of *Proteus*, p. 66.
- Volynets, A.K. - Materials for further studying the etiology of infectious atrophic rhinitis of swine, p. 69.
- Lipshits, V.V., Nahorna, S.S. - Possibility of using the fluorescence microscopy method for the differentiation of living and dead cells in anaerobic bacteria, p. 73.
- Adamov, A.K. - Effect of certain conditions on the adsorption of microbes by trisubstituted calcium phosphate, p. 77.
- Kralev, V.H. - Viruses infecting broad bean, p. 82.
- Some methods of studying plant viruses in the Laboratory headed by Professor B. Shramm, p. 80.
- Rashba, O.I.A., and others. - First All-Union Biochemical Congress, p. 84.

Vol 27, no 2, 1965

Table of contents translated:

- Bulai, V. I., and others - Petroleum hydrocarbons as a source of carbon for microscopic mycelial soil fungi p. 3
- Vizir, P. E., Koval', H. M. - Sensitizing streptomycin-resistant bacteria with the aid of bacterial filtrates p. 11
- Novikova, S. I. - Isolation in pure form and study of the products of transgalactosylation of *Streptococcus lactis* p. 15
- Laushnyk, H. M. - Comparative study of the polysaccharide-containing fraction of alkali-forming enterobacteria obtained after extraction of a complete antigen p. 17
- Kyrylenko, T. S. - Species of the genus *Fusarium* in the rhizosphere of barley and oat of the Polesye districts of the Ukrainian S.S.R. p. 23
- Malabuda, T. V. - New species of the genus *Mortierella* Coenans p. 29
- Kiprianova, O. A. - Synthesis and consumption of B group vitamins by dysenteric bacilli p. 32
- Nchrasch, A. K., Matvienko, S. O. - Algicidal properties of aquatic and coastal plants of Kremenchug Reservoir as related to blue-green algae *Microcystis pulchra* and *Arabaena bassali* p. 39
- Leon'teva, K. P., Fedorova, O. O. - Antagonistic properties of some soil bacteria p. 42
- Mishchenko, E. L. - Effect of antibiotics salvin and kanamycin on pyogenic cocci p. 45
- Bel'tukova, K. G., Halyn'ska, M. S. - Effect of pre-planting treatment of tomato seeds with arenarin on the increase in plant resistance to *Corynebacterium michiganense*, a causative agent of bacterial cancer p. 48
- Nevskiy, O. S., Rotmistrov, M. M., Kulyk, H. V. - New synthetic antimicrobial preparations. Antimicrobial activity of some salicylanilide derivatives. p. 52
- Kolomoitsev, L. R., and others - Effect of quaternary salts of 4-(n-dialkylamino)phenyl-pyridines on dysenteric bacteriophage p. 56
- Sukachova, O. O. - Sorption of erythrocytes and penetration of some antibiotics into them p. 61
- Bondarenko, V. I., Zatulovskiy, B. H. - Duration of the preservation of specific antibodies in persons who suffered from typhus in the past p. 64
- Ladani, M. M. - Phage typing of *Staphylococci* isolated from various population groups of Transcarpathia. p. 68
- Bobyr, A. D., Hlushak, L. R. - Effect of the products of the vital activity of yeast on tobacco mosaic virus. p. 73
- Shelud'ko, I. U. M., Shevchenko, N. O. - Secondary clarification of the plant sap of X-virus infected potatoes on native ion-exchange resins p. 78
- Kordium, V. A., Lazurkevich, Z. V., Zhavorova, L. H. - Possibility of using a temperature-gradient device for studying cardinal temperature points in the growth of micro-organisms p. 83
- Korol'ova, I. B. - Bacterial lupine diseases. p. 87

MOSCOW. GLAVNYI BOTANICHESKII SAD. Biulleten' [MAIN BOTANICAL GARDEN. Bulletin]. No. 56, 1964.

Table of contents translated:

- Blagoveshchenskiy, A. V. - Quality of enzymes and the introduction of plants. p. 3
- Kostevich, Z. K. - *Kosov Arboretum* in Ivano-Frankovsk Province. p. 10
- Kusheva-Nadson, L. S. - Structure and physico-mechanical properties of the wood of Kentucky coffee tree. p. 11
- Mel'nik, S. D. - Acclimatization of *Metasequoia* in Lvov. p. 17
- Vereshchako, F. A. - Characteristics of shoot formation in *Pyrethrum cinerarifolium*. p. 19
- Sigalov, B. I. A. - Methods of shoot formation study in perennial grasses in dense stands. p. 28
- Starchenko, L. I. - *Sorbus intermedia* (Frhr.) Pers. in silviculture and landscape gardening. p. 31
- Rusanov, F. N. - *Asimina triloba* (L.) Dunal. in Tashkent. p. 34
- Gulati, B. S., Singh, P., Dimir, B. P. - Germination of the seeds of *Rauwolfia serpentina* Benth. p. 36
- Timko, V. A. - New species of meadow grass. p. 38
- Khokhriakov, A. P. - New species of *Corydalis* from Mount Achkishko. p. 42
- Utkin, V. V. - Seed viability of Crimean *Compositae* depending on the length of storage. p. 44
- Belostokov, G. F. - Seasonal development of buds in woody plants. p. 49
- Kirillova, G. A. - Effect of succinic acid on the nitrogen metabolism of germinating caryopses of spring wheat. p. 52
- Volkonskaya, T. A., Minzera, V. G. - Study of the flavonoids of garden sorrel. p. 57
- Grunina, L. K. - Amino acid composition of the vegetative organs of corn and mallow in the Komi A.S.S.R. p. 60
- Bendetskiy, K. M. - Activity of arginase in the germinating seeds of hairy vetch. p. 65

- Supatashvili, Sh. M., Mukhashavilia, A. L., Murusidze, B. V. - The spruce bark beetle *Dendroctonus micans* in Georgia and its control. p. 68
- Selochnik, M. N. - Application of activated creolin with the admixture of fungicides for apple scab control, preliminary report. p. 73
- Mazin, V. V. - Effect of boron and hydrogen peroxide on the infection of cabbage with clubroot. p. 76
- Verzlov, V. F., Goriunov, D. V., Voronina, E. P. - Exhibition on the "History of cultivated plants of our homeland" at the Main Botanical Garden. p. 82
- Mamedov, F. M. - Roofing of the summer cuttings of woody plants in various substrates. p. 89
- Shul'kina, T. V. - Second blooming and secondary growth of some perennials. p. 95
- Lipaeva, L. I. - Tetraploid form of *Lychnia chalcidonica* L. p. 99
- Prikhod'ko, S. N., Musat, I. K. - Study of prickly pears in the Ukraine. p. 101

MOSCOW. UNIVERSITET. Vestnik. Seriya 6: Biologiya, pochovedenie [UNIVERSITY. Review Series 6: Biology, Soil Science]. Vol. 20, no. 2, Mar.-Apr. 1965

Table of contents translated:

- Il'ina, G. V., Rydkil, S. G. - Study of the absorption of radioactive fission products by field crops. Report No. 2: Accumulation of radioactive fission products by pulse crops and perennial grasses. p. 3
- Meier, N. R. - Upper Pleistocene flora in the Vaidal Hills. p. 10
- Ishchenko, L. A. - Free amino acid content in leaves of apple varieties different as to their resistance to scab and their effect on the growth of *Fusicladium dendriticum* Fuck. in culture. p. 15
- Lies, O. L. - Characteristics of the peat accumulation in the bogs of the depressions without interior drainage of the Kila-Dmitrov Ridge. p. 21
- Voskresenskiy, K. A., Iurina, E. V. - *Asteromonas Artari* as an object of mass cultivation. p. 29
- Palamarchuk, I. A. - Different pollen quality in the same corn ear. p. 36
- Lebedev, V. D., Savvaitov, K. A. - Taxonomy of charrs of the genus *Salvinia* of the Lena Delta. p. 46
- Tsepkin, E. A. - Neolithic fishes found in the Kultaia settlement near the Lena River. p. 57
- Chzhu Khal-tan (Chu Hal-ching), Bekker, E. G. - Composition of the midgut epithelium in the caterpillar of *Lepidoptera*. p. 63
- Bolyshev, N. N., Shina, E. A., Konova, E. N. - Effect of various salts and their concentrations on algal species. p. 72
- Tatmurazova, L. Kh., Ignat'eva, L. A. - Study of the interaction between minerals and polymers by infrared spectroscopy method. p. 81
- Anniversary of Professor N. A. Kachinskii. p. 87
- Kachinskii, N. A. - Eighty International Congress of Soil Scientists. p. 91

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Biulleten'. Otdel biologicheskii [MOSCOW NATURALISTS' SOCIETY. Bulletin. Biological Section]. Moscow, new series, vol. 70, no. 2, Mar.-Apr. 1965.

Table of contents translated:

- Likhachev, G. N. - Materials on diurnal activity and estimation of the common dormouse. p. 5
- Uspenskiy, S. M. - Distribution, abundance and conservation of the white bear in the Arctic. p. 18
- Lavrov, L. S., and others. - Ecologic characteristics of the habitat and prospects for the development of South Asiatic beaver colonies in the Bulgan River. p. 25
- Grosser, G. E., Dimesman, L. G., Tsatkin, V. I. - Ancient distribution of the steppe marmot. p. 34
- Painava, A. N. - Observations on elementary populations of the Caspian roach (*Rutilus rutilus caspius* Lak.) in a river by means of marking. p. 47
- Voronov, A. G., Zadornova, L. V. - Effect of the relief on the distribution of subarctic forests in Yunnan (the Chinese People's Republic). p. 55
- Serebriakov, I. G., Serebriakova, T. I. - Two types of rhizome forming in herbaceous perennials. p. 67
- Solov'eva, N. A. - Offspring forming in the awnless bromegrass after mowing. p. 62
- Gorlenko, M. V., Ishchenko, L. A. - Activity of oxidative enzymes in apple varieties different as to scab resistance. p. 90
- Volkovich, A. A. - Characteristics of the neurosecretory-hypophyseal system in amphibia with different rate of metamorphosis. p. 99
- Klochkov, D. V. - Diurnal activity of minks of various genotypes and their reaction to photoperiodic conditions. p. 106
- Bychkov, V. A. - Autumn molting in seals. p. 113
- Krivolutskii, D. A. - Some observations on the system of the family *Liaccaridae* Sell., 1928 (*Oribatei*, *Acariformes*). p. 118
- Makhonina, G. I. - Distribution of  $Fe^{56}$ ,  $Co^{60}$ ,  $Zn^{65}$ ,  $Sr^{90}$  and  $Cs^{137}$  radioisotopes in pine, larch, aspen and birch. p. 120

- Zoz, N. N., Kukarova, S. I. - Inheritable changes in winter wheat induced by chemical mutagens. p. 124
- Kerkis, I. U. I. A. - Some phenomena in the biology of the fertilization of tomatoes and their significance for genetic studies on this subject. p. 126
- Brief news. p. 137
- Rabotnov, T. A. - Phytocenological problems at the Tenth International Botanical Congress. p. 140
- Lus, I. A. I. A. and others. - In memory of Tonia Karlovich Lepin, 1895-1964. p. 153

MUSU GAMTA [OUR NATURE]. Issued by Lietuvos gamtos apsaugos draugija [Lithuanian Society for Conservation] and others. Vilnius, no. 4(201), Apr. 1965. [in Lithuanian]

PRIKLADNAI BOKIEMINIA I MIKROBIOLOGIA [APPLIED BIOCHEMISTRY AND MICROBIOLOGY]. Issued by Akademija nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 1, no. 1, Jan.-Feb. 1965.

Table of contents translated:

- Vakar, A. B., Pumplanskii, A. I. A., Somenova, L. V. - Effect of  $D_2O$  on physical properties of gluten and wheat dough. p. 5
- Rubin, B. A., Ivanova, T. M., Davydova, M. A. - Mechanism of the activation of peroxidase in an infected tissue of immune plants. p. 26
- Pantekhaeva, E. S., Bykhovskii, V. I. A. - Biochemical and microbiological laws of the vitamin  $B_{12}$  synthesis in thermophilic methane fermentation. p. 37
- Mikhlin, E. D., Prokoshova, G. A. - Composition of the biomass forming during methane fermentation of the distiller's waste. p. 45
- D'iachenko, P. F., Zhdanova, E. A. - Susceptibility of casein fractions to the action of proteolytic enzymes. p. 49
- Vesolov, I. A., Tipograf, D. I. A., Petina, T. A. - *Aspergillus candidus* as producer of albumenase enzyme. p. 52
- Avakiant, S. P., Belousova, I. D. - Beta fructofuranosidase activity in continuous wine champagne-ization. p. 57
- Auerman, L. I. A., Kretovich, V. L., Polandova, R. D. - Fermentative way of improving the quality of wheat bread by the method of oxidation. p. 66
- Ruban, E. L., Lohyova, L. B. - Tryptophan biosynthesis by yeasts of the genus *Hansenula*. p. 74
- Kriuchkova, A. P., Vorob'eva, G. I. I., Bobyr', L. M. - Effect of carbon source in the medium on amino acid synthesis by yeasts. p. 78
- Zharikova, G. G. - Effect of amino acids on the development of *Bacillus brevis* var. GB and on gramicidin-C biosynthesis. p. 83
- Silin, P. M. - Evaluation of the technological properties of sugar beet for breeding. p. 90
- Rodopulo, A. K., Egorov, I. A., Tashina, V. E. - Bouquet substances of sherry. p. 95
- Shklyar, M. S. - Effect of gibberellin on micro-organisms and on fermentative activity of *MAH* in maiting. p. 102
- Vesolov, I. A., Mosichev, M. S. - Characteristics of malt and barley starch and the rate of its saccharification. p. 110
- Korshunov, I. B. - Determination of dissolved oxygen concentration by the method of polarography with fixed solid electrodes in a submerged culture of micro-organisms. p. 114
- Pokrovskaya, N. V., Chistakova, E. A. - Use of SG-1 cation exchanger for obtaining and purifying glucose oxidase. p. 118
- Silaev, A. B., Le Zoon Zien - Amino acid composition of proteins in Vietnam rice varieties. p. 122

REFERATIVNYI ZHURNAL: BIOLOGIA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10-11, May-June 1965.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchny doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]. Moscow, no. 2, 1965.

Table of contents translated:

- Ioganzon, B. G., Krylov, G. V. - Complete utilization of natural resources of Western Siberia and biology. p. 7
- TSimbaluk, A. K., Kulikov, V. V. - Nematodes of land birds on the islands of the Berlog Sea. p. 14
- Petrov, A. M., Batanov, M. G. - Helminths of squirrels of Eastern Siberia. p. 18
- Zakutskii, V. P. - Preliminary data on the distribution of bottom and nearbottom animals and their larvae in plankton and hyponeuston of the Sea of Azov. p. 22
- Terezhko, L. I. - Some data on cicadas of Moldavia. p. 25

- Titova, K.N. - Materials on the biology of the roach *Rutilus rutilus* (L.) in the southern and northern bodies of water of the U.S.S.R. p.27.
- Tabin, V.I. - Role and causes of the formation of synovial depressions in the elbow joint of some mammals. p.32
- Annaeva, E.Ch. - Ecology and agricultural significance of the roller *Colaptes cafer* L. in the middle Amu Darya Valley. p.37
- Khiglatian, D.Kh. - Cytochemical study of ribonucleic acid in the cells of some representatives of the family Trypanosomidae. p.40
- Kamenskaya, M.A., Kirzon, M.V. - Significance of the amputation process for the development of carnosine effect on the skeletal muscle in fatigue. p.43
- Serbenjuk, T.S.V., Ippolitova, G.S. - Role of afferent influences in the formation of respiratory rhythm in amphibians. p.48
- Safonov, V.A. - Electrophysiological study of the effect of unilateral and bilateral vagotomy on the work of the respiratory apparatus in excess intrapulmonary pressure. p.53
- Mastov, S.P., Ivashkina, I.N. - Adaptation of white mice to low temperatures as a result of an acute periodical exposure to cold and accompanying changes of some physiological indices of energy metabolism in the body. p.59
- Ivanova, I.I. - Adrenocorticotrophic activity of hypophysis and the reactivity of adrenal glands to ACTH at different time after partial decortication of brain hemispheres in rats. p.64
- Volkovich, A.A. - Reaction of the neurohypophysis in birds to salt load. p.69
- Batuev, A.S. - Topography of the giant pyramidal field in the cerebral cortex of a cat. p.74
- Kurmaeva, A.O. - Process of the formation and extinction of conditioned reflex to time. p.79
- Fedorova, G.V. - Effect of C<sup>14</sup> on the embryonic and early postembryonic development of *Coregonus peled* (Gmel.). p.84
- Melnikov, V.N. - Approximate determination of the contrast sensitivity of the eye of fishes by their behavior. p.88
- Lebedev, N.V., and others. - Motor responses of anchovies to acoustic stimuli. p.91
- Sladkov, A.N. - More about "palynology." p.95
- Utkin, V.V. - Seeds of wild vetches of the Crimea. p.101
- Kabulov, D.T., Mukumov, Kh.M. - Species of host plants of the Egyptian broomrape (*Orobanchae aegyptiaca* Pers.) in Central Asia. p.111
- Alekseev, I.U.E. - Morphology of the vegetative organs of Central Russian sedges (the genus *Carex* L.). Report No.1. p.117
- Lebedev, P.V. - Changes in the morphological structure of the apical cone in the vegetative shoots of meadow grasses. p.124
- Belostokov, G.P. - Some data on venation and bud arrangement in woody plants. p.128
- Goryshina, T.K. - Dynamics of temperature optima in *Gagea lutea* (L.) Ker-Gawl. during dormancy. p.138
- Kedrov, G.B. - Significance of the intermediate contacts of wood vessels in the European ash (*Fraxinus excelsior* L.). p.140
- Protsenko, D.F., Ostapliuk, E.D. - Characteristics of resistance and winter hardiness of winter wheat and rye. p.148
- Lisovskii, G.M. - Conditions affecting formation of slow-germinating seeds in beans. p.152
- Pronin, M.E., Pavlova, A.P. - Qualitative composition of proteins in a corn kernel as related to its position in the corn cob. p.158
- Vaniushin, D.F., Milner, N.I.A. - DNA composition of normal and tumorous callus tissues of a wild grapevine. p.162
- Berezogovskaya, L.N., Kuskova, Z.R. - Amino acid and alkaloid dynamics in belladonna as affected by its development. p.165
- Il'in, A.M. - Effect of the vapors of 2,4 D butyl ester on trees and shrubs. p.170
- Skadovskii, S.N., Telitschenko, M.M. - Possibility of using self-purification of the bodies of water in practical water supply. p.173
- Kondrat'eva, E.N., Taranenko, L.I., Sumarukova, R.S. - Requirement of some microelements by purple and green sulfur bacteria. p.176
- Aseeva, I.V., Dobrovol'skaya, T.G. - Biosynthesis of free amino acids by mycobacteria and nongrowing bacteria from the soils of Pamirs. p.181
- Minkovich, I.I. - Biology of the causative agent of vascular tree mycosis. p.185
- Bue'ko, A.T. - Effect of multiple pairing on the productivity of milk. p.190
- Riadnova, I.M., Vasilchenko, T.S. - Production of frost resistant varieties of peach. p.193
- Rzhaksinskaya, M.V. - Dispersed chemical elements in soils and plants of the eastern El'brus Mountain region. p.197
- Molchanova, I.V. - Effect of iron on the behavior of yttrium<sup>91</sup> in a soddy-meadow soil. p.201
- Turina-Zelnatashvili, R.N. - Change in the water solubility of aggregates as a result of the farm crop cultivation on soils of the dry trans-Volga region p.205.
- \*TSITOLOGIYA [CYTOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 4, no.5, Sept.-Oct. 1962.
- Table of contents translated:
- Sheherbakov, V.K. - Types of polyploidization and reduction of chromosome sets. p.477
- Aksenova, N.N., and others. - Effect of ribonucleic acids isolated from the liver on the transplantability and growth of transplanted tumors. p.490
- Salganik, R.I., and others. - Nature of pyronin-stained granules in a fraction of isolated cell nuclei. p.498
- Mitushin, V.M. - Electron microscope examination of the ultrastructure of Ehrlich ascites carcinoma cells. p.506
- Soran, Viorol. - Effect of plasmolysis and deplasmolysis upon the vital structure of the nucleus. p.511
- Zaklad, S.I., Zaslavskii, V.G. - Adaptation of cells to conditions of cultivation *in vitro*. p.519
- Sologub, M.I. - Intracellular gradient of the resting potentials in muscle fibers during the course of alteration. p.530
- Drogoval'skaya, I.N. - Thermostability of the ciliate epithelium cells of the Black Sea actinias in different seasons. p.538
- Soravin, L.N. - Physiological gradients of the in-fusorian *Spirostomum ambiguum*. p.545
- Mashanski, V.F. - Structure of the membranes of mitochondria. p.555
- Dmitrieva, N.P. - Submicroscopic changes in Brown-Pearce tumor cells after the action of ultrasonic waves of high intensity. p.569
- Skhol', E.D. - One of the mechanisms of adaptation of isolated mammalian cells to temperature. p.582
- Karmysheva, V.I.A. - Polysaccharides in mammalian ovaries under normal conditions and in acute radiation sickness. p.585
- Voselkina, M.N. - Synthesis of DNA and multiplication of corneal epithelial cells after X irradiation. p.571
- Fursov, V.I., Inushin, V.M. - DNA content in the nucleus of the wheat oosphere. p.574
- Sukhanova, K.M. - Localization of succinate dehydrogenase in *Opalina ranarum*. p.577
- Krol', I.U.N. - Relay model of the self-reproduction process. p.580
- Agoskin, L.S. - Errors in cytophotometry. p.585
- Pollanski, I.U.I. - In memory of Pavel Aleksandrovich Baranov (1892-1962). p.586
- Dobrokhotov, V.N., Liozner, L.D. - Conference on mitosis. p.588
- Malnovskii, O.V., Sheikina, T.A. - First symposium on postirradiation reparation of the cell. p.600
- Udin, A.L. - The 72d scientific conference of the Cytological Institute of the Academy of Sciences of the U.S.S.R. p.602
- UKRAINS'KYI BIOKIMICHNYI ZHURNAL [UKRAINIAN BIOCHEMICAL JOURNAL]. Published by Institut biokhimii Akademii nauk URSR [Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 34, no.3, 1962.
- Table of contents translated:
- Dvornikova, P.D., and others. - Values of the molecular weight of a mixture of crystalline myogen A and dehydrogenase of d-glyceraldehyde-3-phosphate from the muscles of a rabbit. p.327
- Shabanova, N.O. - Effect of cortisone on the nucleic acid and protein content in the liver and heart. p.338
- Haidai, V.M. - Content and composition of nucleic acids in the muscles and testes of Peking and wild ducks. p.352
- Kolomitschenko, M.A., Morozova, R.P. - Quantitative changes in tryptophan, tyrosine and histidine in the composition of proteins irradiated with nuclear and light rays. p.359
- Utochev, A.B. - Effect of whole-body X-ray irradiation on the iron metabolism in animal tissues. p.371
- Dunaleva, V.F., Ivanenko, I.E.F. - Change in the isoelectric point and solubility in the isoelectric zone of brain proteins. p.376
- Shoshiev, L.N. - Obtaining tryptic hydrolysates from milk and serum albumins for growing tissue cultures. p.387
- Okunev, V.N. - Some characteristics of the formation of ammonia and glutamine in the muscles during ischemia. p.394
- Stankov, P.V. - Amino acid insufficiency in the diet and glucose content in the blood. p.400
- Vekstor, I.A.I., Gershenovich, Z.S. - Ammonia-glutamic acid-glutamine system in the brain of rats in various phases of hypothermia. p.406
- Hormaniuk, I.A., Letchenko, O.I.U., Martynuk, M.M. - Effect of pyridoxine, insulin and glucose on the transaminase activity of the erythrocytes of various animals *in vitro*. p.417
- Hela, N.M. - Effect of dehydroascorbic acid on the activity of the pancreatic lipase in cat. p.424
- Krasnova, A.F., Iakovelev, N.N. - Connection between the adenosinetriphosphatase activity of myosin and the content of free thiol groups. p.428
- Holovats'kyi, I.D. - Some problems of interrelationship between the pentose cycle and glycolysis in the blood. p.435
- Shamrai, I.E.F., Khil'ko, O.K., Sapotsin'ska, I.E.B. - Method of quantitative determination of nitrogen in organic compounds and tissues. p.443
- Promyslov, N.Sh. - Quantitative determination of gangliosides of the brain. p.451
- Sytinskii, I.A., Ostretsova, I.B. - Decarboxylase of glutamic acid. p.456
- Kiev Branch of the Ukrainian Biochemical Society. p.477
- Vol.37, no.1, 1965.
- Table of contents translated:
- Antonina, A.A., Khodorova, I.E.L. - Quantitative determination of trypsin inhibitors. p.3
- Khyl'ko, O.K. - Age-related changes in the content of sulphydryl groups and adenosinetriphosphatase activity of myosin. p.8
- T'Syperovych, O.S., Halych, I.P. - Crystallization of  $\alpha$ -amylase of *Aspergillus oryzae* from Soviet enzyme preparations. p.14
- Vynogradova, R.P. - Content, phosphoprotein phosphoserine regeneration and phosphoprotein phosphatase activity in the liver during starvation and subsequent fattening up of animals. p.24
- Babil, T.P., Skvyrsa, E.B., Kovalenko, M.I. - RNA fractions of the brain in animals of different ages. p.33
- Khylobo, I.U. - Age-related changes in some properties of DNA of the intestinal mucous membrane of white rats. p.43
- Prokhoronko, L.H. - Effect of inhaling of various gas mixtures on the content of ammonia, glutamine, glutamic acid and adenosinetriphosphatase in the animal brain. p.51
- Hulyi, M.F., Pechonova, T.M., Matushevych, L.I. - Mechanism and enzymes of the conversion of citric acid into acyl phosphates in animal tissues. p.58
- Bezvershenko, I.A. - Effect of cortisone injections on the adenosine triphosphate and adenosine diphosphate content and the adenosinetriphosphatase activity in the cells of ascitic tumors. p.70
- Shabanova, N.O. - Effect of noradrenaline on the content of nucleic acids and proteins in the liver and heart of rabbits. p.76
- Donchenko, H.V., Chahovets', R.V. - Effect of vitamin E and phenylalanine on the ubiquinone content in the liver of normal and A-avilaminous rats. p.82
- Fedorova, G.P. - Effect of nicotinamide on the nicotinamide adenine dinucleotide content in rat tissues during rest and muscular activity. p.91
- Golkov, K.K. - Effect of vitamin D on the activity of alkaline phosphatase in the blood and bones of white rats as related to the calcium and fat content in the diet. p.97
- Razumovich, A.N. - Oxidation-reduction transformations of thiamine. p.105
- Volkov, A.V. - Change in the 17-oxycorticosteroid content of the plasma in death from hemorrhage. p.110
- Udinov, N.A. - Effect of some amino acids on the function of the hypophyseal-adrenal cortex system. p.117
- Kusen', S.I., Ivanovych, V.H. - Content of lipids and ketone bodies in the liver, blood and urine of cattle as related to their age. p.125
- Maksimova, L.V. - Adenosine triphosphate: creatine-phosphotransferase activity in the muscles and blood during muscular activity. p.131
- Iakovlev, N.N. - Comparative biochemical evaluation of energy metabolism of the striated muscles as related to their functional condition. p.137
- Sopotyn'ska, O.B., Shuka, E.P. - Determination of the sodium, potassium and calcium content in tissues by the flame photometry method. p.151
- UZBEKSKII BIOLOGICHESKII ZHURNAL [UZBEK BIOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 9, no.2, 1965.
- Table of contents translated:
- Iusupov, A.A. - Effect of strontium 90 on the functional state of the thyroid gland in dogs. p.5
- Fain, N.G. - Study of protein metabolism in tissues of the central nervous system and the transplantable brain tumor at early stages of its development. p.9
- Rizayev, U.M., Zverev, B.P. - Use of collimated beam of nuclear radiation in the local irradiation of experimental animals. p.17
- Sadykov, A.S. - *Aspergillus flavus* strain, producer of kojic acid. p.21



- Konstantinova, L. G., Malakhova, P. T. - Microflora of the mass culture of *Chlorella*. p. 24
- Andrusenko, M. L., Runov, A. I. - Interrelationship between lactic acid bacteria and yeasts in the process of alcoholic fermentation. p. 29.
- Boltaev, Kh. T. - Effect of the thermal treatment of seeds before planting on the growth, development and yield of cotton. p. 33
- Pulatov, N. - Change in the oiliness of cotton seeds as related to the time of seed harvesting. p. 37.
- Koloss, K. N. - Morphologic and ecologic characteristics of the blood of hedgehogs of the Fergana Valley. p. 39.
- Kadyrov, U. Z. - Effect of prolonged loss of the bile on the activity of some enzymes in chyme. p. 42
- Khamidov, A. - Vitality and productivity of weed seeds in fall and winter. p. 45.
- Li, A. D. - Dynamics of the development of motley type grasses in the mountain steppes of the Tien Shan. p. 48.
- Pechenitsyn, V. P. - Embryology of the tulip *Tulipa vvedenskii* Z. Botsh. p. 53
- Temirbaev, N. - Phytocenoses of the Chirchik Valley. p. 58.
- Khamidov, G. - Honey plants in the mountain region of Bostandyk and their role in the development of apiculture. p. 62
- Baimov, U. A. - Characteristics of the distribution and replenishment of the "buby" goby stock during its acclimatization in the Aral Sea. p. 66.
- Amanov, A. A. - Capnobotrya kuschakevitschii (Kessl.) from Uch-Kizil Reservoir of the Surkhandarya basin. p. 69
- Zhuravleva, I. A. - Data on biological characteristics of plant lice living on white acacia, alfalfa and other plants. p. 72
- Rashidov, T. R. - Selectivity of the pollination of corn in relation to teosinte. p. 78
- Berezhenko, G. Z., Avakhozdaev, M. Kh. - Role of tanning substances in rendering salts harmless to grapes. p. 82
- Lito, V. P. - Caracal in the Akara-Kalpak A. S. S. R. p. 83.
- VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY].**  
Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1(31), 1965.
- Table of contents translated:
- Gaigalas, K. S. - Biological principles of fishery regulations in the Courland Lagoon and the lower Neman River. p. 3.
- Prikhod'ko, B. I. - Relative abundance of the Caspian anchovy *Clupeonella engrauliformis* (Borodini). p. 19.
- Svetovidov, A. N. - Abundance of the Atlantic herring and Caspian anchovy and some factors determining the abundance of *Clupeidae*. p. 30
- Dorofeeva, E. A. - Karyologic basis for the taxonomic position of Caspian and Black Sea salmon (*Salmo trutta caspius* Kessler, *Salmo trutta labrax* Pallas). p. 38.
- Batal'ants, K. I. A. - Origin of the intraspecific differentiation of the Baltic herring *Clupea harengus membris* L. p. 46.
- Sytina, I. A. - Ecology of young *Brachymystax lenok* (Pall.). p. 58
- Sokolov, L. I. - Maturation and fecundity of the Siberian sturgeon *Acipenser baeri* Br. in the Lena River. p. 70.
- Baltaeva, V. N., Cherfas, N. B. - Maturation and fertilization processes in the egg cells of loach (*Misgurnus fossilis* L.). p. 82.
- Tarnavskii, N. P. - Fecundity of *Vimba vimba vimba* natio carinata (Pau) of the Dnieper River. p. 91
- Makeyeva, A. P., Popova, G. V., Potapova, T. L. - Maturation and reproduction of some commercial pelagic fishes in the Amur River. p. 97
- Vronskii, B. B. - Effect of hydrological and meteorological conditions on the spawning of some phytophilous fishes of the Amur River and the survival of their eggs and fry. p. 111
- Ivanova, M. N. - Seasonal changes and feeding habits of predatory fishes in Rybinsk Reservoir. p. 127.
- Savina, R. A. - Filter feeding of *Hypophthalmichthys molitrix* (Val.). p. 135.
- Vorilina, I. A. - Structure of the digestive tract of two representatives of the family *Dagidae*: *Pseudogyrus fulvidraco* (Rich.) and *Liocassis ussuriensis* (Dyb.) as related to the nature of feeding habits. p. 141.
- Smirnova, L. I. - Change in the fish blood pattern during digestion. p. 149.
- Zharov, V. L. - Body temperature of tuna (*Thunnidae*) and some other fishes of the order *Perciformes* of the tropical Atlantic. p. 157.
- Fierov, B. A. - Effect of small phenol concentrations on the locomotive and digestive activity and live weight increment in crucian carp. p. 164.
- Alekseev, N. K. - Bioecologic significance of *Euphyllipoda* in fishponds. p. 173.
- Lokshina, I. E., Karpevich, A. F. - Transplantation of fishes and aquatic invertebrates in 1962. p. 178.
- Barsukov, V. V., Solov'eva, N. S. - In memory of Aleksandr Il'ich Bukhiev (1903-1964). p. 198.
- Novikov, P. I. - Biological indices, catch intensity and abundance of salmon (*Salmo salar* L.) stock in the Pechora River in 1962. p. 203
- Fedorov, K. E., Shatoba, O. E., Konstantinov, K. G. - Behavior of *Gadus morhua morhua* L. and *Melanogrammus aeglefinus* (L.) in mild-water. p. 205
- Amilova, V. M. - Redifferentiation of sex in *Coregonus lavaeetus* baunli Muchomedjarov under the influence of ecologic conditions. p. 207
- Korzhuev, P. A. - Amount of blood in the organism of *Acipenser stellatus* Pallas. p. 210
- Skalkin, V. A. - Cases of mass fish death off the western coast of Sakhalin. p. 212
- VOPROSY PITANIIA [PROBLEMS OF NUTRITION].**  
Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 23, no. 5, Sep.-Oct. 1964.
- Table of contents translated
- Boiko, N. N., Klushkina, N. S., Kondrat'ev, I. U. I. - Enzymatic destruction of cell walls of protozoal algae with the purpose of raising their digestibility, survey of literature. p. 3.
- Ignat'ev, A. D. - Hygienic properties of some food preservatives. p. 6.
- Babaev, D. A. - Hygienic and chemical study of mixed polyamide resins intended for the use in the food industry. p. 12.
- Khristoferson, G. S. - Polyunsaturated fatty acid content in the fats of main commercial fishes in the Azov-Black Sea Basin. p. 17.
- Patishko, V. G. - Peroxides in liver lipids and fatty tissues of experimental animals. p. 20.
- Shishova, O. A., Sklika, B. K. - Role of phosphatidase in the mechanism of amino acid absorption in the intestine. p. 23.
- Barkagan, T. S., Romendik, L. M. - Effect of vitamin C content in the body on the physiological value of preserved blood erythrocytes. p. 28.
- Byshovski, A. Sh. - Effect of vitamin A and nicotinic acid on some indices of the condition of the blood anticoagulation system in experimental hypercholesterolemia. p. 33.
- Moldavtsev, A. I., Bol'shova, L. P. - Effect of individual vitamins and their complexes on the conditioned reflex activity in pigeons. p. 41.
- Sankin, A. G., Arutunova, N. L., Nikolaeva, E. A. - Effect of the vitamins B<sub>1</sub>, B<sub>6</sub>, B<sub>12</sub> and C on the motor activity of the stomach, the small and the large intestines in patients with chronic enterocolitis and colitis. p. 45.
- Abdulkhmanov, F. A. - Cholesterol metabolism in atherosclerosis. p. 50.
- Isaeva, T. M., Levoshin, V. V. - Dynamics of lipid metabolism indices in experimental arteriosclerosis. p. 55.
- Chuzhova, Z. P. - "Kunzha," a medicinal and dietetic beverage from cow's milk. p. 58.
- Belkina, L. M. - Vitamin D requirements of breast-fed infants. p. 63.
- Korobkov, G. G., Tereshchenko, I. F. - Effect of vitamin B<sub>1</sub> deficiency in food on the susceptibility of albino rats to plague infection. p. 67.
- Nikolova, S. A., Mazokhina, N. N. - Development of toxigenic strains of a *Clostridium perfringens* culture in canned food. p. 71.
- Skakun, N. P., Pasachnik, I. Kh. - Wild strawberry as a choleagogue. p. 75.
- Pavlova, L. B. - Copper and iron content in children's diet in a Pioneer camp and their blood picture. p. 77.
- Vorob'eva, A. I., Bol'shagina, N. A. - Zinc and iron content in the food served in Tomsk children's institutions. p. 78.
- Kadanov, E. D. - Content of some trace elements in semi-processed sea kale. p. 80.
- Khmeleva, M. G., Storozhuk, E. D. - Methods of determining the bread content in ground-meat dishes. p. 81.
- Sumitsov, B. M. - "Vitamins, their chemistry and biochemistry" by Jiri Franget. p. 82.
- Aptekar, S. G., Braksh, T. A., Orlova, N. V. - 15th scientific session of the Institute of Nutrition of the Academy of Medical Sciences of the U.S.S.R. p. 84.
- \*VOPROSY VIROSOLOGII [PROBLEMS OF VIROLOGY].**  
Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 10, no. 1, Jan.-Feb. 1965.
- Table of contents translated
- Erslov, F. I. - Symplasm-forming activity of viruses. p. 3.
- Agol, V. I., Shirman, G. A. - Formation of virus particles on the account of enzyme systems and structural proteins induced by another "helper" virus. p. 8.
- Kaverin, N. V. - Study of the early stages of the interaction of viruses with sensitive cells. Report No. 3: Significance of the phosphate groups of the cell membrane for firm attachment of the virus to the cellular surface. p. 14.
- Kostakov, P. N., Rovnova, Z. I. - Antigenic components of the host in the viral structure. p. 17.
- Protsenko, A. E., Legunkova, R. M. - Electron microscopy of wheat streak mosaic virus. p. 23
- Lipkin, M. E., and others - Use of the fluorescent method for the detection of poliomyelitis and rabies viruses. p. 26
- Pogodina, V. V., Khan, Shit-tse [Han Shih-chieh]. - Study on the correlation between the pathogenicity of viruses of the tick-borne encephalitis group to animals and the characteristics of multiplication in the organism. Report No. 2. Detection by the fluorescent antibody method of noninfectious viral antigen in the organs of animals infected with the Malaya Langat (TP-21) virus. p. 30
- Vorob'eva, M. S. - Experimental study of humoral immunity in reptiles infected by tick-borne encephalitis virus. p. 36.
- Gendon, I. U. Z., Romanova, N. M. - Study of the nature of the S-character of poliomyelitis virus. p. 41
- Nadachuk, L. V. - Intratype antigenic variations of the type I poliomyelitis. p. 46
- Menkevich, L. M. - Interference of enteroviruses in tissue cultures. p. 50
- Duca, M., and others - Immunoepidemiological study of the natural variability of A and B viruses in Rumania for the past 30 years. p. 56.
- Bolotovskii, V. M., Kolchurina, A. A. - Study of the interaction of inhibitor-sensitive and inhibitor-resistant vaccinal strains of the A2 influenza virus. p. 61
- Aleksandrova, G. I. - Reactogenic and immunogenic properties and epidemiologic effectiveness of extra attenuated vaccinal strains of the influenza virus (observations in children of preschool age). p. 67
- Pichushkov, A. V. - Inhibition of hemagglutination by parainfluenza type 1, 2, 3 viruses. p. 74
- Barinskii, I. F., Bolotovskii, V. M., Anan'ev, V. A. - Transfer of infection in mouse hepatitis. p. 79
- Sonov, G. P., Vinogradov, V. I. A. - Experimental study of some modifications of the indirect hemagglutination reaction in tick-borne rickettsiosis of northern Asia. p. 83.
- Kolesnikova, L. I., and others - Results of hyperimmunization of animals with measles virus. p. 87.
- Petrov, I. U. K. - Allergens of the allantoic fluid in chick embryos infected with influenza virus. p. 91.
- Isachenko, V. A., Smirnova, G. A., Gorbunova, A. S. - Isolation of an inhibitor-sensitive variation from an inhibitor-resistant culture of A2 influenza virus by gel filtration on sephadex. p. 97
- Terstikh, L. I., Bekteshova, A. I. U. - Aerosol vaccination with tissue culture vaccine against ornithosis. Preliminary report. p. 99
- Voinov, I. I. - Obtaining a transplantable line of cell cultures from kidney tissue of human embryo and study of its sensitivity to standard strains of enteroviruses. p. 100.
- Fidel'man, E. S. - Change in the content of lysozyme in the saliva of persons in antirabies vaccination. p. 105
- Gaidamovich, S. I. A., Duan Suan Myou - Diagnosticum for the hemagglutination inhibition reaction with Japanese encephalitis virus. p. 105.
- Mironova, L. L., Mamonenko, L. L., Gol'drin, N. E. - Modified method for trypsinizing the kidneys in monkeys. p. 110
- Drozhin, R. S., and others - Various possibilities of using the hemagglutination and hemagglutination inhibition reactions with adenoviruses. p. 111.
- Kamatov, I. I. - Indication of *Rickettsia burnetii* by the indirect hemagglutination reaction. p. 117.
- VSESOIUZNOE ENTOMOLOGICHESKOE OBNCHESTVO. Trudy [ALL-UNION ENTOMOLOGICAL SOCIETY. Transactions].** Leningrad, vol. 50, 1965.
- Table of contents translated
- Foreword. p. 3.
- Gilgor'eva, T. G. - Characteristics of the formation of harmful fauna in wheat fields and the problems of plant protection in virgin areas of northern Kazakhstan and the trans-Volga region. p. 5.
- Durov, V. N. - Nature of the formation of Hymenoptera fauna in the biocenoses of a wheat field after the development of virgin lands. p. 57.
- Tanskii, V. I. - Some characteristics of the fauna of thrips (Thysanoptera) as a component of steppe and wheat field biocenoses. p. 67.
- Karpova, A. I. - Fauna of fruit flies (Diptera, Chloropidae) of wheat fields and virgin steppes in the northern provinces of Kazakhstan. p. 73.
- Ageeva, A. G. - Species and abundance of *Chortophila* Macq. flies in populations of the virgin lands and wheat fields of Kustanay Province. p. 89.
- Titova, E. V., Zhavoronkova, T. N. - Effect of virgin steppe planting on species and the abundance of ground beetle populations (Carabidae). p. 103.
- Popov, G. A. - Change in the composition of life forms of Orthoptera after the development of virgin steppes. p. 121.
- Vasil'ev, K. A. - Harmful locusts in the reclamation zone of virgin and fallow lands. p. 129.

- Gigor'eva, T.G. - Causes of the outbreak and disappearance of the cutworm *Hadena sordida* Bkh. invasion in virgin regions of Kazakhstan and Siberia, p.146.
- Bobinskaya, S.G. - Characteristics of the development of the cutworm *Hadena sordida* Bkh. in wheat fields and uncultivated steppe, p.162.
- Tanski, V.I. - Some factors regulating injuriousness of *Hadena sordida* Bkh., *Haplothrips tritici* Kuid. and stinkbugs in the wheat fields of the Virgin Territory, p.170.
- Shapiro, V.A. - Formation of the parasitic fauna of the cutworm *Hadena sordida* Bkh. in the wheat fields of the virgin lands of Kazakhstan, p.163.
- Novozhilov, K.V. - Chemical control of the cutworm *Hadena sordida* Bkh. as one of the measures in general control system, p.218.
- Zaeva, I.P. - Effect of chemical treatment on the bioecoses of a wheat field, p.228.
- Antonova, V.P. - Nature of the harmful fauna formation in grain fields of the limans of the trans-Volga region, p.240.
- Kudin, A.I. - Use of earth traps for studying the distribution and interaction of entomofauna components on the surface of the soil, p.272.
- ZHURNAL OBNCHCHI BIOLOGII [JOURNAL OF GENERAL BIOLOGY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.26, no.3, May-June 1965.
- Table of contents translated:
- Sukachev, V.N. - Basic problems of modern biocenology, p.249.
- Lavrenko, E.M., Sveshnikova, V.M. - Synthetic study of life forms as exemplified by the steppe turf grasses, a preliminary report, p.261.
- Gillanov, M.S. - Soil fauna as component of biocenosis, p.278.
- Arnold, L.V. - Zoobiocenological studies in the steppes of Kazakhstan and some general problems of biocenology, p.290.
- Semenova-Tian-Shanskaya, A.M. - Characteristics of the zonal change in herbaceous types of vegetation of the Russian Plain, p.300.
- Smirnova, E.S. - Types of seed structure in flowering plants from the phylogenetic point of view, p.310.
- Khudjak, M.I. - Some characteristics of the formation of hybrid seed in crossing *Linum usitatissimum* X *L. perenne* L., p.326.
- Rasnitsyn, S.P. - Use of taxonomic analysis in comparing the biotopes as to their fauna and population, p.335.
- Meerson, F.Z. - Problem of plastic protection of the physiological functions of the organism, p.341.
- Korolev, M.B., Neifakh, A.A. - Radiation study of the morphogenetic function of nuclei in tissue differentiation in the early development of foetus, p.352.
- Torgun, P.M., Potaskaev, A.M., Ivanova, T.M. - Histofunctional changes in the thyroid and adrenal glands under various functional conditions of the testis, p.358.
- Kabakov, E.N. - Is it possible to use photoreactivation as a model of postirradiation restoration? p.368.
- Luk'lanenko, V.I. - Comparative characteristics of humoral factors of the natural immunity of *Phocaena phocaena*, p.372.
- Serbeniuk, T.S.V., Ippolitova, G.S. - Mechanism of various types of respiratory movements in frogs, p.375.
- Kutlyev, P. - Nucleic acid content in the fibroin part of the silk gland in silkworm varieties different as to their productivity, p.378.
- Krellis, M.L. - Removal of milk from the alveolar to the clitoral part of the udder during milking, p.380.
- ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.44, no.2, 1965.
- Table of contents translated:
- Livanov, N.A., Porfir'eva, N.A. - "Annular hypothesis" on the origin of Pogonophora, p.161.
- Gavaskina, N.S., and others. - Manometric method for determining the gas exchange intensity in aquatic animals, p.169.
- Ivanov, A.I. - Study of the growth of the Black Sea mussel (*Mytilus galloprovincialis* Lk.) based on underwater observations, p.178.
- Chislenko, L.L. - Distribution of Harpacticoida (Crustacea, Copepoda) on various algae of the White Sea, p.185.
- Mazokhin-Porshnikov, G.A., Vishnevskaya, T.M. - Proof of the capacity of insects to discriminate a circle, triangle and other simple figures, p.192.
- Loganova, M.M. - New species of jumping plant lice (Homoptera, Psyllidae) of the U.S.S.R., p.198.
- Vinogradova, E.B. - Autogenous development of the ovaries in bloodsucking mosquitoes, p.210.
- Svetovidov, A.N. - Specific differences between the European and North Pacific *Eleginus navaea* and the taxonomic position of the codfish *Eleginus navaea* of Arctic Alaska and Canada, p.220.
- Gibet, L.A., Zhmaeva, Z.M., Berman, D.I. - Birds and their role as fosterers of *Ixodes persulcatus* in a natural focus of the tick-borne encephalitis in Kalinin Province, p.228.
- Nikitin, B.A., Chernomordik, A.A. - Characteristics of the obliteration of cranial sutures in mammals. Report No.11 Carnivora, p.241.
- Sveshnikova, N.P., Karaseva, E.V. - Leptospirosis in wild mammals of North America, p.253.
- Soldatova, A.N. - Use of various methods of rodent marking in ecological studies, p.269.
- Parovschikov, V.I.A. - Distribution and abundance of the wild reindeer in the Archaic North, p.276.
- Zuev, G.V. - Basic characteristics and adaptive significance of the evolution of the shell in Cephalopoda, p.284.
- Bairamova, R.A. - New data on tick-borne spirochetosis, p.287.
- Dzhalan, M.N. - Occurrence of *Cyclops vicinus* var. *kikuchi* Smith. in Kuybyshev Reservoir, p.288.
- Alifanov, V.I. - Ecology and distribution of ticks *Ixodes apronophorus* P. Sch. in Western Siberia as related to their role in carrying tularemia, p.291.
- Nikitina, R.E. - Mechanism of the transmission of the causative agent of spirochetosis of birds by the tick *Aargas persicus* (Oken, 1818), p.294.
- Shek, G.Kh. - Noctuid pests (Noctuidae, Agrotinae) of Kazakhstan, p.296.
- Merychevskaya, O.I. - New vector for caterpillars, p.299.
- Luk'lanenko, V.I. - Natural antibodies in fishes, p.300.
- Kioshkin, V.I., Gurtovoi, N.N., Il'ichev, V.D. - Adaptive characteristics of the skin of the external part of the acoustic analyzer in birds, p.304.
- Kuz'mina, I.E. - Saliva and steppe pika in the upper Pechora Valley, p.307.
- d CHEMISTRY**
- AKADEMIA NAUK ARMIAANSKOI SSR, Eriyan, Izvestiya, Khimicheskoe nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R., Bulletin, Chemical Sciences].** Eriyan, vol.18, no.1, 1965.
- Table of contents translated:
- Kostanian, K.A., Lizzuklan, E.A. - Electroconductivity of fluoride glasses in a molten state, n.3.
- Khramovskiy, Kh.M. - Polarographic study of the catalytic decomposition of hydrogen peroxide in homogeneous alcohol-aqueous solutions, p.6.
- Edolian, R.S., Manvelian, M.G., Babayan, G.G. - Physicochemical studies of the systems containing  $\text{Na}_3\text{AlF}_6$ ,  $\text{K}_3\text{AlF}_6$ , and  $\text{Li}_3\text{AlF}_6$ . Part 1. Fusibility diagram of the system  $\text{Na}_3\text{AlF}_6$  -  $\text{K}_3\text{AlF}_6$ , p.10.
- Avakian, S.N., Karapetian, R.A. - Complex compounds of chromium and manganese with 1-dimethylamino-2-butyne, p.15.
- Darbinian, M.V., Kapantsian, E.E. - Separation of gold, selenium, and tellurium by ion exchange chromatography, p.18.
- Babayan, A.T., Indzhikian, M.G., Gegelian, Zh.G. - Amines and ammonium compounds, Part 25. Alkaline decomposition quaternary ammonium salts containing a tertiary butyl substituent in the  $\beta$ -position of the  $\gamma$ -unsaturated group, p.25.
- Varianian, S.A., and others. - Chemistry of vinylacetylene, Part 56: Addition of the chloromethyl ethers to methylvinylvinylchloromethane and 1-vinylvinyl-1-chlorocyclohexane, and some transformation of the chlorides obtained, p.32.
- Dovlatian, V.V., Chakrian, T.O., Eliazian, K.A. - Synthesis of herbicides, Part 14: Alkyl esters of o-chloro and o-trichloroacetyl glycolic acids, p.36.
- Mkrian, G.M., Mindzhoian, Sh.L. - Reactions of ethers with unsaturated radicals Part 3: Splitting of 1,4-dialkoxy-2-butyne, p.44.
- Mkrian, G.M., and others. - Halo derivatives of dienes, Part 11: Some chloro derivatives of butadiene, p.50.
- Matsolian, S.G., Saakian, A.A. - Cyclic polymerization and copolymerization, Part 35: Polymerization of allylic vinyl ethylvinylcarbinols, p.60.
- Matsolian, S.G., Morikian, N.M., Saakian, A.A. - Cyclic polymerization and copolymerization, Part 36: Radical polymerization of some vinylacetylene compounds, p.68.
- Arolan, A.A., Azarian, A.S., Iradian, M.A. - Quinoline derivatives, Part 4: Reactions of 1,2,3,4-tetrahydroquinoline, p.76.
- Agabalian, S.G., Nersisyan, L.A., Nshanian, A.O. - Use of nitribilum salts in the synthesis of heterocyclic amino acids, Part 3: Synthesis of derivatives of 3-4-dihydroisoquinoline-1-(1'-alkyl)-acetic acids, p.83.
- Torzian, A.G., Aznavurian, N.V., Tatevosian, G.T. - Indole derivatives, Part 16: Synthesis of  $\beta$ -methyl and  $\beta$ -dimethyl-5-carboxytriptamines, p.88.
- Manvelian, M.G., Grigorian, G.O., Karakhanian, S.S. - Complex processing of table salt, Part 2: Decomposition of ammonium chloride by sulfuric acid with the production of ammonium bisulfate and hydrogen chloride, p.92.
- Aichudzhian, A.A., and others. - Chemical treatment of tailings of Svanitsk non-olivine ores obtained by the concentration by magnetic separation, Part 2: Solubility of tailings in sulfuric and nitric acids, p.96.
- Saladian, A.O., Kocharian, K.S. - Synthesis of polyvinylformaldehyde from an aqueous dispersion of polyvinyl acetate, Part 3: Consecutive acetalization of polyvinyl alcohol by formaldehyde and acetaldehyde in a diluted acetic acid medium, p.101.
- Alkavian, E., Isabekian, S., Durgarian, A. - Polarographic behavior of polyhalogen organic compounds. Reduction of methyl pentachloroethyl ketone, p.114.
- Mushagian, L.G., Tarafian, V.M. - Composition of a rhodium thiocyanate complex compound, p.116.
- Zallanian, M.G., Dangian, M.T. - Synthesis of unsaturated  $\beta$ -lactones. Preparation of 3-butyl-6-methyl-3,4-dihydro-4-pyone, p.121.
- Varianian, S.A., Noravian, A.S., Zhamagoridian, V.N. - Interaction of hydrogen sulfide with  $\beta$ -methoxy ketones in the presence of sulfuric acid, p.124.
- Vaitanian, S.A., Pirenian, A.K., Tokmadzhian, R.V. - Dehydration of tertiary diacetylenic glycols, p.126.
- AKADEMIA NAUK SSSR, Izvestiya, Neorganicheskoe materialy [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin, Inorganic Materials].** Moscow, vol.1, no.1, Jan.1965.
- Table of contents translated:
- Zhavoronkov, N.M. - Inorganic chemistry and new materials, p.5.
- Abrikosov, N.Kh. - Basic problems in alloying semiconductors, p.11.
- Meerson, G.A. - High-melting and solid compounds, p.16.
- Rykalin, N.N., Shorogorov, M.Kh., Krasulin, I.U. - Physical and chemical problems in welding heterogeneous materials, p.28.
- Dortman, V.F., Bol'shakov, K.A., Kistiakov, I.P. - Transport reactions in germanium precipitation by the iodide method, p.37.
- Marchenko, V.I., Samsonov, G.V. - Preparation and certain physicochemical properties of lanthanum sulfides, p.47.
- Kaltin, V.I., Iarembash, E.I., Luzhina, N.P. - Praseodymium sesquioxide, p.53.
- Abrikosov, N.Kh., Danilova-Dobriakova, G.T. - Phase diagram of the system  $\text{Bi}_2\text{Te}_3$  -  $\text{GeTe}$ , p.57.
- Iarembash, E.I., Eliseev, A.A., Zinchenko, K.A. - Neodymium tellurides, p.60.
- Palkina, K.K., Kuznetsov, V.G. - Microstructure of alloys of the systems  $\text{Bi}_2\text{Se}_3$  -  $\text{Sb}_2\text{Te}_3$ ,  $\text{Bi}_2\text{Te}_3$  -  $\text{Sb}_2\text{Se}_3$  and solubility of  $\text{Bi}_2\text{Te}_3$  in  $\text{Sb}_2\text{Se}_3$ , p.68.
- Krainukov, N.I., and others. - Removal of oxygen-containing impurities from compounds of the AII BVI type, p.77.
- Meerson, G.A., Rakitskaya, E.M. - Conditions of the preparation of titanium nitride and carbonitride from its dioxide, p.80.
- Grinberg, I.A.Kh., Medvedeva, Z.S., Zhukov, E.G. - Study of the transfer of boron phosphide in the transport reaction process, p.88.
- Strel'nikova, I.A., Mirgalovskaya, M.S. - Coefficient of distribution of zinc in aluminum antimonide, p.91.
- Strel'nikova, I.A., Mirgalovskaya, M.S. - Phase equilibria in the system  $\text{Al} - \text{Sb} - \text{S}$ , p.98.
- Tananaev, I.V., Korot'kov, A.P. - Formation reaction methods of preparation, and ion-exchange properties of zinc hydrogen ferrocyanide, p.100.
- Tikavyl, V.F., Tsukurova, L.I. - Ion-exchange properties of zirconium phosphate, p.108.
- Kharitonov, I.U.A., Chudinova, N.N., Tananaev, I.V. - Infrared absorption spectra and thermal decomposition of gallium hydrogen phosphate  $\text{GaPO}_4$ ,  $\text{H}_3\text{PO}_4$ , 2  $\text{H}_2\text{O}$ , p.113.
- Grebenschikov, R.G., Toropov, N.A., Shileva, V.I. - Solid solutions of  $\text{Ba}_2\text{SiO}_4$  -  $\text{Ba}_2\text{GeO}_4$ , p.121.
- Toropov, N.A., Fedorov, N.F. - Study of the phase diagram of the systems calcium orthosulfate-neodymium orthosulfate and calcium orthosulfate-lanthanum orthosulfate, p.128.
- Chatyl, V.P., Lukachina, E.N. - Study of the kinetics and mechanism of the ferrite formation during the aging of metal hydroxide systems, p.131.
- Nakhodova, A.P., Batura, Z.E. - Preparation of finely dispersed powders of double and triple carbonates of barium strontium and calcium, p.136.
- Bustayev, I.U.A., Kuznetsova, A.A., Gorlacheva, L.F. - Ammonolysis of pentavalent and hexavalent molybdenum oxochlorides, p.142.



- Detimarskii, I. U. K., Andreeva, V. N., Kaptsova, T. N. - Reactions of metal oxides with fused sodium metaphosphate. p. 150.
- Tess, D., Ormont, B. F. - Measurement of the electroconductivity of semiconductors by the contact method under pressure. p. 156.
- AK. DEMIA NAUK SSSR, Izvestiya, Seriya khimicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Chemical Series], Moscow, no. 3, 1965.
- Table of contents translated
- Pikaev, A. K., Glazunov, P. I., Spitsyn, V. I. - Approximate values of rate constants for radiation reactions of hydrogen atoms and hydroxyl radicals in aqueous solutions. p. 401.
- Avramenko, L. I., Kolesnikova, R. V., Savinova, G. I. - Mechanism and rate constant of the reaction between oxygen atoms and acetylene. p. 408.
- Polievkov, M. K., Mairanovskii, S. G. - Effect of concentration and nature of supporting electrolyte cations on polarographic catalytic hydrogen waves generated by pyridine in nonbuffer solutions. p. 413.
- Kazakova, Z. S., Parini, V. P., Llogon'kii, B. I. - Aromatic nitrogen-containing polymers from quinone bischlorimide. p. 419.
- Englin, B. A., Freidlin, R. Kh. - Chain transfer constants in telomerization of ethylene by chloroform. p. 425.
- Zhulin, V. M., Konigberg, M. G., Balkova, R. I. - Radical polymerization of vinyl acetate and its telomerization with carbon tetrachloride at high pressures. p. 432.
- Mikhailov, B. M., Kozminskaya, T. K. - Organoboron compounds. Report No. 139. Reactions of organothio-boric acid esters with some bifunctional compounds. p. 430.
- Mikhailov, B. M., Ter-Sarkisian, G. S., Bystrova, A. A. - Polyene compounds. Report No. 17. Condensation of vinyl ethyl ether with this ketals. p. 443.
- Andrianov, K. A., and others. - Reactions of dimethyl-cyclosilazanes with n-butyl alcohol and n-butyl borate. p. 446.
- Zel'fman, I. U. V., Gambarian, N. P., Kununlants, I. L. - Imines of perfluoro ketones. p. 450.
- Vasileva, E. I. - Condensation of  $\alpha$ ,  $\alpha$ ,  $\gamma$ -trichlorobutyric acid chloride with benzene. p. 457.
- Chukovskaya, E. T. S., Kamysheva, A. A., Freidlin, R. Kh. - Reactions of carbon tetrachloride with unsaturated compounds in the presence of dicyclohexyl peroxycarbonate or oxidation-reduction systems. p. 461.
- Isaeva, Z. G., and others. - Oxidation of  $\Delta^3$ -carene by mercury acetate. p. 466.
- Isaeva, Z. G., Arbutov, B. A., Ralner, V. V. - Oxidation of  $\Delta^3$ -carene by selenious acid. p. 475.
- Arbutov, B. A., Vereshchagin, A. N. - Steric relations in diene synthesis reaction of cyclopentadiene with monosubstituted ethylenes. p. 486.
- Kochetkov, N. K., Usov, A. I. - Monosaccharides. Report No. 9. Synthesis of D-chitose. p. 492.
- Kalinovich, V. M., Derivitskaya, V. A., Kochetkov, N. K. - Glycopeptides. Report No. 13. Synthesis of o-aminoacyl derivatives of N-acetylglucosamine. p. 498.
- Iunusov, S. I., Mnatsakanian, V. A., Akramov, S. T. - Alkaloids of some species of Papaver and Roemeria and the structure of fupagapavin. p. 502.
- Gol'dfarb, I. A. L., Litvinov, V. P., Ozolin', S. A. - Thiophene series. Report No. 6. Cyclization of 3-acetylmercaptothiophenes in the presence of aluminum chloride. p. 510.
- Gol'dfarb, I. A. L., Fabrichnyi, B. P., Rogovik, V. I. - Syntheses and some transformations of methoxymethylthiophenes. p. 515.
- Khutareva, G. V., Shishkina, M. V., Davydov, B. E. - Polymerization of propiolic acid salts. p. 520.
- Rafikov, S. R., and others. - Synthesis of oligomeric polymethylenephosphinic acids. p. 526.
- Shapiro, E. S., Shostakovskii, M. F. - Chemical reactions of phthalylglycine vinyl ether. p. 528.
- Shostakovskii, M. F., and others. - Some features of vinylindole chlorination in halogenation reactions. p. 529.
- Freidlin, L. Kh., Sharf, V. Z., Tukhtamurov, Z. T. - Catalytic dehydration of a mixture of isopentanol and concomitant conversions of formed isopentenes. p. 531.
- Isabekhan, S. E., Zhdanov, S. I. - Polarography of diiodoacetylene. p. 534.
- Kaplan, E. P., Kazakova, Z. I., Petrov, A. D. - Interaction of lithium adduct of benzene with  $\text{tert-C}_4\text{H}_9\text{Cl}$  and  $\text{n-C}_4\text{H}_9\text{Cl}$ . p. 537.
- Nefedov, O. M., Shafra, R. N. - Comparative study of various methods of preparation of dichlorocarbene. p. 538.
- Khidkei', M. L., and others. - Catalytic hydrogenation of quinones in the presence of Pt, Pd, and Rh catalysts. p. 542.
- Derzhinskii, A. R., Mavrov, M. V., Kucherov, V. F. - Synthesis of acids of the polyacetylene series. p. 544.
- Mavrov, M. V., Kucherov, V. F. - Synthesis of esters of stereoisomeric 4, 5-dimethyl-2, 4-heptadien-6-ynoic acid. p. 546.
- Neiman, M. B., Rozantsev, E. G., Golubev, V. A. - First stable triradicals. p. 548.
- Chep'tsova, M. A., Komarova, S. D., Petrov, A. D. - Reaction of organolithium compounds of p-bromobiphenyl and p-bromo (chloro) diphenylmethane with dimethylchlorosilane and germane. p. 550.
- Tartakovskii, V. A., and others. - Methyl ester of phenyltrimethane in the reaction of 1, 3-dipole cycloaddition. p. 552.
- Elitakova, L. A., Elitakov, G. B. - Glycosides from Acanthopanax sesuviflorum roots. p. 555.
- Kuznetsova, Z. I., Ivanova, V. S., Shorygina, N. N. - Some new data on the interaction between cellulose and gaseous nitrogen oxides. p. 557.
- Luzikov, V. N. - Chemical modification of trypsin under the effect of irradiation by ultraviolet light. p. 559.
- Ter-Sarkisian, G. S., Mikhailov, B. M. - Condensation of unsaturated thiols of the terpene series with orthoformic ester. p. 561.
- Kostianovskii, R. G., Pan'shin, O. A. - Cleavage of asymmetrical heminal amines. p. 564.
- Kostianovskii, R. G., Pan'shin, O. A. - N, N'-methylene- and benzylidenebisethylenimines. p. 567.
- Naryshkina, T. I., Bel'skii, I. F. - Synthesis of cyclopentadiene homologs. p. 570.
- Rozantsev, E. G., and others. - New stable iminoxy biradicals. p. 572.
- Shergina, S. I., and others. - Chemical properties of diethynylarenes. p. 574.
- Zakharin, L. I., Kalinin, V. N. - Reaction of amines with barenes. p. 579.
- Nefedov, O. M., Kolesnikov, S. P., Novitskaya, N. N. - Addition of trichlorogermane to cyclopropane derivatives. p. 570.
- Nesmelanov, A. N., and others. - Pyrolysis of mercury derivatives of ferrocene. p. 580.
- No. 4, 1965.
- Table of contents translated:
- Kuznetsov, A. K., Keler, E. K., Fan' Fu-kan [Fan Fu-kang]. - Rare-earth zirconates and their physico-chemical properties. Report No. 2. Praseodymium zirconate  $\text{Pr}_2\text{Zr}_2\text{O}_7$ . p. 585.
- Nikolaev, N. S., Astakhov, I. I., Luk'yanchev, I. U. A. - Mechanism of formation of fluoride films on nickel and their properties. p. 588.
- Buben, N. A., Tikhomirov, L. A., Beliaeva, V. A. - Kinetics of free radical accumulation in the radiolysis of solids. p. 594.
- Vereshchagin, A. N., Arbutov, B. A. - Dipole moments and the structure of adducts of hexachlorocyclopentadiene with halo-substituted ethylenes. p. 598.
- Rodonov, A. N., and others. - Infrared spectra of isotope-substituted ethyllithium molecules. p. 604.
- Ikerson, V. I., Lafer, L. I. - Gas-liquid chromatography of pyridine bases. p. 611.
- Minachev, Kh. M., and others. - Isotopic exchange of hydrogen in hydrocarbons on rare-earth oxides. Report No. 3. Deuterium exchange in hydrocarbons on gadolinium oxide. p. 618.
- Kirgintsev, A. N., Efanov, I. N. - Periodical singularities on the viscosity polytherms of tributyl phosphate and its solutions. p. 625.
- Velichko, F. K., Lavrent'ev, I. P., Chizhov, I. U. P. - Telomerization of ethylene by carbon tetrachloride in the presence of redox systems. p. 632.
- Gelderikh, M. A., Davydov, B. E., Krantsel', B. A. - Thermal conversion of polyacrylonitrile. p. 636.
- Zakharin, L. I., Gavrilenko, V. V. - Synthesis of aluminum trihydride complexes of MAIRH<sub>3</sub> structure. p. 644.
- Chernyshev, E. A., Dolgala, M. E., Lubuzh, E. D. - Addition of arylfluorosilicon hydrides to styrene. p. 650.
- Kadina, M. A., Ponomarenko, V. A. - Photochemical chlorination of trifluoropropylchlorosilanes and the synthesis of unsaturated trifluoroalkylchlorosilanes. p. 654.
- Fromberg, M. B., and others. - Exchange decomposition reaction between alkyl (aryl) trisodiumhydroxysilanes and methylphenyldichlorosilane. p. 660.
- Kabachnik, M. I., Giliarov, V. A., Chzhan Chzhen-de [Chang Cheng-tieh]. - Trialkyl-N-acylimidophosphates as conjugated systems. p. 665.
- Arbutov, B. A., and others. - Products of interaction of chloroacetone and  $\omega$ -bromoacetophenone with diphenylphosphinic acid esters. p. 669.
- Arbutov, B. A., Isaeva, Z. G., Gubaidullin, M. G. - Structure of (-) alcohol from the reaction of  $\Delta^3$ -carene oxidation in the presence of chromic anhydride. p. 678.
- Ianovskaya, L. A., Kovalev, B. G., Kucherov, V. F. - Chemistry of acetals. Report No. 16. Ways of synthesizing symmetric and asymmetric difunctional polyene compounds. p. 684.
- Gusev, B. P., Nazarova, I. I., Kucherov, V. F. - Chemistry of polyene and polyacetylene compounds. Report No. 12. Hydration of tertiary alcohols and glycols of the diacetylenic series. p. 688.
- Fisher, L. B., Kotlarevskii, I. L. - Highly unsaturated polymers. Report No. 11. Monoatomic and diatomic alcohols, derivatives of p-diethynylbenzene. p. 692.
- Shostakovskii, M. F., and others. - Triethanolamine vinylation reaction. p. 698.
- Sidel'kovskaya, F. P., Avetisyan, A. A., Shostakovskii, M. F. - Lactones and lactams. Report No. 25: Allylthiolactams. p. 703.
- Shostakovskii, M. F., and others. - Synthesis of primary-tertiary acetylenic  $\beta$ -glycols. p. 700.
- Mikhailov, B. M., Vasil'ov, L. S., Bezmenov, A. I. A. - Transformations of tetraethyl ester of butane-1, 4-dithioboric acid under the effect of amines. p. 712.
- Shchegoleva, T. A., Mikhailov, B. M. - Boronic salts from di-n-butyl boron chloride. p. 714.
- Golubev, V. A., Rozantsev, E. G. - Stobbe's condensation with a free iminoxy radical. p. 716.
- Rozantsev, E. G., Golubev, V. A. - Free tetra-radicals. p. 718.
- Vol'pin, M. E., Shur, V. B., Bichin, L. P. - Study of nitrogen fixation on complex catalysts by means of  $\text{N}_2^{15}$ . p. 720.
- Gambarian, N. P., Knunlants, I. L. - Hexafluoroacetone as an acceptor of hydride ions. p. 722.
- Krasuskaya, M. P., Knunlants, I. L., Gambarian, N. P. - Nucleophilic addition of hydrogen halides to perfluoroisobutylene. p. 723.
- Korshak, V. V., Krongauz, E. S., Rusanov, A. L. - Synthesis of linear poly-1, 3, 4-oxadiazoles. p. 726.
- Nazarova, I. I., Gusev, B. P., Kucherov, V. F. - Regularities in the addition of secondary amines to diacetylenic alcohols. p. 729.
- Nesmelanov, A. N., and others. - Stability of some ferrocene salts. p. 731.
- Bel'skii, I. F., Abgaforova, G. E., Shulkin, N. I. - Synthesis of trialkyl derivatives of pyrrole and pyrrolidone. p. 734.
- Kormanovskaya, G. N., Vlodavets, I. N. - Kinetics of acetalization of polyvinyl alcohol by aliphatic aldehydes in aqueous solutions. p. 737.
- Pan'shin, O. A., Kostianovskii, R. G. - N-alkoxymethyl ethylenimines. p. 740.
- Tychinskaya, I. I., Opalovskii, A. A., Nikolaev, N. S. - Reaction of lithium hexafluorogermanate with hydrogen fluoride solutions. p. 744.
- Zav'yalov, S. I., Gunar, V. I. - Case of  $\gamma$ -pyrone ring formation in the reaction of diketene with urea derivatives. p. 747.
- Gambarian, N. P., and others. - Bis (trifluoromethyl) ketene anil. p. 749.
- Babievskii, K. K. - Reduction of esters of substituted  $\alpha$ -nitroacrylic acids on a skeletal nickel catalyst. p. 750.
- Glukhovtsev, V. G., Zakharova, S. V. - Interaction between furan derivatives and acrylic acid chloride. p. 751.
- Zamaraev, K. I., Tikhomirova, N. N. - Study of copper compounds with triethanolamine in aqueous solutions by the electron paramagnetic resonance method. p. 753.
- Mironov, V. F., Gar, T. K. - Synthesis and transformations of tribromogermane. p. 755.
- Stepanov, V. M., and others. - Phosphoserine-containing peptide fragment of pepain. p. 759.
- Vargafik, M. N., Molisev, I. I. - Carbonium ions in the reactions of oxidation of olefins by palladium chloride. p. 760.
- Zakhar'chev, A. V., and others. - Synthesis of 18-nor-13-allylesterones. p. 760.
- Minasian, R. B., and others. - Bis (trifluoromethyl) cyclohexanemethane. p. 761.
- Khidkei', M. L., Grebenshchikov, I. U. B. - Molecular nitrogen fixation from nitrogen-hydrogen mixtures by the carrier stabilized complexes. p. 761.
- Nesmelanov, A. N., and others. - Isotopic exchange of hydrogen atoms in cyclopentadienyl rhenium tricarbonyl. p. 762.
- Nesmelanov, A. N., Borisov, A. E., Novikova, N. V. - Organometallic derivatives of ethylene. p. 763.
- No. 5, 1965.
- Table of contents translated:
- Surinova, S. I., Bering, B. P., Serpinskii, V. V. - Adsorption of gas mixtures. Report No. 7: Coadsorption of a binary mixture of vapors on active carbon. p. 769.
- Kochetkov, N. K., and others. - Mass spectrometric study of carbohydrates. Report No. 3: Mechanism of decomposition of 2, 3, 4, 6-tetramethyl- $\alpha$ -methyl-D-glycoside. p. 770.
- Slovokhotova, T. A., and others. - Catalytic hydrogenation of ethane and cyclohexane on Ni-Kieselguhr catalysts. p. 785.
- Martynov, A. A., Bul'ychev, V. P., Orlov, Kh. I. A. - Catalytic conversions of high-molecular weight paraffins. Report No. 2: Isomerization of n-octadecane in the presence of  $\text{WS}_2$  and  $\text{WS}_2$  aluminosilicates industrial catalysts. p. 792.

- Nov, A.A., Orlov, Kh. I.A. - Catalytic conversion of high-molecular weight paraffins. Report No. 3: Effect of benzene addition on the isomerization of octadecane in the presence of the industrial catalyst WS<sub>2</sub>. p. 786.
- Nikova, L.A., Rozantsev, E.G., Chaikin, A. - Pressure of saturated vapors of some stable radicals. p. 800.
- Orlov, I.U.A., and others. - Study of tetracyclines. Report No. 33: Synthesis of 8-chloro-5-methoxy-3,10-dihydro-1,2,3,4,4a,9a,10-octahydroanthracene. p. 76.
- Orlov, I.U.A., Kochetkov, N.K., Khorlin, A.I.A. - Terpene saponins. Report No. 15: Clematolide C, terpene oligoside from roots of Clematis flammula Rupr. p. 811.
- Orlov, I.U.A., L.D., Batrakov, S.G. - Unsaturated acids and their lactones. Report No. 10: Synthesis of compounds related to methylmalic. p. 818.
- Orlov, I.U.A., Egorov, T.S.A., Stepanov, V.M. - Reaction of disulfide bonds in inactivated hog pepsin. p. 815.
- Orlov, I.U.A., Kravchenko, N.A., Kaveranova, E. - Role of  $\epsilon$ -amino groups of lysine in lysosomes. p. 830.
- Orlov, I.U.A., Andreeva, I.S., Arbutov, B.A. - Isomerization of  $\alpha$ -pinene and  $\Delta^3$ -carene oxides with dimethylamine. p. 838.
- Orlov, I.U.A., Kucherov, V.F., Ivanova, L.N. - Chemical transformations of methyl ether of 18-nor- $\Delta^9(11)$ -estra-15,17-dione. p. 843.
- Orlov, I.U.A., and others. - Chemistry of polyene and acetylene compounds. Report No. 13: Synthesis of alkylamino derivatives of the diacetylene series. p. 86.
- Orlov, I.U.A., Kucherov, V.F. - Chemistry of polyene polyacetylene compounds. Report No. 14: Aldehydes of the diacetylene series and their use in the synthesis of vinylideneacetylene acids. p. 851.
- Orlov, I.U.A., Mironov, V.F. - Synthesis and transformations of tribromogermene. p. 855.
- Orlov, I.U.A., Zakharin, L.I. - Reduction of  $\alpha$ -oxides by diisobutylaluminum hydride and the mechanism of action on  $\alpha$ -oxides of simple aluminum hydrides. p. 862.
- Orlov, I.U.A., and others. - Transformations of 6-phenyl-2-pyrone. p. 870.
- Orlov, I.U.A., Somov, G.V. - Relative reactivity of isopentenone, cyclohexanone, and alkylcyclohexanone, and alkylcyclohexanones in the reaction of catalytic addition to  $\alpha$ -olefins. p. 878.
- Orlov, I.U.A., Sagalovich, A.V. - Gas-liquid chromatography of mixtures of water with oxygen-containing compounds. p. 882.
- Orlov, I.U.A., Eldes, L.A.T. - Initiation of hypopolymerization reaction of olefins during their hydrogenation in the presence of a cobalt catalyst at 200°C. p. 88.
- Orlov, I.U.A., Pervova, E.I.A. - Alkylation of peracetylated iodides by diazomethane. p. 894.
- Orlov, I.U.A., L.B., and others. - Infrared spectra of dimethyltetraphenylphosphoranes and their salts. p. 895.
- Orlov, I.U.A., Kiselev, V.G., Bubnov, I.U.N. - Alkylation of  $\alpha$ -olefins from trialkylboron. p. 898.
- Orlov, I.U.A., Slovetzskaya, K.I., Brucva, T.R. -  $\alpha$ -ene and n-hexane adsorption on aluminum oxide. p. 90.
- Orlov, I.U.A., Slovetzskaya, K.I., Brucva, T.R. - Reaction of methanol on aluminum-chromium-aluminum catalyst. p. 903.
- Orlov, I.U.A., E.I., and others. - Phase diagram of the iron-bismuth oxide-ferrous oxide. p. 905.
- Orlov, I.U.A., E.G., Iur'eva, L.P., Nesmelanov, A.N. - Reaction products of phenylferrocene cyanation of ferrocene. p. 907.
- Orlov, I.U.A., and others. - Redox potentials and absorption spectra in ultraviolet and visible regions in some homoannular disubstituted ferrocene derivatives. p. 909.
- Orlov, I.U.A., Nelman, M.B., Mamedova, A. - Reactivity of some stable radicals. p. 911.
- Orlov, I.U.A., and others. - Synthesis of dihydroxy diphosphate glucose. p. 914.
- Orlov, I.U.A., F.K. - Substitutions of halogen by chlorine in zinc compounds by means of mercuric chloride. p. 916.
- Orlov, I.U.A., and others. -  $N$ -acyl derivatives of amine bearing di-(2-chloroethyl) amino group. p. 917.
- Orlov, I.U.A., and others. - Aromatizing capacity of boride catalysts of platinum group metals. p. 919.
- Orlov, I.U.A., L.I., Shostakovskii, M.F. - Interaction of vinyl esters of nitrobenzoic acids and hydrogen hydrate. p. 922.
- Orlov, I.U.A., Savel'eva, I.S., Serdikh, S.R. - Synthesis of some organomercury compounds. p. 923.
- Orlov, I.U.A., and others. - On a particular structural type of some oxoorthosilicates of rare-earth elements. p. 925.
- Orlov, I.U.A., E.P., Diatkin, B.L. - Synthesis of 2-dimethylfluoropropane (bis(trifluoromethyl)azidomethane). p. 926.
- Nametin, N.S., and others. - Synthesis of 1,1,3,3-tetra-substituted 1,3-dithiolacyclobutanes. p. 929.
- Mikhailov, B.M., Bezmenov, A.I.A. - Alkyl rearrangement in boron chemistry. p. 931.
- Zakharin, L.I., Zhigareva, G.G. - Five-membered chelate complexes of 1,2-bis (diphenylphosphino) benzene with metals. p. 932.
- Mulikov, V.F., and others. - Influence of paramagnetic centers on some physical properties of anthracene. p. 932.
- Beletskaya, I.P., and others. - Nuclear magnetic resonance spectrum of dibenzyl mercury. p. 933.
- Shishkin, G.V., Mamaev, V.P. - Synthesis of  $\beta$ -(pentafluorophenyl) alanine. p. 934.
- Annual General Meeting of the Department of General and Technical Chemistry of the Academy of Sciences of the U.S.S.R. held January 5, 1965. p. 933.
- Annual General Meeting of the Department of Biochemistry, Biophysics, and Chemistry of Physiologically Active Compounds of the Academy of Sciences of the U.S.S.R. p. 938.
- AZERBAIDZHANSKII KHIMICHESKII ZHURNAL [AZERBAIJAN CHEMICAL JOURNAL]. Issued by Akademiya nauk Azerbaidzhanskoi SSR [Academy of Sciences of the Azerbaijan S.S.R.] Baku, no. 3(33), 1964.
- Table of contents translated:
- Mekhtiev, S.D., Datin, M.A., Kambarov, I.U.G. - Role of Russian and Soviet scientists in the development of petrochemical science and industry in Azerbaijan. p. 3.
- Ashimov, G.G., Stopanlan, T.S., Cheifas, S.I. - Quality of condensates and gas-condensate pools in Azerbaijan. p. 11.
- Zelnatov, B.K., Akhundov, A.A. - Synthesis of naphthenic acids by direct oxidation of naphthenic hydrocarbons. p. 17.
- Kutlov, R.Sh., Musayev, G.T. - Production and comparison of the quality of aviation lubricants obtained by different refinery processing. p. 21.
- Pal'chikov, G.F. - Preparation of specimens of methane hydrocarbons by pilot plant extraction with aqueous pyridine. p. 29.
- Aliev, V.S., Rustamov, M.I., Sold-Rzaeva, E.M. - Gas dynamic characteristics of finely dispersed materials in a reactor with an ascending through-flow. p. 37.
- Nagiev, M.F., and others. - Experimental study of the dehydrochlorination of dichloroethane in order to obtain vinyl chloride in a reactor with a fluidized bed and ascending through-flow of a catalyst. p. 44.
- Mamedatov, I.U.G., Guseinov, M.M., Salakhov, M.S. - Synthesis of hexachlorobutadiene by exhaustive chlorination of 1,3-butadiene in a fluidized catalyst bed. p. 51.
- Kutlov, A.M., Mamedov, F.A., Mamedov, F.N. - Synthesis of trialkylphenyl triphosphites. p. 55.
- Movsumzade, M.M., Ismailova, F.G. - Hypochlorite oxidation of trimethylolpropane. p. 59.
- Akhmedzade, D.A., Iasnopol'skii, V.D. - Effect of the conditions of synthesis on the properties of polymers. p. 65.
- Pis'man, I.I., Datin, M.A., Vasil'kovskaya, G.V. - Dimerization of ethylene on nickel and cobalt catalysts. p. 69.
- Mamedov, Shamkhal, Gadzhiev, F.R., Rzaev, A.S. - Glycol ethers and their derivatives. p. 75.
- Petrova, Z.G., and others. - Preparation of sulfopolymer based on divinylbenzene and styrene, and study of their physicochemical characteristics. p. 83.
- Mamedatov, I.U.G., and others. - Polymerization of the styrene fraction of resin obtained in the pyrolysis of gases in the presence of various initiators. p. 91.
- Mamedov, T.I., Abdurakhmanova, N.M., Sadykhzade, S.I. - Copolymerization of pentenes with ethylene and propylene. p. 99.
- Zelenskaya, L.G., Mamedov, F.A., Semina, G.N. - Infrared absorption spectra of monochloro-substituted alkylcyclohexanes. p. 103.
- Kambarov, I.U.G., Kakhramanova, A.T., Mekhtiev, S.D. - Thermodynamic calculation of n-octane pyrolysis under pressure. p. 111.
- ELEKTROKHIMIYA [ELECTROCHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 1, no. 1, Jan. 1965.
- Table of contents translated:
- Pleskov, I.U.V. - Effect of oxygen adsorption on the components of the potential jump at the germanium-hydrofluoric acid interface. p. 4.
- Golovina, G.V., Florianovich, G.M., Kolotyrkin, I.A.M. - Kinetics of the initial stages of activation of iron-chromium alloys by halogen ions. p. 12.
- Frumkin, A.N., and others. - Use of the rotating disk electrode with a ring in conjunction with the method of triangular voltage pulses for studying electrode reactions. p. 17.
- Zhamagortslan, M.A., Uvarov, L.A., Vagranian, A.T. - Reversibility of a cobalt electrode at high temperatures. p. 20.
- Khaikin, B.I., Zolotovitskii, I.A.M., Tedoradze, G.A. - Faradic impedance of reversible catalytic processes. Part I. p. 23.
- Polukarov, I.U.M., Grinnin, V.V. - Some problems of the theory of electrodeposition of alloys. Part 10: Phase structure of electrolytic copper-lead alloys obtained from complex electrolytes. p. 31.
- Makarov, I.U.A., Rozental', K.I., Veselovskii, V.I. - Oxygen ionization on a silver electrode in alkaline solution. p. 38.
- Liamina, L.I., Gorbunova, K.M. - Mechanism of iron reduction from alkaline solutions. Part 1: Reduction of iron from alkali solutions saturated with hydrous iron oxide and from corresponding suspensions. p. 41.
- Rybkin, I.U.F., Shevchenko, N.F. - Volta effect and the acidity of electrolyte solutions. p. 46.
- Molodov, A.I., Losov, V.V. - Effect of the concentration of a foreign electrolyte on the cathodic process on amalgam electrodes. p. 53.
- Smirnov, M.V., Ryzhik, O.A., Kazantsev, G.N. - Diffusion of trivalent molybdenum in a medium of fused alkali metal chlorides. p. 59.
- Danilkin, B.D. - Displacement of the solvent from the electrode surface during the adsorption of organic substances, and the adsorption isotherm equation. p. 63.
- Zak, A.I., Kalanov, D.N. - Hydrogen overvoltage on aluminum and the inclusion of an alkaline metal. p. 68.
- Mairanovskii, S.G., Barashkova, N.V., Volkenshtein, I.U.B. - Polarography of bromothiophene, effect of the organic solvent concentration on the half-wave potentials. p. 72.
- Pastukhov, E.A., Esin, O.A., Chuchmarov, S.K. - Particular characteristics of the diffusion of iron ions in molten aluminosilicates. p. 78.
- Khazova, O.A., Vasil'ev, I.U.B., Bagotskii, V.S. - Adsorption of methanol on a smooth platinum electrode. p. 84.
- Perfilov, M.V., Pal'guev, S.F., Karpachev, S.V. - Impedance of the electrode-electrolyte interface and the capacity of the double layer in solid electrolytes. p. 90.
- Mordovchenko, I.P., Loshkarev, M.A. - Dependence of the inhibition effect of the electrode process on the surface concentration of the inhibitor on the electrode. p. 94.
- Podlovchenko, B.I. - Processes occurring on a platinumized platinum electrode introduced into solutions of  $C_2H_5OH$ ,  $n-C_3H_7OH$ , and  $n-C_4H_9OH$ . p. 101.
- Mikhailova, T.I., Tola, Z.A. - Effect of halogen anions and some organic compounds on the electrochemical behavior of nickel in acid solutions. p. 107.
- Muller, L., Sobol', V.V. - Effect of two-charge cations on the process of oxygen reduction on platinum in alkaline solution. p. 111.
- Ukshie, E.A., Bukun, N.G. - Effect of the nature of fused salt and of the temperature on the properties of a double-electric layer. p. 113.
- Levinas, A.L. - Electrodeposition of molybdenum and tungsten from formamide solutions. p. 115.
- Conference on the Electrochemical Methods of Analysis in Alma-Ata. p. 118.
- KHIMICHESKAIA INFORMATSIIA, sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [CHEMICAL INFORMATION, Classified Index of Articles in Foreign Periodicals]. Issued by Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury [All-Union State Library of Foreign Literature]. Moscow, nos. 2(132), 4(134), Feb., Apr. 1965.
- REFERATIVNYI ZHURNAL: KHIMIYA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 7-8, Apr. 1965.
- \*RUSSKII KHIMICHESKII ZHURNAL [RUSSIAN CHEMICAL JOURNAL]. Moscow, vol. 7, no. 8, 1964.
- Table of contents translated:
- Lepeshkova, L.I., Stepan, S.B., Pliushchev, V.E. - Preparation of pure cesium salts using cesium dibromide. p. 875.
- Pozin, M.E., Kopylov, B.A., Ladetskaya, I.A.K. - Rate of crystallization of calcium sulfate from its supersaturated sulfuric acid solutions. p. 881.
- Prostrenko, P.I., Shisholina, I.P. - Differential thermal analysis of the systems  $LiNO_3 - LiNO_3$ ,  $RbNO_3 - RbNO_3$ ,  $CaNO_3 - CaNO_3$ . p. 887.
- Kataev, G.A., Shpaer, I.S. - Extraction of the zinc and Co(II) thioacetate complexes with isomyl alcohol. p. 891.

- Tropova, V. I., Belozerskaya, V. V., Chernitsyn, A. I. - Use of thioacetic acid for the precipitation of thallium and lead sulfides. p. 898.
- Fulmer, F. H. - Paper precipitation chromatography in the qualitative analysis of inorganic anions. p. 904.
- Kozlov, N. V., Agrest, T. B. - Use of thioacetic acid in analysis. Part 7. Photometric determination of copper in aluminum and its alloys. p. 910.
- Kreshkov, A. P., Bykova, L. N., Kirillova, O. F. - High-frequency titration of aliphatic dicarboxylic acids in nonaqueous solutions. p. 914.
- Stril'tsova, E. M., Petrashev, V. I. - Study of the oxidation kinetics of hydroquinone with hydrogen peroxide in the presence of copper and pyridine ions. p. 919.
- Krestov, G. A. - Modified method for additive calculation of the change in heat capacity during ionic sublimation of crystals. p. 924.
- Vorob'ev, N. A., Kuritsyn, L. V. - Kinetics of aniline acylation with benzoyl chloride in nonaqueous media. Part 4. p. 930.
- Spryskov, A. A., Gnedin, B. G. - Study of the sulfonation reaction. Part 58. Sulfonation of phenols at low temperatures. p. 935.
- Pitunin, P. A., Razuvayev, V. P. - Amides and hydrazines of oxalic acid. Part 8. Synthesis in the hydrolytic series of N-substituted oxamic acids. p. 941.
- Chelpanov, L. F., Nemirovskii, V. D., Mashliakovskii, L. N. - Addition of hydrogen bromide to certain acetylenic ketones. p. 945.
- Saricav, A. N., Kirillov, I. P. - Catalytic conversion of acetylene on molybdenum catalysts in the vapor phase. p. 948.
- Berkman, I. A. P., Klimovich, A. I. - Reduction of calcium orthophosphate by natural methane. p. 953.
- Altyshev, M., and others. - Purification of gas by the removal of hydrogen sulfide in a fluidized bed of cinder. p. 955.
- Bogolitskii, A. F., Belov, V. T., Kozlov, E. M. - Study of the sorption properties of the anode oxide film on aluminum by the tracer technique. Part 4. Sorption of inorganic anions as a function of their concentration in solution. p. 962.
- Pupalek, M. I. A., Koshmanov, V. V. - Structure and internal stresses of zinc electrodeposited in the presence of alcohols. p. 967.
- Latautov, V. I., and others. - Use of hydrazine sulfate as a reducing agent in chemical nickel plating process. p. 973.
- Chernykh, V. F., Azelitskaya, R. D., Pomarev, I. F. - System chloride-forming compounds-water. Part 2. Influence of sodium and potassium oxides and active alumina on the hydration in the system  $C_2A - C_3AF$ . p. 976.
- Berezin, B. D. - Synthesis and properties of gallium phthalocyanines. p. 982.
- Vishniakova, T. P., and others. - Oxidation of n-butylenes to methyl ethyl ketone in the presence of a palladium chloride catalyst. p. 989.
- Pashchenko, A. A. - Thermooxidative degradation of organosilicon coatings on a base of an ethyl- and methylhydrosiloxane liquid. p. 993.
- Nordika, R. S., Sokolov, S. I., Shchegolevskaya, N. A. - Polymeric materials for the polarization-optical method of studying stresses. Part 6. Study of physical and mechanical properties under the addition process of polymerization. p. 997.
- Pozin, M. E., Tarat, E. I. A., Morariu, I. - Height of the initial layer of highly foaming liquids on the grids of form scrubbers. p. 1003.
- Serpionova, E. N. - Method of approximation for calculating the adsorption separation of a multi-component vapor mixture with sampling of intermediate fractions. p. 1010.
- Verteshev, M. S. - Separation of fine-grained materials in the centrifugal force field. p. 1015.
- Vekhov, V. A., Vitukhnovskaya, B. S., Doronkina, R. F. - Changes in solubility of germanium dioxide in water with an increase in temperature from 0 to 100°C. p. 1018.
- Setkina, O. N., Dobkina, E. I., Deriuzhikina, V. I. - Study of a wear resistant vanadium catalyst by the infrared spectroscopy method. p. 1019.
- Khazev, V. I., Silsarenko, F. A. - Evaluating the adsorption capacity of certain tripoline type clays in the Volga Valley by water and benzene. p. 1021.
- Iasinskii, F. N. - Application of the Monte Carlo method for studying flows of viscous liquids. p. 1024.
- Karavayev, B. I. - Aleksandr Aleksandrovich Spryskov, on his sixtieth birthday. p. 1029.
- Plit, I. G. - Regularities of the process of chemisorption of gases by a moving drop of large diameter. p. 557.
- Zolotukhin, V. K. - Gluconate complex compounds of beryllium. p. 565.
- Ivancheva, E. G., Novak'kovskii, P. M. - Degradation of melamine-formaldehyde resins. p. 571.
- Torbin, M. V., Karal'nik, S. M. - Chain mechanism of heterogeneous catalysis. p. 575.
- Sheiko, I. N., Barchuk, V. T. - Behavior of zirconium dichloride in fused mixtures of alkaline and alkaline earth metals. p. 577.
- Gorenbein, E. I. A., Rusin, G. G. - Effect of alkali metal cations on the viscosity of toluene and xylene solutions. p. 582.
- Fortunatov, N. S., Vartapetova, N. E. - Distribution of elements between the precipitate and solution depending on the conditions of precipitation. p. 589.
- Ovcharenko, F. D., Tretnitskii, V. I. U., Kuglitskii, N. N. - Structure formation in mineralized dispersions of polygorskite clays. p. 594.
- Belousov, V. M., Gershingolova, A. V. - Adsorptive properties and reactivity of olefins of various structure in hydrogenation over a silver catalyst. p. 598.
- Shilov, E. A., Iasnikov, A. A., Mel'nichenko, I. V. - Catalytic action of amino acids and amines. Part II: Kinetics of enolization of acetone in the presence of amino acids of various structure. p. 595.
- Mushkalo, L. K., Mikhailichenko, N. K. - Nitriles in the series of dihydrobenzo-1,4-thiazine. p. 608.
- Aleksandrin, M. M., Dar'eva, E. P., Fanchuk, I. F. - Synthesis of 2-deutero-2-propanol. p. 613.
- Iukhonenko, M. M., Gnushchak, N. I., Dombrovskii, A. V. - Synthesis of 1-allylbuten-2-ylacetylacetones. p. 616.
- Kuripak, S. M., Smolanska, I. V., Staninets, V. I. - Derivatives of 4(5)-oxazolone and 4(5)-thiazolone. Part 2. Reaction of derivatives of haloacetic acids with some derivatives of mono- and diacids. p. 618.
- Nazarenko, V. A., Andrianov, A. M. - Alkalimetric determination of germanium as tridiphenylgermanic acids. p. 620.
- Nazarenko, V. A., Ravitskaya, R. V. - Trihydroxyfluorones as photometric reagents for indium. p. 625.
- Polukhov, N. S., Vitkun, R. A., Kononenko, L. I. - Fluorescence determination of microamounts of europium. p. 629.
- Platinskii, I. V., Kharchenko, R. S. - Extraction by amyl alcohol of an iron citrate complex in the presence of tri-n-butylamine. p. 635.
- Gorbenko, F. P., Tarkovskaya, I. A., Olevinskii, M. I. - Determination of calcium microamounts in alkali metal and ammonium salts after a preliminary concentration of oxidized carbon. p. 640.
- Golovaty, R. N., Oshchepovskii, V. V. - Separation of small amounts of iron, chromium, and titanium from certain metals by the ion-exchange method. p. 643.
- Tumanova, N. Kh. - Chronopotentiometric determination of the diffusion coefficients in fused carbonates. p. 648.
- Shtepa, T. D., Gritsenko, E. G. - Effect of rhodium on the rate of titanium dissolution in acids. p. 649.
- Daniilova, V. N. - Determination of cobalt in aqueous solutions of vitamin B12. p. 651.
- New books. p. 652.
- Vol 31, no. 1, 1965
- Table of contents translated:
- Stadnik, P. M. - Effect of hardened surface of homogeneous and heterogeneous-homogeneous oxidative processes. p. 3.
- Golub, A. M., Olevinskii, M. I., Lutsenko, E. F. - Extraction of thiocyanate complexes of lanthanum, cerium, praseodymium, and neodymium. p. 12.
- Savenko, N. F., Sheka, I. A. - Reaction of zirconium and hafnium chlorides with potassium ferrioxalate in aqueous solutions. p. 18.
- Udovenko, V. V., Shershtobova, M. A. - Complex compounds of cupric chloride with monoethanolamine. p. 23.
- Shnalderman, S. I. A., Khlazeva, E. N. - Complex formation in the systems titanium (IV) - gallic acid - antipyrine and titanium (IV) - pyrogallol-carboxylic acid - antipyrine. p. 27.
- Deimarskii, I. U. K., Grishchenko, V. F., Gorodyskii, A. V. - Reactions taking place during electrolysis of fused carbonates. p. 32.
- Emelt'yanenko, G. A., Balbarova, E. I. A. - Electrodeposition of silver at high current densities. p. 37.
- Mezhenniy, I. A. F. - Connection between the conductance of a solution and dielectric constant and viscosity of the medium. p. 42.
- Popova, E. N., Gorokhovatskii, I. A. B. - Effect of water vapor on the oxidation of olefins on a copper catalyst. p. 45.
- Pamfilov, A. V., Bondar', P. G., Mazurkevich, I. A. S. - Effect of oxygen and water vapor adsorption on work function of an electron from titanium dioxide. p. 48.
- Tretnitskii, V. I. U., Ovcharenko, F. D., Kuglitskii, N. N. - Diluting effect of a certain reagent on aqueous dispersions of polygorskite. p. 53.
- Volkova, N. V., Shilov, E. A., Iasnikov, A. A. - Catalytic action of amino acids and amines in reactions of carbonyl compounds. Part III. Kinetics and mechanism of iodination of acetal phosphite in the presence of ethylenediamine. p. 58.
- Litvinenko, I. M., Kulechenko, A. I. - Catalytic effect of pyridine on the reaction of benzoyl chloride with primary aromatic amines. p. 67.
- Dvorko, G., Katpenko, T. F. - Contribution to the theory of nucleophilic addition. Part 13. Addition of hydrogen iodide to acetylenecarboxylic esters from mixtures of N-butyl quinolinium iodide and carboxylic acids in chloroform. p. 75.
- Portnaglova, V. A., Karp, V. K. - Synthesis of some isothiourea salts, derivatives of pyrimidine. Report No. 1. p. 83.
- Tubina, A. I., Sinlavskii, V. G., Romankevich, M. I. A. - Synthesis of o-hydroxyphenyl vinyl ketone. p. 85.
- Gurash, G. V., and others. - Radiation-induced synthesis of the copolymer of acrylamide and methacrylic acid. p. 89.
- Shkaravskii, I. U. F. - Extraction of heteropolymetalates. Part 2: Composition of phosphomolybdate and silicomolybdate complexes in their diluted solutions. p. 94.
- Vashenko, V. D., Mazharovskaya, G. S. - Dehydration of N-benzoylphenylhydrazine in the supercritical titration of cerium, thorium, and lanthanum. p. 101.
- Golub, A. M., Pomarev, G. B. - Extraction of thiocyanate and halide complexes of palladium and its use for separating palladium from silver. p. 104.
- Iakovlev, V. S. - Reaction of indine with alkali metal thiocyanates without a solvent. p. 113.
- Alekseev, O. L. - Rapid method for determining the total capacity of exchange of clays. p. 114.
- Deimarskii, I. U. K., Kichko, V. S. - Determination of the zero points of some solid metals in a first mixture of NaCl-KCl by measuring the double layer capacity. p. 116.
- Markov, B. F., Prislavnyi, V. D. - Conductance of melts of reciprocal pairs of salts of the type  $K_2CO_3 - CaCl_2$ ,  $Br_2$ . p. 117.
- Iasnikov, A. A., Shilov, E. A., Gritshin, O. M. - Reduction of benzaldehyde and p-nitrobenzaldehyde by N-benzyl-1,4-dihydroquinolinium in an alkaline solution. p. 118.
- Volkova, N. V., Iasnikov, A. A. - Products of phosphorylation of acetyl by phosphorus oxydide in quinoline. p. 119.
- Vol 31, no. 4, 1965
- Table of contents translated:
- Tolmachev, V. N., Lomako, I. A., Gluchareva, N. A. - Complex-forming processes on carbonyl containing cation exchangers. p. 321.
- Kriss, E. E. - Complex formation of lanthanum with  $\alpha$ -amino acids. p. 328.
- Kostomina, N. A., Romanenko, F. D. - Fluoride complexes of scandium. p. 332.
- Panasik, V. D., Aikharov, A. V. - Aquation reaction of cobalt (III) complex compounds in mixed aqueous-organic solutions. p. 338.
- Zolotukhin, V. K., Galanova, Z. G., Mamonchuk, P. I. - Citrate complexes of trivalent indium. p. 342.
- Shevchenko, F. D., Kuzina, L. A. - Solvolysis of titanium tetrachloride in methanol. p. 347.
- Barabannova, A. S., Volkovich, B. A. - Thermal analysis of the systems  $TiCl_4 - SiCl_4 - VOCl_3$  and  $TiCl_4 - VOCl_3 - POCl_3$ . p. 353.
- Galushko, V. P., Bondar', V. V. - Anodic behavior of aluminum in the course of electrolytic polishing. p. 359.
- Skobets, E. M., Poykhan, M. F. - Current time curves on a silver amalgam electrode in oscillographic polarography with a given sinusoidal voltage. p. 363.
- Znamenskii, G. N., Zhuk, A. P., Stender, V. V. - Effect of the conditions of electrolysis of zinc chloride acid solutions on the magnitude of the free surface of zinc precipitates. p. 367.
- Paikhomenko, V. V., Kurilenko, O. D. - Sorption processes on cation exchangers from alcohol-aqueous solutions. p. 372.
- Prilipko, L. T., Kurilenko, O. D. - Effect of poly-electrolytes on the stability of aqueous suspensions of bentonites. p. 376.
- Sazhin, V. S., Donitsiev, V. E., Volkovskaya, A. I. - Decomposition of albite and microcline in caustic soda solutions. p. 379.
- Reznichenko, V. V., Plakidin, Val. L. - Nitration of naphthalene and its derivatives. p. 385.
- TSvetkov, N. S., Beletskaya, E. S. - Mechanism and kinetics of styrene polymerization in the presence of polymeric peroxide of pinelic acid. p. 387.
- Bezuglyi, V. D., Alekseeva, T. A. - Polarographic method of studying copolymerization of methyl acrylate with 2-methyl-5-vinylpyrrolidone. p. 392.
- Brainina, Kh. Z., Belavskaya, V. D. - Reproducibility and precision of polarographic determination of microquantities of metals after their preliminary concentration on a graphite electrode. p. 398.

- Dzuba, N. P., Izmailov, N. A. - Potentiometric acid-base titration in dimethylformamide p. 403
- Skobels, E. M., Kairukhov, A. I. - Determination of microconcentrations of  $\text{Co}^{2+}$ ,  $\text{Pb}^{2+}$ , and  $\text{Mn}^{2+}$  by the method of reverse sugar currents p. 408
- Morozov, A. A., Kiselev, N. A. - Extraction of a chloride complex of cadmium by the phase of liquid anion exchangers p. 411
- Deimarskii, I. U. K., Zarubitskii, O. G. - Cathodic refining of tin in melts p. 417
- Markov, B. F., Pristashnyi, V. D., Polishchuk, A. F. - Measurement of molar volume of salt in melting, a new variation of the pycnometric method p. 418
- Zaslavovich, D. P., Antonov, S. P., Stepanenko, V. G. - Effect of the nature of foreign cations on the anodic oxidation of trivalent chromium p. 420
- Kruglitskii, N. N., and others. - Controlling the processes of coagulation structuration in aqueous clay dispersions p. 421
- Kiprianova, L. - Sixth Ukrainian Republic Conference on Physical Chemistry Dedicated to the 90th Anniversary of Academician L. V. Pissarzhevskii's Birth p. 423
- \*USPEKHII KHIMII [PROGRESS IN CHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 34, no. 2, Feb. 1965.
- Table of contents translated:
- Rozantsev, G. G., Faizullberg, A. A., Novikov, S. S. - Advances in the chemistry of carbonates p. 177
- Dorofenko, G. N., and others. - Perchloric acid and its compounds in organic synthesis p. 219
- Davidova, F. G., Rachinskii, V. V. - Ion-exchange cellulose and its use in chromatography p. 253
- Fuks, N. A., Sutugin, A. G. - Monodispersed aerosols p. 270
- Pordniakov, A. A. - Present-day state of the analytical chemistry of technetium p. 300
- Ukasho, E. A. - Structure and properties of fused salts p. 322
- UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL] Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.], Tashkent, vol. 8, no. 5, 1964.
- Table of contents translated
- Nabiev, M. N., Mukimova, E. S., Zakirzhevskaia, A. V. - Chlorine-free ultraphase SUM-III p. 5
- Beglov, B. M., Shokin, I. N., Krasheninnikov, S. A. - Process of crystallization of ammonium bicarbonate p. 10
- Talipov, Sh. T., Abdullaeva, Kh. S. - Complexometric titration of indium in the presence of 4/2-N-methyl-anabasazone-isoreinol as indicator p. 18
- Latipdakh, S. M., Zhdanov, A. K. - Hydrogen peroxide in analytical chemistry. Part I: Amperometric titration of chromium on an apparatus with a rotating platinum electrode p. 23
- Abduasulova, A. R., Akhmedov, K. N. - Alkylation of phenol and p-cresol with cyclohexyl and cyclopentyl chlorides p. 31
- Suslanova, L. A., and others. - Oils from the plants of the Papaveraceae family p. 38
- Matveeva, A. V., Alubakirov, N. K. - Saponins in *Patrinia intermedia* Roem. et Scholt. p. 43
- Azizov, M. A., and others. - Infrared absorption spectra of the complex compounds of copper of monopyridinecarboxylic acids and their derivatives p. 47
- Paiplev, N. A., Sarukhanov, M. A., Ganioy, A. - Infrared spectra of cobalt (III) complex compounds p. 54
- Kasymova, S. S., Bellustin, A. A. - Electrode properties of sodium-strontium silicate glasses p. 61
- Sigov, S. A., Abdullaeva, U. A. - Conversion of natural gas with carbon dioxide p. 67
- Dustmukhamedov, Kh., and others. - Reaction of cellulose with acrolein p. 74
- Fourth All-union Scientific Conference of the Departments of the Technology of Inorganic Substances, Scientific Research Institutes, and Industrial Enterprises Manufacturing Mineral Fertilizers p. 76
- \*VYSOKOMOLEKULIARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 7, no. 1, Jan. 1965.
- Table of contents translated
- Kuchera, M., Pikhler, I. U. - Kinetics of dioxolane polymerization p. 3
- Kuchera, M., Pikhler, I. U. - Polymerization of dioxolane at various temperatures p. 10
- Gal'perin, E. L., Strogalin, I. V. - Symmetry and dimensions of the elementary cell of polytrifluoroethylene p. 16
- Azizov, U., Usmanov, Kh. U., Sadykov, M. U. - Graft copolymers of cellulose and styrene p. 19
- Anufrieva, E. V., and others. - Polarized luminescence study of the Brownian micromotion of luminescent macromolecules p. 25
- Gorbacheva, V. O., Mikhailov, N. V. - Differential thermal analysis of polymers p. 28
- Chirkishev, I. U. G., and others. - Laws governing the radiation-induced polymerization of diphenylvinylphosphine oxide in a melt p. 33
- Razuvaev, G. A., and others. - Modification of the Ziegler-Natta catalysts in the polymerization of olefins p. 39
- Gur', V. L., Fomina, L. L. - Nature of adhesion of polymeric materials p. 45
- Bort, D. N., and others. - Morphology of block polyvinyl chloride p. 50
- Ginzburg, L. V., and others. - Reaction of unsaturated elastomers with alkyl phenol-formaldehyde derivatives under vulcanization conditions p. 55
- Ovechinnikov, I. U. V. - Precision method for evaluating the efficiency of polymerization inhibitors p. 63
- Rafikov, S. R., and others. - Synthesis and study of polyalkylene phosphonic acids p. 65
- Makletsova, N. V., and others. - Determination of molecular weight and molecular weight distribution of polytetramethylene oxide p. 70
- Ivanchev, S. S., Galibei, V. I., Iurzhenko, A. I. - Characteristic features of styrene polymerization at advanced stages of conversion initiated by diaryl peroxides p. 74
- Kazarina, L. G., Tsyvankin, D. I. A. - Amorphous texture of polyethylene terephthalate films p. 80
- Beilin, A. A., and others. - Synthesis and study of polymeric complexes formed in the reaction of tetraacetoethylene with metal powders p. 88
- Zubov, P. I., Osipov, E. A. - Effect of the addition of water on globular polyvinyl alcohol solutions p. 94
- Kalishov, O. V., Maidanov, S. S., Grigorian, G. L. - Light scattering and viscosity of solutions of poly-o-carbomethoxyphenyl methacrylamide in chloroform p. 99
- Seondac, I., Nikolaev, A. F. - Synthesis of weakly basic anion exchangers based on copolymers of vinyl amine and divinylbenzene p. 101
- Seondac, I., Nikolaev, A. F. - Equations correlating the properties of anion exchangers based on copolymers of vinyl amine and divinylbenzene with their structure p. 103
- D'achkovskii, F. S. - Electrolysis method of investigating the homogeneous catalytic system  $(\text{C}_6\text{H}_5)_2\text{TiCl}_2 + \text{Al}(\text{C}_2\text{H}_5)_2\text{Cl}$  p. 114
- Brodski, A. I., and others. - Radiation oxidation of poly- $\epsilon$ -caprolactam p. 116
- Telbelev, L. G., and others. - Spectrophotometric analysis of the interaction of iodine with polyvinyl alcohol solutions p. 123
- Kolesnikov, G. S., El' Said Ali Khassan, S. M., and others. - Mechanism of the action of catalysts in the synthesis of polycarbonates by interfacial polycondensation p. 129
- Sharkman, B. P., Volutskii, S. S., Kaigin, V. A. - Autohesion of polyethylene p. 135
- Sharkman, B. P., Volutskii, S. S., Kaigin, V. A. - Autohesion of polystyrene p. 141
- Grigorian, E. A., D'achkovskii, F. S., Shilov, A. E. - Polymerization of deuterioethylene on the homogeneous catalytic system  $(\text{C}_6\text{H}_5)_2\text{TiCl}_2 + \text{Al}(\text{C}_2\text{H}_5)_2\text{Cl}$  p. 145
- Korchev, M. G., Korshak, V. V., Vinogradova, S. V. - Block polymerization of some allyl and acryl monomers p. 150
- Eliseeva, V. I., and others. - Emulsion polymerization of lower alkyl acrylates p. 156
- Lobkov, V. D., and others. - Effect of oxygen compounds of phosphorus on siloxane polymers p. 163
- Tsyvetkov, N. S., Markovskaya, R. F. - High degree of polymerization of styrene and methyl methacrylate in the presence of polymeric peroxides p. 169
- Cherkasov, A. S., Voldakina, K. G. - Copolymerization of 2-vinyl-9, 10-diphenylanthracene with styrene p. 175
- Adadurov, G. A., and others. - Polymerization in a shock wave p. 180
- Livshits, I. A., Stepanova, V. I. - Polymerization of 4-methyl-1,3-pentadiene p. 181
- Pollakov, D. K., Gantmacher, A. R., Medvedev, S. S. - Effect of the association of organolithium compounds on their ultraviolet spectra p. 182
- Kaurkova, G. K., and others. - Radiation-chemical cross-linking of polyethylene p. 183
- Nametkin, N. S., Durgar'lan, S. G., Kholmskii, V. S. - Polymerization of vinylalanes in the presence of metallic lithium p. 184
- Erusalimskii, D. L., Kulevskaia, I. V. - Polymerization of acrylonitrile under the effect of organo-magnesium compounds p. 184
- Berezkin, V. G., and others. - Some new methods of studying polymeric compounds by gas chromatography p. 185
- Beilin, A. A., Kochetov, E. V., Enikolopian, N. S. - Solid phase anionic polymerization of acrylonitrile p. 187
- Rozenberg, B. A., and others. - Effect of reaction chain transfer to polymer in the cationic polymerization of oxygen-containing cyclic compounds p. 188
- \*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 29, no. 3, 1965.
- Table of contents translated
- Lomonosov, S. A., Murashkin, M. K. - Complex-forming groups of p, p'-bis-dimethylamino diphenyl-3-(9-cyanoethyl)-carbazolymethyl chloride p. 289
- Zarinskii, V. A., Gur'ev, I. A. - High-frequency titration. Report No. 13 Titration of acids in glycol media p. 294
- Rakhsbaum, I. A. D., Stakheev, I. U. I. - Scintillation-spectral method of mineralogical analysis p. 299
- Bragin, I. U. A., Starikova, S. V. - Use of a thermionic source of lithium positive ions for the analysis of some gaseous mixtures p. 305
- Gorbenko, P. P., Sachko, V. V. - Extraction-photo-metric determination of microimpurities of calcium in barium compounds p. 309
- Parasheukova, M. Z., Shafran, I. G. - "Sulfarsazen" as a complexometric indicator for zinc, cadmium, nickel, and lead p. 313
- Budanov, L. M., Plavova, S. N. - Photometric determination of cerium and other rare-earth elements using arsenazo III p. 320
- Glyadov, V. P., Chinnova, G. P., Ustinov, A. M. - Oscillographic polarography of lead in bismuth p. 325
- Kogan, F. I., Kovalenko, P. N., Ivanova, Z. I. - Electrolytic reduction of tin in the presence of tungsten p. 329
- Veselago, L. I. - Determination of bi- and trivalent vanadium p. 335
- Altman, I. P., and others. - Fluorimetric determination of tantalum in silicon dioxide and high-purity chlorosilanes using rhodamine GG p. 339
- Vinogradov, A. V., Dronova, M. I. - Determination of small amounts of tungsten in molybdenum and its compounds p. 343
- Zolotov, I. U. A., Petrunkhin, O. M., Altman, I. P. - Extraction of ethylenediaminetetraacetates (as exemplified by iron and thorium complexes) p. 347
- Stenina, N. I., Agaslan, P. K. - Coulometric titration of iridium (IV) with electrogenerated iron (II) ferrocyanide p. 351
- Popova, O. I., Godovannaya, I. N. - Complexometric analysis of some binary alloys p. 355
- Mikhailova, T. A., Khromov-Borisov, N. V. - Microdetermination of nitrogen in poorly combustible organic compounds p. 359
- Kupkin, V. D., and others. - Spectrophotometric determination of primary, secondary, and tertiary higher aliphatic alcohols when present together p. 364
- Pukhonts, A. N., and others. - Determination of butyl phosphoric acids, tributyl phosphate, and hexamine when present together in aqueous solutions p. 372
- Chernina, G. N., Khol'skii, I. U. I. - Photometric determination of high-molecular weight products of autooxidation in fatty alcohols p. 375
- Kolchinskii, N. A. - Method for determining ethylene oxide (surveys) p. 380
- Kheifets, L. I. A. - Method for determining the nature of polarographic current as a function of the mercury column height p. 388
- Tikhonov, V. N., Mustafin, I. S. - Photometric determination of copper in magnesium and magnesium alloys by means of bicinchoninic acid p. 390
- Pasovskaya, G. B. - Conductometric method for determining aluminum in the presence of iron, calcium, and magnesium p. 392
- Maltsev, V. F., Luk'ianenko, L. P. - Photometric determination of manganese in high-alloy steels and alloys p. 394
- Molin, I. U. N., and others. - Analysis of polyfluorochlorobenzene mixtures by the methods of nuclear magnetic resonance and infrared spectroscopy p. 396
- Dokunikhin, N. S., Kolekolov, B. N. - Paper chromatography of antracene derivatives. Chloro-anthraquinones p. 398
- Bugayevskii, A. A., Adamovich, L. P. - Concerning the articles by E. A. Pollak "Certain problems of the theory of titration" p. 401
- Rusev, A. I., Efimov, I. P. - "Literature on inorganic chemical analysis" by G. V. Efremov p. 404
- Ustinov, V. I. - Moscow Seminar on Analytical Chemistry p. 405
- \*ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 35, no. 4, Apr. 1965.
- Table of contents translated:
- Favorskaya, T. A., Tolstopyatov, G. M., Gal'ding, M. R. - Synthesis and study of the transformations of acetylenic  $\alpha$ -glycols Part 9: Molecular rearrangements observed in the reactions of 3,4-dimethyl-1-hexyne-3,4-diol with hydrochloric acid p. 593

- Sergeeva, V. F., Chumachenko, T. G. - Effect of certain substances on the solubility of benzoic acid in alcohol. p. 597.
- Sergeeva, V., Shablikova, G. - Solubility of *n*-toluidine in aqueous solutions of electrolytes and nonelectrolytes. p. 599.
- Il'iasov, I. I., Palobokov, A. G., Bergman, A. G. - Interaction in the ternary system urea-hydroquinone - resorcinol. p. 602.
- Bezyglyi, V. D., Lavrushin, V. F., Belous, G. G. - Polarographic study of unsaturated ketones. Part 3: Structure and reactivity of aromatic  $\alpha, \beta$ -unsaturated ketones (use of correlation equations). p. 608.
- Shostakovskii, M. F., and others - Reaction of the addition of glycols and polyethylene glycols to vinyl butyl ether. p. 613.
- Cherkasov, L. N., Kormer, V. A., Bal'ian, Kh. V. - Synthesis and properties of derivatives of allene hydrocarbons. Part 2: Synthesis and properties of carbocyclic and heterocyclic allene alcohols. p. 616.
- Kraevskii, A. A., Proobrazhenskii, N. A. - Study of the higher acids of the aliphatic series. Part 15: Synthesis of *cis*-, *cis*-, *cis*-, 12, 15-octadecatriene (linolenic) acid. p. 618.
- Bogatskii, A. V., Piantkova, G. V. - Alkoxy compounds. Part 14: Pyrolysis and catalytic dealcoholation of methyl- $\alpha$ -propoxyethyl and  $\alpha$ -isopropoxyethylmalonic acids. p. 619.
- Rubtsov, M. V., Iakholov, L. N., Mikhina, E. E. - Hofmann degradation of 1,4-bis(pentamethylene) piperazinium dichloride by means of a methanol solution of caustic potash. p. 621.
- Strizhakov, O. D., Zil'berman, E. N., Svetozarskii, S. V. - Oximes of 2-cyclohexen-1-one. p. 628.
- Dorofenko, G. N., Krivun, S. V., Mezheritskii, V. V. - Perchloric acid and its compounds as catalysts in organic synthesis. Part 21: Triphenyl pyrylium salts with functional substituents in aromatic rings. p. 632.
- Gavrilenko, V. V., Ivanov, L. L., Zakharkin, L. I. - Reactions of complex aluminum acetylides with carbonyl compounds. p. 635.
- Zefirov, N. S., Prikazhnikova, L. P., Iur'ev, I. U. K. - 3,6-endoxycyclohexanes and -cyclohexenes. Part 20: Acetoxymercuration of dimethyl ester of 3,6-endoxodihydrophthalic acid. p. 639.
- Sytnik, Z. P., and others - Study in the series of merocyanines derivatives of azolones. Part 10: Color of the quaternary salts of dimethinemerocyanines. p. 641.
- Pilliglin, C. T., Lepikhova, S. V. - Synthetic dyes. Part 48: Condensation of *N*-aryl quinadimium salts with acetanilidomethylenerhodamine. p. 647.
- Orlova, T. I., Anikeeva, A. N., Danilov, S. N. - Tertiary ethers of 2,4-monomethylene-D, L-xylitol and their derivatives. p. 649.
- Gurevich, A. I. - Tetracyclines. Part 40: Michael's reaction with derivatives of  $\Delta^2$ -tricyclic DCB. p. 652.
- Kolozov, M. N., Onoprienko, V. V., Shemiakin, M. M. - Tetracyclines. Part 41: Synthesis of 11,12 $\alpha$ -dideoxy-4-dedimethyl-amino-6-demethyl-5 $\alpha$ , 6-anhydrotetracycline. p. 659.
- Gurevich, A. I., and others - Tetracyclines. Part 42: Synthesis of 11,12 $\alpha$ -dideoxy-4-dedimethylamino-5 $\alpha$ , 6-anhydrotetracycline. p. 668.
- Berezovskii, V. M., Tul'chinskaya, L. S., Poliakova, N. A. - Alloxazine and isalloxazine series. Part 13: Synthesis of 7-aminoalloxazine, 7-amino (demethyl) riboflavin and their derivatives. p. 673.
- Berezovskii, V. M., Arsenkina, R. V., Chernova, M. A. - Nucleotides, coenzymes, and phosphoric esters. Part 8: Separation and hydrolytic splitting of phosphoric esters of riboflavin. p. 677.
- Nesmelanov, A. N., Makarova, L. G., Polovianuk, I. V. - Production of organomercury compounds by the decomposition of double salts of aryl diazonium chloride and mercuric chloride in water. p. 681.
- Vlazankin, N. S., Bychkov, V. T. - Certain reactions of organotin hydrides. p. 684.
- Bychkov, V. T., Vlazankin, N. S. - Reactions of dibutyltin with alkyl halides. p. 687.
- Andrianov, K. A., Lavygin, I. A., Shvetsov, I. U. A. - Synthesis and properties of branched 8-hydroxy quinoline titanium dimethylsiloxane oligomers. p. 689.
- Ralkhsfel'd, V. O., Prokhorova, V. A. - Monoorganosilanes. Part 4: Reactivity of monoorganosilanes in the reaction with monocarboxylic acids. p. 693.
- Andrianov, K. A., and others - Reaction of the cohydrolysis of methylallyldichlorosilane with methyl- and ethyldichlorosilanes. p. 698.
- Stadnichuk, M. D., Petrov, A. A. - Study of unsaturated organogermanium compounds. Part 2: Course of the bromination of 1,3-enyne germanium hydrocarbons. p. 700.
- Bogolubov, G. M., Petrov, A. A. - Synthesis of silides of tertiary acetylenic phosphines. p. 704.
- Forost, M. P., Muzovskaya, O. A., Petrov, A. A. - Regularities in the addition reactions of polyacetylenes. Part 6: Course of reactions of the addition of hydrogen, bromine, and hydrogen bromide to trimethylallyl-1,5-alkadienes. p. 707.
- Bodnarchuk, N. D., Shevchenko, V. I., Kirsanov, A. V. - Reaction of phosphorus pentachloride with the diphenyl ester of malonic acid. p. 713.
- Protsenko, L. D., Skul'skaya, N. I. A. - Reaction of arylthiophosphoramides and arylthiophosphoramides with chlorine and hydrogen chloride. p. 715.
- Zhmurova, I. N., Drach, B. S. - Reaction of phosphorus pentachloride with isopropylamine and  $\alpha$ -alanine. p. 718.
- Petrov, K. A., and others - Properties of phosphinic acid anhydrides. Part 1: Monoalkyl (aryl) phosphonates. p. 723.
- Evdakov, V. P., Shlenkova, E. K., Bilevich, K. A. - Amides and anhydrides of phosphorous acids. Part 4: Phosphorylation of hydroxyl-containing compounds with *p*-diethylanilide-*p*-acetyl-*o*-alkylphosphites. p. 728.
- Petrov, K. A., Baksova, R. A., Khorkholanu, L. V. - Properties of phosphinic acid anhydrides. Part 3: Reactions of anhydrides of phosphinic acids with olefin oxides. p. 732.
- Karavanov, K. V., Ivin, S. Z., Lysenko, V. V. - Complex compounds of alkyltetraethoxyphosphines with aluminum chloride. Part 5: Reaction of the complex compounds of alkyltetraethoxyphosphines and aluminum chloride with alkylene oxides and alkylene sulfides. p. 737.
- Evdakov, V. P., Shlenkova, E. K. - Amides and anhydrides of phosphorous acids. Part 5: Reaction of amides of phosphorous and phosphinic acids with acetic anhydride. p. 739.
- Imaev, M. G., Skolova, S. D., Feklaeva, S. D. - Synthesis of salts and thianhydrides of certain *o*, *o*-diaryldithiophosphoric acid. p. 744.
- Kirpichnikov, P. A., Gurvich, I. A., Gren, G. P. - Synthesis of alkylaryl esters of salicylphosphorous acid. p. 742.
- Kretov, A. E., Davydov, A. V. - New method of synthesizing guanamines containing fluoralkyl radicals. p. 746.
- Topchieva, I. N., Al'etto, M., Levina, R. I. A. - Trans-*cis* isomerization of 1,2-cyclopropanedicarboxylic acid. p. 749.
- Shostakovskii, M. F., Vlasov, V. M., Mirskov, R. G. - Synthesis of organotin acetylenic compounds. p. 750.
- Ponomarenko, A. A., Amelina, L. M. - Catalytic action of copper complexes of  $\alpha$ -amino acids on the chemiluminescence of luminol and the chemiluminescent method for the microdetermination of  $\alpha$ -amino acids. p. 750.
- Shostakovskii, M. F., and others - Reaction of the monovinyl ethers of glycols with triethyltin chloride. p. 751.
- Temnikova, T. I., Takhistov, V. V. - Reactions of methyl  $\alpha$ -Cl-ethyl ether with the metal derivatives of acetoacetic ester. p. 752.
- Zefirov, N. S., and others - Stereochemistry of the nitrosylation of 2,3-dicarboxy-7-oxabicyclo-[2,2,1]-5-heptene. p. 752.
- Stanko, V. I., Klimova, A. I. - Barenyl anion. p. 753.
- Bogolubov, G. M. - Conditions for the formation of the *p* - *p* bond in the action of Grignard reagents on thiophosphoryl halides. p. 754.
- Gubanov, V. A., Tumanova, A. V., Dolgopolskii, I. M. - Certain reactions of perfluoromethyl-3,3-dihydroperfluoroalkyl esters. p. 754.
- Samarai, L. I., Derkach, G. I. - Phosphorylated derivatives of oxalic acid amides. p. 755.
- Andreev, D. N., Usacheva, N. T. - Synthesis of  $\alpha, \omega$ -dimethacryloxy polydimethylsiloxanes. p. 756.
- Motsarev, G. V., and others - Substitution chlorination of phenyltrichlorosilane. p. 756.
- Baukov, I. U. I., Burlachenko, G. S., Lutsenko, I. F. - Synthesis of *o*-silyl-substituted enols and related compounds. p. 757.
- Nifant'ev, E. E., Levitan, L. P. - Convenient synthesis of alkyl hypophosphites. p. 758.
- Kataev, E. G., Tantsheva, F. R., Iarkova, E. G. - Reaction of triethyl phosphite with  $\beta$ -bromovinyl sulfones. p. 758.
- Foss, V. L., Besolova, E. A., Lutsenko, I. F. - Reaction of esters of antimonous acid with ketenes. p. 759.
- Zavgorodnii, V. S., Petrov, A. A. - Trialkyltin diacetylenes. p. 760.

**ZHURNAL ORGANICHESKOI KHIMII [JOURNAL OF ORGANIC CHEMISTRY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 1, no. 1, Jan. 1965.

Table of contents translated.

Gren, E. I. A., Vanag, G. V. - Structure and acidity of 4-cyclopentene-1,3-diones and 1,3-indanones. p. 3.

Gren, E. I. A., Vanag, G. V. - Reactivity of  $\beta$ -diketone anions. p. 7.

Kiprianov, A. I., Verbovskaya, T. M. - Azo group in conjugate chains of cyanine dyes. p. 13.

Erykalov, I. U. G., Spiryakov, A. A., Rumantseva, T. A. - Orientation in substitution in the aromatic series. Part 15: Mechanism of dichlorobenzene isomerization. p. 21.

Spiryakov, A. A., Pollakova, G. A. - Orientation in substitution in the aromatic series. Part 10: Effect of substituents on the reactivity of the benzene ring. p. 24.

Ogloblin, K. A., Semenov, V. P. - Interaction of nitrosyl chloride with unsaturated compounds. Part 16: Reaction with methyl methacrylate. p. 27.

Samartsev, M. A., Ogloblin, K. A. - Interaction of nitrosyl chloride with unsaturated compounds. Part 17: *Cis*-trans isomerism of dimers of aliphatic chloronitrosos compounds. p. 31.

Vartanian, S. A., Oganova, L. V., Badanian, Sh. O. - Chemistry of vinylacetylene. Part 55: Addition of amines to dimethylacetylenecarbamate. p. 37.

Anchevskii, V. A., Grekov, A. P., Kornov, K. A. - Reactions of condensation with hydrazine derivatives. Part 1: Kinetics of aliphatic dicarboxylic acid reactions with dihydrazide of sebacic acid in *m*-cresol. p. 40.

Kraevskii, A. A., Dorogov, V. V., Proobrazhenskii, N. A. - Higher acids of aliphatic series. Part 10: Synthesis of *cis*-, *cis*-, 12, 15-octadecadienoic (linoleic) acid. p. 44.

Radechenko, S. I., Petrov, A. A. - Alkylthioynes and their analogs. Part 2: Addition of sulfonyl chlorides to vinylacetylene. p. 47.

Radechenko, S. I., Chistoklov, V. N., Petrov, A. A. - 1,3-Bipolar addition to unsaturated compounds. Part 9: Addition of 1,3-diphenyl-1,3-diamine to alkylthioynes and their analogs. p. 51.

Panasevich-Kolinda, V. I., Shnypp, I. A. - Ethers with the allyl position of double bond. Part 17: Ethers of 2,4-dimethyl-2,6-heptadion-4-ol. p. 57.

Shamkhal Mamedov, Amminalud, R. A., Agaev, A. S. - Glycol ethers and their derivatives. Part 95: Synthesis of monoalkoxymonomethyl ethers of diethylene glycol. p. 59.

Shamkhal Mamedov, Dzhalilov, T., Avanesian, M. A. - Glycol ethers and their derivatives. Part 96: Synthesis of mixed dialkoxymethyl ethers of thiodiethylene glycol. p. 64.

Shamkhal Mamedov, Agaev, A. S. - Glycol ethers and their derivatives. Part 97: Synthesis of  $\gamma$ -chloroethers of the aromatic series. p. 69.

Sulima, L. V. - Hydroxylation reaction of ethylidene acid and cyclohexene by Caro's acid in  $H_2O$  solution. p. 71.

Sulima, L. V. - Photochemical hydroxylation of allyl alcohol to glycerol by hydrogen peroxide in the presence of  $OsO_4$  in  $H_2O$  solution. p. 75.

Razuvayev, G. A., and others - Radical reactions of organic peroxydicarbonates. Part 3: Interaction of dicyclohexylperoxydicarbonate with dimethyl-aniline. p. 76.

Of'dokop, I. U. A., and others - Acyl peroxides. Part 7: Synthesis of asymmetrical diacyl peroxides of aliphatic and hexahydroaromatic series. p. 82.

Iaguzhinskii, L. S., Chlinoava, A. D., Boilin, A. I. A. - Potential cytotoxic arrangements. Part 6: Reactivity of esters of *N*-ethyl and *N*-arylsulfamic, carbamic and sulfamic acids. p. 85.

Kheifits, L. A., Podberozina, A. S., Belov, V. N. - Odorous substances from alkylphenols. Part 8: Synthesis of odorous substances from octylphenols. p. 89.

Titchevskii, M. N., Derbulosku, N. S., Vysotskii, V. I. - Condensation of aldehydes and ketones. Part 13: Transformation from tricyclohexenones to tricyclohexenylamines (new type of bridge amines). p. 93.

Lavrushin, V. F., and others - Polarographic study of the reaction between  $\alpha, \beta$ -unsaturated carbonyl compounds and monosubstituted hydrazines. Part 2: Quantitative study and phases of reaction between phenylhydrazine and substituted chalcones. p. 98.

Isagulantov, V. I., Evstaf'ev, V. P. - Alkenylation of phenol by isoprene on KU-2 cation-exchange resin. p. 102.

Zavgorodnii, S. V., Strashchenko, A. V. - Condensation of anisols with acetone and cyclohexanone in the presence of  $BF_3 \cdot H_2PO_4$  complex. p. 106.

Skvortsova, G. G., and others - Hydrolysis of *N*-monosubstituted vinyl ethers of *p*-aminophenols. p. 111.

Kopliug, V. A., Komagorov, A. M. - Conversions of toluic acids in the presence of aluminum chloride. p. 113.

Pupko, L. S., Pel'kis, P. S. - Synthesis and study of asymmetrical diarylthiocarbonyl compounds with alkylmercapto and alkoxy substituents. p. 118.

Solomko, Z. F., and others - Sulfanilides. Part 20: Ethyl esters of *N*-arylsulfonyl-*N*-arylsulfamic acid. p. 121.



- Koat, A. N., Sugrobova, I. P., Iakubov, A. P. - Phenylindoles and the conjugation of the benzene ring with the indole ring. p. 124.
- Kost, A. N., Erakina, U. N., Vinogradova, E. V. - Reduction of the keto group in 3-(carboxyacyl) indoles. p. 129.
- Khalkin, M. S., Levkoev, I. I., Kukhtin, V. A. - Synthesis of certain 3-methyl and 3-phenyl-4-amino-5-pyrazolones. p. 133.
- Thurenkova, G. N., Bednagina, N. P. - Series of benz- and naphthazoles. Part 9: Synthesis and some reactions of 1-phenyl-2-hydrazinobenzimidazole. p. 138.
- Bednagina, N. P., Getsova, I. N. - Series of benz- and naphthazoles. Part 7: 5-triazolo [4,3- $\alpha$ ] benzimidazole-3-thiones. p. 139.
- Zhuravlov, S. V., Skorodumov, V. A. - 10- Synthesis in the series of phenothiazine. Part 14: Substitutions in methylphenothiazine. p. 142.
- Silvanova, O. V., Mustafin, I. S. - Azo coupling of 8-hydroxyquinoline. p. 145.
- Elina, A. S., Tsrautnikova, L. G., Medvedeva, M. I. - N oxides of the quinoline series. Part 8: Oxidation of dimethylquinoxaline and its methylol derivatives by nitric acid. p. 147.
- Levchenko, E. S., Bal'on, I. A. G. - Condensation of sulfur bisarylsulfonfyliminodioxides with diene hydrocarbons. p. 150.
- Levchenko, E. S., Bal'on, I. A., Kislenko, A. A. - Condensation of sulfur N-arylsulfonfylmonoliminodioxides with diene hydrocarbons. Part 2. p. 155.
- Novitski, K. I. U. - and others. - Furan series. Part 34: Synthesis based on  $\beta$ -(2-furyl) ethylamine. p. 160.
- Yur'ev, I. U. K., Magdesleva, N. N., Titov, V. V. - Chemistry of selenophene. Part 54: Reactions of  $\omega$ -acetyl-2-acetoselenophene and the synthesis of  $\omega$ -(o-hydroxybenzoyl)-2-acetoselenophene. p. 163.
- Skljar, I. U. E., Evstigneova, R. P., Preobrazhenskii, N. A. - Synthesis of ( $\beta$ ,  $\beta$ -dicyanovinyl) pyrroles and dipyrromethanes. p. 167.
- Panasevich-Kollada, V. I., Galyshova, T. A. - Oxidocompounds. Part 18: Interaction of monoalkyl-substituted glycidols with aniline and piperidine. p. 172.
- Nikitskaya, E. S., and others. - Synthesis of 7-hydroxy-9-methyl-3,9-diazabicyclo [3,3,1] nonane and some of its derivatives. p. 174.
- Burmistrov, S. I., Krasovskii, V. A. - Alkylation of aminothiazoles. Part 3: Alkylation of 2-methylamino-4-methylthiazole. p. 183.
- Burmistrov, S. I., Sukhoruchkin, I. U. V. - Synthesis of substituted 2-arylaminoimidazoles. p. 185.
- Kutepov, D. F., Evdokushina, L. V. - Synthesis and transformations in the series of diarylureas. Part 18: Hydrolysis of N-chloro derivatives of diarylureas. p. 189.
- Kutepov, D. F., Khokhtov, D. N. - Synthesis and transformations in the series of diarylureas. Part 19: Synthesis of N-chloro derivatives of substituted phenylene and benzoylureas. p. 191.
- Fedorov, B. F., Stofanovich, F. M. - Synthesis and reactions of tert-butylthienyl sulfides. Part 7. p. 194.
- Petrova, L. F., Pushkareva, Z. V., Grlazev, V. F. - Azo derivative of alloxazine and isalloxazine containing the bis( $\beta$ -chloroethyl) amino group. p. 194.
- Dokunikhin, N. S., Gaeva, L. A. - New disulfonic acids of anthraquinone. p. 201.
- Skorodumov, V. A., Zhuravlov, S. V. - Synthesis in the series of phenothiazine. Part 15: Reduction halogenation of 10-methyl-5-oxidophenothiazine. p. 202.

## e. MATHEMATICS

\*AKADEMIYA NAUK SSSR, Izvestiya, Seriya matematicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Mathematical Series]. Moscow, vol. 20, no. 2, 1985.

- Table of contents translated:
- Greendlinger, M. - On the conjugacy and work problems. p. 245.
- Leont'ev, A. F. - Properties of sequences of Dirichlet polynomials converging on the interval of an imaginary axis. p. 269.
- Bruno, A. D. - Power asymptotic forms of solutions to nonlinear systems. p. 329.
- Blinchevskii, V. S. - Use of S. A. Chaplygin's method in simple and generalized Cauchy problems for a system of ordinary differential equations. p. 385.
- Sprindzhak, V. G. - Proof of Mahler's conjecture about the measure of a set of  $\delta$ -numbers. p. 378.
- Ivanov, L. D. - Differentiable functions of  $n$  variables. p. 437.
- Kostrikin, A. I. - Homogeneous algebras. p. 471.
- Vinogradov, A. I. - Extendability into the left half-plane of the scalar product of Hecke's L-series with characters of magnitude. p. 485.

AKADEMIYA NAUK SSSR Matematicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute. Transactions]. Moscow, vol. 75, 1985.

Contents: Shafarevich, I. R., and others. [Algebraic surfaces] Algebraicheskie poverkhnosti. 214 p.

AKADEMIYA NAUK SSSR, Sibirskoe otdel'noe seminar, algebr i logiki. Algebra i logika [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Seminar of Algebra and Logic. Algebra and Logic]. Novosibirsk, vol. 4, no. 1, 1985.

- Table of contents translated:
- Gladkii, A. V. - Some algorithmic problems for context-free grammars. p. 3.
- Gorchakov, I. U. M. - Infinite Frobenius groups. p. 15.
- Smirnov, D. M. - Automorphism groups of group rings of right-ordered groups. p. 31.
- Frolvald, R. - Complexity of the recognition of symmetry in Turing machines with data input. p. 47.

DIFFERENTIAL'NYE URAVNIENIYA [DIFFERENTIAL EQUATIONS]. Minsk, vol. 1, no. 4, Apr. 1985.

- Table of contents translated:
- Arbelev, N. V., Tsalluk, Z. B. - Differential inequalities. p. 431.
- Vorob'ev, A. P. - Qualitative study of integral curves in the large of isochronous systems of two differential equations. p. 439.
- Vinogradov, N. N. - Some theorems on the existence of a periodic solution and determining the boundary of the region of asymptotic stability of the trivial solution to a system of ordinary differential equations. p. 442.
- Murn'vov, P. A. - Solution of ordinary differential equations by the separation of a derivative with a product. p. 449.
- Zakharov, V. P. - Limiting cycles of infinite multiplicity. p. 464.
- Logunov, V. I. - Asymptotic behavior of the solutions to a linear differential equation of the  $n$ th order with delayed argument. p. 467.
- Izobov, N. A. - Set of lower exponents of a linear differential system. p. 469.
- Teptin, A. L. - Some properties of solutions to linear difference equations approximating differential equations in a nonoscillation interval. p. 478.
- Polovin, R. V. - Nonlinear magneto-hydrodynamic waves. p. 499.
- Brish, N. I. - Classical solution to mixed problems for nonstationary equations. p. 523.
- Ivanov, E. A. - Diffraction of electromagnetic waves emitted by an electric dipole on two discs with a common axis of rotation. p. 529.
- Grudt, E. I. - Study of the solutions to a class of integrodifferential equations. p. 535.
- Bel'tukov, B. A. - Analogue of the Runge-Kutta method of solving nonlinear integral equations of the Volterra type. p. 545.
- Kukles, I. - Information on the Samarkand Symposium. p. 560.

KIBERNETIKA [CYBERNETICS]. Organ of Otdelenie matematiki, mekhaniki i kibernetiki Akademii nauk Ukrain'skoi SSR [Department of Mathematics, Mechanics and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 2, Mar.-Apr. 1985.

- Table of contents translated:
- Kulinkovich, A. E., IUschenko, E. L. - Basic algorithmic language. p. 3.
- Suprunenko, D. A., Tyshkevich, R. I. - Dynamic representations and one class of determinate machines. p. 9.
- Korshunov, A. D. - Asymptotic evaluation of the complexity of some classes of switching circuits. p. 18.
- Borodianskii, I. U. M. - Some remarks concerning the simulation of an adaptation to an external media using finite automata. p. 29.
- Kovalenko, I. N. - Complexity of the representation of events in probability and determinate finite automata. p. 35.
- Aizenberg, N. N., Rabinovich, Z. L. - Some classes of functionally complete systems of operations and canonical form of the representation of functions of many-valued logic. p. 37.
- Ivan'kin, I. U. L. - One class of three-valued algebra and its use in the synthesis of ternary logic networks consisting of ternary components. p. 40.
- Zakrevskii, A. D. - Algorithms for minimizing poorly defined Boolean functions. p. 53.
- Plavchenko, O. N. - Interpolational parallel-type digital integrating machines with multiple-order increments. p. 61.
- Pukhov, G. E. - Method for deriving potentially-zero and equipotential points in analog computers. p. 71.
- Pogrebinskii, S. B., Lozinskii, L. S. - Sorting of information by means of magnetic tapes. p. 73.
- Letchikovskii, A. A. - Representation of context-free languages in push-down automata. p. 80.

- Mikhalevich, V. S. - Sequential optimization and their application. Part 2. p. 85.
- Zaretskii, K. A. - Transformation of an unconstrained graph into a cartesian product. p. 89.
- Alekseev, A. A. - Probability model of a multialigned counter. p. 90.
- Ivanenko, V. I., Koroliuk, V. S. - Method for synthesis of optimum automatic control systems. p. 98.
- Kozachkov, L. S., Starinets, V. S. - Scientific notation. p. 102.

MATEMATICHESKII SBORNIK [MATHEMATICAL VIEW]. Issued by Akademiya nauk SSSR and Moskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Math Society]. Moscow, vol. 60(108), no. 3, Mar. 1985.

- Table of contents translated:
- Ramm, A. G. - Spectral properties of Schrödinger operator in domains with infinite boundary.
- Domidovich, B. P. - Generalization of the eric Lapunov stability for regular systems. p. 3.
- Ziza, O. A. - Summation of orthogonal series in Euler's methods. p. 354.
- Lesokhin, M. M. - Duality of complex characters semicharacters of commutative semigroups.
- Levin, B. I. A. - Convergence of sequences of Il-nomials. p. 384.
- Shmulev, I. I. - Periodic solutions of the first value problem for parabolic equations. p. 38.
- Gol'dberg, A. A. - Integral over a semiadditive and its application to the theory of entire functions. p. 411.
- Berkovich, I. A. G. - Existence of noninvariant subgroups of a finite insoluble group. p. 453.
- Chernavskii, A. V. - Supplement to the article 'open mappings of manifolds of finite multiplicity'. p. 471.

Vol. 67(109), no. 1, May 1985.

- Table of contents translated:
- Dunduchenko, L. E. - Reduction to the shift-vol type of certain functions analytic in a finitely needed region. p. 3.
- Gol'dberg, V. N., Neimark, I. U. I. - Correction of a nonlinear mixed problem for a wave function on a plane. p. 18.
- Arkhangelskii, A. V. - A class of spaces containing all metric and all locally bicompact spaces. p. 55.
- Lunis, G. L. - Dirichlet series with complex exponents. p. 89.
- Baranovich, T. M. - Free resolutions and intersections of primitive classes of algebras. p. 10.
- Zalozskii, A. E. - Soluble groups and cross products. p. 154.

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOL]. Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, May-June 1985.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego srednego spetsial'nogo obrazovaniya, Izvestiya v shtikh uchilnykh zavedeniakh, matematika [Ministry Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Mathematics]. Moscow, no. 2(45), 1985.

- Table of contents translated:
- Aliev, R. G. - Some characteristics of solutions ordinary differential equation of the fourth order. p. 3.
- Vella, B. E. - Bessel and Hilbert systems in Banach spaces and some stability problems. p. 7.
- Vinokurov, V. R. - Order of the exponential growth of the solution to a system of linear Volterra type integral equations. p. 24.
- Gabisonia, O. D. - Approximation of functions of several variables by integral functions. p. 30.
- Garkavi, A. L. - Quasi-Chelyshev systems of continuous functions. p. 36.
- Geldel'man, R. M. - Transformation of triorthogonal quadratic systems in four-dimensional non-Euclidean spaces. p. 45.
- Gribanov, I. U. I. - Abstract spaces of sequences.
- Zlatinov, F. Z. - Spectrum of a linear differential operator of the second order in a Hilbert space vector functions with values from abstract Hilbert spaces. Part 2. p. 69.
- Kasatkina, N. V. - Integral inequalities for multidimensional Volterra-type integral equations. p. 7.
- Levin, V. L. - Theorem on open mappings for unbounded spaces. p. 86.
- Lemesheva, O. M. - Study of boundary value problems for a Tricomi equation by methods of the theory of analytic functions. p. 91.
- Medvedev, M. V. - Uniqueness conditions for a limiting cycle. p. 99.
- Miroshnichenko, A. S. - Some extremum problems in the theory of schlicht functions. p. 104.
- Mianik, V. P. - Periodic solutions to integrodifferential difference equations. p. 110.

- Mukhtarov, Kh. Sh. - Study of one nonlinear singular equation with a Hilbert kernel. p. 118.
- Pavlovskii, N. M. - Study of certain linear processes of approximation of the S. N. Bernstein and V. Rogozinski type. p. 126.
- Ramm, A. G. - Wave diffusion. p. 136.
- Rogozhina, I. S. - A boundary value problem with a displacement for a piecewise analytic function. p. 139.
- Sakhaev, I. I. - Weak dimensionality of moduli, rings, and algebras. Projectivity of planar moduli. p. 152.
- Sinev, E. A. - Simultaneous orthogonality of functions in a domain and on its contours. p. 158.
- Slavutskii, I. Sh. - Upper bound and arithmetic calculation of the class-number of ideals of real quadratic fields. p. 161.
- Slepenchuk, K. M. - Summation of series by  $(C_0, \lambda)$ -methods. p. 166.
- Terekhin, A. P. - Approximation of functions of bounded p-variation. p. 171.
- Cherskii, I. U. - The Wiener-Hopf integrodifferential equation and its applications. p. 188.
- Norden, A. P., Shapukov, B. N., Boris Lukich Laptev, on his 60th birthday. p. 201.

**SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]** Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 6, no. 2, Mar.-Apr. 1965.

- Table of contents translated:
- Arnautov, V. I. - Theory of topological rings. p. 249.
- Bakhtin, I. A. - Geometry of cones in a Banach space. p. 262.
- Beskin, L. N. - Cartan's theorem on Pfaff's system in an involution. p. 271.
- Burmistrovich, I. E. - Commutative bands of semigroups with contraction. p. 284.
- Govorov, V. E. - Plane moduli. p. 300.
- Ionin, V. K. - Some problems for convex surfaces with limitations for curvature. p. 305.
- Kondrashov, V. E. - Fundamental solutions to problems correct in a half-space for certain regular equations with multiple characteristics. p. 323.
- Kostyrko, V. F. - The Entscheldungs problem for an Ackermann case. p. 342.
- Leon'ev, A. F. - Comparison by growth of linear combinations of functions from two systems close to each other. p. 364.
- Mas'kin, N. M. - Infinitesimal dual spherical transformations of line complexes. p. 383.
- Mil'man, V. D. - Perturbations of sequences of elements of a Banach space. p. 398.
- Nagaev, S. V. - Ergodic theorems for Markov processes with discrete time. p. 413.
- Smirnov, D. M. - Ordered groups with multiple operators. p. 433.
- Shevrin, L. N. - Structural properties of idempotent semigroups. p. 459.

**UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]** Organ of Institut matematiki Akademii nauk URSS [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 17, no. 2, 1965.

- Table of contents translated:
- Belyi, V. I. - Approximation of functions of certain classes in a complex domain. p. 3.
- Borisova, S. I. U. - Asymptotic representation of the Cauchy problem for an integrodifferential equation containing a small parameter at the higher derivatives in the case of an irregular kernel. p. 19.
- Gorbachuk, M. L. - Representation of positively defined operator functions. p. 28.
- Korolev, V. V. - Existence and uniqueness of the periodic solution to n-dimensional autonomous systems. p. 47.
- Polozhii, G. N. - Limiting values and reversion formula along the sections of the main integral representation of p-analytic functions with the characteristic  $p = \pm k$ . Part 2. p. 61.
- Rolter, A. V. - E-systems of representations. p. 88.
- Skorokhod, A. V., Slobodeniuk, N. P. - Limiting distribution for additive functionals of a sequence of sums of independent equally distributed latticed random variables. p. 97.
- Azietskii, S. P. - Some remarks on groups with a single minimal system of Sylow classes. p. 106.
- Burov, V. N. - Two types of conditionally extremum problems and the general approach to their study. p. 107.
- Dukhovnyi, M. A. - Extension of P. I. Romanovskii's theorem to a class of double singular integrals. p. 111.
- Krivtsova, M. N. - Integral representation of the solution of a class of nonlinear differential equations. p. 115.
- Samilov, Gr. - A family of rectilinear complexes. p. 120.
- Chan Chang - Representation of positively defined matrices by eigenfunctions of difference operators. p. 124.

- Chaus, M. N. - Representations of positively defined nuclei through eigenfunctions of difference expressions. p. 129.
- Chuchel, A. P. - A recursion relation for numerical functions. p. 134.
- Breus, K. - "On the theory of almost periodic solutions to ordinary differential equations" (doctor's dissertation of V. Kh. Kharasakhala). p. 137.
- \*USPEKHI MATEMATICHESKIIH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]** Issued by Akademiya nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 20, no. 2(122), Mar.-Apr. 1965.
- Table of contents translated:
- Platetskii, Shapiro, I. I. - Geometry and classification of bounded homogeneous regions. p. 3.
- Timan, A. P. - Deformation of metric spaces and some associated problems in the theory of functions. p. 53.
- Bredikhin, B. M. - The variance method and binary additive problems of a definite type. p. 69.
- Krein, M. G. - Vito'ld L'vovich Shmul'tan, on the 50th anniversary of his birth and the 20th anniversary of his death. p. 131.
- Rakhov, D. A. - V. L. Shmul'tan's works on linear topological spaces. p. 135.
- Aizerman, M. A., and others - Feliks Ruvimovich Gantmakher, obituary. p. 149.
- Balk, M. B. - Great theorem of Picard for integral bianalytic functions. p. 159.
- Berezanskii, I. A. - Hypercompleteness of the topological sum of a denumerable set of straight lines. p. 167.
- Goldets, V. I. A. - Irreducible representations of commutation and anticommutation relations. p. 175.
- Erem'in, I. I. - Generalization of Mol'skin - Agmon's relaxation method. p. 183.
- Landkof, N. S. - Hausdorff measures and capacities. Estimates of potentials. p. 189.
- Olevskii, A. M. - One problem of P. L. Ul'anov. p. 197.
- Serebrianyi, A. I. - Events representable in finite automata. p. 203.
- Khazin, L. G. - Energy integrals of hyperbolic systems with constant coefficients. p. 207.
- Iudovich, V. I. - Estimate of a solution to an elliptic equation. p. 213.
- Ibragimov, I. I., Malyshev, A. V., Petrov, V. V. - Yuri Vladimirovich Linnik; on his 50th birthday. p. 221.
- Lenskoi, D. N., Linnik, I. U. V. - Nikolai Grigor'evich Chudakov; on his 60th birthday. p. 237.
- Abstracts of papers accepted by the Moscow Mathematical Society for publication. p. 244.
- Andrunakievich, V. A., Bychkov, V. P. - Mathematics in the Moldavian S.S.R. p. 247.
- Morkovina, N. I. - Defense of dissertations on mathematics. p. 259.
- Kalishna, L. P. - New books on mathematics. p. 267.

**f. PHYSICS**

- AKADEMIA NAUK KAZAKHSSKOI SSR, Alma-Ata, Izvestiia, Seriya fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin, Series in the Physicomathematical Sciences]**, Alma-Ata, vol. 3, no. 1, Jan.-Apr. 1965.
- Table of contents translated:
- Urazbaev, B. M. - Algebra of elementary Abelian fields. p. 3.
- Peradskii, K. P. - Differential equations in nonlinear spaces. p. 10.
- Kim, E. I., Ni, V. Kh. - Solution of a system of parabolic differential equations when the characteristic equation has multiple roots. p. 18.
- Zhumabekov, L. - Solvability of a problem for a parabolic system with discontinuous coefficients. p. 30.
- Khabibullin, A. A. - Use of the principle of reduction and Liapunov's second method in solving differential equations in Banach spaces. p. 39.
- Problem with an initial discontinuity for nonlinear differential equations containing a small parameter. p. 40.
- Umbel'zhanov, D. U. - Periodic and quasi-periodic solutions to certain quasi-linear differential equations. p. 54.
- Bulashova, L. K. - A bounded Cauchy problem. p. 65.
- Pokazeev, V. I. - Riemann-Carleman's problem for a class of generalized analytic functions. p. 72.
- Kashkarov, V. P. - Thermal diffusion in a fan jet. p. 82.
- Shukurov, S. - Axisymmetrical oscillations of shells little different from cylindrical ones. p. 87.
- Bleiv, N. K. - Existence of an analytic solution to an elliptic system degenerate in a point. p. 88.
- Maigarin, B. Zh. - Stability of nonlinear controlled systems. p. 105.

**\*AKADEMIA NAUK SSSR, Izvestiia, Fizika atmosfery i okeana [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Atmospheric and Oceanic Physics]**, Moscow, vol. 1, no. 1, Jan. 1965.

- Table of contents translated:
- Marchuk, G. I. - Role of research in the physics of the atmosphere and the ocean for weather forecasting. p. 5.
- Gavrilln, B. L. - Description of the vertical structure of synoptic processes. p. 8.
- Papov, S. M. - Some statistical characteristics of the vertical structure of the temperature and humidity fields. p. 13.
- Koprov, L. I., Malkevich, M. S. - Empirical orthogonal functions for the optimum parameterization of the temperature and humidity profiles. p. 27.
- Felgel'son, E. M. - Some possibilities of studying the heat and moisture exchange in the atmosphere. p. 33.
- Monin, A. S. - Properties of the symmetry for turbulence in the surface layer of air. p. 45.
- Gurvich, A. S. - Vertical temperature and wind velocity profiles in the lowest atmospheric layer. p. 55.
- Koprov, B. M. - Measuring the transfer functions of the IL-14 airplane. p. 60.
- Vul'fson, N. I., Gusan, N. A., Shatskii, V. I. - Relation of microstructure parameters to convective motions in clouds. p. 74.
- Cherkesov, L. V. - Long waves in a viscous fluid. p. 84.
- Ivanov, R. N. - Sea level rises due to waves and drift. p. 94.
- Malkova, V. S. - Light scattering by haze particles. p. 109.
- Dorzhiev, K. I., and others. - A field spectrophotometeric apparatus. p. 114.
- Adamenko, V. N., Vinnikov, K. I. A. - International symposium on radiation. p. 116.
- Kondrat'ev, K. I. A., Malkevich, M. S. - The 15th International Astronautical Congress. p. 122.
- International conferences on atmospheric physics in 1965. p. 125.

**Vol. 1, no. 2, Feb. 1965**

- Table of contents translated:
- Marchuk, G. I., and others. - An operative quasi-geostrophic short-range weather forecast for five atmospheric levels. p. 120.
- Goltysn, G. S. - Damping of small oscillations in the atmosphere due to viscosity and heat conduction. p. 136.
- Zilitinkevich, S. S., Likhthman, D. L. - Turbulent regime in the lowest atmospheric layer. p. 150.
- Iaglom, A. M. - Lagrangian characteristics of turbulence in a thermally stratified surface layer and in convective jets. p. 157.
- Sivets, M. E., Shmeirov, B. E. - Calculation of the flow of heat into the soil. p. 167.
- Kondrat'ev, K. I. A., and others. - Apparatus for studies of the infrared spectrum of the absorption and heat radiation of the atmosphere. p. 175.
- Barteneva, O. D., Poliakova, E. A. - Study of the attenuation and scattering of light in natural fog due to its microphysical properties. p. 193.
- Khorguan, V. G. - Determining the collision efficiency of cloud particles of comparable sizes by a model experiment. p. 200.
- Kozlov, V. F. - Meridional structure of currents at the equator. p. 214.
- Katkov, V. L. - Self-similar solutions of a problem on local wind. p. 224.
- Germogenova, O. A. - Interference phenomena in the scattering forward on a system of particles. p. 237.
- Makholkin, L. G. - Change in the electrostatic field intensity depending on the distance to the lightning discharge. p. 230.
- Boguslavskii, S. G., Kovshnikov, L. A. - Sub-Antarctic intermediate current in the Atlantic Ocean. p. 233.
- Dobrokonskii, S. V., Kononkova, O. E. - Seventieth birthday of Academician V. V. Shubelkin. p. 236.

**Vol. 1, no. 3, Mar. 1965**

- Table of contents translated:
- Felgel'son, E. M., Frolova, N. G. - Calculation of cloud cover. p. 241.
- Shulepov, I. U. V., Bulkov, M. V. - Theory of dissipation of stratus clouds in a nonturbulent atmosphere in the presence of descending vertical motions. p. 248.
- Monin, A. S. - Structure of the boundary layer of the atmosphere. p. 256.
- Pinus, N. Z. - Some characteristics of the development of turbulence over a flat terrain. p. 266.
- Noxon, J., Goody, R. - Incoherent scattering of skylight. p. 275.
- Rozenberg, G. V., Mullama, I. U. A. R. - Some possibilities of determining the wind velocity above the ocean surface by observations from artificial earth satellites. p. 282.
- Borovikov, A. M., Mazin, I. P., Nevzorov, A. N. - Some regularities in the distribution of large particles in clouds of various forms. p. 291.



- Dmitriyev, M. T. - Some physicochemical processes in the air caused by ionizing radiation. p.302.
- Gornatiuk, I. K., Sarkisian, A. S. - Results of calculations of currents in the North Atlantic by a four-level model. p.313.
- Legenkov, A. P. - Reflection of Sverdrup waves from the ice edge. p.327.
- Kompantota, A. I. - Aerosol indicatives of light scattering in the free atmosphere at heights of about 10 km. p.335.
- Krasnogorskiy, N. V. - Effect of electrical forces on the coagulation of particles of comparable sizes. p.336.
- Scherban', M. I. - Actinometric handbook "Foreign countries." p.346.
- Dobryshman, E. I. - Conference on the general circulation of the atmosphere. p.347.
- \*AKADEMIA NAUK SSSR, Izvestiya, Fizika zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physics of the Earth], Moscow, no.1, 1965.
- Table of contents translated:
- Vvedenskaya, A. V. - Dependence of shifts in body waves on the duration and propagation velocity of a dislocation. p.3.
- Lanson, Z. A. - Interference of SH waves in an elastic spherical layer lying on an elastic sphere. Part I. p.12.
- Parkhomenko, I. S., Obukhov, V. A. - Elastic impulses caused by the break-up of rocks under dynamic load. p.20.
- Rabinikin, L. A., Voskresenskiy, I. U. N. - Role of the roughness of seismic boundaries in the formation of head waves on them. p.31.
- Rabinikin, I. U. N. - Effect of pressure on certain properties of substances. p.42.
- Bogdanov, A. A., Vlasov, A. I. A. - Domain structure in a magnetite single crystal. Change in the domain structure due to an exterior magnetic field. p.49.
- Frolov, P. P. - Asymptotic behavior of magnetic field formation in a stratified medium. p.59.
- Pris, G. V. - Magnetic field sources having a directional effect. p.67.
- Voskoboinikov, G. M. - Integral transformations and the location of the singularities of the logarithmic potential. p.76.
- Strakhov, V. N. - An inverse problem in the theory of logarithmic potential. p.90.
- Ryzhova, T. V., Aleksandrov, K. S. - Elastic properties of potassium-sodium feldspars. p.98.
- Ozerskaya, M. L. - Effect of structural factors on the density and elastic properties of sedimentary rocks. p.103.
- Volatovych, M. P., Baluk, E. I., Gaidin, N. E. - Effect of high pressure on the elastic properties of rock samples collected along the outline of the area of deep seismic sounding in northern Karelia. p.109.
- Raspopov, O. M. - Analysis and comparison of computation graphs used in calculating the second vertical potential derivative. p.116.
- Frolov, A. I., Struve, P. A., Tsukernik, V. B. - Subglacial topographic structure of the region of the Antarctic station Mirnyi according to geophysical data. p.121.
- Baranskii, L. N. - Induction receiver of magnetic variations. p.127.
- Baranukov, O. M., Rivin, I. U. R. - Calibration of apparatus for recording short-period variations of earth currents. p.131.
- AKADEMIA NAUK SSSR, Izvestiya, Mekhanika [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Mechanics], Moscow, no.1, Jan.-Feb. 1965.
- Table of contents translated:
- Stulov, V. P., Tolonin, G. F. - Nonequilibrium supersonic air flow past a sphere. p.3.
- Gilinskiy, S. M., Lebedev, M. G. - Low M-number supersonic flow past plane and axisymmetric bodies following a shock wave. p.17.
- Katashnikov, V. N. - Trail behind a rotating body. p.24.
- Ivanov, I. U. P., Pashkova, L. V. - Stability of long waves in a flow of viscous incompressible fluid. p.29.
- Granat, N. L. - Energy losses due to the vibrations of a sphere in a two-phase mixture (vibrational viscosity and vibrational density of mixtures). p.34.
- Folgin, M. I. - Forced oscillations of a system with elastically installed damper of combined friction. p.42.
- Kachanov, L. M. - Creep due to fluctuations of temperature and load. p.50.
- Bykovtsov, G. I., Ivlov, D. D., Martynova, T. N. - Properties of general equations in the theory of an isotropic ideally plastic body with piecewise-linear potential. p.56.
- Kostluk, A. G. - Statistical model of a microheterogeneous medium. p.64.
- Rabinovich, I. Sh. - Contact compression of two elastic cones. p.68.
- Bolotin, V. V. - Theory of reinforced bodies. p.74.
- Lekhnitskiy, S. G. - More precise theory of inhomogeneous transversely isotropic plates of nonsymmetric structure. p.81.
- Chernykh, K. P. - Simple edge effect and the division of boundary conditions in the linear theory of thin shells. p.89.
- Chernyshev, G. N. - Design of spherical shells subjected to joint forces. p.99.
- Zvolinskiy, N. V. - Wave problems in the theory of elasticity of a continuous medium. p.109.
- Muavskiy, G. B. - Nonsteady vibrations of a load lying on an infinite plate supported by an elastic basis. p.124.
- Snalskiy, E. S. - Asymptotic representation of an operator describing the behavior of an elastic hereditary medium and affecting a power function. p.128.
- Tsikhin, A. I. - Integral transformations related to the biharmonic problem on a half-plane and a half-space and their applications to problems in the theory of elasticity. p.131.
- Stobolinskiy, M. G. - Improvement of certain evaluations for stresses in problems in the theory of elasticity. p.139.
- Amenzade, I. U. A. - Determination of the stressed state in an eccentric ring elastically joined to a circular disc made of a different material. p.142.
- Usilov, I. U. A. - Stress focusing on a half-plane and a plane with circular holes due to stretching. p.145.
- Agafonov, A. V. - Effect of a concentrated force suddenly applied to a cylindrical shell. p.148.
- Zhetulov, P. I. - Flexural flutter of feathered bodies. p.151.
- Sinitsin, I. N. - Stability of a heavy gyroscope in special gimbals. p.154.
- Kargu, L. I. - Motion of a statically unbalanced gyroscope. p.157.
- Gurevich, V. V. - One optimum control problem. p.159.
- Klimov, D. M., Rabinovich, I. U. I. - Effect of corrections on the drift of a gyroscope in gimbals mounted on a movable basis. p.163.
- Osetinskiy, I. U. V. - Stability of the motion of a gyroscope with two degrees of freedom. p.165.
- Filippov, V. A. - Stability of the motion of an asymmetrical gyroscope with radial correction. p.168.
- Seleznov, I. T., Nikulinskiy, S. N. - Propagation of small perturbations in a fluid flowing in an elastic cylindrical shell. p.173.
- Mugalev, V. P. - Effect of the injection of various gases on heat transfer near the leading critical point of a blunt-nosed body. p.175.
- Skrabkov, G. P. - Measuring the velocity of a diaphase (gas-liquid) flow by means of an impeller. p.181.
- Kishkarov, V. P. - Twisted fan-shaped jet. p.183.
- Bostandzhian, S. A., Stoll, A. M. - Flow of a non-Newtonian fluid between two parallel plates. p.185.
- Filinov, M. V. - Problem concerning the unsteady seepage of a liquid through nonuniform porous media. p.188.
- Zolotarev, P. P., Nikolaevskiy, V. N. - Propagation of stress and pressure jumps in a water-saturated soil. p.191.
- Muskiy, E. M., Pashkin, M. A. - Experimental study of nonsteady motion of a gas in a porous medium under a nonlinear law of resistance. p.197.
- Ivanov, V. A. - Phase permeability of a porous medium by a percolating three-phase flow. p.200.
- Slezkin, N. A. - Remarks on K. P. Strashinsky's articles. p.203.
- Gurevich, M. I. - An error in F. O. Ringold's paper. p.205.
- Sorokin, E. S. - Comments on V. G. Ebanoldze's articles. p.206.
- \*AKADEMIA NAUK SSSR, Izvestiya, Seriya fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physical Series], Moscow, vol.29, no.4, Apr. 1965.
- Table of contents translated:
- Kolotov, O. S., Pogozhev, V. A. - Method of studying the dynamic properties of thin magnetic films in the nanosecond range. p.538.
- Kolotov, O. S., Telesin, R. V. - Some characteristics of nonuniform rotation in thin Permalloy films. p.543.
- Telesin, R. V., Kolotov, O. S., Pogozhev, V. A. - Conditions for the change over from nonuniform to uniform rotation in the magnetic reversal of thin Permalloy films. p.546.
- Telesin, R. V., Nikitina, T. N. - Effect of anisotropy dispersion on the dynamic properties of thin Permalloy films. p.548.
- Il'icheva, E. N., Kolotov, I. S. - Interrupted processes of pulsed magnetic reversal. p.552.
- Lesnik, A. G., Pushkar', V. N. - Dependence of the limit of reversible rotation on the "dispersion" of the field of anisotropy by magnitude and direction. p.555.
- Durasova, I. U. A., Nikitina, T. N. - Some electron-microscopic and electron-diffraction studies of the structure of thin Permalloy films. p.557.
- Lesnik, A. G., Levin, G. I. - Measurement of the magnetic characteristics of Permalloy films by the resonance absorption method. p.560.
- Telesin, R. V., Kozlov, V. I. - Local study of thin ferromagnetic films by the ferromagnetic resonance method. p.566.
- Telesin, R. V., and others. - Creeping of boundaries in Permalloy films. p.571.
- Vu Din' Ky - Plane galvanomagnetic effect in thin ferromagnetic films. p.576.
- Kuritsyna, E. F., Vu Din' Ky - Use of the plane galvanomagnetic effect in determining the static characteristics of ferromagnetic films. p.580.
- Telesin, R. V., Sarajeva, I. M., Shishkov, A. G. - Anisotropy of thin Permalloy films caused by a field and the oblique incidence of a molecular beam. p.586.
- Lesnik, A. G., Levin, G. I., Kaverina, S. N. - Effect of unevenness of a backing surface on the coercive force of Permalloy films. p.591.
- Kolotov, O. S. - Measurement of the coercive force of thin Permalloy films by the pulse method. p.597.
- Kurograd, K. A. - Some static characteristics of thin Permalloy films. p.599.
- Kirenskiy, L. V., and others. - Multilayer thin ferromagnetic films. p.604.
- Kirenskiy, L. V., Izotov, T. P., Salanskii, N. M. - Magnetic interaction of layers in a double-layer film. p.610.
- Pushkar', V. N., Zolchuk, O. A., Lesnik, A. G. - Electron-microscopic study of the domain structure of Permalloy films with varying dispersion of the axis of anisotropy. p.615.
- Savchenko, M. K., and others. - Bloch walls as a thin magnetic film. p.617.
- Antipin, I. P., and others. - Effect of mechanical deformations on the domain structure and hysteretic loops of thin magnetic films. p.620.
- O. P. Pavlichenko, G. V. Spivak, Shakhmanov, V. V. - Thin films produced by cathode sputtering of ferrites. p.626.
- Dubnina, E. M., and others. - Formation of Permalloy films by means of a high-vacuum ion source. p.629.
- Spivak, G. V., and others. - Magnetic properties of Permalloy films formed by ion bombardment. p.634.
- Levin, G. I. - Metallic films produced by the method of electron beam heating. p.639.
- Ershev, R. E., Volgina, Z. M. - Use of a variable field in demagnetizing thin cobalt films produced by electrolytic precipitation. p.642.
- Kolotnikov, N. V., Sokolov, L. N., Fadeev, V. I. - Determining the optimum current density in producing films by the galvanic method. p.647.
- Korenev, N. A. - Chemically precipitated nickel-cobalt films. p.650.
- Buravikhin, V. A., Kazakov, V. G. - Polarity of interdomain boundaries of ferromagnetic films. p.655.
- Buravikhin, V. A., Kazakov, V. G., Popov, V. I. - Effect of elastic stresses on the coercive force and shape of hysteresis loops in ferromagnetic films. p.659.
- Kazakov, V. G. - Change in the domain structure of ferromagnetic films due to elastic stresses. p.663.
- Buravikhin, V. A., Kazakov, V. G. - Effect of elastic stresses on the magnetization and magnetic reversal of ferromagnetic films. p.668.
- Popov, V. I. - Methods of filming and studying the magnetic structure of ferromagnetic films at various temperatures using an EM-7 electron microscope. p.673.
- Buravikhin, V. A., Popov, V. I. - Effect of the temperature of backing and thermomagnetic treatment on the magnetic properties of ferromagnetic films. p.677.
- Buravikhin, V. A., Popov, V. I. - Temperature dependence of the domain structure of thin ferromagnetic films. p.682.
- Nedel'ko, A. A. - Setup for producing and studying the magnetic properties of ferromagnetic films in a vacuum. p.684.
- Kirenskiy, L. V., and others. - Thin films of iron-gadolinium alloys. p.689.
- Buravikhin, V. A., Nedel'ko, A. A. - Dependence of the magnetic properties of iron-gadolinium films on their thickness. p.695.
- Shishkov, A. G. - Polarity of Bloch walls in thin ferromagnetic films. p.699.
- Vinogradov, O. A. - Bloch walls of alternating polarity in thin ferromagnetic films. p.702.
- Shur, I. A. S., and others. - Nature of the uniaxial anisotropy of thin ferromagnetic films. p.708.
- Vol. 29, no.5, May 1965.
- Table of contents translated:
- Dzhelepov, B. S., Tishkin, P. A., Shishelov, I. A. - New data on  $\text{Re}^{184}$  decay. p.714.
- Grigor'ev, E. P., and others. - On  $\text{Mg}^{80}$  decay. p.721.
- Khulidze, D. E., Chikhladze, V. L., Onufriev, V. G. - The  $\text{Sn}^{100}$  decay scheme. p.726.

- Khuleidze, D. E., and others. - Isomeric transitions in  $^{114}\text{In}^*$  and  $^{115}\text{In}^*$ . The  $\beta^+$ -spectrum of  $^{115}\text{In}^*$ . p. 734.
- Sumbaev, O. I., and others. - Study of the excited states of  $\text{Rh}^{104,104*}$  based on gamma radiation from the  $(n, \gamma)$ -reaction. p. 739.
- Groshev, L. V., Demidov, A. M., Shadiev, N. - Spectrum of gamma rays originating in the capture of thermal neutrons by palladium. p. 760.
- Groshev, L. V., Demidov, A. M., Shadiev, N. - Spectrum of gamma rays originating in the capture of thermal neutrons by gold. p. 766.
- Groshev, L. V., and others. - Levels of the  $\text{Er}^{168}$  nucleus excitable in the  $(n, \gamma)$  reaction. p. 772.
- Groshev, L. V., Shadiev, N. - Levels of the  $\text{Ho}^{165}$  nucleus from the  $(n, \gamma)$  reaction. p. 782.
- Alkhazov, D. G., and others. - Polarization of gamma rays emitted in the Coulomb excitation of certain nuclei with odd A. p. 787.
- Kocharov, G. E. - Effect of a neutrino background in the universe on the shape of the beta spectrum. p. 794.
- Val'ter, A. K., Kopanets, E. G., Tsytko, S. P. - Measurement of the linear polarization of 1.97 Mev. gamma rays in the reaction  $\text{Ar}^{36} (p, p'\gamma) \text{Ar}^{36}$ . p. 800.
- Val'ter, A. K., Kopanets, E. G., Tsytko, S. P. - Levels of the  $\text{Al}^{27}$  nucleus with excitation energies of 10, 495 and 3.05 Mev. p. 803.
- Bobynin, B. V., Kel'man, V. M., Mednikova, L. S. - Deflecting properties and dispersion of an electrostatic prismatic spectrometer. p. 808.
- Tikhonov, A. N., and others. - Processing of spectra of gamma quanta and fast neutrons measured by means of single-crystal scintillation spectrometers. p. 815.
- Sorokin, A. A., Shtal', M. Z., Rybakov, V. N. - The  $\text{Te}^{130}$  decay scheme. p. 819.
- Luk'yanov, V. K., Petkov, I. Zh. - Inelastic scattering of heavy particles with excitation of collective nuclear states. p. 823.
- Gadetakis, O. G., Piatov, N. I. - Effect of pair correlations on E1-transitions in deformed nuclei. p. 830.
- Berlovich, E. E. - Characteristics of electric dipole transitions in odd deformed nuclei. p. 838.
- Berlovich, E. E., Melting, W., Tarasov, V. K. - Applicability of the Ikegami - Udagawa method in allowing for pair correlations when calculating the probability of electromagnetic transitions in deformed nuclei. p. 846.
- Isakov, V. I. - Influence of second-order effects on angular correlations in Coulomb excitation of nuclei. p. 849.
- Gangskil, I. U. P., Isakov, V. I., Lember, I. Kh. - Effect of interference in the Coulomb excitation of  $2^+$  levels in even-even nuclei. p. 853.
- Lemirhanov, R. A., Dorekhov, V. V., Dzhuksa, M. I. - Masses of stable isotopes of neodymium, praseodymium, cerium, and lanthanum. p. 857.
- Korzh, I. A., Kashuba, I. E., Totalski, I. A. - Elastic scattering of medium-energy neutrons, and an optical nuclear model. p. 862.
- Borisoglebski, L. A. - Absolute (reduced) and relative probabilities of EO-conversion. p. 868.
- AKTINOMETRICHESKII EZHEMESIACHNIK [ACTINOMETRIC MONTHLY].** Issued by Glavnaya geofizicheskaya observatoriya i Leningradskaya gidrometeorologicheskaya observatoriya [Main Geophysical Observatory and the Leningrad Hydrometeorological Observatory]. Leningrad, no. 1, July 1962, publ. 1964, no. 1, Dec. 1962, publ. 1965, no. 1, Jan. 1963, publ. 1965.
- CHEKHO-SLOVAKSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS.** Issued by Chekhoslovatskaya akademiya nauk [Czechoslovak Academy of Sciences]. Prague, vol. 15, no. 5, 1965.
- \*FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 5, May 1965.
- Table of contents translated:
- Provotorov, B. N., Samokhin, A. A. - Spin absorption in weak magnetic fields. p. 1291.
- Osiko, V. V. - Thermodynamics of optical centers in  $\text{CaF}_2\text{-Tr}^{3+}$  crystals. p. 1294.
- Cheban, A. G. - Thermal ionization of impurity centers in the presence of an external electric field. p. 1303.
- Gorlunova, N. A., and others. - Electric and photoelectric properties of  $\text{ZnSiP}_2$ . p. 1312.
- Emel'yanenko, O. V., and others. - Formation and properties of an impurity zone in n-GaAs. p. 1315.
- Krasko, G. L. - A method for studying phase transitions in solid bodies. p. 1324.
- Sukharevskii, G. M. - Dynamic polarization of protons in hydrated paramagnetic salts by the method of multiple rapid adiabatic crossing of the forbidden line. p. 1331.
- Gurgenishvili, G. E., Khutishvili, G. R. - Quantum oscillations of the relaxation time of nuclei in semimetals. p. 1335.
- Characteristic temperature of copper and Cu-Sn alloys found from measurements of the temperature coefficient of X-ray scattering. p. 1342.
- Roliford, A. L. - Theory of steady nonconservative motion of a dislocation. p. 1349.
- Katrich, G. A., Sarchel, O. G., Taraschenko, D. T. - Surface conductivity of Au-doped Ge. p. 1352.
- Levinson, I. G. - Effects of the escape of hot electrons in n-InSb at low temperatures. p. 1362.
- Melik-Barkhudarov, T. K. - Discontinuity in the heat of superconductors. p. 1368.
- Synorov, V. F., Bugakov, S. S., Stepanov, V. V. - Effect of low-energy nitrogen ions on a germanium surface. p. 1375.
- Gorshenzon, E. M., Gurvich, I. U. A., Litvak-Gorskaya, L. B. - Anisotropic absorption of electromagnetic waves by hot carriers in semiconductors. p. 1378.
- Pisarev, R. V. - Optical absorption spectrum of the antiferromagnet  $\text{NaNiF}_3$ . p. 1382.
- Sazonov, A. M., Grigor'ev, S. B. - Time dependence of the establishment of equilibrium magnetization of a nuclear spin system under the action of ultrasound. p. 1389.
- Rode, V. E., Gersman, R., Grishina, I. V. - Temperature dependence of the magnetization of ferrites at low temperatures. p. 1393.
- Litubutin, I. S. - Anomalies of the coercive force and remanent magnetism in substituted rare earth ferrites-garnets. p. 1397.
- Finkel', V. M., and others. - Interaction between a crack and dislocation boundaries. p. 1402.
- Bredov, M. M., and others. - Phonon spectra in aluminum. p. 1413.
- Kotov, B. A., Okuneva, N. M., Shakh-Budagov, A. L. - Hybrid system of a neutron spectrometer. p. 1423.
- Antipin, A. A., and others. - Study of the paramagnetic resonance of erbium and europium in artificial  $\text{PbMoO}_4$  single crystals. p. 1425.
- Zakharovich, B. P., Varfolomeev, A. V., Rusanov, I. B. - Zeeman splitting of the emission line  $\lambda_{2.35\mu}$  in the spectrum of the  $\text{CaF}_2\text{-Dy}^{3+}$  crystal. p. 1428.
- Rybarski, V. - Quantum theory of anisotropic single-domain ferromagnets. p. 1438.
- Belustin, A. A., and others. - Mifsbauer effect in alkali ferrosilicate glasses. p. 1447.
- Zimkina, T. M., Lukirskii, A. P. - Photoionization, absorption in alkali halide crystals in the 23-100 Å range. p. 1455.
- Zimkina, T. M., Lukirskii, A. P. - Fine structure of LIII-II absorption spectra of Cl in the compounds  $\text{LiCl}$ ,  $\text{NaCl}$ ,  $\text{KCl}$ ,  $\text{RbCl}$ , and  $\text{CsCl}$ . p. 1462.
- Perlin, I. U. E., Ogurtsov, I. A. - Use of the variation method in the thermodynamics of impurity-phonon systems. p. 1467.
- Konorova, E. A., Sorokina, L. A. - Temperature dependence of the electric strength of alkali halide crystals. p. 1475.
- Ismenkov, A. N., and others. - Electron-photo transition in heavily degenerate semiconductors in the case of superhigh current densities. p. 1480.
- Komarov, G. V., Regel', A. R. - Effect of the orientation of a growing bismuth crystal on the Peltier coefficient for the solid-liquid interface. p. 1486.
- Ioth, E. M. - Effect of a two-level impurity system on the phonon spectrum of a crystal and the one-quantum inelastic scattering of neutrons. p. 1490.
- Shol'ts, E. V. - Asymmetry of hysteresis loops in small particles of MnBi alloys. p. 1495.
- Eltos, A. L. - Theory of oscillations of longitudinal magnetoresistance. p. 1501.
- Kazarinov, R. F., and others. - Electromagnetic theory of injection lasers. p. 1508.
- Dantsiger, A. I., Frelzon, I. A. - Ferroelectric properties of solid solutions of the system  $\text{KNO}_3\text{-Kf}$ . p. 1517.
- Lebed, B. M., Shevlyagin, K. V. - Temperature and frequency dependences of the ferromagnetic resonance line width in ferrite signal crystals near the Curie point. p. 1519.
- Savchenko, M. A., Gann, V. V. - Coupled magnetoelastic waves in helicoidal magnetic structures. p. 1523.
- Meitikhov, E. Z. - Determining the parameters of trapping and recombination levels in CdS. p. 1529.
- Kopvillem, U. Kh., Khabibullin, B. M. - Theory of the sensitivity of quantum counters. p. 1535.
- Bekker, I. A. M. - Some characteristics of the heat resistance of ferrites. p. 1545.
- Kovtonuk, N. F. - Gradient-recombination photo-e.m.f. in semiconductors. p. 1548.
- Miloslavskii, V. K., Liaschenko, S. P. - Concentration shift of the edge of the characteristic absorption band in tin dioxide. p. 1550.
- Izvoschikov, V. A., Kosman, M. S., Cherniavskii, K. A. - Photocurrent fluctuations in PbO photoresistors. p. 1552.
- Nakhmanson, R. S. - Effect of an external electric field on the breakdown of p-n, p-n-p, and p-n-p-n structures. p. 1558.
- Vavilov, V. S., Nolte, E. L., Maksimovskii, S. N. - Probability (yield) of radiative recombination in cadmium telluride under electron excitation. p. 1558.
- Kondrashev, A. I., Petrov, N. N. - Electron emission in the bombardment of single crystals of alkali halide compounds by slow helium and argon ions. p. 1559.
- Demchuk, K. M., Tsidi'kovskii, I. M., Rodionov, K. P. - Transport phenomena in doped indium antimonide at high pressures. p. 1561.
- Dzhamagidze, Sh. Z., and others. - Study on the self-absorption edge in boron. p. 1563.
- Serebrov, L. A., Saito, V. I. - Field-intensified secondary electron emission in shooting through thin layers of magnesium fluoride. p. 1565.
- Selivanenko, A. S. - Generation of superconducting states in pure semiconductors by illumination with a powerful laser. p. 1567.
- Vekhter, B. G., Bersuker, I. B. - Heat capacity and heat conductivity anomalies in complex crystals. p. 1569.
- Zakharov, V. K., Iudin, D. M. - Use of the electron paramagnetic resonance method in studying glasses containing chromium. p. 1571.
- Kurkin, S. A., Odintsov, D. D. - Effect of vacancies on the free path of electrons. p. 1573.
- Antipin, A. A., and others. - Paramagnetic resonance of trivalent samarium in  $\text{CaF}_2$  single crystals. p. 1575.
- Mirlasov, N. Z., Semkina, V. A. - Temperature dependence of the parameters of ferromagnetic resonance in ferrites with induced uniaxial magnetic anisotropy. p. 1577.
- Pokrovskii, I. A. E., Sviatunova, K. I. - Impurity recombination radiation from indium-doped n-silicon. p. 1579.
- Sandulova, A. V., Mar'ianova, I. I., Zagonin, I. U. I. - The tensoeffect in whisker type single crystals of silicon grown from the gaseous phase. p. 1581.
- Kirgintsev, A. N., Avvakumov, E. G. - Determination of distribution coefficients from data of oriented crystallization. p. 1583.
- Zhdanova, V. V., Kontolova, T. A. -  $C_D$  -  $C_V$  for Ge with varying content of electrically active impurities. p. 1584.
- Chisler, E. V. - Study of phase transitions in sodium and potassium nitrates from Raman spectra. p. 1588.
- Kolomiets, B. T., Palasova, L., Shourach, L. - Heat conductivity of semiconducting chalcogenide glasses. p. 1588.
- Alley, S. A., Nashel'skii, I. A., Shalyt, S. S. - Heat conductivity and thermo-e.m.f. of n-In-doped phosphide at low temperatures. p. 1590.
- Fedorovich, N. A. - Silver and sodium diffusion in lead selenide. p. 1593.
- Fedorovich, N. A. - Chlorine diffusion in PbSe single crystals. p. 1594.
- Emel'yanenko, O. V., Klotyn'ah, E. E., Nasedov, D. N. - Effect of copper on the electric properties of gallium arsenide. p. 1595.
- \*GEOMAGNETIZM I AERONOMIA [GEOMAGNETISM AND AERONOMY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 3, May-June 1965.
- Table of contents translated:
- Doiman, L. I., Miroshnichenko, L. I. - Burst of cosmic rays from the sun on September 28, 1961. p. 377.
- Kuklin, G. V., Luzov, A. A. - Dynamical frequency spectra of short-period variations in cosmic ray intensity. p. 384.
- Luzov, A. A., Kuklin, G. V., Pezhemskii, A. I. - Use of selective frequency filters in studying periodic variations in cosmic ray intensity. p. 392.
- Goryshnik, L. L., Diukalov, A. N. - Particle distribution around a charged sphere in a weakly ionized rarefied plasma. p. 401.
- Khantadze, A. G. - Constructing a magnetohydrodynamic model of a cyclone. Part 2. p. 413.
- Khantadze, A. G. - Two-dimensional motion of a conducting medium in the presence of mass forces and a plane magnetic field. p. 417.
- Korobkov, I. U., Pisareva, V. V. - Use of signals from artificial satellites in studying inhomogeneities of ionospheric electron condensation in the Pacific area. p. 423.
- Kazantsev, A. N., Namazov, S. A. - Use of ground measuring data in determining the electron concentration profile above the maximum of the F-region. p. 429.
- Fatkullov, M. N. - Relation of ionospheric sporadic E at medium and low latitudes to the electrodynamic conditions in the ionosphere. p. 436.
- Dolgova, E. I. - Ionospheric magnetic disturbances in years of maximum solar activity. p. 442.
- Andrienko, D. A. - Results of determining the height of auroras from large-size photographs taken at Tikha Bay. p. 450.

- Bairachenko, I. V. - Measurements of the initial radii of ionized meteor trails from parallel radio-metric observations conducted at two wavelengths, p. 460.
- Bekasikov, V. I. - Calculating the effect of a closed air circulation on the equilibrium distribution of ozone in the terrestrial atmosphere, p. 465.
- Ivanov, K. G. - Interpretation of observations of the sudden onset of magnetic storms in outer space, p. 471.
- Feld'shtein, I. A. I., Zaitsev, A. N. - Perturbed solar diurnal variations at high latitudes during the IGY, p. 477.
- Baranov, O. M. - Geometry of short-period variations (pulsation) of the earth's electromagnetic field, p. 487.
- Zybin, K. I. U. - Properties and nature of geomagnetic micropulsations with periods from 10 seconds up to several minutes, p. 494.
- Laurent, G., and others. - Some characteristics of magnetic Pc 1 pulsations in magnetically coupled regions (Borok-Kerguelen station, February, 1964), p. 499.
- Kautzleben, H. - Statistical analysis of the main part of the earth's magnetic field, Part 1. General theory, p. 502.
- Kautzleben, H. - Statistical analysis of the main part of the earth's magnetic field, Part 2. Analysis of world magnetic charts for the epoch 1955, 0, p. 511.
- Bon'kova, N. P., Tsurmina, L. O., Adam, N. V. - Calculation of the geomagnetic field at high altitudes, p. 522.
- Ivanov, M. M. - Some results of comparing the magnetic observations conducted on the "Zarya" with the aeromagnetic survey according to the plan "Magnit," p. 520.
- Ivanov, M. M. - Tasks performed by the nonmagnetic ship "Zarya" in 1964, p. 534.
- Kruglikova, G. I. - Possibility for studying the tectonic structure of the lower horizons of the earth's crust by recalculating the  $\Delta T$  anomaly for various altitudes in the upper half-space, p. 538.
- Savenko, I. A., and others. - A complex proton spectrometer for investigations in outer space, p. 540.
- Savenko, I. A., Savun, O. I., Urovska, A. V. - Device for recording protons with  $E \approx 3 \div 14$  Mev. and  $\alpha$ -particles and nuclei with  $Z > 2$ , p. 550.
- Blagoveshchenskaya, E. E., Goltzman, F. M., Rotshtein, A. I. A. - Optimal method for measuring the frequency of free nuclear precession in the presence of noise, p. 554.
- Lazulin, L. I. - Cosmic rays from the sun recorded in the stratosphere in September 1963, p. 563.
- Dorman, L. I., and others. - The 27-day variation of the geomagnetic field disturbance on zero-days of cosmic-ray intensity, p. 568.
- Mar'in, N. P. - Trajectories of beams of electromagnetic waves in an ionized toroid and its effective reflecting surface, p. 569.
- Kuleshova, V. P. - Planetary characteristics of ionospheric disturbance, p. 573.
- Kazimirovskii, E. S. - Ionospheric drift and the general atmospheric circulation, p. 575.
- Pozigun, V. L. - Inhomogeneity of region E of the ionosphere, p. 576.
- Fatkulin, M. N. - Some remarks on the electric conductivity of the upper atmosphere, p. 579.
- Korobkov, I. U. S., Pisareva, V. V. - Observations of an ionospheric triplet at low latitudes, p. 580.
- Drobzhnev, V. I., Zelenkov, V. E., Zelenkova, I. A. - Study of the motion of an inhomogeneity in the ionosphere over Alma-Ata, p. 581.
- Zolotov, A. V. - Thermal ionization of the ionosphere by the shock wave from the Tunguska explosion in 1908, p. 584.
- Zaitseva, S. A. - Some characteristics of the relationship between auroras and magnetic disturbances, p. 585.
- Danilov, A. A., Chirikov, V. I. - Correction factor for the K-index of the Yakutsk magnetic observatory, p. 588.
- Orlov, V. P. - Length of T and I variation periods according to paleomagnetic studies, p. 590.
- Tarkhov, E. N., Ivanov, N. V. - Secular variation of the angle of inclination of the geomagnetic field on the territory of the Lithuanian S.S.R. according to paleomagnetic data, p. 591.
- Kapustin, I. N. - Method for determining the dead time of nuclear counters, p. 594.
- Mavyskii, I. I. A., Novykh, V. V., Finger, D. L. - Towed Z-magnetometer on gimbals, p. 595.
- Beliaev, S. T., Zefevinskii, V. G. - Energy spectrum of odd spherical nuclei, p. 13.
- Baryshevskii, V. G., Luboshits, V. L., Podgoretskii, M. I. - Resonance transitions of waves in the presence of splitting, p. 27.
- Lomonosov, V. V., Urin, M. G. - Interaction between beta and gamma bands in deformed nuclei, p. 32.
- Bunatian, G. G., Mikulinski, M. A. - Isotope shifts and quadrupole moments of near-spherical nuclei, p. 38.
- Danilov, G. V. - Effect of nonmonochromaticity in measuring the cross section of absorption of gamma quanta by light nuclei, p. 46.
- Golovina, V. I. A. - Elastic scattering of low-energy protons on isotopes of chromium, iron, nickel, and cobalt, p. 48.
- Brill, O. D. - Cross sections of reactions of  $He^3$  with light nuclei, p. 55.
- Karnukhov, V. A., Ter-Akop'ian, G. M. - Proton decay of nuclei  $C \rightarrow Z + p$ , p. 61.
- Lobanov, I. U. V., and others. - Spontaneously fissionable isomer with a half-life of  $0.9 \cdot 10^{-3}$  sec, p. 67.
- Azimov, S. A., Belor, E. V., Gulamov, U. G. - Upper bound of the cross section of coherent interactions between fast  $\gamma$ -mesons and heavy nuclei from emissions, p. 72.
- Afanaseva, R. V., and others. -  $Li^6$  production in the fission of  $C^{12}$  nuclei by high-energy protons, p. 76.
- Vavilov, I. U. N., Pugacheva, G. I., Fedorov, V. M. - Analysis of the absorption of  $\gamma$ -mesons in matter at great depths, p. 80.
- Bilon'kii, S. M., Rydin, R. M. - The  $\bar{p} + p \rightarrow \bar{1} + 1$  reaction with polarized particles, p. 84.
- Dolgov, A. D. - Differential cross sections of the processes  $e^+e^- \rightarrow \mu^+ \mu^- \gamma$  and  $e^+e^- \rightarrow \mu^+ \mu^- \gamma$ , p. 89.
- Baldin, A. M., and others. - Photoproduction of neutral pions near the threshold, p. 92.
- Kanavets, V. P., Lovinov, I. I., Morozov, B. V. - Polarization in elastic proton-proton scattering at high energies, p. 96.
- Blukhinskaia, T. D., and others. - Determining the contribution of the  $3/2, 3/2$  isobar to inelastic  $\gamma$ - $\gamma$ -interaction processes at the  $\gamma$ -meson kinetic energy of 344 Mev, p. 103.
- Gramenitskii, I. M., and others. - Quasi-elastic  $\gamma$ - $\gamma$ -interaction at an energy of 980 Mev, p. 113.
- Azhgirei, L. S., and others. - Parameters of triple proton scattering by carbon nuclei at 600 Mev. and a comparison of the results of an analysis of NN and pC-scattering, p. 122.
- Kanavets, V. P., and others. - Measurements of the energy dependence of the differential cross section of elastic pp-scattering at energies of  $3 \div 9.5$  Bev, p. 130.
- Panturo, V. S., Khachatryan, M. N., Chuvpilo, I. V. - Total cross sections of neutron-proton and neutron-neutron interactions in the energy range from 2.0 to 8.3 Bev, p. 134.
- Azimov, M. A., and others. - Cross section of pion charge exchange at 4 Bev/c, p. 145.
- Boos, E. G., Vinitskii, A. Kh., Tikhonov, Zh. S. - Dependence of the transverse momentum of  $\gamma$ -mesons on the angle of emission, p. 148.
- Gorelik, R. B., Klepikov, N. P., Ustin, V. A. - Unitary description of reactions with the formation of several nonrelativistic particles, p. 152.
- Kobzarev, I. I. U., Okun', L. B. - On the rule  $\Delta T = 1/2$  for adron decay, p. 160.
- Vinternits, P., Smorodinskii, I. A., Uglirzh, M. - Theory of four-dimensional angular momentum, p. 163.
- Zharkov, G. F. - Emission of  $\gamma$ -mesons and the beta decay of a proton moving in a magnetic field, p. 173.
- Nikitin, V. A., and others. - Measurement of the real part of the amplitude of elastic  $\gamma$ - $\gamma$ -scattering at an energy of 3.5 Bev, p. 183.
- Vol. 1, no. 3, Mar. 1965.
- Table of contents translated:
- Zaitseva, N. G., and others. - New neutron-deficient zirconium isotopes, p. 385.
- Gromov, K. I. A., and others. - Study of the decay chain  $Lu^{167} \rightarrow Yb^{167} \rightarrow Tm^{167}$ , p. 389.
- Sapershteyn, E. E., Troitskii, M. A. - Mass differences of near-to-magic nuclei, p. 400.
- Drozdo, S. I. - Excitation of the rotational levels of nuclei in nucleon scattering, p. 407.
- Semenko, S. F. - Effect of surface oscillations in strongly deformed nuclei on the character of their dipole excitation, p. 414.
- Griin, I. U. T., Strutinskii, V. M. - Density of levels and thermodynamic functions of an atomic nucleus allowing for the effects of pair correlation, p. 420.
- Dolinskii, E. I., Blukhinskaia, T. D., Mukhammedzhannov, A. M. - Use of the diagram summation method in making allowance for interaction in the initial and final states of direct nuclear reactions, p. 420.
- Lushtnikov, A. A., Urin, M. G. - Quadrupole giant resonances in heavy nuclei, p. 436.
- Bukarev, V. A., Popov, V. I. - Excitation of  $La^{139}$  and  $Pr^{141}$  levels in inelastic neutron scattering, p. 443.
- Tolchenkov, D. L., Okorokov, V. V. - Neutron spectra and angular distributions in (d, n) reactions involving nuclei of medium atomic weight, p. 448.
- Babenko, N. P., and others. - Neutron polarization in (d, n) type stripping reactions with  $p \leq 1$ , p. 452.
- Deison, I. - Multiple Coulomb excitation of nuclei, p. 456.
- Bochagov, B. A., and others. - Energy characteristics of fragments resulting in the fission of  $Th^{232}$  and  $U^{238}$  nuclei by charged particles, p. 461.
- Soldatov, A. S., and others. - Angular distribution of fragments in the photofission of  $U^{238}$  and  $Th^{232}$  by gamma rays from the reaction  $F^{19}(p, \alpha \gamma) O^{16}$ , p. 471.
- Petrov, G. A. - Energy dependence of the angular anisotropy of gamma radiation accompanying U fission, p. 476.
- Abov, I. U. G., Krupchitskii, P. A., Orlovskii, I. U. A. - Existence of an internuclear potential not maintaining spatial parity, p. 479.
- Luboshits, V. L., Okenov, E. O., Podgoretskii, M. I. - Galactic hypercharge field and the disintegration of long-lived neutral K-mesons into two  $\pi$ -mesons, p. 480.
- Luboshits, V. L., and others. - Disturbance of CP-invariance and interference phenomena in the disintegration of a neutral K-meson into two  $\pi$ -mesons, p. 497.
- Sokolov, A. A., Ivanov, I. U. P., Gal'tsov, D. V. - Influence of the spin effect on the annihilation and production of electron-positron pairs due to weak interaction, p. 507.
- Rekalo, M. P. - Electromagnetic adron production and unitary symmetry, p. 511.
- Vasev, V. G., Pivovarov, V. G. - The  $\phi$ -meson mass difference, p. 524.
- Datusov, I. U. A., and others. - Total cross sections of the  $\pi^+ + p \rightarrow \pi^+ + \pi^+ + n$  reaction near the threshold and the angular distributions of secondary particles, p. 526.
- Kirilova, L. F., and others. - Elastic pp and pi-scattering at small angles in the energy range  $2 - 10$  Bev, p. 533.
- Khrenov, B. A. - Spatial distribution of muon fluxes in extensive air showers, p. 540.
- Kuchin, I. A., Usik, P. A. - Hyperon production in  $\pi$ -N and NN-collisions, p. 547.
- Mandel'tseva, V. B., Menskii, M. B. - Unitary multiplet mixtures, p. 551.
- Vol. 1, no. 4, Apr. 1965.
- Table of contents translated:
- Baranov, S. A., and others. - Alpha spectrum of  $Pu^{241}$  and the levels of the  $U^{237}$  nucleus, p. 557.
- Gromov, K. I. A., and others. - Decay scheme of  $Th^{232}$ , p. 562.
- Gaponov, I. U. V., Krainov, V. P. - Separation of the corner variables in equations for the effective field in spherical nuclei, p. 573.
- Tapin, A. S. - Compressibility and polarizability of nuclear matter, p. 581.
- Strutinskii, V. M. - Simple description of the angular distribution of the decay products of a compound nucleus following a direct nuclear reaction, p. 588.
- Gol'danskii, V. I. - Effect of pairing on the penetration of two particles through a centrifugal barrier, p. 596.
- Zhivopistsev, F. A. - Method of quantum Green functions in nuclear reaction theory, p. 600.
- Denisov, F. P. - Energy distribution of recoil nuclei in evaporation, p. 607.
- Feinberg, E. L. - Ionization of atoms in beta decay, p. 612.
- Komissarova, V. A., Sorokin, A. A., Shipilov, V. S. - Angular distribution of the resonance scattering of 23.8 Kev. gamma quanta by  $Sn^{119}$  nuclei, p. 621.
- Zhdanov, A. P., Kuz'min, V. N., Iakovlev, R. M. - Knocking out alpha particles from Be nuclei by 600 Mev. protons, p. 625.
- Ariemov, K. P., and others. - Elastic scattering of  $He^3$  ions on  $Be^9$ ,  $N^{14}$ , and  $O^{16}$ , p. 629.
- Nemilov, I. U. A., and others. - Distribution of the masses and kinetic energies of fragments in the fission of  $Th^{232}$  by 12 Mev. deuterons, p. 633.
- Apalin, V., and others. - Neutron emission from  $U^{233}$ ,  $U^{235}$ , and  $Pu^{239}$  fission fragments, p. 639.
- Afanasev, B. P., Ostroumov, V. I. - The  $N^{14}(\gamma, 2p) 3\alpha$  reaction with 80 Mev.  $\gamma$ - $\gamma$ -mesons, p. 647.
- Vaisenberg, A. O., Kolganova, E. D., Rubin, N. V. - Disintegration of photoemulsion nuclei by slow  $\mu$ -mesons, p. 652.
- Llagin, I. V. - Spectra of  $K_{\alpha 2}$ -decay, p. 659.
- Dzhafarov, I. G. - Production of pseudoscalar mesons in colliding electron-positron beams, p. 665.
- Balashov, V. V., Korenman, G. I. A., Macharadze, T. S. - Partial transitions in the photoproduction of charged  $\pi$ -mesons on light nuclei, p. 668.
- Azimov, S. A., and others. - Inelastic pp-interactions with low transfer of momentum, p. 676.
- Vovenko, A. S., and others. - Elastic scattering of positive 3.2 Gev./sec.  $\pi$ -mesons by protons, p. 681.

ИЗДАНИЕ ФИЗИКА, JOURNAL OF NUCLEAR PHYSICS. Issued by Akademiia nauk SSSR and Gosudarstvennyi komitet po ispol'zovaniu atomnoi energii SSSR [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the U.S.S.R.], Moscow, Vol. 1, no. 1, Jan. 1965.

Table of contents translated:  
Beliaev, S. T. - Nucleon-phonon Hamiltonian for spherical nuclei, p. 3.

Batusov, I. U. A., and others - The  $\pi^+p \rightarrow \pi^+\pi^+n$  reaction near the threshold, and  $\pi^+\pi^+$ -interaction p. 687

Komai, A. A., Man'ko, V. I. - Some aspects of the physical applications of unitary groups. p. 693.

Sturinskii, B. V. - A model of the symmetry of strong interactions based on the  $Sp_6$  group p. 701.

Strokov, I. U. F. - Proton-antiproton interaction at nonrelativistic energies with allowance made for Coulomb forces and the neutron-proton mass difference p. 710.

Valuev, B. N. - Reduction formulae and representations for amplitudes of n-angular diagrams. p. 715

Slavov, A. A., Shabad, A. E. - Elimination of non-physical characteristics in the Feinberg - Pais field theory of weak interactions. p. 721

Chikhizade, V. L. - The new isomers  $Ru^{95}$  and  $Ru^{101}$ , p. 720

Dolgov, A. D., and others - Electromagnetic differences of baryon masses, and the  $SU_6$ -symmetry p. 730.

**LATVIJAS PADO MJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIA, Vostis Fizikas un tehnisku zinatnu serija. Izvestija Akademii nauk Latvijas SSR. Serija fizicheskih i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE LATVIAN S. S. R. Bulletin. Series in the Physical and Technical Sciences]. Riga, no. 3, 1965.**

**MAGNITNALA GIDRODINAMIKA [MAGNETOHYDRODYNAMICS].** Issued by Akademiia nauk Latvijas SSR [Academy of Sciences of the Latvian S. S. R.], Riga, no. 1, 1965.

Table of contents translated

Regiere, S. A. - Laminar flows of a conducting fluid in pipes and channels in the presence of a magnetic field p. 5.

Kahis, Kh. E., and others - Flow of a conducting fluid past a circular cylinder in a transverse magnetic field p. 19

Dukurs, R. A. - Effect of relative roughness on the flow of a conducting fluid in the presence of a magnetic field p. 29

Branover, G. G., Shusarcev, N. M., Sheherbabin, E. V. - Some results of measuring pulsations in the rate of a turbulent mercury flow in the presence of a transverse magnetic flow p. 33

Kilandin, E. L. - Three-dimensional boundary layer of a conducting fluid near the line of intersection of two surfaces in an electromagnetic field. p. 37

Kukin, I. K., Smolin, G. G. - Some problems involving the two-dimensional flow of an incompressible fluid in a channel in the presence of electric and magnetic fields p. 43

Fillipov, S. S. - Steady axisymmetric motion of a conducting gas in external electric and magnetic fields in quasi-one-dimensional approximation p. 55

Iantovskii, E. I. - Longitudinal electromotive forces and the Hall effect in the flow of an ionized gas in a channel p. 61

Zelichenko, E. N., Millerian, T. E., Pol'skii, N. I. - Optimum conditions for magneto-gas dynamic flows in channels allowing for the Hall effect p. 67

Kolesnikov, P. M. - Acceleration of a pulsating plasma clot. p. 73

Malinovskii, V. K., Nesterikhin, I. U. E., Kuglakov, E. P. - Parameters of plasma clots in a coaxial injector. p. 80

Veske, T. A. - Solution of an equation describing the electromagnetic field of a plane linear induction pump allowing for secondary transverse and thickness boundary effects. p. 87

Okhremenko, N. M. - Study of the spatial distribution of magnetic fields and the electromagnetic effects in induction pumps. p. 97

Avilova, E. M., and others. - Design and operation of helical induction pumps p. 110

Branover, G. G., and others. - Experiments with an unconfined trough for liquid iron p. 115

Bondarev, B. I. - Casting ingots of light alloys with electromagnetic stirring of the melt in a crystallizer p. 123.

Klavins, I. A. I. A., Abritska, M. I. U. - Choosing the best method for cooling an electromagnetic induction pump. p. 129

Zheigur, B. D., Sernovs, G. I. A. - Pulse technique for measuring the rate of flow of a conducting fluid p. 141.

Turchin, N. M. - Magnetic flowmeters. p. 147.

Filopov, M. V. - Fourth Conference on Magnetohydrodynamics held at Riga. p. 154

**\*METEOROLOGIA I GIDROLOGIA [METEOROLOGY AND HYDROLOGY].** Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U. S. S. R.], Moscow, no. 6, June 1965.

Table of contents translated;

Decisions of the March Plenum of the Central Committee of the CPSU and the hydrometeorological service in agriculture. p. 3.

Karpesov, G. A. - Possibilities of improving the evaluations of climatic norms p. 7.

Kuchment, L. S., Nechaeva, N. S. - Joint use of electronic digital and analog computers in hydrologic forecasts p. 14

Romov, A. I. - Mesostructure of frontal precipitation p. 19

Beizhin, V. M., Stafin, I. U. A. - Some results of numerical analysis of the vertical distribution of ozone p. 23.

Lilvintenko, L. I. - Air exchange between the northern and southern hemispheres. p. 29.

Poloker, A. B. - Calculation of the amount of rainfall for the postharvest and stubble corn crops in the southern Ukraine. p. 31

Fedorov, I. U. K. - Rise in temperature in the stratosphere over Antarctica during the winter of 1964, according to observations at Mirnyy p. 34

Podrezov, O. A. - The Santash wind of the Issyk-Kul' Depression p. 35

Lut, L. I. - Squall on Lake Baikal p. 38.

Filipov, B. A., Zykov, I. D., Davidan, I. N. - The first oceanographic expedition of the Hydrometeorological Service of the U. S. S. R. to the North Atlantic p. 40.

Suvorov, N. P., Khromov, S. P. - A. F. Vangengeim, organizer of the Hydrometeorological Service of the U. S. S. R. p. 44.

Volkovitskii, O. A. - A complex of experimental devices for geophysical studies p. 48

Khandozhko, L. A., Feidzon, A. I. - "Synoptic meteorology" by A. V. Kunits and M. V. Matveev p. 49.

Khrigian, A. Kh. - "Academician M. A. Rykachev" by I. A. Potapov. p. 50.

Kol'man, O. V. - "Physical climatology of the Antarctic plateau" by P. C. Dairymple p. 51.

Literature on meteorology and hydrology in 1964 p. 52.

Oleg Konstantinovich Il'inski, 1914-1965; an obituary p. 56.

Borisova, E. I., Shabova, A. I. - Weather forecast for the U. S. S. R. in June 1965.

**\*MOSCOW UNIVERSITY. Vestnik. Seriya 3: Fizika, astronomia [UNIVERSITY. Review. Series 3: Physics, Astronomy] Vol. 20, no. 2, Mar.-Apr. 1965**

Table of contents translated:

Fan Van Thukh - Concentration of Ne atoms on 2p levels in the presence of He p. 3

Bazarov, I. P. - Use of the kinetic equation method in determining collective oscillations in a crystal. p. 7

Shechepaniak, K., Rezaev, N. I. - Studying molecular interaction in solutions from Raman scattering line contours. p. 13.

Korabiev, I. B. - Noises in diodes with nonlinear capacitance. p. 20

Iudin, N. P., Zhirovskiy, F. A. - Ground state correlation effects in nuclear reactions. p. 30.

Korolev, F. A., Mamedzade, S. M. - Emission spectrum of a ruby laser and its dependence on the properties of the resonator. p. 35.

Savenko, I. A., and others - Monitoring the cosmic radiation level during the flight of the space ships "Vostok-3", "Vostok-5", and "Vostok-6." p. 40.

Stratonovich, R. L., Zhil'kov, E. A. - Some relations between thermodynamic functions and its theoretical-informational interpretation. p. 44.

Pylov, I. U. P. - Classical scalar meson fields. p. 53.

Zakharov, V. D. - Some types of gravitational fields with gravitational waves. p. 59.

Braginskii, V. B. - Detection of weak effects on high-Q oscillatory systems. p. 65.

Vodinskii, R. V., Kolesnikov, N. N. - Splitting of hypernuclei in a Coulomb field. p. 71.

Savich, A. V. - Hamiltonian type difference equations in dynamics. p. 81.

Belov, K. P., Kadomtseva, A. M., Ovchinnikova, T. L. - Electric properties of certain orthoferrites of rare earth elements. p. 92.

**\*OPTIKA I SPEKTROSKOPIIA [OPTICS AND SPECTROSCOPY].** Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.], Moscow, vol. 18, no. 3, Mar. 1965.

Table of contents translated.

Odintsov, V. I. - Isotope shift in the spectrum of neon. p. 357.

Sedrakian, D. M. - Diffraction of Vavilov-Cherenkov radiation. p. 360.

Shaltup, G. B. - Some problems associated with the elimination of dependent coordinates. p. 364.

Platonenko, V. T., Khokhlov, R. V. - Induced Raman scattering in media consisting of anisotropic molecules. p. 368

Popov, E. M., Kogan, G. A. - Electro-optical parameters and intensities of the infrared absorption bands of 1,3-butadiene. p. 377.

Sidorov, T. A. - Comparative study of the nuclear magnetic resonance and infrared spectra of sodium borate glasses. p. 384.

Tolkachev, V. A., Borisevich, N. A. - Effective excitation energy of molecules of a diffused vapor in various electron absorption bands. p. 388.

Prilhot'ko, A., Skorobogat'ko, A. - Spectral studies of azulene. Part 1. p. 396.

Nagornaja, L. L., and others. - Photoluminescence and scintillation properties of certain 1,3,4-oxadiazole derivatives. p. 403.

Baranova, E. G. - Concentration quenching of the luminescence of rhodamine 6G solutions. p. 407.

Vasil'ev, R. F. - Chemiluminescence in solutions. Part 2. p. 415.

Ryskin, A. I., Tkachuk, A. M., Tolstol, N. A. - Properties of ethanalamine compounds of divalent platinum. p. 422.

Milloy-Buschbaum, H., Witzmann, H. - Fluorescence of rare earths. Part 1. p. 432.

Kariss, I. A. E., Tolstol, M. N., Tefillov, P. P. - Luminescence and absorption of trivalent neodymium in fluoite type crystals. p. 440.

Vilutis, E. S., Penzina, E. E. - Excitation and emission spectra of Yakut diamonds. p. 446.

Gradskala, L. E., and others. - Determining the possibility of discriminating particles of different ionization density by the pulse shape in LiF(Tl), LiF(Eu), and CaF(In) crystals. p. 450.

Il'mas, E. R., Liddin, G. G., Lushchik, Ch. B. - Photon multiplication in crystals. Part 1. p. 453.

Vlasenko, N. A. - Simultaneous effect of an electric field and ultraviolet radiation on the luminescence of ZnS-Mn phosphor sublimate. p. 461.

Vlasenko, N. A., Iarenko, A. M. - Mechanism underlying the excitation of electroluminescence in ZnS-Mn films. p. 467.

Oranovskii, V. E., Samotelnik, V. V. - Electroluminescence of zinc sulfide single crystals. p. 474.

Bundel', A. A., Zhukov, G. V. - Effect of the conditions of preparation on the formation of electron traps in self-activated zinc sulfide. p. 179.

Rvachev, V. P., Sakhmovskii, M. I. U. - Theory and application of an integral photometer for studying objects with arbitrary scattering curves. p. 480.

Akopovskanov, R. G., Vainshtein, E. L. - Method of correction of X-ray spectra for nondispersion instrumental distortion. p. 495.

Vlasov, A. G., Krupp, D. M. - Recurrence form of Seidel sums expressing the dependence of aberrations on the position of the pupil of an aspherical objective. p. 501.

Dembovskii, S. A., Zorina, E. L. - Infrared absorption of arsenic monoselenide. p. 505.

Makladov, L. I., Nikitin, V. N. - Structure of the OH band in crystalline formic acid. p. 509.

Sosinski, M. L., Morozov, L. N. - Occurrence of negative absorption in a portion of a Doppler-broadened line. p. 510.

Popov, O. L., Fedorova, E. O. - Measurement of the radiation spectra of the atmosphere and the terrestrial surface in the 2 - 6  $\mu$  region from altitudes up to 4 km. p. 512.

Gavrilov, M. Z., Ermolenko, I. N., Elina, G. L. - Ultraviolet absorption spectra of acetyl cellulose. p. 515.

Vishnevskii, V. N., Pld'yiallo, N. S., Solov'eva, I. U. N. - Temperature dependence of the absorption capacity of synthetic ruby in the region of a resonance doublet. p. 517.

Kutsyna, L. M., Voevodin, L. V., Kornikovskaya, L. D. - Dipole moment of 1,3,5-triphenylpyrazolium- $\Delta^4$  in the first electronic excited state. p. 520.

Anisimov, S. I. - Solution of integral equations of open resonators. p. 522.

Khomskii, D. I. - Ionization of doubly excited atoms in an electric field. p. 524.

Bazulin, P. A., and others. - Stimulated radiation in solutions of rare-earth chelates. p. 526.

Bopp, G. A. - Estimation of the temperature in the channel of a pulse discharge in liquids. p. 529.

Chausala, F. A., Iakob, Z. G. - Wavelength dependence of the time variation of the spectral density of radiation from a high-pressure pulse discharge. p. 530.

Amil'dinov, Kh. A., Lebedev, O. L., Michurina, A. V. - Luminescence of certain fluorinated emulsion diketones in polymeric acrylates. p. 532.

Pelsakhson, I. V., Pait'skaya, G. G. - Characteristic function for a spherical reflecting diffraction grating. p. 534.

Zakharchenko, B. P., Kuskaya, L. M., Rusanov, I. B. - Optical detection of spin relaxation in crystals containing paramagnetic ions. p. 535.

Zelkina, G. I. A., Somenov, R. I. - Determination of g-factors of the second excited p-levels in alkaline metals. p. 539.

**\*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.], Moscow, nos. 5-6, May-June 1965.

SREDNEAZIATSKII NAUCHNO-ISSEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT, Trudy [CENTRAL ASIA HYDROMETEOROLOGICAL RESEARCH INSTITUTE, Transactions] Leningrad, no. 22(37), 1965 Problems of biometeorology and altimetry

- Table of contents translated  
 Aizenshtat, B.A. - Methods of calculating and results of determining some bioclimatic characteristics. p.3  
 Aizenshtat, B.A. - Incidence of streams of diffuse radiation on vertical and horizontal surfaces under conditions of city building p.42  
 Sitnikova, M.V. - Atmospheric turbidity in Central Asia. p.51.

TASHKENT, UNIVERSITET, Nauchnye trudy [UNIVERSITY, Studies], No.262, 1964, Fizicheskoe nauki [Physical Sciences], no.22.

- Table of contents translated  
 Smirnov, B.G. - The Physics faculty of the V I Lenin Tashkent State University. p.3  
 Smirnov, B.G. - The SI system of units of physical quantities p.13  
 Alavazov, A.A., Nosenko, B.M. - Use of the relaxation theory of the contour of anisotropic scattering in studying the structure of liquids. p.59.  
 Nosenko, B.M., Revzin, L.S., Iaskolko, V.I.A. - Structure of phosphors on the basis of  $\text{CaSO}_4$ . p.71  
 Spitsyn, E.N., Iaskolko, V.I.A. - Electron paramagnetic resonance of  $\text{Mn}^{2+}$  in crystal phosphors on the basis of  $\text{CaSO}_4$ . p.76  
 Lozovik, I.U.E. - Theory of the effect of light on thermo-e.m.f. p.81  
 Gumanski, G.A., Abidov, M.A., Seicbio, I.U.D. - Pulse accelerating tube p.87.  
 Suvorov, E.V. - Automatic diffractometers for studying single crystals (Review). p.92

TIFLIS, ZAKAVKAZSKII NAUCHNO-ISSEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT, Trudy [TRANSCAUCASIAN SCIENTIFIC RESEARCH HYDROMETEOROLOGICAL INSTITUTE, Transactions], Leningrad, no.12, 1963.

- Table of contents translated:  
 Giginishvili, V.M., Alavazov, V.E. - Aerosynoptic conditions of the origin of hail phenomena in Armenia p.3.  
 Kvaratskhelia, I.F. - Characteristics of the upper air climate over the Armenian S.S.R. p.21  
 Sukhishvili, E.V. - Determination of calculated wind speeds in Transcaucasia p.43.  
 Tsutsiskiridze, I.A. - Inventory of the solar resources of Georgia p.54.  
 Tsertevadze, Sh.I., Kandetaki, O.M., Nisankan, G.B. - Agroclimatic conditions of mountain fruit growing in the Armenian S.S.R. p.84.  
 Turmanidze, T.I. - Role of climatic conditions in the periodicity of the manifestation of chlorosis in the grapevine. p.102.  
 Chikvalidze, G.D. - Conditions of moisture provision for farm crops in Shiraki and Samgori. p.108.  
 Chikvalidze, G.D. - Determination of average monthly discharges and evaluation of the irrigation capacity of unstudied rivers of the upper reaches of the Kuban. p.116

\*TSENTRAL'NAIA AEROLOGICHESKAYA OBSERVATORIA, Trudy [CENTRAL AEROLOGICAL OBSERVATORY, Transactions], Leningrad, no.60, 1964. Methods and results of aerological observations and studies.

- Table of contents translated:  
 Britaev, A.S. - Modern methods of ozonometry. p.4.  
 Zaichikov, P.F. - Basis of the necessity of additional protection of the thermal transducers of the A-2-III and RKZ-1 radiosondes from radiation effect. p.26.  
 Marfenko, O.V. - Reliability of high ascents of A-22-III (IV) radiosondes. p.34.  
 Zaichikov, P.F. - Some supplements to the method of "triple control." Accuracy of independent methods of determining the height of a raised system. p.43.  
 Kostlanol, G.N. - Methodology of calculating inertia errors in aerological studies. p.54.  
 Belova, Z.F. - Vertical velocities of pilot balloons loaded with a rotating flashlight. p.66.  
 Glagolev, I.U.A. - Preliminary experimental data on the thermal errors of nonrotating wire resistance thermometers in the free atmosphere. p.76.  
 Deviatova, V.A., Egorova, I.R. - Experience in helicopter sounding of the lower atmospheric layer. p.80.  
 Marfenko, O.V. - Basis of the methodology of processing wind observations made by means of the "Malakhit" radio theodolite with a range adaptor. p.92.

Deviatova, V.A. - The airplane electrical hygrometer A-55 and the results of its field tests. p.100.  
 Shchekin, A.E. - The graphoanalytic method of processing radiopilot observations. p.106.

UKRAINS'KYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL] Issued by Viddil fizyko-matematychnykh nauk Akademii nauk URSR [Department of Physical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol.10, no.4, Apr. 1965

- Table of contents translated:  
 Rekalio, M.P. - Annihilation of a baryon-antibaryon pair producing a meson and a virtual gamma quantum ( $N + \bar{N} \rightarrow \gamma^* + e^-$ ,  $\bar{\gamma} + N \rightarrow K^- + e^-$ ) at high energies. p.357.  
 Zinichenko, I.E.V., Popov, V.O. - Energy spectra and resonance frequencies of biaxial antiferromagnets. p.368.  
 Prymachenko, V.I.E., Snitko, O.V., Milenin, V.V. - Nonequilibrium effect of the depletion of silicon of its majority current carriers. p.382.  
 Prymachenko, V.I.E., Snitko, O.V., Milenin, V.V. - Mechanism underlying the nonequilibrium effect of the depletion of silicon of its majority current carriers. p.389.  
 Burlakova, N.I., Mashevych, V.S. - Dynamics of laser emission with variable losses. Part 2. p.390.  
 Biodyn, M.S., Stashnykova, M.I. - Characteristics of the reflection spectrum of the CdS crystal in the region of exciton bands. p.410.  
 Nefedov, O.V., Fialkova, O.V. - Vibration spectrum of pyrene and its interpretation. p.410.  
 Bilyl, M.U., Krybenko, P.I. - Effect of the temperature on the luminescence and absorption spectra of solutions of heavy metal salts. Part 7: Solutions of copper salts. p.420.  
 Brylinsk'yi, M.I., and others. - Absorption capacity of synthetic rubbers in the region of a resonance doublet. p.427.  
 Kutylykh, A.A., Kovtun, H.P., Pavlov, V.S. - Pressure of saturated vapors of erbium, samarium, and ytterbium. p.432.  
 Mykhailchenko, V.P. - Estimation of the anharmonic coefficients of the third and fourth order from experimental data on the temperature dependence of the intensity of X-ray interferences. p.436.  
 Holik, O.Z., Adamenko, I.I. - Compressibility and molecular structure of liquids. Part I: Compressibility of n-paraffins and their mutual solutions. p.443.  
 Hryhorovych, H.M. - Surface treatment and detection of dislocations in samples of the system  $\text{HgTe} - \text{CdTe}$ . p.450.  
 Mal'ko, O.I., Pasichnyk, M.V., Salytyov, L.S. - Asymmetry of the angular distribution of the products of the reaction  $\text{Si}^{28}(d, d) \text{Si}^{28}$  with polarized deuterons. p.452.  
 Samikov, S.S. - Matrix elements of infinite-dimensional representations of a rotation group. p.453.  
 Bathorodin, I.U.V., and others. - Operation of a ruby laser with modulated Q-factor. p.458.  
 Kondatenko, A.M. - Kinetic theory of electromagnetic waves in a confined plasma. p.457.  
 Malilutenko, V.K., Romanov, V.O. - Some characteristics of the photoconductivity of inhomogeneous semiconductors. p.459.  
 Dudziak, I.A.S., Nemish, I.U. - Electric and thermoelectric properties of heavily doped  $\text{PbSe}$ . p.461.

Vol.10, no.5, May 1965.

- Table of contents translated:  
 Sytenko, O.H., Kharchenko, V.F. - Problem of the motion of three nucleons taking tensor forces into account. p.460.  
 Marynlu, V.H. - Resonance motion of electrons in a magnetic field with helical symmetry. p.481.  
 Ovcarenko, V.I. - Collective oscillations in nearly spherical nuclei p.486.  
 Korkina, M.P. - Interaction of elementary particles with a gravitational field in the general theory of relativity and in the generalized linear theory of gravitation. p.497.  
 Akopian, A.A. - Number of diagrams for Green's two-particle function of interacting fermions. p.508.  
 Pliskoviy, V.M., Tsekava, B.II. - Construction of a nonlinear polarization operator (case of a longitudinal field). p.512.  
 Lashkar'ov, H.V., and others. - Electric properties of  $\text{SmS}_2$  p.520.  
 Zviagin, A.I., Iremenko, V.V. - Infrared absorption spectra of crystals of antiferromagnetic cobalt compounds. Part 1 Absorption due to Stark splitting of the main term. p.525  
 Vysheva, N.N., Pldzyralto, M.S. - Photoluminescence excitation spectra of NaI-Tl single crystals at the temperature of liquid nitrogen. p.531.

Vysheva, N.N., Pldzyralto, M.S. - Photoluminescence excitation spectra of NaCl and KCl single crystals activated with oxygen-containing impurities. p.538.

- Ivanov, V.I.E., Voroblov, V.V., Balenko, E.P. - Yttrium refinement in a vacuum p.543  
 Solonko, V.P., and others. - Study of the mechanical properties of filled polymers. Part 2 Effect of the rate of deformation on the mechanical properties of polystyrene, polymethylmethacrylate, and polyethylene filled with vitreous fibre. p.549.  
 Holik, O.Z., Adamenko, I.I. - Compressibility and molecular structure of liquids. Part 2. N-alcohols and their solutions. p.556  
 Podziarel, I.U.A., Slavinski, H.L. - Sturkelberg's formalism of a field of spin 2 p.563  
 Ol'khovsk'yi, V.S. - Inelastic scattering of fast neutrons by nuclei with spectra of the collective type p.565  
 Paderno, I.U.B., Lashkar'ov, H.V. - Electric properties of  $\text{Pr}_2\text{Se}_3$  and  $\text{Nd}_2\text{Se}_3$ . p.566  
 Shneider, A.D., Makarenko, V.V. - Some photoelectric properties of ZnTe. p.568  
 Baturileva, Z.B., Hurevich, N.I., Tsylin, I.U.A. - Effect of ionic processes on the thermal breakdown of trapping centers in NaI(Tl) p.570  
 Alavazov, V.I.A., Holynala, R.I., Sheinkman, M.K. - Effect of alloying the surface of CdS single crystals with impurities of groups III and VIII of the spectral characteristics of photoconductivity p.572  
 Polishchuk, D.I. - Fourth Scientific Conference on the Evaporation, Combustion, and Gas Dynamics of Disperse Systems p.574.  
 Veniamin Leonitovich Heiman, obituary p.577.

\*USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES], Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.85, no.4, Apr. 1965.

- Table of contents translated  
 Basov, N.G. - Semiconductor lasers. p.585  
 Pionkhorov, A.M. - Quantum electronics p.599.  
 Skuridin, G.A., Plotnev, V.D. - Fundamental hypotheses about the origin of the earth's radiation belts p.605.  
 Dzhelelov, V.P., and others. - High-power accelerators of high-energy particles, so-called "meson factories" p.651  
 Nikolaev, V.S. - Capture and loss of electrons by fast ions in collisions with atoms p.679.  
 Zababakhin, E.I. - Energy cumulation and its limits. p.721.  
 Blokhintsov, D. - Conference on the Theoretical Aspects of the Physics of Elementary Particles. p.737.  
 Vreden-Kobetskaia, T.O. - New books on physics. p.765

Vol.86, no.1, May 1965.

- Table of contents translated:  
 Ovander, L.N. - Nonlinear optical effects in crystals p.3.  
 Levin, B.II. - The origin of meteorites. p.41.  
 Grishin, V.G. - Resonance interactions of elementary particles. p.71.  
 Iogansen, L.V. - Thin-film electronic interferometers. p.176  
 Il'ina, A.A. - Spectral properties of individual cells of the human retina. p.179.

\*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS], Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.48, no.4, Apr. 1965.

- Table of contents translated:  
 Poshkov, V.P., and others. - Experiments to detect the entry of  $\text{He}^3$  into the superfluid phase. p.987.  
 Berlovich, E.E., Kulsenov, L.M., Fleisher, V.G. - Study of the "shaking" of electron shells of oriented molecules containing  $\text{p}^{32}$ . p.1013  
 Plovov, L.I., Tubaev, V.M., Novikov, M.T. - Distribution of charges in ion beams that have passed through gaseous targets. p.1022.  
 Kormer, S.B., and others. - Experimental determination of the temperatures of shock-compressed NaCl and KCl and their melting curves at pressures up to 700 Kbars. p.1033.  
 Livshits, L.D., Gonshtat, I.U.S. - Shifting of the Curie point of gadolinium under hydrostatic pressure of up to 35 Kbars. p.1050.  
 Shepelev, A.G., Filimonov, G.D. - Anisotropy of the energy gap in superconducting tin. p.1054.  
 Ergin, I.U.V. - Anomalous temperature dependence of the coefficient of thermal expansion of the gadolinium single crystal. p.1082.  
 Lazarev, B.G., and others. - Effect of impurities on the temperature dependence of a superconducting thallium junction on pressure. Part 1. p.1066.  
 Ososels, S.M., Sinitayn, V.I. - Dynamic stabilization of a plasma column. p.1071.



- Gantmakher, V. F., Sharvin, I. U. V. - Temperature dependence of the free path length of electrons in tin at low temperatures. p. 1077.
- Al'shin, B. I., Astrov, D. N. - Existence of a linear relation between  $\epsilon T$  and  $\chi H/\theta$  in antiferromagnetics. p. 1081.
- Bunkin, F. V., Prokhorov, A. M. - Role of multiphoton processes in establishing the maximum power of lasers. p. 1084.
- Ostrovskii, L. A. - Interaction of oscillatory modes in a laser. p. 1087.
- Pokrovskii, V. L., Surdulovich, G. I. - Scattering of slow neutrons in He near the  $\lambda$ -curve. p. 1097.
- Synakh, V. S. - Double bremsstrahlung in experiments with opposing beams. p. 1111.
- Kovrizhnykh, L. M. - Theory of plasma turbulence. p. 1114.
- Gudzenko, L. I., Guro, G. M. - Coherent division of quanta. p. 1132.
- Chel'tsov, V. F. - Oscillations in a system of two-level molecules and a radiation field. p. 1139.
- Baryshevskii, V. G., Liuboshits, V. L., Podgoretskii, M. I. - Effect of the interaction between neutrons and nuclei on the paramagnetic resonance width in neutron beams. p. 1146.
- Oravskii, A. N. - Population inversion brought about by thermal dissociation of molecules in a shock wave. p. 1150.
- Ivanova, A. V., Prokop'ev, E. P. - Annihilation of slow positrons in alkali metal hydrides. Part 2. p. 1155.
- Akhlezer, I. A. - Scattering and transformation of electromagnetic waves in a turbulent plasma. p. 1159.
- Bychkov, I. U. A., Dykhne, A. M. - Electroconductivity of semiconductors with a narrow energy band in a strong electric field. p. 1168.
- Bychkov, I. U. A., Dykhne, A. M. - Quantum levels of electrons in semiconductors in the presence of a strong electric field. p. 1174.
- Firsov, V. G. - Chemical reactions involving muonium. Identification of the products of interaction with matter. p. 1179.
- Kozlov, A. N., Maksimov, L. A. - Metal-dielectric phase transitions. Divalent crystals. p. 1184.
- Gellikman, B. T. - One mechanism underlying superconductivity in alloys. p. 1194.
- Bobrov, V. D., and others. - Capture of negative muons by chemically bound atoms. p. 1197.
- Sedov, V. L. - Annihilation of polarized positrons in nickel. p. 1200.
- Akhmanov, S. A., and others. - Threshold and line intensity of induced Raman scattering in fluids. p. 1202.
- Matinian, S. G. -  $S$ -amplitudes of adronic decay of baryons and  $SU(6)$ -symmetry. p. 1204.
- Arbel', M. I., Brandt, M. B. - Transformation of a metal into a dielectric, and the electronic characteristics of metals in high magnetic fields. p. 1208.
- Kostina, T. I., Alekseevskii, N. E. - Galvanomagnetic properties of bismuth. p. 1209.
- Shalyt, S. S., Parfen'ev, R. V., Bresler, M. S. - Quantum oscillation of the thermo-e.m.f. in  $n$ -InSb. p. 1212.
- Slishev, S. M., Tikhomirova, N. A. - Maximum on the melting curve for antimony. p. 1215.
- Lugovoi, V. N. - Stimulated Raman scattering in the anti-Stokes region. p. 1216.

## 14. MEDICINE

### a. GENERAL

no. 1, Jan. 1968.

- Table of contents translated:  
Health of the people is in the center of attention. p. 3.
- Makhmudbekova, M. K. - Diabetes and pregnancy. p. 15.
- Sultanov, M. N. - Results of immunological prevention of experimental atherosclerosis and problems of the mechanism of the inhibiting effect of  $\beta$ -lipoprotein antigens in this process. p. 22.
- Alekperov, M. A. - Daily fluctuations of the functional state of the adrenal cortex in hypertension. p. 27.
- Kanbal, G. G. - Pathology of irradiation cataracts. p. 33.
- Islamova, N. A. - Pharmacognostic study of some species of woodruff and bedstraw of the Azerbaijan flora. p. 38.
- Nasudari, A. A. - Characteristics of the chemical composition of medicinal forms and galenic-pharmaceutical preparations from various parts of some species of willows growing in Azerbaijan. p. 43.
- Abdulaeva, L. D. - Dynamics of coagulating and anti-coagulating systems of the blood in rheumatic carditis and rheumatic heart defects depending on various methods of the treatment. p. 48.

- Akhmedov, A. A., Mamedov, A. M. - Use of the statistical method in clinical experimental studies. p. 54.
- Khalfen, E. Sh., Iatsenko, K. S., Khamplev, A. Kh. - Significance of age and sex in evaluating the prognosis in myocardial infarction. p. 60.
- Elubov, M. A. - Use of pneumoperitoneum in the postoperative period of inferior lobectomy. p. 64.
- Gorodetskii, B. M. - Results of pulmonary resections in tuberculosis. p. 69.
- Entin, I. A. S. - Problem of eliminating malaria in organized collectives in the frontier districts of Azerbaijan. p. 72.
- Abbasov, Z. K., Sultanov, D. D. - Epidemiological and immunological effectiveness of scarification vaccinations with STI vaccine in enterprises processing raw material of animal origin. p. 77.
- Alferova, M. P. - Clinical characteristics of paratuberculosis in children. p. 81.
- Gurbanaliev, I. G., Zakirdzhaev, D. D. - Golter of the posterior mediastinum. p. 87.
- Isamailov, A. A., Ataev, B. A. - Case of spontaneous exit of a foreign body through the bronchus. p. 89.

\*BILLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY [BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE]. Issued by Akademiia meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.], vol. 59, no. 4, Apr. 1968.

- Table of contents translated:  
Urmancheeva, T. G., Cherkovich, G. M. - Potentials and desynchronization reaction received in response to light stimuli in the ontogeny process in lower monkeys. p. 3.
- Sudakov, K. V., Mnasin, L. S. - Characteristics of the mechanism of ascending activation of the cerebral cortex in mechanical stimulation of the stomach. p. 8.
- Bokhov, B. B., Shipov, A. A. - Properties of some quantitative characteristics of the vestibular analyzer in rabbits. p. 12.
- Volynkina, G. I. U., Zamakhov, Sh. M. - Changes in the galvanic skin response under the effect of insulin. p. 14.
- Semenov, N. V. - Elimination of the state of hypothermia in dogs by means of high frequency currents. p. 17.
- Fal'kovskii, G. E. - Changes in hemodynamics following the exclusion of various quantities of pulmonary tissue. p. 19.
- Teregulov, R. G. - Analysis of changes in the tonus of the vagus innervation center of the heart in hypoxic and anemic hypoxia in adult dogs. p. 22.
- Glebovskii, V. D., Reikh, L. I. A. - Sequelae of bilateral paralysis of the diaphragm in kittens. p. 26.
- Polushkina, A. F. - Study on the heat exchange level in rabbits vaccinated against tuberculosis; based on data of direct and indirect calorimetry. p. 30.
- Goglozha, R. L., Seleznev, S. A. - Comparison of changes in carbohydrate metabolism and oxygen regimen of the liver in traumatic shock and stable hypotension. p. 33.
- Alilk, T. A. - Increase of adenosine triphosphate in the working skeletal muscle. p. 39.
- Gulidova, G. P. - Effect of sodium deoxycholate and trypsin on the mitochondria of the gray and white substances of the brain in rabbits. p. 42.
- Moreva, E. V. - Participation of the hexokinase reaction in the effect of glucocorticoid hormones on the rate of rigor mortis in the skeletal muscles. p. 46.
- Prezman, A. S., Rapoport, S. M. - Effect of micro-waves on the excitable system in Paramecia. p. 48.
- Grantyn', A. A. - Effect of morphine on the electric activity of individual bulbar respiratory neurons. p. 53.
- Komissarov, I. V. -  $n$ -Cholinolytic activity and  $\pi$ -electronic structure of the molecule. p. 57.
- Selivra, A. I. - Content of adrenal-like substances and acetylcholine in the superior cervical sympathetic ganglion in adult cats and kittens. p. 60.
- Ryzhenkov, V. E., Tsol, S. A. - Functional and morphological changes in the hypothalamus-hypophysis system under the effect of the neurotropic drug ethylnorantifone. p. 64.
- Il'in, I. I., Dziubenko, M. S., Bargman, B. B. - Sympathoadrenal effect in man under prolonged (several hours) effect of aminazine. p. 66.
- Ullanova, O. V. - Effect of chlorazolin on experimental arrhythmic rhythm disorders. p. 69.
- Dzhikidze, E. K., Pekerman, S. M. - Immunological reactivity in monkeys following acute radiation sickness. p. 73.
- Shevelov, A. S. - Effect of the transplantation of homologous hemopoietic cells on the synthesis of antibodies in irradiated animals. p. 77.
- Verbitskii, M. Sh. - Serological studies in experimental erythroblastosis fetalis. p. 81.
- Lomakin, M. S., Sololova, E. V., Feigel'man, S. S. - Immunological properties of normal tissue antibodies. p. 84.

- Lezhnev, O. M. - Effort to detect humoral antitoxic plastic antibodies in mice immune to isogenic sarcomas induced by methylcholanthrene. p. 60.
- Smirnova, I. O., Samoilov, V. I. - Effect of extract taken from a mammary gland tumor on the follicle-stimulating function of the hypophysis in rats. p. 92.
- Sidorova, V. F. - Mitotic activity of the liver in rats following various surgical interventions. p. 95.
- Donskikh, N. V. - Experimental reproduction of hydropneumonia in animals. p. 99.
- Wiener, F., Bede, A., Abraham, A. - Karyogram of mice of the inbred line C57Bl/GIF. p. 103.
- Shuleikina, K. V., Gladkovich, N. G. - Endings of presynaptic fibers in the motor neurons of the spinal cord in human embryos. p. 106.
- Biruchkov, I. U. V. - Some data on the conduction paths of the optic analyzer. p. 111.
- Soskin, I. A. M. - Reaction of the neurons of the cerebellar cortex in reparative regeneration in mammals. p. 113.
- Orlov, R. S., Guzev, O. E. - Tensometric transducer amplifier. p. 117.
- Smirnov, I. K. - Method for simultaneous application of fistular tubes to several organs of the abdominal cavity using a combined cannula. p. 118.
- Nesterin, M. F., Narodetskii, R. V. - Methods for obtaining pure gallbladder and liver bile in chronic experiments. p. 120.
- Ivanov, I. U., Pakhmurnyi, B. A. - Methodology for simultaneous determining of the volume of extra- and intracellular fluid in the body of rats. p. 123.

KHARKOV, MEDYCHINYI INSTYTUT. Trudy [MEDICAL INSTITUTE, Transactions]. No. 36, 1967.

- Table of contents translated:  
Popov, I. D. - Development of machine manufacture in the Soviet Union. p. 5.
- Tkachenko, G. E. - Intensification of agriculture in the U.S.S.R. p. 11.
- Bogri, S. M. - Internal topography of the tibial and the common peroneal nerves in the popliteal fossa in man and rabbits. p. 19.
- Kiseleva, L. N. - Nerves of the muscles of the human hand. p. 27.
- Brovina, N. N. - Glands of the uterus in man and some animals. p. 33.
- Krapivkin, A. A. - Materials on macro- and microscopy of the rectal glands in man and some animals. p. 41.
- Gordienko, V. M. - Effect of bromine on the functional activity of the thyroid gland. p. 63.
- Arkhipenko, V. I., Ugrumova, R. S. - Importance of the state of the thyroid gland in its reaction to the thyrotropic hormone. p. 63.
- Luzan, L. E. - Effect of radiation energy on the sex cycles. p. 69.
- Lisegor, O. P. - Effect of the stimulation and removal of the uterus on the gonadotrophic functions of a deamphatized hypophysis. p. 77.
- Skalozub, V. P. - History and the contribution to science of the Department of Normal Physiology of the Kharkov Medical Institute for the period between 1895 and 1926. p. 87.
- Prikhod'kova, E. K., Timashova, I. N. - Effect of hypotensive substances on the level of blood pressure in dogs with experimental hypertension originated in the central nervous system. p. 99.
- Efimova, T. G. - Experimental hypertension induced by the administration of vitamin D. p. 103.
- Busygina, N. A. - Role of the cortex and subcortex in the regulation of the cardiovascular function of the organism. p. 109.
- Surnev, B. K. - Dynamics of blood pressure in the process of the higher nervous activity. p. 117.
- Red'ko, N. I. - Role of the vagus nerve in experimental hypertension originated in the central nervous system. p. 131.
- Utevakii, A. M. - Inclusion of a hormone (adrenaline) and the intermediate products of its metabolism in oxidation-reduction processes. p. 139.
- Gaisinskaya, M. I. U. - Oxidation and stabilization of adrenaline in the blood of animals with experimental models of hypertension and atherosclerosis. p. 145.
- Kallman, P. A. - Effect of the products of adrenaline oxidation (dehydroadrenaline and adrenochrome) on adrenaline metabolism in the organism. p. 151.
- Pashchenko, A. E. - Adrenaline and adrenalinelike substances of the vascular wall in rabbits with experimental atherosclerosis. p. 157.
- Levantsova, N. S. - Effect of renin on the adrenaline content in the adrenal glands and the vascular wall. p. 163.
- Lipovetskaya, E. I. - Effect of acetylcholine on the oxidized and reduced form of ascorbic acid. p. 169.
- Derkach, V. S., Kononenko, A. P. - Fluorescence microscopic study of the therapeutic effectiveness of neocleide. p. 175.
- Kononenko, I. F. - Antibacterial and therapeutic properties of the preparation melissin derived from bee venom. p. 179.

Leibfeld, E.L. - Effect of antibiotics on the enzyme systems of bacteria. Report No. 3 Effect of levomycin and streptomycin on the phosphatases of the colon bacillus and Flexner's dysentery bacilli. p. 187.

TSyganenko, A.I.A. - Combined effect of antibiotics on *Bacterium proteus*; study of the influence of streptomycin, syntomycin and sansine on *Bacterium proteus* in experiments in vitro and in vivo. p. 191.

Svidchanko, A.L. - Combined effect of antibiotics on *Enterococcus*. Report No. 1: Sensitivity of *Enterococcus* to antibiotics. p. 201.

Zikeva, N.S. - Variability of diphtheria bacilli under the influence of antibiotics. p. 209.

Ioffe, Z.G. - Effect of some antibiotics on the development of the Zdrovovskii-Samueli-Shwartzman phenomenon. p. 215.

Sukhomosova, N.S. - Effect of antibiotics on the development of antibodies in the immunization of rabbits with a tetravalent vaccine. Report No. 1. p. 219.

Vasil'eva, N.V. - Effect of drug-induced sleep on the development of precipitins. p. 225.

Stepanuk, T.I. - Variability of dysentery bacilli during their cultivation on chicken embryos. p. 229.

Kaluzhnaia, L.D. - Determining the oxidation-reduction potential of dysentery bacilli. p. 233.

Schastnaia, P.I. - Effect of electromagnetic waves of ultrahigh frequency on micro-organisms. p. 239.

Al'pern, D.E. - Studies of the Department of Pathological Physiology on the problem of inflammation. p. 253.

Adonkin, F.S. - Role of the higher sections of the central nervous system in the restoration of the morphological composition of the blood following acute blood losses. p. 259.

Kononenko, A.A. - Blood pressure in sensitized organisms and its changes under the influence of vasoconstrictors and vasodilators. p. 267.

Dobrogeeva, I.V. - Reaction of the blood circulation apparatus to the influence of vasoconstrictors and vasodilators in experimental neurogenic hypertension. p. 273.

Rozhdestvenskaya, G.G. - Chemical factors of nervous stimulation in the blood in schizophrasia. p. 279.

Berger, E.N. - Influence of hypophysial preparations on the effect of some depressor and pressor agents. p. 285.

Kharchenko, N.S. - Onion, its physiological activity and its use in clinical treatment. p. 293.

Kutsovich, V.A. - Some data on the effect of onion phytoncides. p. 299.

Krasnovskaya, E.A. - Pharmacological study of the hypotensive effect of some phenamine derivatives. p. 305.

Pelrenko, N.N. - Pharmacological study of some phenamine derivatives. p. 311.

Bruk, M.M. - Experimental study of the effect of ginseng on the motor activity in health and under conditions of changed correlations of the fundamental processes of the higher nervous activity. p. 319.

Murlykin, P.A. - Mechanism of the effect of Antiverucin. p. 327.

Stupina, A.S. - Pathomorphological changes in the parathyroid glands in hypertension. p. 337.

Bordug, P.A. - Pathomorphological changes in the solar plexus in hypertension and atherosclerosis. p. 343.

Miklaev, I.U.I. - Pathomorphology of the frontal lobes of the human brain in hypertension. p. 351.

Nalbat, A.S. - Characteristics of the morphological changes in the myocardium and in the intramural nervous apparatus of the heart in chronic septic endocarditis. p. 359.

Nestanko, V.V. - Structural characteristics of the secondary changes in atherosclerosis of the coronary cardiac arteries in myocardial infarction. p. 367.

Tkachenko, M.S. - Role of the nervous system in pigmentation changes and some internal organs in amphibians during overheating. p. 375.

Glebov, F.M. - Determining cobalt in human blood. p. 383.

Shcherbakov, I.A. - Molecular polymorphism of monochloroacetic acid. p. 389.

Dobrovolskii, N.F. - New indicator for argentometric determination. p. 397.

Arlozorov, D.G. - Mechanism of the antitubercular action of phthivazide and its analogues. p. 401.

Sivoronov, V.A. - Changes in the chemical composition of the saliva of dogs in relation to the influence of external temperatures. p. 413.

(DNLM)

KLINICHESKAYA MEDITSINA [CLINICAL MEDICINE]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 48, no. 3, Mar. 1965.

(DNLM)

LENINGRAD, Pervyi Leningradskii Meditsinskii Institut. Sbornik trudov [FIRST LENINGRAD MEDICAL INSTITUTE. Papers]. Vol. 2, 1962.

(DNLM)

\*MEDITSINSKAYA RADIOLOGIYA [MEDICAL RADIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 9, no. 7, July 1964.

Table of contents translated.

Abdurasulov, D.M., Dimant, I.N. - Radiometric and autoradiographic methods in the study of the mechanism of acute traumatic brain edema; experimental research. p. 3.

Kaperko, F.F. - Determination of the heart volume and other indices of central hemodynamics of the heart using radioactive krypton ( $Kr^{85}$ ). p. 7.

Strashnin, A.I. - Immediate and late sequelae of radiation effect in the treatment of breast cancer. p. 18.

Antonov, I.I. - Two successful cases of autoplasty in radiation ulcers using free skin grafts. p. 20.

Polubolarinova, Z.I., Stral'tsova, V.N. - Mechanism of functional and morphological renal changes in radiation sickness ( $Po^{210}$ ) in rats treated with unithiol. p. 22.

Abdurasulov, D.M., Nikolaev, A.I., Ikramova, G.S. - Use of a complex cobalt compound ( $Co^{57}$ ) in general reactions caused by radiation therapy. p. 28.

Smirnov, R.V. - Correlation of some effects (tumor accelerating, carcinogenic and life-span shortening) under the influence of ionizing irradiation. p. 32.

Raeva, N.V., Klomparskaya, N.N., Usacheva, I.N. - Clinical characteristics of acute radiation sickness in monkeys following preliminary BCG vaccination. p. 37.

Komar, A.P., Kruglov, S.P., Lopatin, I.V. - Ionization devices for the measurement of energy in  $\gamma$ -ray beams. p. 46.

Kruglov, S.P., Lopatin, I.V. - Distribution curves of energy absorbed along the depth with presence of substances inhibiting irradiation. p. 52.

Tank, L.L., Kuznetsov, V.I. - Cardiovascular changes under the influence of aminoalcohols; a review of literature. p. 56.

G.P. Nazarashvili, on his 70th birthday. p. 73.

Astakhov, I.A. - Annotated index of dissertations on medical radiology defended from 1960 to 1962. p. 74.

\*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] II, vol. 9, no. 4, Apr. 1965.

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniia i Akademii nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 4, Apr. 1965.

MOSCOW, Pervyi Meditsinskii Institut. Trudy [FIRST MEDICAL INSTITUTE. Transactions]. Vol. 32, 1964. Problems of practical ophthalmology.

Table of contents translated:

Arkhangelskii, V.N. - Physiology and pathology of the vitreous body. p. 7.

Dormidontova, K.V., Vil'shanskii, E.N. - Visual acuity and refraction in children of preschool age. p. 28.

Brantseva, M.K., Gaverdovskaya, G.K. - Prophylaxis for injuries and lesions of the eyes of workers in the chemical and metalworking industries. p. 38.

Gaverdovskaya, G.K. - Prophylaxis for injuries and diseases of the eyes of workers in the "Krasnyi Proletarii" machine-tool plant. p. 51.

Brantseva, M.K., Vil'shanskii, E.N. - ACTH and cortisone; their use in an eye disease clinic. p. 66.

Sokolovskii, G.A. - Clinical importance of electrophoretic studies of protein fractions of the blood in eye diseases. p. 85.

Loboduk, L.A. - Therapeutic effect of small doses of antirheumatic cytotoxic serum in influenzal lesions of the retina and the optic nerve. p. 87.

Glotova, N.M. - Clinical and morphological study of the turbidity of the retina. p. 107.

Grinberg, E.M. - Morphological substantiation of functional changes in the eye under the influence of diathermy and ultrahigh-frequency currents. p. 132.

Shumilova, T.P. - Normal and pathological anatomy of the ciliary processes. p. 147.

Dubrovina, M.S. - Changes in the visual organ in tuberculosis. p. 164.

Arkhangelskii, V.A. - Exophthalmos in diencephalitis. p. 180.

Dmitrieva, A.A., Grinberg, E.M. - Angioid streaks of the retina. p. 201.

Dmitrieva, A.A. - Chloroma of the orbit. p. 208.

Glotova, N.M. - Choroid detachment simulating a tumor of the ciliary body. p. 213.

Kuncheva, G.S. - Intraocular tumor considered for a long time a congenital tubercle. p. 218.

Kuncheva, G.S. - Bilateral primary atrophy of the iris accompanied by a displacement of the crystalline lens and an increase in intraocular pressure. p. 223.

Gaverdovskaya, G.K. - Cysticercosis and a secondary dacryocystitis of the eye combined with cysticercosis of the brain. p. 220.

TSibenova, TS.TS. - Larvae of a warble fly under the skin of the eyelids in children. p. 237.

Zil'berman, R.S. - Adolescents with a dystrophy of macula lutea. p. 241.

Volkova, V.N. - True congenital distichiasis. p. 247.

Grinberg, E.M. - Marginal dystrophic keratitis. p. 252.

Vil'shanskii, E.N. - Coloboma of the crystalline lens. p. 258.

Zil'berman, R.S. - Apparatus to determine the near point of clear vision. p. 262.

Zil'berman, R.S. - Sectional lighting device for the table used in determining distance vision. p. 264.

MOSCOW, TSENTRAL'NYI INSTITUT USOVERSHENSTVOVANIYA VRACHEI. Trudy [CENTRAL INSTITUTE FOR POSTGRADUATE TRAINING OF PHYSICIANS. Transactions]. Vol. 60, 1964. Voprosy grudnoi i bruchnoi khirurgii [Problems of thoracic and abdominal surgery], no. 3.

Table of contents translated:

Osipov, B.K. - Surgeon's tactics in metastatic tumor of the lungs. p. 7.

Osipov, B.K., Semenovskii, M.L. - Diagnosis and surgical treatment of lung cancer. p. 15.

Stetsluk, A.G. - Surgical treatment of adenomas of the lungs. p. 22.

Stepanova, T.V., Golubeva, K.A. - Late complications following blind splinter injuries of the lungs. p. 2.

Manovich, V.L. - Coolomic cysts of the pericardium. p. 36.

Manovich, V.L. - Teratoid formations of the mediastinum. p. 51.

Manovich, V.L., Balabanov, I.U.V. - Mediastinoscopy as an objective method for the study of the anterior mediastinum. p. 67.

Apolan, V.T. - Transosseous phlebography in diseases of the lungs. p. 74.

Apolan, V.T. - Causes of failures, danger and complications in transosseous phlebography of the thorax. p. 88.

Evgrafov, V.L. - Temporary unilateral bronchovascular occlusion in surgery of the lungs. p. 97.

Evgrafov, V.L. - Use of the "sail" phenomenon in conducting the catheter through the chambers of the heart. p. 103.

Kochetkova, A.G. - Angiography in the diagnosis of lung diseases. p. 114.

Stetsluk, A.G. - Complications in selective angiopulmography. p. 122.

Stetsluk, A.G., Vlasov, P.V. - Simultaneous bronchoscopy and bronchography under local anesthesia. p. 127.

Ivanova, E.F. - Bronchoscope and cytological diagnosis of bronchopulmonary cancer. p. 135.

Ivanova, E.F. - Complications in bronchography. p. 144.

Stepanova, T.V., Kochetkova, A.G. - Bronchoscopic bronchographic and angiographic comparisons in a middle lobe syndrome. p. 151.

Shimeliovich, L.B. - Evaluation of the effectiveness of operations for experimental revascularization of the myocardium. p. 163.

Shimeliovich, L.B., Zagnitkovskaya, E.M. - Morphological study of internal thoracic arteries in connection with their use in the revascularization of the myocardium. p. 165.

Khrustalev, A.A. - Effect of exercise therapy on the function of external respiration following lung surgery. p. 168.

Kuzev, E.A., Rozanov, I.B. - Role of gastroscopy in the diagnosis of diseases of the stomach. p. 179.

Kuzev, E.A. - Immediate and late results of surgical treatment of nonepithelial tumors of the stomach. p. 183.

Zak, I.U.I., Perkin, E.M. - Perforating cholecystitis. p. 188.

Shimeliovich, L.B., Elkonin, B.L. - Indications for cholecystectomy in the combination of cholelithiasis and coronary insufficiency. p. 193.

Elkonin, B.L., Shimeliovich, L.B. - Changes in the electrocardiogram in acute pancreatitis. p. 200.

Rozanov, I.B., Rubinov, R.S. - Some causes of unsatisfactory results of an appendectomy. p. 208.

Iakovlev, N.A. - Some topographical-anatomical substantiations of the lumboilac section for the removal of the cecum. p. 224.

Naumova, Z.V., Zharinova, T.V. - Results of the use of the pneumoperitoneum in a surgical clinic. p. 241.

Osipov, B.K., Iakovlev, N.A. - Pathogenetic treatment of shock. p. 247.

Malyshev, V.D. - Use of controlled and auxiliary respiration in treating acute respiratory insufficiency. p. 268.

Khristenko, N.V. - Effect of hypoxia on changes in the electroencephalogram. p. 269.

Khristenko, N.V. - Selection of the optimal respiratory regime in an open thorax. p. 273.

(DNLM)



Vol 69, 1964 Epidemiology and prevention of infectious diseases.

Table of contents translated:

- Bezdenzhnykh, I. S. - Methods of epidemiological analysis p 5
- Guslits, S. V. - Notes of an epidemiologist concerning active immunization of the population and the problem of eradicating infections p 12
- Guslits, S. V. - Reactivity in infectious pathology and epidemiology p 21
- Lelikov, V. L. - Role of flies in the distribution of typhoid fever in Leningrad p 31
- Gogol', L. G., and others - Characteristics of a typhoid fever outbreak at an industrial enterprise p 35
- Eremova, V. N. - Evaluation of the epidemiological effectiveness of the aerosol method of immunization against typhoid fever p 38
- Nesterova, V. B. - Characteristics of water-borne dysentery outbreaks p 40
- Deviatova, L. N. - Current data concerning the worldwide distribution of ornithosis p 43
- Neilubov, I. D. - Ornithosis in domestic ducks on poultry farms in Kalinin Province p 49
- Neilubov, I. D. - Characteristics of an ornithosis outbreak in a poultry slaughterhouse p 52
- Marapulets, I. A. - Results of the examination of the population of Moscow and its suburbs for leptospirosis p 55
- Merzhennyi, A. M. - Epidemiology of leptospirosis in Mogilev Province p 58
- Gilgotshechenko, A. E., Mel'nik, M. N. - Role of domestic and synanthropic animals in the epidemiology of toxoplasmosis p 60
- Magarranov, B. G., Alekserov, A. S. - Results of an examination of wild birds for toxoplasmosis p 62
- Gal'perin, E. A., and others - Observations of vaccinations against influenza A<sub>2</sub> p 64
- Nepyshevskaya, V. V. - Results of serological examination of commercial fur-bearing animals for toxoplasmosis p 68
- Chernetskaya, L. V. - Materials on the study of the epidemiology of toxoplasmosis p 70
- Zeitlenok, M. A., Markova, I. A., Nepyshevskaya, V. V. - Distribution of toxoplasmosis in Voronezh Province p 73
- Kashanova, N. I., Bushtueva, N. G., Matveeva, A. V. - Use of fluorescent serums in the detection of typhoid bacilli in the blood p 77
- Kashanova, N. I., Matveeva, A. V. - Detection of typhoid bacilli in the blood by the phage titer growth reaction p 79
- Gogol', L. G., Bushtueva, N. G. - Survival of the agents of typhoid fever and paratyphoid A and B in artificially inoculated soil and silt p 82
- Lelikov, V. L., Apostoli, L. A. - Microbiological characteristics of factors transmitting typhoid fever and paratyphoid in Leningrad and its vicinity p 85
- Eremova, V. N. - Study of the immunological shifts in the blood sera of children and adults following aerosol immunization against typhoid fever p 89
- Popova, G. O. - Reproduction of typhoid fever infection in the lower monkeys of the rhesus macaque type p 93
- Kovaleva, E. P. - Prozone phenomenon in carrying out the complement fixation reaction for toxoplasmosis p 98
- Kovaleva, E. P. - Method of the complement fixation reaction for toxoplasmosis p 101
- Nekliudova, L. I. - Laboratory diagnosis of influenza A<sub>2</sub> and B p 105
- Bektimirov, T. A. - Effect of radioactive phosphorus on experimental rickettsial infection p 112
- Stakhanova, V. M., Zhanileva, E. M. - Labeling influenza viruses with radioisotopes p 119
- Zhanileva, E. M., Stakhanova, V. M. - Labeling specific antibodies with radioisotopes p 122
- Ermol'eva, Z. V., and others - Methods for the control of carriers of pathogenic staphylococci p 125
- Ermol'eva, Z. V., Pasternak, N. A. - Treating chronic carriers of diphtheria bacilli with antibiotics and vitamin C p 131
- Ermol'eva, Z. V., Zhukovskaya, N. A., Golosova, T. V. - Experimental study of lysozyme and some data on its clinical use p 136
- Sobolev, V. R., Glivental', N. I., Shcherbak, I. U. F. - Intramuscular use of tetracycline antibiotics in brucellosis in an experiment and in a clinic p 140
- Ermol'eva, Z. V., and others - Acetoxane and interferon in virus infections p 145
- Terent'eva, T. G. - Study of the antineoplastic activity of basic polypeptides in vitro p 150
- Kokhanovskaya, T. M., Dzhumanbaeva, A. A. - Experimental study of antibiotics on the model of a chicken embryo p 155
- Avtchen, S. B. - Characteristics of clinical course of typhoid fever and paratyphoid B in children p 162
- Gal'perin, E. A., Buldakova, A. A., Lizgunova, A. V. - Clinical aspects of the outbreak of influenza A<sub>2</sub> in January 1962 p 167
- Mashkov, V. P. - Clinical characteristics of myocardial and kidney lesions in food poisoning of salmonella etiology p 172

- Kovaleva, E. P., Kopp, V. D. - Case of isolation of *Toxoplasma* from menstrual blood p 177
- Bakulina, N. A. - Reaction of indirect hemagglutination in the diagnosis of toxoplasmosis p 180 (DNLM)

# PROBLEMY ENDOKRINOLOGII I GORMONOTERAPII (PROBLEMS OF ENDOCRINOLOGY AND HORMONE THERAPY). Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 11, no. 1, Jan.-Feb. 1965.

Table of contents translated:

- Baranov, V. G., Nikolaenko, N. F., Stepanov, G. S. - Treatment of diffuse toxic goiter with potassium perchlorate combined with reserpine p 3
- Narychev, A. A. - Systematic irrigation of the wound following strumectomy as a method of preventing a postoperative thyrotoxic reaction p 9
- Samokhvalova, M. A., and others - Endemic goiter in Krasnoyarsk Territory p 13
- Raskin, A. M. - Importance of the age factor in the development of autoimmune reactions to the tissues of the thyroid gland in women without thyroid pathology and patients with nontoxic goiter p 18
- Klachko, V. R. - Treatment of noninfective thyroiditis with a subacute course with prednisolone dione and ACTH p 21
- Kanardin, L. N., Timoshnikov, V. M. - Diagnosis and surgical treatment of cancer of the thyroid gland p 25
- Neimark, I. I. - Treatment of cardiac fibrillation in thyrotoxicosis p 29
- Zarubina, N. A. - Results of prolonged use of methyl-androstenediol in hypophyseal nism p 33
- Korneev, G. I. A. - Excretion of fractions of 17-ketosteroids with the urine during the postmenopausal period in women with and without a climacteric neurosis p 39
- Kopelovich, M. A., Tikhonova, E. P. - Simmonds-Sheehan hypopituitary syndrome p 46
- Klovskii, B. N., Lebedev, B. V., Mladkovskaya, T. B. - Chromosomal changes in patients with Turner's syndrome p 54
- Sorkina, A. I., Gordin, G. B. - Late results of operative treatment of a serious form of hyperparathyroid osteodystrophy with calcareous metastases p 58
- Shumilova, N. V., Balabolkin, M. I., Zaitseva, V. B. - Itsenko-Cushing disease in conjunction with cancer of the pancreas p 60
- Natmark, D. A. - Chorioepithelioma of the mediastinum in man p 62
- Agarkov, G. B. - Nervous apparatus of the adrenal glands in phylogenesis p 66
- Morozova, M. S. - Effect of repeated administration of ACTH on the activity of 3 $\beta$ -ol-dehydrogenase and the synthesis of steroids from progesterone in the adrenal glands of rabbits p 71
- Smirnov, M. I., and others - Effect of cortisone on the concentration of vitamins B<sub>1</sub>, B<sub>2</sub> and C in the tissues of rats p 78
- Udaev, N. A., Morozova, M. S. - Activity of 21- and 11 $\beta$ -hydroxylases in the adrenal glands of rabbits following repeated administrations of ACTH p 81
- Natanson, A. O., Mitashova, N. I., Chuvaev, A. V. - Role of the hypophysis in the development of hypertrophy of the adrenal glands in hypervitaminosis A in rats p 87
- Ivanov, I. U. I. - Effect of cortisone and prednisone on water-salt metabolism and the renal function in dogs p 92
- Volkeiev, A. A. - Properties of hypophyseal colloids p 96
- Abdullaev, N. Kh. - Effect of prolonged administration of melandrenolone (neobol) on some indices of the metabolic processes in the liver, the fatty tissue and the blood p 102
- Alzenshtein, F. A. - Histopathology of the spinal cord in thyrotoxicosis and experimental hyperthyroidism p 109
- Bondarenko, B. B. - Mechanisms of aldosterone secretion control; survey of the literature p 114
- Liberman, L. L. - Formation of insulin and problems of the pathogenesis of diabetes mellitus; survey of the literature p 119

# REFERATIVNYI ZHURNAL: MEDITSINSKAIA GEOGRAFIYA (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 5, May 1965.

# SOVETSKAIA MEDITSINA [SOVIET MEDICINE]. Organ of Ministerstvo zdoravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.], Moscow, vol. 28, no. 1, Jan. 1965.

Table of contents translated:

- Dul'shin, M. S., Lorie, I. U. I., Privolova, L. I. - Some problems in the pathogenesis of autoimmune hemolytic anemias p 3

Lebedeva, Z. G. - Myocardial infarct in persons under 40 years of age p 9

- Storovich, S. Kh. - Prognosis of myocardial infarct in persons under 40 years of age p 11
- Atem'ev, E. N., Komarova, E. K. - Detection and treatment of the postinfarct syndrome p 15
- Kakhovskii, I. M. - Electro-oscillographic examination of peripheral arteries in myocardial infarct complicated with collapse p 20
- Lerth, A. I., Smolenskii, G. A., Ozorova, A. I. - Comparative analysis of the results in treating stenocardia with nitrit and manitol p 24
- Gillarevskii, S. A., Molisev, S. G., Androsova, S. O. - Late hemodynamic changes following initial commissurotomy p 31
- Kubyshkin, V. F., Korolenko, A. B. - Contractile capacity of the myocardium in primary and recurrent rheumatic carditis based on polycardiographic and dynamocardiographic data p 36
- Zlotopolskii, A. R., and others - Antirelapse preventive treatment of peptic ulcer p 41
- Batashov, A. P., Zhybov, A. M. - Perforating gastric and duodenal ulcers in young persons p 45
- Ivlev, V. F. - Content of free hydrochloric acid and late results of gastric resection in perforating ulcer p 49
- Baranov, A. N. - Acute appendicitis in persons over 50 years of age p 53
- Veselo, V. S. - Characteristics of the treatment and therapeutic tactics in acute cholecystitis in elderly persons p 57
- Ioffe, I. I., Iaksonov, I. U. A. - Clinical significance of the topography of infiltrates and abscesses of appendicular origin p 61
- Kochetkov, V. A. - Disorders in the exocrine function of the pancreas in patients with traumatic burns p 66
- Cheski, A. L. - Appendectomy in children with rheumatic fever p 71
- Sukhareva, M. E., Dreizin, R. S., Trivun, N. L. - Evaluation of laboratory and clinical methods in the diagnosis of respiratory viral infections in children p 75
- Eplahina, I. I. - Methodology of using neuroplegic preparations in the compound treatment of tetanus p 79
- Akuts, K. B. - Nonsuture method of salpingo-salpingoanastomosis using a fibrin tube p 82
- Epshtein, I. M. - Treatment and cure of renal tuberculosis p 85
- Pollak, S. E. - Urin- and colposcopy as diagnostic tests of estrogen saturation p 90
- Bulatov, P. K., and others - Treatment of children with bronchial asthma under conditions of a pressure chamber p 97
- Bachev, I. I. - Surgical treatment of cardiac wounds under conditions of a district hospital p 101
- Pekker, I. L. - Nitrous oxide anesthesia with pillophen premedication in the first aid treatment of myocardial infarct p 103
- Militarev, I. U. M. - Local injections of hydrocortisone in the treatment of metabolic lesions of the locomotor apparatus p 107
- Kuz'mina, E. N. - Thromboelastography as a clinical method of examination p 111
- Livshits, M. N. - Outpatient treatment of varicose ulcers with antibiotics, sponges and elastic bandages p 113
- Kolesnikov, I. U. P. - Treatment of lymphogranulomatosis with dopan and degranol p 118
- Kolesov, A. P. - Furazonal treatment of trichomoniasis in women p 120
- Zhdanov, I. U. E., Rozhkova, T. V. - Successful use of fibrinolysin in thromboembolism of the pulmonary artery p 121
- Vasil'ev, P. N., Rovinskii, V. I. - Pathogenesis of stenocardial pain in seizures of bronchial asthma p 123
- Savalaeva, T. L., Lenartovich, V. A. - Methodology of the treatment of onychomycosis patients with griseofulvin combined with surgical removal of the affected nails p 124
- Nud'ga, A. N. - Detection of pulmonary cancer p 128
- Brief information p 133
- Chikin, S. I. A., Cheknav, B. M. - Care of the Soviet state for the nationalities of the Far North p 137
- Iugal, L. A. - Pulmonary echinococcosis in Yakutia p 141
- Borodin, I. U. P. - Concerning I. L. Sagolani's article "Determination of the sensitivity to streptomycin in pulmonary tuberculosis patients." p 146
- Lapin, N. N. - Secondary morbidity with infectious hepatitis in apartment foci p 147
- Opaleva, V. A. - Report on the Enlarged Plenum of the Problem Commission of the Scientific Medical Council of the Ministry of Public Health of the R.S.F.S.R. on the acclimatization and regional pathology of man in the Far North p 153

Vol. 28, no. 5, May 1965.

Table of contents translated:

- Tarcev, E. M. - Origin and prevention of collagen diseases p 3

- Lukomskii, P. E. - Prevention of coronary heart disease. p.10.
- Budin, K. V. - Clinical and pathogenetic parallels in severe forms of epidemic hepatitis and its complications with liver dystrophy. p.16
- Ishokov, D. D. - Differential diagnosis in silicosis. p.21.
- Tumanovskii, M. N., Gaimash, V. I. A. - Ultrasonic cardiography. p.29.
- Bogolepov, N. K. - Visceroflex paroxysmal syndrome. p.34.
- Mikheev, V. V. - Nonopathological disseminated lupus erythematosus. p.38.
- Atakhanov, E. I. - Enterogenic anemias. p.39.
- Nasonova, V. A., and others. - Basic principles of compound treatment of major collagenoses. p.46
- Fodor, O., Dumitrescu, D. - Study on the pathogenic action of the microflora of the small intestine. p.52.
- Kushel'skii, B. P., Kheionon, I. M., Fialko, V. A. - Study of the effectiveness of the use of fibrinolysin in myocardial infarcts. p.55.
- Matusova, A. P., and others. - Use of corticosteroid hormones in the treatment of the postinfarct syndrome. p.59.
- Kassitskii, G. I. - Some current problems in the methodology of phonocardiography. p.62.
- Dubilet, V. V. - Principles of compound treatment in chronic inflammatory diseases of the respiratory organs. p.66.
- Smolgovets, P. V. - Endocrine function of the pancreas in peptic ulcer and chronic gastritis based on the indices of carbohydrate metabolism. p.71.
- Nopkina, S. A. - Characteristics of the clinical aspects of peptic ulcer in children. p.75.
- Senendlaeva, M. E., Iatsyshina, T. A. - Significance of puncture biopsy of the liver in evaluating the outcome of epidemic hepatitis. p.80.
- Shmeleva, V. S., Galina, O. M. - Increase of the histamine content in plasma of epidemic hepatitis patients. p.84.
- Dorevskaya, B. D. - Normalization of disorders in the liver function in diseases of the biliary tract under the effect of treatment. p.87.
- Gelnits, V. V. - Transition of epidemic hepatitis to chronic forms. p.90.
- Levin, G. S. - Problem of the pathogenesis of ascites in cirrhosis of the liver. p.93.
- Alekseev, P. P., and others. - Compound treatment of acute and chronic renal insufficiency using hemodialysis. p.98.
- Merzon, A. K., Kas'ianova, T. N. - Materials on comparative evaluation of modern diuretics. p.102.
- Telegina, K. A. - Results of using juglone in neurodermatitis. p.110.
- Baranova, I. V. - Differential diagnosis of the "round foci" in the lungs. p.113.
- Alisov, P. A., Kazantsev, A. P. - Rate of incidence and characteristics of sporadic ornithosis. p.117.
- Suleimanov, B. V., Mukhametrahimov, R. F. - Treatment of typhoid fever with levomycetin and pentoxyl. p.121.
- Krasovskii, Z. I. - Treatment of pneumonia in whooping cough patients with neuroplegic mixtures in combination with antibiotics and symptomatic substances. p.124.
- Manukhan, G. Kh. - Use of the sychoprophylactic anesthesia method in labor of older primiparas with abortions in the anamnesis. p.127.
- Lopatkin, A. I. - Study of late results of treatment of bacterial urethritis in males. p.133.
- Kondrat'ev, G. G., Mustaev, R. K. - Clinical aspects of pemphigus. p.136.
- Sobolev, I. N. - Clinical aspects and treatment of trichinosis. p.142.
- Krasil'nikova, I. P., Koblov, I. V. - Insipid syndrome in hepatocerebral dystrophy. p.144.
- Podlevskii, A. F. - Furacillin therapy in prolonged bacterial carrier state in dysentery. p.146.
- Timofeev, V. I. - Pulmonary sarcoidosis (Besnier-Bocock-Schaumann's disease) with a lesion of the heart. p.149.
- Brief news. p.151.
- E. M. Tareev, on his 70th birthday. p.156.
- Shapiro, I. A. - Development of public health service in the western provinces of the Ukrainian S. S. R., in Bukovina and in Transcarpathia within the last 25 years of Soviet power; on the 25th anniversary of the reunion of the western provinces of the Ukraine with the Ukrainian S. S. R. p.23
- Vasil'ev, K. G., Vasil'eva, N. I. - Methods of studying the history of medicine. p.27.
- Milashkin, A. G. - N. N. Burdenko, first president of the Academy of Medical Sciences of the U. S. S. R.; on the 20th anniversary of the Academy of Medical Sciences of the U. S. S. R. p.29
- Duplenko, K. F. - From the history of the Ukrainian schools for the training of medical research personnel. p.35
- Petrov, P. T. - Scientific Association at the Kharkov Governmental Department of the Union of Medical and Sanitation Workers, on the 40th anniversary of its founding. p.39.
- D'Isachonko, D. P. - First people's commissar of public health in Kamchatka. p.43
- Dorodil, N. K. - Revolutionary physician A. V. Lysenko. p.48
- Korneev, V. M. - 200th anniversary of the promulgation of the right to confer the degree of doctor of medicine in Russia. p.53
- Benimov, R. I. A., Makatenko, I. M. - N. I. Pirogov and the Kiev University. p.55.
- Bazanov, V. A. - At the source of the scientific and civic activities of P. F. Erismann. p.60
- Sidorenko-Zolozhinskaya, G. M. - First medical and topographical descriptions of Kiev Province. p.66
- Belitskaya, E. I. A. - I. U. E. Anson and sanitary statistics. p.70.
- Gorfin, D. V. - Page from the history of the medical relations between the U. S. S. R. and Western Europe. p.74.
- Pototskii, M. N. - Therapeutic art of ancient Egypt and its influence on European medical science. p.75.
- Memorable and anniversary dates of the history of medicine during 1985. p.78.
- Indul'skii, I. A. - Some problems concerning absence from work due to illness in the textile industry of Poland. p.81
- Mul'ianovskii, M. P. - Publication of textbooks on the history of medicine in socialist countries. p.87.
- Klants, P. A. - N. I. Pirogov's estate - museum. p.90.
- Shengelita, M. S. - Our experience. p.98.
- Nikobadze, I. I. - Conference dedicated to the 100th anniversary of the founding of the Caucasian Medical Society (1864-1964). p.99.
- Burikhin, T. N., Shapiro, I. A. - Conference on the history of medicine held in Lvov. p.101
- Merman, M. - Instructive conference. p.103
- Vol. 24, no. 5, 1965.
- Table of contents translated
- Smolin, E. I. - Military medicine of the U. S. S. R. in the Great Patriotic War; on the 20th anniversary of the victory over fascist Germany. p.3.
- Kuz'min, M. K. - Heroism of medical workers in the years of the Great Patriotic War, 1941-1945. p.10
- Soleznova, V. T. - Perm Medical Institute in the years of the Great Patriotic War. p.15.
- Sotivanov, V. I. - Soviet Red Cross and Red Crescent Society in the years of the Great Patriotic War, 1941-1945. p.20.
- Sholepin, A. V., Gavrilov, N. I. - Efficient organization of dispensary service for the population as an important task of public health agencies and institutions. p.26
- Gatsinskaya, E. A. - Improving profoundly the dispensary service for children. p.30.
- Ezorskaya, I. M., Kovaleva, S. I. - Work of an anti-tuberculosis dispensary under present conditions. p.34.
- Gorjavina, Z. N., Kremer, P. B., Chigirinskii, L. M. - Organization of the work at the Volga Interdistrict Oncological Dispensary. p.39.
- Serebriakova, Z. N. - Psychoneurological dispensaries and their role in the prevention and treatment of neuropsychic diseases. p.42.
- Khrenova, V. G. - Important tasks of obstetric and gynecological services rendered to women. p.46
- Mitauer, L. Kh. - Organization of fluorographic examinations in the districts of a province. p.49.
- Shishikov, P. P. - Keeping dispensary control cards in surgical practice. p.52.
- Daniushkevskaya, V. I. - From the history of dispensary service rendered to scientists in the U. S. S. R. according to materials of the Central State Archives of the October Revolution of the U. S. S. R. p.53.
- Isakhanov, M. P. - Results of the control of disease in a textile factory. p.57.
- Dodnits, A. I., Toront'ov, A. S., Dednits, L. A. - Results of the participation of laryngologists in the examination of children of preschool age. p.62.
- Khiteva, V. A. - Importance of medical examinations in the detection of ear, nose and throat diseases. p.63
- Gai'perin, A. A. - Results of the organization of geriatric aid in the unified hospital and outpatient service. p.64
- Kovalenko, P. I. - Public health service in the Ukrainian S. S. R. today. p.68.
- Andreeva, I. M. - Planning medical service for the population in Rovno Province. p.73
- Vei'akii, V. M. - Planning the work of a province hospital. p.78.
- Zheroblat'ev, V. V. - Problems of health protection of the population in the work of the Soviet of Workers Deputies. p.81
- Rybachuk, G. V. - Results of the work of the outpatient department of a province hospital. p.83.
- Khodakovskii, E. V. - Planning and organization of the work in therapeutic and prophylactic district institutions. p.85.
- Pristupa, A. A. - Scope and nature of the activities of the organizational methodological department of the Central District Hospital. p.88.
- Malov, N. I. - Economics of public health service. p.91.
- Maevskii, V. I. - Coordination of the work of medical publishing houses in socialist countries. p.94
- SUDEBNO-MEDITSINSKAYA EKSPERTIZA [FORENSIC MEDICINE EXPERTISE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 8, no. 1, Jan.-Mar. 1965.
- Table of contents translated:
- Zagladskaya, A. P. - Diagnostic possibilities in the histological examination of stabbed and cut wounds. p.3
- Iankovskii, V. E. - Characteristics of the course of traumas of the lower extremities in children from the viewpoint of forensic medicine. p.6
- Eldin, L. M. - Erroneous evaluation of fat drops in tissues and vessels as an authentic indication of intravital burns. p.10.
- Panfilenko, O. A. - Determination of puberty in forensic obstetrical and gynecological expertise. p.13.
- Sokolov, P. A. - Materials for posthumous cerebral angiography. Technique and methodology. Report No. 1. p.16.
- Cherkavskii, N. B., Stukochenko, A. G. - Significance of struvite crystals in serous cavities of cadavers recovered from the sea. p.18.
- Dronikova, M. A., and others. - Characteristics of the development of the ABO isoserological system in human fetuses. p.21.
- Klein, M. V., Liubinskaya, S. I. - Determination of sex from dried blood stains. p.26
- Krylova, A. N. - Determination of mercury in forensic chemical analysis of human liver and kidneys. p.29
- Filimonova, T. D. - Dynamics of electroencephalographic indices in reactive states in the course of illness. p.33.
- Shumakov, V. M. - Results of catamnestic examination of schizophrenics having committed socially dangerous actions. p.40.
- Karagin, B. A. - Accidental strangulation with clothing. p.44.
- Sokolov, E. A. - Combination of causes of death or asphyxia by strangulation? p.45.
- Shabel'nik, D. I. A., Salii, V. E. - Case of asphyxia through obstruction of the respiratory tract by friable bodies. p.46.
- Mazikova, O. B. - Determination of the direct cause of death. p.47
- Epshtein, E. S. - Medicolegal significance of the examination of the scene of the incident in the expertise of self-blinding. p.48.
- Bulychev, A. V., Nosov, P. A. - Death of "water poisoning". p.49.
- Derings, L. N. - Some organizational suggestions to improve the work of forensic medicine experts. p.50.
- Zhilkov, V. S. - Electric saw for bones. p.51.
- Kraevov, A. K. - S. N. Bakulev. p.60.
- I. F. Ogarkov on his 70th birthday. p.61.
- Shehupik, I. U. P. - Fifteenth anniversary of the Kiev Branch of the Ukrainian Scientific Society of Forensic Medicine Experts and Criminalists. p.62.
- VESELIDA [HEALTH]. Issued by Latvijas PSR Veselības aizsardzības ministrija [Ministry of Health of the Latvian S. S. R.]. Riga, nos. 4(83)-5(84), Apr.-May 1965. [in Latvian]
- \*VOENNO-MEDITSINSKII ZHURNAL [JOURNAL OF MILITARY MEDICINE]. Issued by Voenno-meditsinskoe upravlenie Ministerstva oborony SSSR [Military Medicine Administration of the Ministry of Defense of the U. S. S. R.]. Moscow, no. 6, 1964.
- Table of contents translated:
- Further improvement of sanitary supervision in the army and navy. p.3.
- Mikhailkevich, M. F., Simakin, A. S. - A well-deserved reward. p.7
- Vialinevskii, A. A., Shraiber, M. I., Bralnes, S. N. - Cybernetic methods in the prognosis of burn sickness. p.8.

# SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 24, no. 4, 1965

- Table of contents translated:
- History at the service of the present and the future. p.3
- Potulov, B. M. - Great legacies; on the 45th anniversary of the address delivered by V. I. Lenin at the 2d All-Russian Congress of Medical and Sanitation Workers. p.10.
- Vektlov, F. M. - Public health service in Azerbaijan. p.15.
- Sycheva, V. E. - Some characteristics of the development of public health service in the Kuznetsk Basin during the reconstruction period of the national economy (1920-1925) p.20.

- Kanarelkin, K. F. - Sanatorium and health resort treatment of neuroses. p. 12.
- Berdichevskii, M. A. - Some causes of the complications occurring during the residual period of slightly closed cerebrocranial traumas. p. 16.
- Kaplan I. B. - Diagnosis of epidural and subdural hemorrhages in acutely closed cerebrocranial trauma. p. 20.
- Aleksanov, N. S. - Electroencephalographic data in cerebral arachnoiditis. p. 23.
- Grebeniuk, V. I., Zhilniuk, R. I. - Diagnosis of closed abdominal lesions in patients with a brain trauma. p. 26.
- Arbuzov, S. I., Frolov, S. F. - Development of antidote therapy in cyanide poisoning; a review of literature. p. 29.
- Konjaev, B. V. - Thrombogenesis and treatment of thrombosis and embolism. p. 33.
- Kalashnikov, G. G. - Thromboembolism of the pulmonary artery following surgical intervention. p. 38.
- Cherniakov, G. A. - Clinical epidemiological evaluation of the treatment of patients following dysentery and enterocolitis. p. 40.
- Lavrov, I. A. - In the interest of the health of the Soviet soldier. p. 43.
- Kotlubnitskii, N. N. - Postvaccinal reaction in military personnel in the Arctic zone. p. 47.
- Malkin, V. B., Terent'ev, V. G. - Epileptic seizures caused by hypoxemia. p. 49.
- Ivan'kov, E. I. - Medical study of the premises of flight incidences. p. 51.
- Korogodskii, G. M., Kapustin, A. A. - Case of decompression sickness with a severe course. p. 53.
- Kozulin, E. A. - Joint assignment of submarine physicians and medical personnel to the surgical department of a military hospital. p. 54.
- Gieser, G. I. - Experience in the organization of emergency treatment in military hospitals. p. 57.
- Aronov, G. S., Rudchenko, I. P. - Mobile dressing units of a regimental medical station. p. 59.
- Solomina, A. N. - Rare case of combined injury to the anterior paranasal regions of the skull and brain. p. 60.
- TSyvkii, M. V. - Methodology of X-ray examination of the skull in the acute phase of cerebrocranial trauma. p. 61.
- Lobzin, V. S. - Oxygen encephalography in military neuropathological practice. p. 63.
- Varanovskii, I. A. M., Shil'ov, V. G. - Infrared ophthalmologic device. p. 75.
- Karnaikhor, A. K. - Pln for osteosynthesis of ankle fractures. p. 78.
- Pestov, A. E., Prikhod'ko, A. M., Kondrat'ev, I. M. - Medical service of the Black Sea Fleet during the defense and liberation of the heroic city of Sevastopol; on the 20th anniversary of the liberation of Sevastopol. p. 77.
- Perov, O. V. - Criminal activity of fascist physicians during the Great Patriotic War. p. 79.
- Shpikin, A. A. - Some data on the medical service of the United States Navy; based on data from foreign literature. p. 82.
- Hero of Socialist Labor Professor N. N. Elanskii, p. 88.
- Krylov, B. S., Korolev, M. F. - Improving the organization of otorhinolaryngologic service to the armed forces of the U.S.S.R. p. 83.
- Timofeev, N. N. - Hypnopedias. p. 95.
- No. 7, 1964.
- Table of contents translated:
- Scientific conferences of military physicians. p. 3.
- Shraiber, M. I. - Traumatic shock; results of a discussion. p. 7.
- Koleznikov, I. S., Putov, N. V. - Treatment of thoracic injuries under conditions of modern warfare. p. 12.
- Paylov, V. I. - Surgical tactics in penetrating thoracic injuries. p. 18.
- Pokrovskii, G. A. - Experience in the use of polyvinyl in the treatment of traumatic shock. p. 20.
- Ermol'eva, Z. V. - Biologically active substances of natural origin; antibiotics, bacterial polysaccharides, interferon. p. 23.
- Kariuk, S. E. - Some problems in the clinical picture and diagnosis of alimentary toxoinfections, a review of literature. p. 28.
- Ashmarin, I. U. A. - Eczema and eczematoid skin diseases. p. 33.
- Sherashov, S. G., Burenin, P. I., Morozov, V. N. - Barotrauma of the ear following the action of air percussion wave of nuclear explosions; a review of literature. p. 39.
- Zhuk, N. K., Shumaeva, V. F. - Metabolism of water-soluble vitamins under conditions of a hot climate. p. 45.
- Sinit'skii, A. A., Remezov, F. I. - Role of immunity in the control of infectious diseases; a review of literature. p. 48.
- Kantsur, M. I. A., Eija, I. S., Rubnova, Z. I. - Results of the control of blood-sucking insects by means of early spring treatment of reservoirs. p. 52.
- Bazarov, V. G. - Examination of the vestibular apparatus by the method of combined stimulation of its sensory nerve receptors. p. 55.
- Usachev, I. S. - Change in vestibular somatic reflexes in man in relation to the functional state of the cerebral cortex. p. 59.
- Afanasev, B. G., Pluretskii, A. I. - Energy loss in submarine specialists keeping watch during cruise. p. 63.
- Levando, V. A. - Otorhinolaryngological screening of participants in water sports and their supervision. p. 65.
- Shparber, I. A. E., Anlutin, R. G. - Diseases of the internal ear following barotrauma. p. 68.
- Eres'ko, P. I. - Results of treatment of seborrhea and acne vulgaris. p. 70.
- Kotsarev, V. N., Levina, T. A. - Rapid method for determining the sensitivity of microflora to antibiotics and bacteriophages. p. 72.
- Batina, T. I. - Exercise therapy for hypertension patients in a sanatorium. p. 74.
- Itikhin, L. S. - Use of an apparatus for continuous local anesthesia for the purpose of subcutaneous oxygen therapy. p. 83.
- Zatevskii, O. K. - Determination of the intactness of the bone with a modernized phonoendoscope-osteoscope. p. 84.
- Shpikin, A. A. - Some problems of the medical care in the U.S. Navy. p. 85.
- Ivanov, A. P. - Some problems in providing medical and sanitary supplies for the Soviet Army during the defense of Sevastopol. p. 90.
- Utkin, V. V. - Headache; problems of pathogenesis and diagnostic significance. p. 93.
- No. 8, 1964
- Table of contents translated:
- How to further socialist competitions. p. 3.
- Shopen, I. P., Lupinovich, L. S. - An institution of communist labor. p. 9.
- Beier, V. A., Popov, S. E. - Basic principles of hormone therapy; a review of literature. p. 12.
- Sinit'skii, A. A., Remezov, F. I. - Stimulation of the natural resistance of the organism. p. 18.
- Kuleshov, I. U. A. - Transfusion of fibrinolytic blood in radiation lesions. p. 23.
- Celro, S. B., and others. - Direct transfusion of the blood in some hematologic diseases and in the syndrome of acute fibrinolysis. p. 27.
- Agranenko, V. A. - Treatment of patients with blood transfusion complications by the means of hemodialysis. p. 29.
- Markova, O. N., Gudushauri, O. N. - Osteosynthesis in open diaphyseal fractures of the leg. p. 32.
- Pollakov, L. E. - Scientific analysis of the morbidity of military personnel as a basis for the therapeutic and preventive work of military medical services. p. 36.
- Glebov, S. F. - Case history and its significance in military medical expertise. p. 40.
- Baronov, V. A. - Diagnosis of the sequelae of a closed cerebral trauma in military medical expertise. p. 44.
- Utkin, V. V. - Diagnosis and expertise in late sequelae of closed cerebral traumas. p. 48.
- Shpal'serman, M. D., Epshteln, Z. G. - Expertise in psychopathy considering its clinical forms. p. 51.
- Fedorov, A. S. - Military medical expert examination of servicemen with respiratory diseases of non-tuberculous etiology. p. 54.
- Reb, L. M. - Indications for the use of drug-induced exclusion of the accommodation in the practice of military medical expertise. p. 67.
- Vinogradskii, O. V., Viazitskii, P. O. - Use of the Belau apparatus for the examination of the dynamics of gas metabolism in healthy persons. p. 60.
- Gariyev, G. R. - Frequency and causes of recurrent dysentery. p. 63.
- Revsok, I. U. K. - Barofunction of the frontal sinuses in pilots. p. 65.
- Deslatov, A. I. - Medical expertise of flight personnel with Wolff-Parkinson-White syndrome. p. 68.
- Evenshteln, Z. M. - Extent and organization of first-aid service on ships. p. 71.
- Maksimov, G. K. - Chart for the determination of the chemical composition and caloric content of daily rations. p. 78.
- Georgievskii, A. S. - Under the stress of insoluble controversies; on the 50th anniversary of the first world war 1914-1918. p. 82.
- Rostova-Shchors, F. E. - In memory of Nikolai Aleksandrovich Shchors; on the 45th anniversary of his death. p. 89.
- Gladkov, V. M., Malinskii, D. M. - Use of statistical methods in the scientific and practical work of military physicians. p. 94.
- No. 9, 1964.
- Table of contents translated:
- Improving technical supplies of military medical service. p. 3.
- Important tasks of military medical expertise. p. 6.
- Kniazev, K. A. - Importance of affection for people. p. 10.
- Shraiber, M. G. - Problems of wound infection; a review of literature. p. 13.
- Krakovskii, N. I., Grigorian, R. M. - Diagnosis of the disease caused by the ligation of a major extremity artery and its treatment. p. 19.
- Ermolaev, E. A. - Evaluation of hazards of ultrahigh-frequency and X-ray radiations at radar stations. p. 22.
- Pelrov, I. R., Subbota, A. G. - Mechanism of action of ultrahigh-frequency electromagnetic irradiations, a review of literature. p. 26.
- Glebov, S. F. - Possibility of living in particular climatic regions based on the health state of servicemen. p. 32.
- Aznaur'ian, K. S. - Significance of modern surgery for the restoration of hearing in the expert examination of patients with chronic suppurative otitis. p. 35.
- Zybov, A. M., Zybin, K. V. - Diagnosis and expertise of patients with some gastric and duodenal diseases. p. 37.
- Stollarov, M. I. - Final medical expert conclusions in furloughing of servicemen with sequelae of fractures. p. 42.
- Shek, M. P. - Some views on the effect of high temperature of the air on the organism and the prevention of heat-caused lesions in the U.S. Army, a review of literature. p. 45.
- Zhogolev, D. T. - Abundance of mosquitoes in some regions of the Crimean peninsula. p. 47.
- Fediacov, B. P. - Disinfection and disinsection of large buildings with the mobile spraying machine of the Central Scientific Research Institute of Disinfection. p. 49.
- Egorov, V. A. - Changes in the rate of information processing during the formation of habits in the pilot operating the training apparatus. p. 53.
- Malov, I. U. S. - False perceptions of pilots during helicopter flights. p. 58.
- Klitsaevich, G. N. - Incidence of decompression sickness in shallow waters. p. 62.
- Mikhatkevich, M. F., Sharin, V. N., Moschenko, V. A. - Experience in organizing gratuitous blood donation. p. 65.
- Bellaev, B. L. - Work of the blood transfusion section of the military naval hospital. p. 67.
- Chalgarov, A. I. - External biliary fistulae caused by gunshots. p. 69.
- Epova, A. A. - Treatment of obliterative endarteritis and atherosclerosis of the vessels of the lower extremities by subcutaneous injection of oxygen. p. 70.
- Logvinenko, G. L., Pushnov, N. V. - Experience in organizing otorhinolaryngological service to patients under conditions of a military unit. p. 71.
- Trifilov, B. I. - Device for the study of some psychic functions. p. 81.
- Blokhov, V. P. - Stopper attachment and perforated disks for the Seltz apparatus. p. 81.
- Mozzhukhin, A. S. - I. M. Sechenov, founder of physiology in Russia; on the 135th anniversary of his birth. p. 83.
- Pilipenko, D. S. - Medical losses of the Russian army during the first world war. p. 86.
- No. 10, 1964.
- Table of contents translated:
- Victorious flag of the Great October. p. 3.
- Gilenko, M. M. - Honored physicians of the R.S.F.S.R. p. 7.
- Vilunov, G. A., Strahykin, G. M., Konstantinov, K. P. - Commander as the leader of sanitary education and training. p. 9.
- Shlykov, A. A., Novikov, V. S., Dmitriev, B. A. - Role of chief district specialists and leading specialists of garrison hospitals in the direction of scientific and research work of army physicians. p. 11.
- Zakrzhevskii, E. B., Matyshev, V. M. - Clinical aspects of chronic exposure of the human organism to ultrahigh frequency electromagnetic fields; a review of literature. p. 15.
- Kapitanenko, A. M. - Clinical symptoms of disease and therapeutic measures in chronic exposure to ultrahigh frequency radiation fields. p. 16.
- Sherashov, S. G. - "Blinding" and retinal burns caused by nuclear explosions; a review of literature. p. 23.
- Veretianov, I. I. - Some deficiencies in the diagnosis and treatment of emergency cases in internal pathology. p. 27.
- Bocharov, A. A. - Abdominal injuries in the war. p. 32.
- Proshumin, K. T. - Problems of modern compound treatment of tetanus; a review of literature. p. 34.
- TSybulskii, G. N. - Treatment and prevention of tetanus. p. 38.
- Rogozin, I. I. - Immunization in the armed forces and its significance for the prevention and elimination of infectious diseases. p. 44.
- Alekseiev, I. A. I., Kishko, I. A. G. - Fluorescent antibody technique in the detection of tetanus bacilli. p. 47.

- Buznik, I. M. - Energy loss in soldiers during winter tactical exercises. p. 50.
- Arutunov, G. A., Udaltov, I. U. F. - Substantiation of the preventive role of summer nutrition. p. 52.
- Golubev, I. A. - Barofunction of the ear. p. 57.
- German, E. E., Zarakovskii, G. M. - Role of the ship physicians and fleet units in the solution of problems concerning the physiological aspects of the work of navy specialists. p. 60.
- Nechiporenko, P. I., Beder, G. S. - Military medical training of the personnel of a military hospital. p. 63.
- Oslapenko, A. L., Iusov, I. U. I. - Organization of a resuscitation station at a military hospital. p. 65.
- Marakufin, V. S. - Functional loading with nicotinic acid in the diagnosis of some autonomic disorders. p. 66.
- Kordenko, N. F., Aleksandrov, G. I. - Experience in active detection of glaucoma in a garrison. p. 68.
- Volnov, S. V. - Modernization of Ditaikhs' splint. p. 69.
- Georgievskii, A. S. - Combat friendship of Soviet and Yugoslav military physicians during the Great Patriotic War. p. 81.
- Babchinskii, F. V. - Signalling device for the detection of hypoxic conditions and methods for the restoration of the respiratory function. p. 85.
- Efim Ivanovich Smirnov, colonel general of the medical service; on his 80th birthday. p. 89.
- Klementov, A. V. - Subsection of maxillary-facial surgery and stomatology of the Scientific Medical Council at the office of the commander of the Central Military Medical Administration of the Ministry of Defence. p. 94.
- Leonov, I. T. - V. A. Kangelari, a communist, commander and physician. p. 88.
- Shluger, N. A., Mikritcheva, Z. V., Menzhoritskii, A. I. - Cotton viscose gauze of loose weave structure. p. 93.
- Voltskova, M. D. - Privileges for medical personnel living and working in rural areas. p. 94.
- VOPROSY GERONTOLOGII I GERIATRII [PROBLEMS OF GERONTOLOGY AND GERIATRICS]. Issued by Institut gerontologii Akademii meditsinskikh nauk SSSR [Institute of Gerontology of the Academy of Medical Sciences of the U.S.S.R.], Kiev, vol. 4, 1965.
- Table of contents translated:
- Sachuk, N. N. - "Aging" of the population and the prevalence of cardiovascular diseases. p. 5.
- Frol'kis, V. V., and others. - Age-related characteristics of the regulation of blood circulation. p. 16.
- Arshavskii, I. A., Enikeeva, S. I. - Characteristics of ontogenetic changes in the resistance of the heart depending on variations in properties of the neural regulation of its activity. p. 33.
- Muravov, I. V. - Muscular activity, active rest and regulation of blood circulation, respiration and energy metabolism in young and elderly persons. p. 40.
- Lauer, N. V., and others. - Changes in hemodynamics in old age in hypoxia. p. 54.
- Shchegoleva, I. V. - Age-related characteristics of the sensitivity of vascular chemoreceptors to the effect of CO<sub>2</sub> and acetylcholine. p. 60.
- Losev, V. A., Zhukar', I. P. - Some indices of the respiratory function of the blood in animals of various ages. p. 62.
- Stoganova, N. P. - Some characteristics of cardiovascular reactions in experimental hypertension in old animals. p. 67.
- Muravov, I. V., Shchegoleva, I. V., Derkach, N. V. - Blood pressure in persons 80 years of age and older; based on materials of a mass medical screening. p. 72.
- Aleksanova, A. M. - Arterial pressure in miners of the retirement age. p. 80.
- Akhverdov, O. G. - Influence of Baku weather on hemodynamics of practically healthy elderly and senile persons. p. 83.
- Botol'man, R. A., Bulnovich, G. V. - Some changes in the function of the myocardium and lungs rising with the aging. p. 86.
- Sirkisev, K. G. - Some data on the effect of nitroglycerin and thermal stimulants on the capillary blood circulation in elderly and senile persons; preliminary report. p. 91.
- Kolosov, A. V., and others. - Changes in cutaneous vessels caused by chemical stimulants in elderly and senile persons under the effect of treatment with generally stimulating substances. p. 94.
- Gavrilin, L. V. - Some changes in the cardiovascular system in elderly persons under conditions of high temperature of the air. p. 99.
- Frol'kis, V. V., Bogatskaya, L. N. - Age-related characteristics of the regulation of energy metabolism processes in the heart. p. 104.
- Verkhovskii, N. S. - Age-related characteristics of adrenaline and noradrenaline oxidation in the heart of white rats under the action of monoamine oxidase. p. 117.
- Bogatskaya, L. N., Verzhikovskaya, N. V. - Comparative characteristics of the intensity of tissue respiration of the myocardium and liver in white rats of various age periods. p. 121.
- Pashkova, A. A. - Problem of age-related characteristics of bioenergetics of the myocardium. p. 125.
- Skuba, N. D. - Age-related aspects of quantitative changes in deoxyribonucleic acid under conditions of reparative regeneration of the myocardium. p. 130.
- Kozhura, I. M. - Content of cholesterol, lecithin, protein and lipoprotein fractions in the blood plasma of rabbits of various ages. p. 135.
- Strizhova-Salova, N. I. - Effect of strophanthol on the heart of old animals. p. 141.
- Migunova, D. K. - Effectiveness of small doses of reserpine and aminazine in old age. p. 146.
- Tynysbekov, A. T. - Some age-related characteristics of hemodynamics in the residents of the Tien Shan (2000 - 2400 m). p. 153.
- Chebolarev, D. F., and others. - Some data on atherosclerotic cardiosclerosis in very old persons. p. 159.
- Sozhenkova, E. I. - Effect of the character of work on lesions of the cardiovascular system in persons of 80 years of age and older. p. 166.
- Zelinskii, A. N. - Need of senile and very old persons of basic medical aid. p. 172.
- Sichina, G. N. - Characteristics of the manifestation and course of some diseases of the cardiovascular system in very old persons. p. 176.
- Korkushko, O. V., and others. - Some characteristics of the clinical aspects and treatment of the acute period of myocardial infarct in elderly and senile persons. p. 179.
- Kolosov, D. Z., Kurilenko, I. S. - Prevention of vascular crises in elderly age. p. 185.
- Mints, A. A. - Some characteristics of the development and course of atherosclerotic lesions of the brain in elderly and senile age. p. 189.
- Belonog, R. P. - Electroencephalogram under normal conditions and in cerebral atherosclerosis in elderly and senile persons. p. 196.
- Butkevich, G. A. - Characteristics of hemodynamics in elderly and senile persons with normal and increased arterial pressure. p. 202.
- Shvidchenko, L. G. - Examination of the content of lipids in the blood of elderly and senile persons. p. 203.
- Kalnovskaya, E. G., Vasil'eva, R. V. - Some data on the study of the functional state of the kidneys in elderly and senile persons with moderate clinical manifestations of general atherosclerosis; preliminary report. p. 213.
- Tolar', A. V. - Study on the effect of octatenin on the tonus of the large arteries in hypertension patients depending on age. p. 217.
- Becker, V. I. - Androgenous and glucocorticoid function of the adrenal cortex in the process of aging. p. 221.
- Molotov, V. I. - Some data on the state of supplying elderly and senile persons with thiamine and riboflavin. p. 225.
- Paikhotik, I. I. - Course of some physiological and biochemical processes in denervated muscles in old animals during various stages of reinnervation. p. 230.
- Kal'chevskaya, R. I. - Changes in the content and reactivity ability of some sulphhydryl groups of d-amino acid oxydase of the liver in rats depending on the age and season. p. 235.
- Zhukovskii, L. I., Kurchagina, K. B. - State of the cardiovascular system in tuberculosis patients of elderly and senile age. p. 240.
- Titarenko, M. P., Baraz, S. E. - Age-related characteristics of vasomotor reactions during ultraviolet irradiation. p. 244.
- Shovchuk, V. G. - Some characteristics of the effect of adrenaline and insulin on the sugar level in the blood in animals of various ages. p. 247.
- ZDRAVOOKHRANENIE [HEALTH SERVICE]. Organ of Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol. 7, no. 6, Nov.-Dec. 1964.
- Table of contents translated:
- Sedykin, K. G. - Personnel of the medical institutions of the Moldavian S.S.R. in the struggle for a communist attitude to work. p. 3.
- Gekhtman, M. A., Gol'dberg, I. D. - Dispensary service to the urban and rural population of the Moldavian S.S.R. and its needs. p. 6.
- Pavlati, G. A., Garabazhiu, I. E., Tsvanex, I. A. P. - Materials on the study of the epidemiology of toxoplasmosis among the workers of livestock farms in the northern regions of Moldavia. p. 11.
- Rud', G. G. - Toxicological characteristics of 1,2-dibromo-3-chloropropane. p. 15.
- Anestiladi, N. Kh. - Functional changes in patients in the nearest postoperative period following a lung resection. p. 20.
- Spyun, A. V. - Role of volemic indicators in preparing patients with lung diseases for surgery. p. 23.
- Sorochan, G. I. - Injury of the common peroneal nerve in fractures and dislocations. p. 27.
- Cheban, P. I. - Technique of tibiofibular synostosis in amputation of the leg; a preliminary report. p. 30.
- Gutsan, A. E. - Osteosynthesis of the lower jaw with structures from a goat or ram horn and a thread from heterogenic peritoneum. p. 32.
- Polukhov, S. M. - Ganglionic block in chest operations and its effect on some hemodynamic indices. p. 36.
- Ianov, E. T. - Endotracheal anesthesia (and reanimation) in operations on patients with bone tuberculosis. p. 41.
- Fetisov, N. V. - Skin grafting by V. P. Filatov's method in restorative surgery on the nose. p. 46.
- Matkovskii, K. L. - Antispastic effect of novocaine, xylocaine and trimecaine. p. 49.
- Kreshchenko, A. R. - Clinical characteristics of erysipelas. p. 53.
- Mikhlin, V. M. - Methodology of pneumoencephalography. p. 58.
- Isak, O. F. - Results of the work of nurses of the Republic Clinical Hospital using the two-stage system of serving patients. p. 59.
- Vel'tser, M. I. - Results of the work of the therapeutic department of the Republic Clinical Hospital using the two-stage system of serving patients. p. 60.
- ZDRAVOOKHRANENIE BELORUSSII [HEALTH SERVICE OF WHITE RUSSIA]. Organ of Ministerstvo zdravookhraneniia BSSR [Ministry of Health of the White Russian S.S.R.]. Minsk, vol. 11, no. 5, May 1965.

# ZDRAVOOKHRANENIE ROSSISKOI FEDERATSII

[HEALTH SERVICE OF THE RUSSIAN FEDERATION].

Issued by Ministerstvo zdavookhraneniia RSFSR

[Ministry of Health of the R.S.F.S.R.]. Moscow,

vol. 9, no. 3, Mar. 1965.

Table of contents translated:

- Mathushin, I. F., Izutkin, A. M. - Communist education of future physicians. p. 3.
- Iurkevich, A. A., Mathukhin, N. A. - Some problems in studying the incidence of disease with temporary incapacity in relation to working conditions. p. 7.
- Rybnishkii, G. A. - Groups of patients at health resorts of the Caucasian Mineral Waters region and the extent of the therapeutic and diagnostic services rendered them, a selective study. p. 11.
- Belala, K. A., Likhachev, A. A., Lifanova, V. D. - Frequency of diagnostic errors based on materials of the Kemerovo Provincial Hospital. p. 17.
- Rimlina, G. I. A. - Distribution of diseases of female sex organs, pathology during pregnancy, delivery and the postnatal period, based on data of visits to physicians. p. 20.
- Pokrovskaya, L. N. - Classification of patients with rheumatic fever treated at the dispensary. p. 25.
- Drobinina, T. A., Naumovich, E. G. - Results of the work in health education in Kuybyshev. p. 27.
- Khalik, M. Z. - Selection of patients for health resort treatment. p. 28.
- Golishvaya, M. G., Levit, I. D. - Results of the training of physicians specializing in endocrinology at local institutions. p. 31.
- Zvonarev, M. A. - Results of organizing the work in the therapeutic sections and the registration office according to the team method. p. 32.
- Kurbakova, R. A. - Results of organizing extracurricular independent work of students. p. 34.
- Bereznev, V. I. A. - Role of the Socialist Medical Association of Great Britain in the establishment and consolidation of the state public health service system in the country. p. 36.
- Belitskaya, E. I. A., Shernakov, M. A. - Method of studying the physical development of the adult population. p. 40.
- Golub, V. O. - Review of the book Medical service for children. p. 45.
- Brzhevskii, V. Ch. - Review of B. M. Khromov's book "Surgical aid to outpatients in polyclinics." p. 46.
- Alekseev, I. A. A. - In the Board of the Ministry of Health of the R. S. F. S. R., concerning the work of the Kazan Scientific Research Institute of Traumatology and Orthopedics. p. 47.

\*ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOLOGII [JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOLOGY]. Issued by Ministerstvo zdavookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 41, no. 10, Oct. 1964.

Table of contents translated:

- Gubina, E. A., Chernysheva, M. I. - Study of immunogenesis in vaccination with live associated vaccine. Report No. 1: Study of immunogenesis in guinea pigs vaccinated with brucellosis and anthrax vaccines. p. 3.
- Khat, L. M., and others. - Further study of the hypothalamus area in the regulation of the immunogenesis process. p. 7.
- Lisunkina, I. K. - Possibility of antibody formation in the transplantation of cells of the reticuloendothelial system into an animal organism. p. 12.
- Khokhlov, D. T. - Effect of streptomycin on the efficacy of experimental immunization with live vaccines. Report No. 2: Introduction of streptomycin during immunization with tularemia vaccine. p. 17.
- Zhitova, E. I., Kudrashaeva, K. I. - Effect of cortisone in experimental typhoid fever infection in mice. p. 22.
- Protasova, O. V. - Effect of gamma irradiation on the anaphylactic reaction in guinea pigs. p. 27.
- Bollae, E. I. - Study of the cytotoxic effect of staphylococcus toxin on tissue culture. Report No. 1: Selection of a tissue culture most sensitive to the effect of staphylococcus toxin. p. 32.
- Smirnova, M. N. - Antigen composition of streptococcal antigen. p. 37.
- Sivatsman, I. A. T. S., Karpov, M. K., Zuev, A. E. - Immunological reactions of isolated cells. Report No. 1: Antibody synthesis by single cells isolated from animals immunized with two antigens. p. 43.
- Abinder, A. A. - Effect of electrical stimulation of the anterior portion of the hypothalamus on the reconstruction of the immunogenic reactivity of the organism. p. 47.
- Petrosova, V. N., Stanislavskii, E. S. - Immunological study of isolated cellular structures of *Shimonella typhi*. p. 50.
- Bogolavskaya, L. B. - Microscopic study of the agglutination reaction with various bacterial antigens. p. 56.
- Zhaliko-Tlitsenko, B. P. - Experimental study of polydispersed bacterial aerosols. Report No. 1: Theory of the method of determining the survival of micro-organisms in polydispersed aerosol. p. 61.

- Adamov, A. K., Bulatova, T. I., Shvarts, A. G. - Use of antitubulin allzarc suspension agglutinins for a rapid detection of botulinus pathogens. p. 66.
- Braude, N. I. - Role of opsonizing factors in the phagocytosis of *Brucella* by macrophages. p. 71.
- Lizgunova, A. V. - Correlation of the indices of immunological changes in the animal organism under the effect of immunization with staphylococcal and diphtheria antitoxins. Report No. 2. p. 77.
- Nazirov, M. R., Abukhanova, B. N. - Possibility of the dependence of Wright's reaction on the blood serum proteins. p. 80.
- Levina, E. N., Kats, L. N. - Antigenic structure of the vaccinal strain of *Bacillus anthracis*. p. 85.
- Koptelova, E. I., Pokrovskii, V. I. - Experimental meningitis in rabbits caused by L-form streptococci. p. 90.
- Stepnikskaya, V. M., and others. - Natural foci of tularemia on the territory of the Ukrainian S. S. R. p. 94.
- Maitalova, Z. E., Egorova, V. D. - Study of the virulence of the plague microbe and production of live plague vaccines. Report No. 3: Chemical composition of plague microbes of various virulence. p. 98.
- Shemetev, N. N. - Dynamics of the isolation of poliomyelitis vaccine strains from flies following vaccination. p. 102.
- Perashin, B. B. - Enteral immunization against typhoid fever. Report No. 2: Effectiveness of enteral immunization with chemical Vi- and O-antigens. p. 107.
- Khazanova, L. E. - Bacteriological properties of blood sera in typhoid and paratyphoid fever. p. 111.
- Strotyuk, L. V. - Biological properties of tularemia vaccine strains produced by the Scientific Research Institute for Epidemiology and Hygiene. p. 116.
- Golshanova, E. N. - Domestic animals as the origin of leptospirosis in Daghestan. p. 120.
- Fatkhiev, M. M. - Effectiveness of the immunization with live plague vaccine through scarified skin. p. 125.
- Burov, A. I., Kritskaya, Z. T. - Carrier state of leptospirosis in brown rats in Odessa. p. 131.
- Bakhrakh, E. E., Egorova, V. D., Denisova, E. P. - Distribution of protein and polysaccharide in the cells of the plague microbe grown at 28 - 37°. p. 135.
- Stepanova, Z. N. - Experience in the work of the Tula Sanitation and Epidemiological Station in decreasing diphtheria incidence. p. 140.
- Dentsov, K. A., Lapin, N. N. - Epidemiological characteristics of an outbreak of Coxsackie virus infection. p. 141.
- Mergol'd, D. P. - Brucellar lesions of the spine and the sacroiliac joint under conditions of sensitization with a specific antigen. p. 142.
- Tukhan, P. T., Popova, A. A. - Globulin immunization of schoolchildren to prevent infectious hepatitis. Report No. 1: Reactions following the introduction of gamma globulin. p. 143.
- Chetsova, V. M. - Characteristics of the pathogens of prolonged recurrent and chronic pneumonias in infants. p. 144.
- Shirayeva, V. N., Kashkova, A. K. - Seawater vibrios in the harbor of Odessa. p. 145.
- Pletsitskiy, D. F. - Is the problem of the antibody accumulation rate following revaccination fully clarified? (Concerning F. A. Chertkova and S. K. Sokolov's article "Reply to D. F. Pletsitskiy"). p. 146.
- Savrova, V. S. - Distinguished epidemiologist and hygienist of the 19th century; on the centenary of R. S. Chetyrkin's death. p. 151.

Vol. 41, no. 11, Nov. 1964.

Table of contents translated:

- Adamov, A. K. - Properties of antibodies fixed on particles and aspects of their use in microbiology. Report No. 5. p. 3.
- Kositskaya, A. D., Gusevskaya, I. L. - Study of the reaction of completed phagocytosis in children with dysentery. p. 8.
- Poplavskaya, E. A., Rzhabinin, S. N., Bugrova, V. P. - Use of indicator discs with antibiotics on Ploskirev's medium for the increase of the growth rate of dysentery bacilli. p. 12.
- Danilova, T. A., Korn, M. I. A. - Possibility of elimination of cross reactions between streptococci of various groups and staphylococci in using the fluorescent antibodies method. p. 13.
- Leont'eva, N. F. - Effect of the breed of mice on the variability of the results in experimental virulence determination of typhoid fever bacteria. p. 16.
- Shmeleva, E. I., Zakharova, M. S. - Study of the interaction of *Hemophilus pertussis* and *Hemophilus parapatensis* with tissue cultures. Report No. 1: Comparative sensitivity of various tissues to *Hemophilus pertussis* and *Hemophilus parapatensis*. p. 18.
- Dulaiskaya, R. G., Fedorova, N. I. - Study of the phenomenon of phase variability of *Rickettsia burnetii* using the agglutination reaction. p. 24.
- Korol', A. G. - Cultures similar to *Brucella*, isolated from micelike steppe rodents. p. 27.

Ginzaid, M. I., and others. - Content of pathogenic staphylococci in the feces of children with intestinal diseases. p. 31.

- Lents, M. N., Lents, E. K., Miav'lan, I. A. - Experimental study of transplacental transmission of tetanus antitoxin. p. 36.
- Polikar, A. Ch., Apanshenko, N. I. - Immunological study of purified diphtheria antitoxin. p. 40.
- Kiselev, P. N., Karpova, E. V. - Role of the sulfhydryl (SH) groups of proteins in the block and the fixation of the complement. p. 43.
- Elkin, I. I., Iashkul', V. K. - Basic problems of epidemiological geography. Report No. 2: Conception of nosological areas. p. 48.
- Sokolov, B. V., Vol'f, L. A., Maikovskiy, A. V. - Antibacterial effect of polyvinyl alcohol fibers containing specific chemical groups. p. 54.
- Subbotina, I. U. L. - Antigen structure of the *Escherichia coli* strain M-47. p. 58.
- Vlodavets, V. V. - Possibility of using *Bacterium prodigiosum* as an experimental model of bacterial aerosol. p. 65.
- Rozenberg, A. M. - Comparative evaluation of BCG substrains in experiment on white mice. p. 68.
- Maslova, E. B., Trubina, V. I. - Lysogenicity of the paratyphoid fever A and B bacteria. p. 73.
- Pomanskaya, L. A. - Dissociation of *Listeria*. p. 79.
- Likhoded, V. G., Kudlai, D. G., Golubeva, I. V. - Sensitivity of pathogenic and banal *Escherichia coli* to various types of colicins. p. 85.
- Dorozhkova, I. R. - Phagotyping of staphylococci isolated from tuberculous patients and medical personnel. p. 90.
- Orzuev, M. I., Matveev, K. I. - Distribution of tetanus pathogen in the soil of Tajikistan, Uzbekistan and Moldavia. p. 94.
- Illutovich, A. I. U., Raikis, B. N., Labetskii, I. I. - Characteristics of immunity in guinea pigs irradiated following vaccination with sorbed tetanus antitoxin. p. 99.
- Fuks, I. M., and others. - Study on the possibility of reducing the diphtheria vaccine dose in revaccination of 9 to 12 year-old schoolchildren. p. 103.
- Suponitskaya, V. M. - Bactericidal factors of the blood serum. Report No. 1: Bactericidal factors of the serum of normal animals and healthy persons. p. 107.
- Paktoiis, E. A., Podsedlovskii, T. S. - Experience in mass prevention of epidemic hepatitis in the Lithuanian S. S. R. using  $\gamma$ -globulin. Report No. 1: Duration of the preventive activity of  $\gamma$ -globulin in epidemic hepatitis. p. 112.
- Babalova, E. G. - Q fever in some areas of the Georgian S. S. R. p. 117.
- Khushtaleva, L. A. - Characteristics of salmonellosis in Paim. p. 122.
- Privalov, A. F., Bessonova, M. A., Zolotarevskaya, N. N. - Phagotype picture of typhoid fever cultures from the Crimea Province from 1960 to 1962. p. 125.
- Aleksandrov, N. I., and others. - Immunological activity of lymphoid organs in aerosol and subcutaneous immunization against typhoid fever. p. 128.
- Fedorova, T. N., Sizemova, G. A. - Occurrence of Omsk hemorrhagic fever in man and muskrats in the winter period. p. 134.
- Rubtsov, N. S. - Complications connected with smallpox vaccination. p. 136.
- Authors' abstracts. p. 138.
- Annotations. p. 144.
- Grekova, A. I., Aramova, A. G. - New method of restoring the agglutination ability of nonagglutinating dysentery cultures. p. 147.
- Kramchankov, N. F. - Materials on the history of studying infectious hepatitis in Russia (concerning I. V. Protasov's work "Biliary suppurative fever" published in 1792). p. 149.

Vol. 42, no. 4, Apr. 1965

Table of contents translated:

- Rudnev, G. P. - Problems of the clinical aspects of infectious diseases at the 14th All-Union Congress of Microbiologists, Epidemiologists and Infectious Disease Specialists (June 29 - July 4, 1964). p. 3.
- Somov, G. P. - Study of the role of murine rodents as an infection source in tick-borne rickettsiosis of the northern part of Asia. p. 6.
- Khveshchenko, E. N., and others. - Detection of tularemia in Maritime Territory. p. 12.
- Baranovskii, L. M., and others. - Epidemiology of tularemia in Semipalatinsk Province. p. 14.
- Brikman, D. I. - Probability of tularemia infections in man in a focus of floodplain type. p. 18.
- Uglov, G. P., and others. - Experience in detecting natural foci of tularemia on the territory of the Chuvash A. S. S. R. p. 21.
- Zaitsev, A. A., Popova, E. V., Pokrovskaya, E. V. - Determination of spontaneous carrier state of tularemia pathogen in the tick *Hirshionyssus musculi* Johnston. p. 25.



- Prizadkina, M.D., Gavrilchenko, V.I., Chernova, E.A. - Study of pest-allergen produced by the Tarasevich State Control Institute on animals and volunteers. Report No. 2. p. 27.
- Basova, N.N., Gerasimuk, L.G., Tinker, I.S. - Serological indices of the immunogenicity of live plague vaccine under experimental conditions. p. 33.
- Klassovskii, N.L., Osadchaja, L.M., Petrov, V.S. - Problems of the ecology of plague and pseudotuberculosis microbes. Report No. 1: Carbohydrate and nitrogen nutrition of the rodent pseudotuberculosis pathogen. p. 37.
- Lukin, E.P., and others. - Immunological properties of a soluble Rickettsia prowazekii antigen. Report No. 1: Antigenic structure of Rickettsia prowazekii based on data of chromatographic analysis on diethylaminoethyl cellulose. p. 41.
- Chasovnikova, G.S. - Complement fixation reaction with Rickettsia antigens in various age groups of the population. p. 47.
- Karakulov, I.K. - Basic results of the study of Q fever epidemiology in Kazakhstan. p. 53.
- Samedov, A.S., Akhmedova, T.M., Kosideeva, S.G. - Isolation of antigens from leptospira destroyed by ultrasonics. p. 57.
- Semenova, L.P., Soloshenko, I.S., Anan'in, V.V. - Leptospira of the Hebdomadis group. Report No. 3: Detection of the subtype Leptospira sejroe balcanica in the Soviet Union. p. 61.
- Karasaeva, E.V., Anan'in, V.V., Aguzarova, M.Kh. - Experience in reducing the activity of a natural focus of leptospirosis. p. 65.
- Rostomian, S.V. - Antagonistic correlations between Leptospira of various serologic types. p. 69.
- Illutovich, A.I., and others. - Immunochemical study of tetanus culture filtrates in the process of detoxication. p. 73.
- Mesalkin, G.I. - Some data on anthrax in Krasnoyarsk Territory. p. 78.
- Chubukov, B.F., Tatarinova, S.G. - Induction of r- and h-mutations in the treatment of the extracellularly increased sensitivity of immediate type by the lymphoid cells. p. 105.
- Ivanov, A.I. - Experience in the use of immunoelectrophoresis in agar for the clarification of the role of individual blood serum protein fractions and formation of antibodies in typhoid fever and dysentery. p. 111.
- Kazantsev, A.P. - Effect of concomitant cholecystocholangitis on immunological reactions in typhoid fever patients. p. 112.
- Krasikina, N.A., and others. - Passive hemagglutination reaction with chemical preparations of O and VI-antigens to Salmonella typhi in the diagnosis of typhoid fever and carrier state. p. 116.
- Nefedeva, N.P., and others. - Lyophilization of type-specific staphylococcus phages. p. 121.
- Far T-2 phage with hydroxylamine and  $\alpha$ -methylhydroxylamine. p. 80.
- Mikhailov, I.F. - Specific inhibition of immunofluorescence; a two-stage blocking test. p. 84.
- Balandin, G.A. - Use of safranin for the species differentiation of Brucella. p. 89.
- Grekova, N.A., Gubina, E.A. - Course of brucellosis in guinea pigs infected by brucella isolated from reindeer. p. 92.
- Klimenkova, A.A., Frlazhina, I.B. - Immunogenesis and cellular reaction of the lymphatic nodes in Chyppylaminosis. p. 96.
- Bunin, K.V., Modinaeva, N.S. - Dynamics of antibody formation in typhoid fever based on data of the hemagglutination reaction. p. 102.
- Tumanian, M.A., Protasova, O.V. - Transfer of immunoprecipitate. p. 147.
- Sorokina, A.V. - I.I. Mechnikov and the sanitary organization of Kherson. p. 148.
- Paikin, B.N. - History of infectious disease control in Western Siberia in the 18th and the first half of the 19th century. p. 151.
- Novikova, O.M., Saitarov, I.S., Bollaev, L.A. - Epidemiological and clinical characteristics of pertussis-like diseases caused by Bordetella parapertussis. p. 128.
- Rosenberg, A.M., Plearenko, N.N. - Golden hamster as an experimental model for the study of tuberculosis and antituberculosis vaccination. p. 131.
- Samsonova, V.S., and others. - Dynamics of the changes in the oxidation-reduction potential (rH<sub>2</sub>) and morphology of Clostridium perfringens culture in the process of toxin formation on semisynthetic nutrient medium. p. 137.
- Solov'ev, V.N., Chumachenko, N.V., Sokolova, E.M. - Study of the nature of the basic bactericidal factors of purulent aseptic exudate in white rats. p. 142.
- Anokhin, I.I. - Distribution of nephrosonephritis in b. GYNECOLOGY, OBSTETRICS & PEDIATRICS
- AKUSHERSTVO I GINEKOLOGIA [OBSTETRICS AND GYNECOLOGY]. Published by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 40, no. 5, Sep.-Oct. 1964.
- Table of contents translated:
- Perglanirov, L.S. - Anesthesia in cesarean section. p. 3.
- Slepikh, A.S. - Current indications for abdominal management of labor. p. 11.
- Federmesser, K.M., Leparskii, E.A. - Intubation anesthesia in cesarean section in women with severe cardiovascular pathology. p. 17.
- Bodlazhina, V.I. - Effect of medicinal substances on the fetus. p. 22.
- Bakshiev, N.S., Mikhailenko, E.T. - Effect of estrogens and calcium ions on the state of the acetylcholinesterase and carbohydrate-phosphorus metabolism in the uterus. p. 28.
- Bekker, S.M. - Uterine inertia and the intrauterine fetus. p. 35.
- Kuznetsova, A.D., Rubel', A.A. - Creatinuria in labor atonia, one of the abnormal labor forms. p. 38.
- Moroz, T.N. - Intravenous administration of oxytocin for the induction and stimulation of labor. p. 41.
- Naldanova, N.P. - Stimulation of the contractile activity of the uterus with spherophytine. p. 46.
- Vartapetova, V.G. - Spiral vessels of the placenta. p. 52.
- Topcheva, O.I., Zhemkova, Z.P. - Characteristics of the structure of the human placenta in prolonged pregnancy. p. 54.
- Iur'eva, E.M., Lettan, V.I., Balanchuk, V.K. - Biochemical and histochemical research on placental proteins in late pregnancy toxemia. p. 57.
- Benediktov, I.I., Shevchenko, A.M. - Characteristics of the course of late toxemia in pregnant women with hypertension. p. 61.
- Belov, N.P. - Vessels of the fundus oculi in pregnancy nephropathy based on photocalorimetric data. p. 65.
- Kolomelchuk, L.V. - Changes in kidney function in late pregnancy toxemias. p. 69.
- Barkhatov, T.P. - Pregnancy and labor in patients with congenital microspherocytic hemolytic anemia. p. 72.
- Sharkalev, I., and others. - Massive medicinal prevention of hemorrhages during the placental period. p. 76.
- Bartel's, A.V., Grashchenko, Z.P. - Prevention of severe puerperal infection. p. 80.
- Lutsenko, D.A. - Prevention of puerperal infection. p. 86.
- Starukh, R.M. - Antenatal prevention of staphylococcal infection. p. 87.
- Teokharov, B.A. - Treatment of urogenital trichomoniasis. p. 89.
- Petru, M., Syrovatka, A., Vojtechovská, M. - Treatment of urogenital trichomoniasis with flagyl. p. 93.
- Teras, J., and others. - Effectiveness of metronidazole (flagyl) treatment of urogenital trichomoniasis. p. 98.
- Apetov, S.A. - Relation between the thyroid gland and the ovaries; a review of literature. p. 98.
- Borisova, I.U.F. - Sexual development of schoolgirls in Moscow. p. 105.
- Alekseev, V.A. - Study of the blood coagulative and anticoagulative systems of the blood in parturients and puerperants. p. 110.
- Pashalova, I.U.A. - Importance of organic heart diseases in the outcome of pregnancy and labor complicated by obstetric pathology. p. 114.
- Ivanova, L.I. - Clinical experimental data on the contraceptive properties of ascorbic acid. p. 118.
- Bibloshvili, Z.A. - Study of the generative function and structural changes in rabbit ovaries in experimental toxoplasmosis. p. 122.
- Golota, V.A. - Neurogenic essential pruritus of the external genitalia. p. 128.
- Georgi, N.A. - Aminazine therapy of climacteric neurosis patients. p. 129.
- Syrkhi, E.V. - Study of erythropoiesis in uterine myoma patients. p. 134.
- Malinkovskii, N.M. - Medical bibliography in the scientific and practical work of an obstetrician-gynecologist. p. 140.
- Verlinskai, D.K., Ponomarenko, A.M., Shereshevsky-Turner syndrome as a chromosomal disease. p. 146.
- Slunova, Z.S., Kochura, G.M., Kras'ko, N.D. - Analysis of stillbirths based on data of the Obstetrical Clinical of the Leningrad Pediatric Medical Institute. p. 148.
- Neka, N.A. - Course of pregnancy and labor in women with goiter based on data of the Dudinka Maternity Home of Krasnoyarsk Territory, Taimyr National Area. p. 150.
- Grubnik, V.M., Grubnik, T.V. - Experience in potentiated ether-oxygen anesthesia during obstetric and gynecological operations in a rural district hospital. p. 151.
- Dobrovolskii, L.A. - Changes in the sex cycle and the dynamics of radioactive phosphorus ( $P^{32}$ ) concentration in the ovaries following repeated entering of small quantities of the isotope into the body; experimental research. p. 153.
- Bokhman, I.A., Tsvet, S.M. - Carcinosarcoma of the corpus uteri developing six years after radiotherapy of cancer of the cervix uteri. p. 155. (DNLM)
- PEDIATRIA, AKUSHERSTVO I GINEKOLOGIA [PEDIATRICS, OBSTETRICS, AND GYNECOLOGY]. Organ of Ministerstvo zdravookhraneniya URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 28, no. 6, Nov.-Dec. 1964. (DNLM)
- VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MOTHER AND CHILD CARE]. Issued by Ministerstvo zdravookhraneniya RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 10, no. 5, May 1965.
- c. NEUROLOGY & PSYCHIATRY
- VOPROSY KLINIČESKOJ PATOGENEZY I LEČENIJA SINDROMOV [PROBLEMS IN THE CLINICAL ASPECTS, PATHOGENESIS, AND TREATMENT OF SYNDROMES]. Issued by Gosudarstvennyi nauchno-issledovatel'skii institut psikiatrii i Moskovskoe nauchnoe obshchestvo nevroptologov i psikiatrov [State Scientific Research Institute of Psychiatry and the Moscow Scientific Society of Neuropathologists and Psychiatrists]. Moscow, no. 1, 1964.
- Table of contents translated:
- Aleksandrovskii, I.U.A. - Clinical characteristics of schizophrenia patients resistant to haloperidol treatment. p. 5.
- Balashova, L.N. - Characteristics of the higher nervous activity in schizophrenia patients in a stage of remission. p. 9.
- Baranov, V.F., Khrokov, P.A. - Problem of "adaptation" of schizophrenia patients to aminazine. p. 13.
- Boikin, A.I., Lakhonina, M.V. - Effect of therapeutic doses of aminazine on the action of gonadotropic hormones; preliminary report. p. 16.
- Vokresenskaja, A.N. - Stelazine treatment of paraphrenic states. p. 19.
- Gladin, A.P. - Organization of dispensary service for mental patients in an industrial city and some problems of the hospitalization of schizophrenia patients. p. 23.
- Gromova, V.V. - Treatment of depressive states with parnal (transamine). p. 26.
- Grosman, A.V. - Clinical aspects of psychopathologic manifestations during the course of schizophrenia in the light of the problems of social and work re-adaptation. p. 30.
- Gurovich, I.A. - Treatment of neurologic side manifestations appearing following the administration of neuroleptics. p. 34.
- Danilova, M.B. - Clinical aspects and treatment of schizophrenia patients with the obsession syndrome. p. 38.
- Pomenova, N.F. - Clinical characteristics of schizophrenia originated in connection with psychogenia. p. 41.
- Egorov, V.A. - Diverse variations of periodical schizophrenia and their relations to aminazine therapy. p. 44.
- Enikseev, D.G. - Comparative study of the effectiveness of aminazine and insulin treatment of the paranoid form of schizophrenia. p. 48.
- Kandaurova, I.U.M. - Influence of a series of neuroleptic substances on the sensitivity of mice to the spasmolytic effect of corazolo. p. 50.
- Kazanova, E.F. - Comparative effectiveness of aminazine and insulin treatment based on data of a late catamnestic. p. 53.
- Kel'man, E.G. - Slight transitory dimming of consciousness in prolonged treatment with neuroleptic substances. p. 56.
- Kirakosov, I.U.V. - Analysis of erroneous diagnoses of the initial periods of schizophrenia. p. 59.
- Kirakosov, I.U.V. - Typology and clinical aspects of the initial periods of schizophrenia. p. 63.
- Klimushcheva, T.A. - Clinical characteristics of the Kandinskii-Clerambault syndrome in the paranoid form of schizophrenia. p. 67.
- Kogan, R.D., Kyrikadze, V.V., Tabakh, R.I.A. - Study of the antimicrobial properties of stelazine. p. 70.
- Koroleva, E.N. - Course of the common form of schizophrenia. p. 72.
- Kostikova, V.V. - Characteristics of disorders in the intellectual activity of schizophrenia patients with psychopathologic manifestations in the picture of the disease and the defect. p. 75.
- Kuznetsov, O.N. - Unusual side effects of thiorazine treatment similar to psychic disorders in epidemic encephalitis. p. 78.
- Kurapova, G.M. - Correlation between the characteristics of the clinical picture and the immunobiological indices of the reactivity of the organism in the catatonic form of schizophrenia. p. 81.
- Lapshin, V.N. - Problem of the dynamics of gas exchange in schizophrenia patients during the process of treatment with prolonged absolute alimentary starvation. p. 85.
- Lopatin, A.S. - Some indices in favor of intravenous infusion of aminazine in schizophrenia patients. p. 88.



- Magalif, A. I. - Preliminary data concerning the use of some correctors in psychopharmacological practice. p. 91.
- Makulova, E. L. - Clinical aspects and treatment of schizophrenia originating in connection with influenza. p. 94.
- Makulova, E. L. - Course of schizophrenia originating following influenza according to catamnestic data. p. 97.
- Meleroich, V. I. - Clinical characteristics of paranoid schizophrenia with a comparatively early origin of the process. p. 99.
- Morozova, N. V. - Problem of early diagnosis of manic catatonia. p. 102.
- Mukharlamova, F. G. - Effect of aminazine on the course of the paranoid form of schizophrenia with expressed elements of periodicity and circularity in the clinical picture and course. p. 105.
- Petrochenkov, P. G. - Piezographic examination of ocular pulse in schizophrenia patients following aminazine treatment. p. 108.
- Petrochenkov, P. G. - Functional disorders in the cerebral blood circulation in schizophrenia patients. p. 112.
- Poltakova, N. B. - Effect of small doses of stelazine on the behavior of young animals. p. 116.
- Ruzhanskii, M. I. - Mazheptil treatment of unfavorably developing forms of schizophrenia. p. 118.
- Ruzhanskii, M. I. - Side effects originating during mazheptil therapy and their treatment and prevention. p. 121.
- Savitskaya, A. B. - Results of using nicotinic acid in schizophrenia patients with speech disorders. p. 123.
- Smirnov, R. D. - Clinical variations of the paraphrenic syndrome in schizophrenia. p. 128.
- Slashchuk, M. D. - Clinical aspects and treatment of late schizophrenia. p. 131.
- Sultanov, G. A. - Socially dangerous actions of schizophrenia patients with a leading hypochondriac syndrome. p. 135.
- Tepentitsyna, T. I. - Psychological analysis of pathological reasoning. p. 138.
- Urakov, I. G. - Types of psychic disorders in slowly developing schizophrenia in relation to the problems of social readaptation. p. 140.
- Frishberg, A. N. - Comparative study of the formation of remissions in the paranoid form of schizophrenia in the process of treatment with aminazine and insulin. p. 145.
- Kimlevskii, D. L. - Dynamics of some somatic indices in the process of treating mental patients with stelazine. p. 149.
- Effendrieva, L. G. - Correlation of the so-called antipsychotic and neuroleptic effect of nozinan. p. 152.
- (DNLM)
- \*ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]. Issued by Vsesoyuznoe obshchestvo nevropatologov i psikhiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol. 65, no. 4, 1965.
- Table of contents translated:
- Liudkovskaya, I. G. - Lesion of the extracranial portion of the carotid arteries and encephalomalacias. p. 481.
- Garasferian, R. O. - Pathological kinking of the carotid artery and its significance in disorders of cerebral blood circulation. p. 489.
- Dracheva, Z. N. - Clinical aspects in combined lesions of the carotid and vertebral-basilar arterial systems. p. 496.
- Kamnetakii, V. K. - Diagnosis of the occlusion of the carotid artery. p. 502.
- Smirnov, I. D. - Clinical aspects and course of aneurysms of the cerebral vessels. p. 508.
- Konovainov, A. N., Sokolova, A. A., Faller, T. O. - Changes in the EEG in arterial aneurysms of the brain. p. 510.
- Bogolepov, N. K., Erokhina, L. G. - Pathology of the cerebral and spinal blood circulation in occlusions of the superior vena cava. p. 524.
- Arashnikova, L. A., Belonog, R. P. - Bioelectrical activity of the brain in regional cerebral hypotension; clinical encephalographic characteristics. p. 531.
- Popov, L. I. - Neurological characteristics of primary arterial hypotension. p. 535.
- Naumenko, I. U. - Disorders of the muscular tonus in acute serous meningitis; clinical electromyographic study. p. 540.
- Amunts, V. V. - Correlation of angio- and cytoarchitectonics in the reticular formation of the brainstem. p. 547.
- Bleikher, B. M., Slobodianskaya, S. I. - Combination of Alzheimer's disease and atherosclerosis of cerebral vessels. p. 552.
- Shumskii, N. G. - Some most frequently encountered pictures of circular depressions in old age. p. 558.
- Rokhina, M. L. - Some characteristics of the course and clinical aspects of manic-depressive psychosis in old age. p. 567.
- Fot'lanov, M. I. - Chronic course of involutional melancholia, based on the data of a late catamnesis. p. 575.
- Ivanova, N. S. - Forms of the course of the verbal hallucinosis syndrome in old age psychoses. p. 584.
- Senke, V. I. A. - Paranoid reactions and paranoid development in aged psychopaths. p. 593.
- Platinskaya, I. N. - Some forms of paranoid psychoses at a senile age. p. 600.
- Plotnikov, S. M. - Activity of the thyroid gland in involutional psychoses. p. 604.
- Krasik, E. D. - Materials on comparative epidemiology of schizophrenia in cities and rural areas. p. 608.
- Zharikov, N. M. - Epidemiological study of mental morbidity. p. 617.
- Khaletskii, A. M. - Freudism, microsociology, existentialism. p. 624.
- Akhutin, E. A. - Index of books on neuropathology, psychiatry and related disciplines received in the State Central Scientific Medical Library in January 1965. p. 636.
- Smirnov, A. N., Raitner, A. I. U. - Iosif Iosifovich Ruselskii; an obituary. p. 638.
- Vol. 65, no. 5, 1965.
- Table of contents translated:
- Kryshin, N. A. - Automated gesticulation. p. 641.
- Gurfinkei, V. S., and others. - Mechanism of the origin of tremor in parkinsonism. p. 645.
- Skliut, I. A., Ginzburg, S. E. - Correlation between asymmetry of vestibular nystagmus and bioelectrical activity of the cerebral cortex. p. 652.
- Vaschenko, M. A., Zharnitskii, I. I., Braer, E. M. - Temporal piezotomoscillography. p. 657.
- Zlotnik, E. I., Gikina, L. S. - Clinical aspects and diagnosis of lesions of the extracranial portion of the vertebral artery. p. 662.
- Utkin, V. V., Okhimenko, N. N. - Diagnostic value of the changes in the composition of the cerebrospinal fluid and the fundus oculi in tumors and arachnoiditis of the brain. p. 667.
- L'vovskii, A. M. - Changes in the nervous system in burn disease, clinical and morphological study. p. 672.
- At'perovich, P. M. - Nontraumatic subdural hematomas. p. 678.
- Salganik, E. L. - Materials on the classification of clinical forms of cysticercosis of the brain. p. 685.
- Khodos, Kh. G. - Amenorrhea in organic diseases of the central nervous system, concerning the problem "Nervous system and internal secretion." p. 691.
- Kesarev, V. S. - Characteristics of the structural organization of the hypothalamus in man and some primates (chimpanzee, macaca). p. 696.
- Pshenichnyi, I. P. - Physiological characteristics of the eyeball-heart reflex in gradual compression of the eyes with increasing force. p. 703.
- Lipgart, N. K. - State of some unconditioned reflexes in patients with neuroses and the obsessional syndrome. p. 711.
- Pervov, L. G. - Study of image thinking and the possibility of medicinal effect on it in neurasthenics. p. 715.
- Delova, T. B. - Some characteristics of neurodynamics in children with psychopathic behavior. p. 721.
- Korolev, V. V. - Chronic neurasthenia. p. 728.
- Lakosina, N. D. - Dynamics of neurotic depression. p. 729.
- Belov, V. P., Kulikov, L. S., Trifonov, O. A. - Some characteristics of the dynamics of neurotic states originating in childhood. p. 733.
- Semke, V. I. A. - Role of psychogenic and somatogenic factors in the dynamics of psychopathies in old age. p. 737.
- Kovalev, V. V. - Neurosis-like disorders in connection with surgical treatment of patients with acquired heart defects. p. 742.
- Korkina, M. V. - Treatment of patients with the dysmorphismobilia (dysmorphomania) syndrome. p. 747.
- Vlasova, N. A. - Analysis of some cases of recurrent stammering based on data of late catamnesis. p. 750.
- Kochergina, V. S. - Results of medicinal treatment of stammering in adults. p. 753.
- Iagodka, P. N., and others. - Combined parenteral use of barbamil and caffeine at the present development stage of psychiatric therapy. p. 757.
- Asatiani, N. M., Smolina, A. I. - Social and work adaptation in neurosis of obsessional states. p. 762.
- Vokresenskaya, A. M. - Results of collective treatment (culture therapy) in a day hospital. p. 766.
- Skvortsov, K. A. - Experience in psychotherapy of somatic patients. p. 770.
- Dentsov, V. D. - Fifty years of the Z. P. Solov'ev Moscow City Clinical Psychiatric Hospital No. 8. p. 772.
- Rogovin, M. - Comparative psychology - etiology - psychiatry. Report No. 1: Development of views in foreign science on the biological determination of behavior under normal conditions and in pathology. p. 775.
- David Solomonovich Fuler; an obituary. p. 798.
- \*ZHURNAL VYSSHEI NERVOI DELATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 15, no. 1, Jan.-Feb. 1965.
- Table of contents translated
- Sakhilina, G. T., Meizhanova, G. Kh. - Electrophysiological manifestation of a conditioned reflex formed in response to a stimulation of thalamic midline nuclei. p. 3.
- Naumova, T. S. - Characteristics of the dynamics of electric processes at the stage of stable defensive conditioned reflexes. p. 11.
- Shvets, T. B. - Two-way character of conditioned temporary connection between motor and visual analyzers (change in the level of the steady potential of the surface of the cerebral cortex in rabbits). p. 23.
- Sologub, E. B. - Intercentral relations during the formation of a motor dynamic stereotype based on the data of crossrelation analysis of human encephalography. p. 32.
- Traugott, N. N., Balonov, L. I. A., Kaufman, D. A. - Electrophysiological data on the effect of some psychopharmacological substances on various structures of the human brain. p. 42.
- Korotkin, I. I., Suelova, M. M. - Materials of further study of the dynamic localization of conditioned inhibition induced by suggestion in hypnosis. p. 53.
- Koz'min, E. I. - Interaction of antagonistic muscles in yielding work. p. 61.
- IU Ven'-chzhao [YU Wen'-chao]. - Dependence of the perception of light signals on the intervals between them. p. 70.
- Krylov, O. A., Danilova, R. A., Tongur, V. S. - Effect of ribonuclease on nonconditioned and conditioned reflexes in ontogeny of white mice. p. 79.
- Allikmets, L. H., Ditrach, M. E. - Effect of disorders in the limbic system on emotional reactions and conditioned response in rats. p. 86.
- Troshchikova, V. A., Kozlova, L. N. - Variability of the basic properties of the type of the nervous system in ontogeny. p. 86.
- Rudenko, L. P. - Case of a fatal outcome caused by the effect of a strong acoustic stimulant on a dog. p. 105.
- IAkovleva, M. I., Katinas, V. I. A. - Characteristics of cardiac and respiratory components of conditioned defensive response. p. 108.
- Komaiova, T. F., Sokolova, E. V., Tendler, D. S. - Level of protein-bound iodine in the blood of dogs with various properties of nervous processes. p. 114.
- Pokrovskii, A. A., Ponomareva, L. G. - Characteristics of the changes in the enzymic activity of brain tissues in reflex epilepsy. p. 120.
- Belenkov, N. I. U., Chirkov, V. D. - Mechanism of the synchronization of neuron activity. p. 128.
- Pollanskii, V. B., Isakova, T. V. - Inversion of light-induced potentials in the visual cortex of rabbits in a wakeful state. p. 140.
- Shevelov, I. A., Khiks, L. Kh. - Study of the afferent flow on various levels of the visual system by the total electric response. p. 148.
- Lubimov, N. N. - Transformation of visual information at the mesencephalon level. p. 150.
- Shuranova, Zh. P. - Contemporary data on the steady potential of the cerebral cortex. p. 163.
- Volokhov, A. A., Shilaginina, N. N. - Determination of stereotaxic coordinates of subcortical brain formations in developing animals. p. 170.
- On N. A. Sarkisov's 70th birthday. p. 180.
- Vol. 15, no. 2, Mar.-Apr. 1965.
- Table of contents translated:
- Danilov, I. V., and others. - Petr Stepanovich Kupalov. p. 195.
- Asratian, E. A. - Conditioned reflex and contemporary neurophysiology. p. 202.
- Rushov, V. S. - Polarization of the motor area of the cerebral cortex by a direct current anode and the motor dominant. p. 217.
- Kogan, A. B., Chorlian, O. G. - Central organization of nervous processes and the basic impulse activity of neurons. p. 228.
- Nar'kashvili, S. P., Arutunov, V. S., Moniava, E. S. - Activity of individual neurons of the cerebral cortex during the recruiting reaction. p. 238.
- Sokolov, E. N. - Neuronal mechanisms of "habituation" as the simplest form of conditioned response. p. 249.
- Garshuni, G. V. - Organization of afferent flow and the process of distinction of signals of various duration. p. 260.
- Mkrtycheva, L. I., Samsonova, V. G. - Significance of the time factor for the formation of responses from the nerve units in the visual cortex of frogs. p. 274.
- Belenkov, N. I. U., Kalina, T. E. - Distribution of primary responses to acoustic stimuli in the cerebral cortex. p. 285.

- Gasanov, U.G. - Study of the thresholds of invoked potentials in the cortical projection of the conditioned stimulus. p. 295
- Khanamashvili, M.M. - Orienting reflex and the first conditioned motor response. p. 303
- Kupalov, P.S., Lapina, I.A. - Content of salivary acid in lacrimal and salivary secretions in dogs during conditioned and unconditioned stimulations. p. 311
- Shichko, G.A. - Mechanism of the formation of conditioned response. p. 318
- Kostenetskaya, N.A. - Course of the secretory alimentary reflex in stimulation of the lateral parts of the hypothalamus. p. 325
- Kolosova, T.E. - Characteristics of the aftereffects from the extinction of unilateral and bilateral conditioned reflexes. p. 332
- Nemyayaka (Kapusnik), D.P. - Participation of various coupling mechanisms in the formation of conditioned response. p. 339
- Alekseeva, I.A. - Complex motor reactions to a delayed stimulus under conditions of "voluntary" activity. p. 345
- Syrenskii, V.I. - Analysis of the higher nervous activity of an animal using the methodology of situation conditioned responses. p. 351
- Aslanova, I.F. - Role of the corpus callosum in the formation of complex defense reflexes. p. 357
- Voronin, L.G., Kalluzhnyi, L.V., Zakharova, I.N. - Electroencephalographic data on the role of the lateral and ventromedian nuclei of the hypothalamus in the closing of alimentary temporary connections. p. 364
- Shirkova, G.I. - Physiological mechanisms of the so-called habit transfer. p. 374
- Dolin, A.O., Farber, D.A., Zmanovskii, I.U.F. - Determination of the lability of nervous processes based on the reaction of assimilating the rhythm of light flickering. p. 381
- Grashchenkov, N.I., Latash, L.P., Vein, A.M. - Mechanisms of sleep in the light of clinical and physiological analysis of hypnosis. p. 393
- Zaralaska, S.M., Musashchikova, S.S., Chernigovskii, V.N. - Cortical representation of the afferent systems of the alimentary tract. p. 405
- Kuritsin, I.T. - Problem of selective lesion of an internal organ in experimental neurosis. p. 414
- Gorizontov, P.D., Fedorovskii, L.L., Lobedeva, G.A. - Role of bile in the development of a gastro-intestinal syndrome during an extremely acute form of radiation sickness. p. 19
- Apatenko, A.K. - Eccrine spiradenoma of the skin. p. 25
- Gubareva, A.V. - Adenomyoepitheliomas of the skin. p. 32
- Postnov, I.U.V. - Myoepitheliomas of the sweat glands. p. 38
- Probatova, N.A. - Fatty dystrophy of the myocardium. p. 44
- Uchitel', I.I.A., Kolker, I.I. - Possible mechanisms of autoimmunization in pathology and its role in the pathogenesis of burns. p. 52
- Lobedev, K.A. - Primary immunological response, a study of the dynamics of the appearance and the morphology of antibody-containing cells with the aid of Conn's indirect method. p. 60
- Alter, V.M. - Adaptation fibroelastosis of the endocardium of the right auricle in pulmonary heart disease. p. 67
- Besprozvannii, B.K., and others. - Morphology of spontaneous toxoplasmosis of minks. p. 72
- Nemirovskaya, N.A., Alakova, E.E. - Changes in the liver in Oster's disease. p. 78
- Dan'ko, L.V., Khagush, M.A. - Case of noma in the Sukhum nursery of the Institute of Experimental Pathology and Therapy. p. 82
- Tinlakov, I.U.G. - Machine for the sharpening of microtomes designed by the Central Design Bureau of the Ministry of Public Health of the U.S.S.R. p. 84
- Pokotilenko, A.K. - Replacement of an illumination lamp in the "D163 Microphol" microscope. p. 85
- Kaplan'skii, S.I.A. - Review of Professor Jozsef Szasz' book "Pathology of protein nutrition." p. 88
- Ikranov, Z.Kh. - Review of Professor B.I. Monastyrskaya's book "Problems of the pathomorphology of endocrine glands." p. 87
- Miklashevskii, V.E., Matveev, A.I.A. - 3rd joint scientific and methodological conference dedicated to the memory of Professor S.I. Chechulin. p. 91 (DNLM)

# e. PATHOLOGY & THERAPEUTICS

## ARKHIV PATOLOGII [ARCHIVES OF PATHOLOGY]

Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 26, no. 12, 1984.

- Table of contents translated:  
Marifa Alekseevna Zakhar'evskaya; on her 75th birthday. p. 3
- Tat'iana Pavlovna Vinogradova, on her 70th birthday. p. 6
- Boikova, N.V. - Pathological anatomy of diabetic glomerulosclerosis. p. 8
- Tsibul', B.N. - Changes in the renal glomeruli in disseminated lupus erythematosus. p. 14
- Bobkov, A.G. - Experimental cancer of the epididymis induced in white rats by carcinogenic hydrocarbons. p. 18
- Sarkisov, D.S., Firsova, P.P., Nikishin, A.A. - Giant-cell malignant thymoma. p. 26
- Zheleznev, B.I. - Diagnosis of cancer of the cervix uteri on the basis of fluorescent-histological and fluorescent-cytological methods of examination. p. 31
- Bykova, N.A., Dobrova, N.B. - Morphogenesis and morphology of the capsule of vascular prostheses of synthetic materials, experimental study. p. 39
- Kurygin, A.A., Smirnov, A.D. - Histological changes following replacement of arteries by lavsan prostheses. p. 45
- Kriuchkova, G.S. - Postmortem angiography in pulmonary hypertension. p. 52
- Mašek, R. - Systemic chondromalacia. p. 58
- Bykova, V.P. - Case of "black consumption" as a complication of nonoccupational anthracosis in old ages. p. 62
- Lavnikova, G.A. - Esophageal cysts of the mediastinum. p. 67
- Cheplik, O.F. - So-called soft-tissue alveolar sarcoma. p. 70
- Liamsaev, V.G. - Atherosclerotic aneurysm of a coronary artery in conjunction with atherosclerotic aortic aneurysm. p. 73
- Lapin, I.U.V. - Method of sealing macroscopic preparations. p. 74 (DNLM)

Vol. 27, no. 2, 1985.

- Table of contents translated:  
Academician Nikolai Nikolaevich Anichkov; an obituary. p. 3
- Sylatskhin, M.V. - Leukemia and ionizing radiation. p. 6
- Vlasov, P.A. - State of the bone marrow during the development of an osteogenic sarcoma induced by strontium 90. p. 14

Vol. 27, no. 3, 1985.

- Table of contents translated:  
Oivin, I.A. - Pathogenesis of early manifestations of acute inflammation. p. 3
- Avandilov, G.G. - Correlation between the fundamental types of the morphological manifestations of atherosclerosis in the aorta and the coronary arteries of the human heart; a planimetric study. p. 16
- Arkhangelskii, A.V., Isupov, I.V. - Histochemical changes in myocardial infarction during its healing. p. 25
- Chokarova, G.A. - Vascularization of the valve apparatus of the heart in rheumatic fever. p. 31
- Dubrov, E.A., Lavrishcheva, G.I. - Primary healing of bone injuries. p. 37
- Dukhonova, A.I. - Proliferation of the elements of the granulation tissue and the young epithelium in alternating administration of various hormones. p. 43
- Berman, A.M. - Pigmentary villous synovitis. p. 48
- Anipov, B.V., Gal'perin, I.U.M. - Interrelations of local and general factors in the pathogenesis of a dynamic obstruction of the intestines in peritonitis. p. 54
- Shityalev, E.B. - Late fetopathy without edemas and icterus determined by the rhesus conflict. p. 60
- Lipson, E.D. - Angiography of the brain in stillborn infants and dead neonates. p. 65
- Zaitseva, K.K. - Changes in the intestines of monkeys produced by the larvae of the nematode *Oesophagostomum apistomum*. p. 71
- Samsonov, V.A., Drobnier, V.L. - Tumorous endometriosis of the urinary bladder with a compression of the prevesical section of the ureter. p. 77
- Suekhova, T.I., Slonim, F.L. - Isolated lymphogranulomatosis of the stomach and the small intestines. p. 80
- Shubenko-Gabuzova, I.N. - Primary actinomycosis of the stomach. p. 83
- Pokk, L.R. - Primary cancer of the liver in an 8-month-old child. p. 85
- Gaevskaya, L.I., Kuzelkina, N.V. - Modification of V.V. Donkov's method used in the impregnation of argyrophil fibers in celloidin-embedded and frozen sections. p. 87
- Gul'kevich, I.U.V. - Review of E.B. Krasovskii's "Abnormalities of the central nervous system." p. 88
- Neslanko, V.V., Zavodovskaya, E.I. - Work of the Lugansk Society of Pathoanatomists during 1960-1963. p. 90
- Aleksii Nikolaevich Chistovich. p. 93 (DNLM)

Vol. 27, no. 4, 1985.

- Table of contents translated:  
Chekareva, G.A. - Anatomical characteristics of the mitral valve at late periods following commissurotomy. p. 3

- Kofanova, I.U.V. - Effect of the transfusion of some blood substitutes and blood on the coronary blood circulation and functional state of the myocardium under conditions of acute hemorrhage. p. 9
- Mazhidov, N.M. - Changes in the roots of the cranial nerves in chronic fibrous leptomeningitis (arachnitis) of the posterior cranial fossa. p. 17
- Strukova, S.M., Andrenko, G.V. - Study of the thrombolytic activity of aspergillin M in experimental thrombosis. p. 23
- Zhukov, N.A. - Alpha cells of the islands of Langerhans of the pancreas in persons of various ages. p. 30
- Zabotnikov, P.V. - Polydactyly and syndactyly. p. 34
- Shmyreva, T.A. - Morphology of the gallbladder in opisthorchiasis. p. 40
- Abdullaev, V.M. - Morphological changes and some histochemical modifications in the eyes of monkeys with radiation sickness. p. 46
- Iakovleva, A.I., and others. - Morphological characteristics of a model of cutaneous leishmaniasis in white mice. p. 52
- Kovalevskii, G.V. - Morphology of early reactive changes in rats following introduction of a mycobacterial stimulant. p. 57
- Grlaznova, V.P. - Pathomorphological changes in the central nervous system in prolonged compression of the extremities; experimental study. p. 60
- Nemirovskaya, N.A. - Unusual case of a multiple mesenchymal tumor of diverse structure in the retroperitoneal space. p. 74
- Kulitshevskii, P.F. - Desmoid fibromas. p. 78
- Shubich, M.G. - Method of staining plasmatic cells. p. 80
- Esipova, I.K., Kriuchkova, G.S. - Problem of regional hypertension and its possible significance in the pathogenesis of some diseases. p. 83
- On the 60th birthday of Professor I.U.V. Gul'kevich. p. 94 (DNLM)

Vol. 27, no. 5, 1985

- Table of contents translated:  
Kraevskii, N.A. - Tumorous nature of leukemias. p. 3
- Kogan, A.Kh. - Properties of procollagen extracted from sarcomas. p. 8
- Samsonov, V.A., Antipova, A.N. - Osteoid osteoma. p. 15
- Serban, P., and others. - Letterer-Siwe disease (tumorous form with lipodosis). p. 19
- Beletskii, L.V. - Development of experimental arteritis in animals following introduction of group A streptococcus culture mixed with the homogenate of homologous connective tissue. p. 24
- Lobedev, K.A. - Secondary immunological response; study on the dynamics of the manifestation and morphology of antibody-containing cells using the indirect Conn's method. p. 30
- Iakovleva, A.F. - Content of nucleic acids and nucleopolysaccharides in the placenta in isogamous incompatibility of maternal and fetal blood; a histochemical study. p. 36
- Leibman, I.G., Lazluk, G.I. - Peritonitis in newborn infants. p. 42
- Kallia, O.S. - Pathological anatomy of congenital toxoplasmosis. p. 48
- Kniazova, G.D. - Comparative evaluation of cooling and warming periods in deep hypothermia; morphological and histochemical study. p. 52
- Khlystova, Z.S., Abdrazhitova, E.Kh. - Cultivation of skin tissues in a denervated area of the body. p. 59
- Melikova, M.IU., Badmaeva, V.V., Vecher, A.M. - Hemocytoblastosis developing following radiotherapy of reticulosarcoma of the mediastinum. p. 64
- Silinaeva, N.F. - Case of congenital toxoplasmotic meningoencephalomyelitis complicated by edematous form of symptomatic erythroblastosis. p. 67
- Stepanin, B.G. - New method of color-related detection of copper in tissues. p. 71
- Leonid Nikolaevich Popov; an obituary. p. 94
- Viktor Ivanovich Vitushinskii; an obituary. p. 95 (DNLM)

PATOLOGICHESKAYA FIZIOLOGIYA I EKSPERIMENTAL'NAIA TERAPIYA [PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY]. Issued by Ministerstvo zdoravookhraneniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 9, no. 2, Mar.-Apr. 1985.

- Table of contents translated:  
Shutova, T.N. - Problem of atherosclerosis. p. 3
- Bogomolova, L.G., and others. - Effect of thixotropic gel of iodopolyvinyl alcohol on experimental atherosclerosis. p. 3
- Leites, F.L. - Activity of lipoprotein lipase and other lipolytic enzymes in experimental atherosclerosis in rabbits. p. 12
- Chernikov, I.N., Popkov, V.L. - Dynamics of oxygen in the blood and brain tissues of animals at high altitude during respiration under excessive pressure. p. 18

- Dumova, A. M., Zhironka, A. G. - Protective role of oxytetracycline and streptomycin in increased oxygen pressure. p. 23.
- Bulanova, O. N. - Hypoxia and acid-base equilibrium in dying from loss of blood under conditions of deep hypothermia and in the subsequent restoration of vital functions following a two-hour clinical death p. 26.
- Bellavskii, E. M. - Analysis of the changes in the excitability of the thermoregulating center in the process of a developing fever reaction. p. 30.
- Rodkina, B. S. - Role of alkaline phosphatase and ascorbic acid in the formation of connective tissue in experimental pneumoconiosis p. 36.
- Alekseeva, A. M., Tkachenko, A. V. - Preventive action of vitamin E in dystrophies caused by experimental chronic hypoxia. p. 39.
- Bakuleva, N. S. - Examination of some trace elements in the blood of healthy dogs with lesions of the stomach and liver. p. 42.
- Verbitskii, M. Sh. - Hematological studies in experimental fetal erythroblastosis. p. 46.
- Fertulova, N. M. - Change in hemopoiesis in healthy animals under the effect of bone marrow extracts. p. 50.
- Korol', S. A., Rodionov, G. A. - Data of a histomorphological study of the liver in rats of various ages under the combined effect of carbon tetrachloride and hepatocytotoxic mitochondrial serum p. 54.
- Ianev, P. D. - Role of liver lesions in the pathogenesis of silicosis p. 60.
- Popov, I. P. - Effect of a block and stimulation of n-cholinergic tissue structures on the development of pituitrin-induced coronary insufficiency. p. 61.
- Smyk, M. M. - Effect of ultrasonic waves on acute inflammation during various periods of their application. p. 63.
- Maianski, D. N. - Functional state of the blood coagulation system in autoimmunization. p. 65.
- Shapiro, I. U. L., Sternin, L. E. - Mathematical analysis of the changes in body weight in complete alimentary starvation in man. p. 68.
- Gorbunova, N. A. - Changes in the volume of the circulating blood in dogs following plethoric blood transfusion p. 68.
- Khlebnikova, I. M. - Study of the effect of plasma-substituting solution of polyvinyl on the renal function in dogs. p. 70.
- Gerbut, K. A. - Effect of prophylactic antishock complex on changes in the mass of circulating blood and sensitivity to hemorrhage following a trauma. p. 72.
- Dudova, G. M. - Thermoregulating activity of the muscles in the awakening of hibernating animals p. 73.
- Fokina, A. A. - Activity of cholinesterase in the blood serum in dogs in experimental diabetes p. 75.
- Kogan, A. Kh., Babinkov, V. I. - Experimental stenosis of the thoracic aorta in rats (model of cardiac defect and hypertrophy). p. 77.
- Degtiarev, V. A. - Recording an oxymyogram on the oscillograph as an objective method of determining the blood flow time p. 79.
- Shekhter, S. I. U. - Cultivation of bone marrow in the form of suspension for the study of the erythropoietic activity of the plasma, a description of the method. p. 81.
- Pavlenko, S. M. - Technicism in medicine, a result of erroneous methodology. p. 84.
- REFERATIVNYI ZhURNAL: OBSHCHIE VOPROSY PATOLOGII, ONKOLOGII** (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY, ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 10-11, May-June 1965. Avtorskii ukazatel' za 1964 g. [Author Index for 1964]
- f. PHARMACY & MATERIA MEDICA**
- \* **ANTIBIOTIKI [ANTIBIOTICS]**. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 10, no. 2, Feb. 1965.
- Table of contents translated:
- Bulant, V., Horasky, O., Urx, M. - Chromatography of 6-azauracil and its derivatives. p. 99.
- Kuznetsov, V. P. - Effect of triptolamine sulfate on the effectiveness of oxidative phosphorylation and the nucleic acid content in bacterial cells. p. 105.
- Dudnik, I. U. V. - Induction of a lysogenic culture of *Micrococcus lysodeikticus* by antibiotics selectively inhibiting deoxyribonucleic acid synthesis. p. 112.
- Germanova, K. I., and others. - Components and antiviral properties of some streptococcal antibiotics. p. 117.
- Popovich, G. G., and others. - Effect of some antibiotics on the reactivity of the components of interreceptive reflexes. p. 122.
- Liubimova, L. K. - Chicken embryos as a model for testing trichomonad antibiotics p. 130.
- Ermol'eva, Z. V., and others. - Effect of bacterial polysaccharides on the growth of experimental tumors p. 134.
- Pokidova, N. V., Smertenko, I. I., Buzina, T. P. - Testing the effect of purified preparations of basic polypeptides derived from animal tissues on tumor cells p. 137.
- Zhukov, V. G., Navashin, S. M. - Study of the toxicity of some semisynthetic penicillins in tissue culture. p. 141.
- Kovalev, G. K. - Treatment of experimental dysentery infection, induced by antibiotic-resistant strains of *Flexner's* dysentery bacteria with the combination of antibiotics and a preparation stimulating immunogenesis p. 148.
- Dukharin, O. V., Iakovleva, Z. M. - Protective nonspecific effect of lysozyme in infections. p. 151.
- Solov'ev, V. N., and others. - Antibacterial activity of the synthetic derivatives of capillene (agropyrene) and capillin p. 156.
- Bakulina, E. V. - Correlation of toxicity, sensitivity to phages and antibiotics in variants of *Corynebacterium diphtheriae* produced in the interaction with diphtherial, staphylococcal and streptococcal phages p. 159.
- Golikov, A. V. - Study of the possibility of the in vitro adaptation of *Proactinomyces israeli* to some antibiotics p. 163.
- Buniatova, I. M. - Comparison of the sensitivity of pathogenic staphylococci to antibiotics with the results of their phage typing p. 165.
- Saakian, A. G., Arutunova, N. L., Nikolaeva, E. A. - Comparative study of the effect of penicillin, streptomycin and chlorotetracycline on the motor activity of the gastrointestinal tract in patients with chronic infectious colitis. p. 170.
- Sobolev, V. R., Galkin, V. A., Brodinova, N. S. - Expedient methods for the administration of tetracycline in treating chronic cholecystitis. p. 173.
- Koisman, A. A., Varshavskii, S. T., Zmoliro, I. D. - Hospital hygiene in urological clinics p. 176.
- Kudat, D. G., Girdo, B. M. - Induced synthesis of colicins p. 179.
- FARMATSEVTICHNYI ZhURNAL [PHARMACEUTICAL JOURNAL]**. Issued by Ministerstvo otkonoyni zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.], Kiev, vol. 10, no. 1, 1964.
- Table of contents translated:
- Planning of medical supply. p. 3.
- Konlev, F. A. - Liquid prepared drugs and prospects for their production. p. 6.
- Ponomareva, O. M., Riasosova, O. I. - Rheology of ointments. p. 9.
- Koz'myn, V. D. - Some problems of mixing solid preparations during the process of drug compounding in pharmacies. p. 12.
- Roshchenko, A. I., Dykhanov, M. N. - Synthesis of N-haloarytaulonimides with predominantly bactericidal properties. p. 15.
- Vorob'ev, N. E., Dzhiba, N. P. - Polarographic method for the quantitative determination of cardiac glycosides. p. 18.
- Bilets'kii, I. U. M. - Cardiac glycosides from *Cornifolia varia*. p. 22.
- Koval'ov, O. F. - Isolation and chemical properties of anthraglycosides from *Rhamnus frangula* L. bark. p. 25.
- Muraviova, D. O. - Ragweed *Seledio platyphyllus* and the alkaloid sarcasin. p. 29.
- Hrom, I. I. - Data on the medicinal flora of the Komi A.S.S.R. p. 32.
- Sholeva, S. G. - Determination of the needs for raw medicinal plant material on a province scale. p. 34.
- Nosovits'ka, S. A., and others. - Use of polyvinylpyrrolidone and polyvinyl alcohol as binding substances in the production of tablets. p. 41.
- Valsman, H. A., and others. - Study on the production of tinctures from glycoside-containing plant material using ultrasonics. p. 44.
- Shvahr, I. H., Rozentsveig, P. E. - Separation of *Lycopodium selago* alkaloids and their medicinal forms. p. 40.
- Lykholt, N. M., Huslakov, V. P. - Studies on the solubility of sulfanilamide preparations. Report No. 3; Effect of some organic acids on the solubility of streptocides. p. 52.
- Lobanov, V. I. - Effect of the solubility of ether in water and of other factors in the loss of barbitol during its isolation from aqueous solutions. p. 55.
- Fil', U. H. - Chemical studies on some representatives of the family Ranunculaceae. p. 59.
- Milonova, N. P. - New *Rhamnus* bark preparation. p. 61.
- Sinhalovich, N. I. - History of pharmacy in the city of Lvov and in Lvov Province. p. 65.
- Borysov, M. I., Lytvynenko, M. M. - Role of the department of pharmacy and pharmacognosy of the Kharkov University and of its laboratories in the development of scientific and practical pharmacy. p. 71.
- Malevskii, N. K. - Organization of drug supply to guerrilla units. p. 74.
- Spivak, F. I. - Economical analysis as a method for the detection of reserves. p. 78.
- Korchyn'skii, I. T. - Organization of medical supply of the Lvov Railway. p. 82.
- Rozenberg, K. D. - Organization of pharmacy services for the population. p. 85.
- Ponomarenko, H. F., Sade, H. H. - Prepared drugs in pharmacy prescriptions. p. 87.
- Aitliukh, N. I., Patsyra, O. S. - Experience of leading workers in drugstores. p. 89.
- Kravchenko, I. M. - New drugs. p. 92.
- MEDITSINSKAIA PROMYSHLENNOST' SSSR [MEDICAL SUPPLIES INDUSTRY OF THE U.S.S.R.]**. Organ of Ministerstvo zdavookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 19, nos. 3, 5, Mar., May 1965.
- REFERATIVNYI ZhURNAL: FARMAKOLOGIJA, TOKSIKOLOGIIA** (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY, TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 10, May 1965. Avtorskii ukazatel' za 1964 g. [Author Index for 1964]
- g. PUBLIC HEALTH & NURSING**
- MEDITSINSKAIA SESTRA [MEDICAL NURSE]**. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.], Moscow, vol. 24, no. 5, May 1965.
- h. SURGERY & DENTISTRY**
- KHIRURGIIA [SURGERY]**. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 41, no. 4, Apr. 1965.
- Table of contents translated:
- Novikov, A. N., and others. - Chemotherapy of malignant tumors by the perfusion method. p. 3.
- Ponomareva, E. D. - Surgical intervention in acute leukemia. p. 10.
- Chervinskii, A. A., Polikarpov, M. I. A., Abramov, V. K. - Photographic methods of determining the operability of pulmonary cancer. p. 13.
- Podolskaya, E. I. A., Matasheva, L. I. - Role of various X-ray and clinical symptoms and examination methods in the diagnosis of peripheral pulmonary cancer. p. 17.
- Badmaeva, V. V., and others. - Morphological changes in a tumor during the preoperative treatment of pulmonary cancer with Thio-TEPA. p. 24.
- Larionchenko, T. G., Chaikov, I. M., Nemyrin, A. N. - Results of the treatment of breast cancer p. 32.
- Bazhenova, A. P., Nektiudova, O. V. - Colloid breast cancer. p. 37.
- Kertsman, V. I., Nikulina, V. A. - Malignant tumors of the parathyroid glands. p. 40.
- Milov, B. V., Rabinovich, E. A. - Electrosurgical intervention in mixed tumors of the salivary glands. p. 44.
- Lur'e, A. S. - Methodology of the removal of cancer of the thoracic part of the esophagus. p. 47.
- Bogdanov, A. V., Kratzer, L. I., Kharitonov, L. G. - Cancer of the upper region of the stomach with transition into the esophagus in patients over 60 years of age. p. 52.
- Shkrob, O. S., Nikolaev, A. V. - Surgical treatment of cancer of the gastric stump. p. 56.
- Takulov, U. T. - Macroscopic form of gastric cancer and the characteristics of its growth and microscopic expansion. p. 60.
- Makolina, N. S. - Pathogenesis of acute vascular dysfunction during surgery for pancreatoduodenal cancer. p. 64.
- Duplik, Z. K., Krasil'shchik, D. Z. - Primary cancer of the small intestine. p. 70.
- Matveev, V. I., Iakushin, V. I. - Sarcoma of the small intestine. p. 74.
- Rodkin, S. A. - Arteriography in cancer of the rectum. p. 78.
- Makhov, N. I., Odinkova, V. A. - Hepatadenomas and their surgical treatment. p. 81.
- Kizhaev, V. I. - Surgical treatment of primary cancer of the liver. p. 85.
- Volkova, L. P., Dobychina, L. I. - Preoperative clinical X-ray diagnosis of tumors of the biliary tract. p. 90.
- Akhundova, M. D., Sukhinina, M. G. - Osteochondroma. p. 95.
- Sadykhov, A. G., Saidian, M. N. - Experience in using arteriography in bone tumors. p. 99.

- Astashenkova, K. I. - Changes in the basal metabolism processes in an extremity during its experimental replantation p. 103.
- Daniel' Bek, K. V. - Errors in diagnosis and tactics in sarcomas of soft tissues p. 109.
- Gorshkov, S. Z. - Diagnosis of multiple idiopathic hemorrhagic sarcoma of the skin (Kaposi's sarcoma) p. 114.
- Giant-cell bone tumors (osteoblastoclastomas) p. 118.
- Shvabarskii, V. A., Kuz'mina, L. P. - Current state of the clinical study of giant-cell tumors (osteoblastoclastomas) p. 121.
- Matveev, N. K. - Hemorrhage from acute ulcers in leukemia p. 127.
- Makara, K. A., Bogdanov, A. V. - State of an esophagojejunal anastomosis 15 years after gastrectomy for cancer of the upper region of the stomach with a transition to the esophagus p. 129.
- Zemlanov, A. G. - Resection of the gastric stump in recurrence of cancer p. 130.
- It'ishenko, A. V., Pikus, T. P. - Case of an extensive lesion of the small intestine in lymphogranulomatosis simulating ovarian cyst p. 132.
- Potolskii, G. M., and others. - Two cases of cancer of the extrahepatic bile ducts p. 133.
- Ferdman, Z. Z. - Reticulosis simulating diffuse polyposis of the rectum and large intestine p. 135.
- Karavaev, M. P. - Six cases of giant-cell tumors of the vagina tenella p. 136.
- Grigorian, N. A., Altinov, T. U. - Two cases of amputatio interilio-abdominalis p. 138.
- Igor' Nikolaevich Rybushkin, on his 60th birthday p. 144.
- Boris Alekseevich Rudavskii, on his 60th birthday p. 145. (DNLM)
- ORTOPEDIA, TRAVMATOLOGIIA I PROTEZIROVANIE (ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESIS).** Issued by Ministerstvo zdorovokhennosti SSSR (Ministry of Health of the U.S.S.R.). Moscow, vol. 26, no. 1, Jan. 1965.
- Table of contents translated:
- Zhdanov, D. A. - Functional and morphological fundamentals of skeletal formation p. 3.
- Balakina, V. S., Ruban, K. V. - Results of treatment in spinal fractures p. 11.
- Kaplan, A. V. - Geriatric problem in traumatology p. 18.
- Rodin, I. A., Antonov, I. I. - Surgical treatment of ununited fractures and pseudarthroses of the tubular bones p. 24.
- Pap, K. - Some biological premises for the treatment of fractures p. 29.
- Vilenskii, V. A. - Metaphyseal fractures of the proximal end of the femur at birth p. 33.
- Chaklin, V. D., Ginzburg, I. B. - Myofasciodesis in insufficiency of the gluteal muscles following poliomyelitis p. 39.
- Gallorybov, T. E., Gusarev, V. F. - Methods of skin grafting in contusions and cicatrices following burns p. 45.
- Belavina, I. A. - Use of cuffs from capron tissue and cellulose filter or film for the isolation of an injured tendon, experimental study p. 48.
- Dogliareva, S. I., Lavrisheva, G. I. - Effect of suture material on the regeneration of tendons; experimental study p. 52.
- Morozov, B. F. - Homoplasty of fascial defects with frozen and lyophilized fasciae, experimental study p. 56.
- Cherkasova, T. I. - Some physiological indications in surgical elongation of the extremities p. 60.
- Irisukhamedova, F. K., Mirzoeva, I. I. - Change in the angle of deviation of the femoral neck following treatment of congenital hip dislocation by the Paolet-Lorentz method p. 64.
- Sirazeldinov, V. G. - Traumatism in lumbermen; based on materials of the Kananikol'skoye logging camp for five years p. 71.
- TSol, G. V. - Results of the study of industrial traumatism in workers of the repair shops of the state farms in the Virgin Territory p. 73.
- Dem'ianov, V. M. - Aseptic necrosis of the caput femoris in united fracture of the femoral neck p. 78.
- Makushin, V. D. - Results of biological stimulation of regenerative processes in osteochondropathia of the caput femoris in children p. 79.
- Saltanovich, E. A. - Characteristics of traumatism in children; based on materials of a traumatological station p. 79.
- Kon, I. I. - Concerning Professor L. I. Shulutko's article "Defects of posture and scoliosis" p. 81.
- Gordienko, V. M., Pankov, E. I. A. - Konstantin Feliksovich Elenevskii, on the 100th anniversary of his birth p. 83. (DNLM)
- Vol. 26, no. 2, Feb. 1965.
- Table of contents translated:
- Krupko, I. I., Kravchenko, S. I. - Osteosynthesis with screws in oblique and spiral fractures of the leg bones p. 3.
- Vlasov, V. V. - Results of using metal bolts for osteosynthesis in the treatment of multiple fractures of the bones p. 7.
- Landzhev, B. - Treatment of pseudarthrosis and fractures of the long tubular bones by the compression method p. 10.
- Klebanovskaya, L. R. - Homoplasty with embryonal bone tissue p. 14.
- Degen, I. L. - Fixed circular flap bone transplant p. 18.
- Bezhenitsa, V. I. - Pathological reconstruction of bones caused by excessive stress p. 23.
- Porrai, I., Novak, I. A. - Problems in differential diagnosis of the so-called march fractures of the tibia p. 30.
- Burygina, A. D. - Pathogenesis of scoliosis following poliomyelitis p. 33.
- Pevzner, M. S. - Experience with the use of plastic hip prostheses p. 36.
- Alekseenko, I. P., Levenets, V. N., Krub, Z. V. - State of the medical care for invalids of the Great Patriotic War in the Ukrainian S.S.R. p. 42.
- Teitelbaum, M. Z. - Some problems of primary invalidity following traumas of the locomotor apparatus; based on materials of the Saratov Medical Expert Commission on Work Ability p. 46.
- Dem'ianov, V. M., Velichko, D. E. - Technique of the internal fixation of fragments of the humerus in the supracondylar region p. 51.
- Liberzon, S. A. - Methodology for osteosynthesis of small bone fragments p. 54.
- Vichtomova-Oshpenkova, T. K. - Analysis of lethal outcomes in fractures of the upper femoral epiphysis, based on data of the Sklifosovskii Institute of First Aid p. 56.
- Vasil'ev, S. F. - Directed antibiotic treatment in open fractures of the small tubular bones of the foot and hand p. 58.
- Aizkov, G. S. - Diagnosis of the initial degree of contraction of the muscles stretching the fascia lata p. 60.
- Belavina, I. A. - Bone grafting with buried lamellar transplant in the treatment of fractures of the tubular bones p. 64.
- Bek, N. D. - Technique of intramedullary osteosynthesis p. 64.
- Kluser, A. A. - Case of surgical treatment in multiple fractures of the metacarpal bones and finger phalanges p. 65.
- Ponomarev, V. N. - Methodology of one-stage reposition of bone fragments in fractures of the metacarpal bones p. 66.
- Li, A. D. - Technique of bloodless reposition in compression fracture of the heel bone p. 68.
- Akhmedov, D. L. - Treatment of ununited fractures and pseudarthroses p. 68.
- Dmitriev, M. L. - Use of autologous osteoblastic tissue in bone grafting p. 67.
- Renzik, M. M. - Rare case of radius dislocation in the proximal and distal radioulnar joint p. 68.
- Selivanov, V. P., Durov, M. P. - Two cases of supra-trochanteric dislocations of the hip p. 69.
- Dubrov, I. A. G., Buachidze, O. Sh. - Neglected subcutaneous ruptures of muscles and tendons p. 69.
- Kazantsev, F. N., Podolskii, A. N., Nakhrova, Z. V. - Anesthesia in surgery for scoliosis p. 70.
- Meniallov, N. V., Koroleva, E. A. - Experience in anesthesia in surgery for grave forms of scoliosis p. 71.
- Dibolov, N. M. - Comparative evaluation of some forms of anesthesia in spinal surgery for scoliosis p. 71.
- Sluski, L. I., Torm, M. I. - Collagen and aminopolysaccharides of the menisci and adipose bodies of the knee joint in traumas and Hoffa's disease p. 72.
- Dedrin, A. V. - Methodology of conservative resection in tuberculous exostosis p. 72.
- Akhmedzhanov, R. B., and others. - Defects of posture and scoliosis p. 74.
- Berlin, L. B. - Changes in the skin following thermal burns; a review of literature p. 76.
- In memory of Professor A. M. Landa p. 92.
- Alekseenko, I. P. - Maks Solomonovich Novik; an obituary p. 93. (DNLM)
- VESTNIK KHIRURGII (REVIEW OF SURGERY).** Issued by Khirurgicheskoe obshchestvo Pirogova [Pirogov Surgical Society]. Leningrad, vol. 92, no. 6, June 1964.
- Table of contents translated:
- Smirnov, E. V. - Role of roentgenological studies in the diagnosis of diseases and lesions of the bile ducts p. 3.
- Blinov, N. I., Yakovleva, O. A. - Postoperative cholecystitis p. 9.
- Petrov, V. I., Porembskii, O. B. - Indications for transduodenal papillotomy p. 12.
- Nechal, A. I., Kalashnikov, S. A. - Morphological changes of the papilla duodeni major as a sign of stenosing papillitis p. 19.
- Lashchevskiy, V. M. - Antihistamines in the treatment of acute pancreatitis p. 25.
- Volkova, L. P., Dobychina, L. I. - Relationship between parapapillary diverticulum of the duodenum and chronic pancreatitis p. 29.
- Kogen, A. L. - Duodenal fistulas following resection of the stomach p. 33.
- Muratin, D. S. - Abscesses of the prostate gland p. 35.
- Mukha, V. G. - Treatment of tumors of the parotid gland p. 40.
- Khvatova, E. A., Maitynkin, G. A. - Study of the blood coagulation system in some surgical diseases p. 40.
- Amelin, A. Z. - Fatal complications following fractures of the femoral neck p. 59.
- Kurbatov, A. I. - Tomographic studies in gunshot osteomyelitis p. 62.
- Gritsman, I. I. A. - Some aspects of mechanical suturing in surgery p. 69.
- Kazantsev, F. N. - Content of catechol amines in the blood during inhalation anesthesia p. 64.
- Chakhonashvili, G. A. - Changes in the blood cholinesterase activity under the influence of anesthesia and surgical trauma p. 68.
- Kutsevlina, A. N. - Some indices of body reactivity during anesthesia and surgery p. 71.
- Bairov, G. A., Polashnikova, S. B., Mankina, N. S. - Cytocorrectional examination of newborn infants with gastrointestinal development defects p. 76.
- Feldman, Kh. I., Zabara, R. I. - Cutaneous and gastrointestinal eruptions in abdominal purpura p. 76.
- Izvekova, V. B. - Depressed fractures of the cranial vault in children p. 87.
- Grigovich, I. N. - Open dislocation of the hip joint in a child p. 93.
- Akhmedov, M. A., Khashimov, I. Kh. - Trichobozoar in a child p. 94.
- Gradauskas, I. K. - Rare case of parasitic monstrosity in a child p. 94.
- Gonchar, M. A. - Plastic surgery on the urethra injured in a pelvic fracture p. 96.
- Samolov, G. S. - Substitution of extensive defects of the humerus p. 98.
- Dinkin, V. M. - Echinococcal bone lesions p. 101.
- Fedorov, A. A. - Osteosynthesis of the clavicle with capron thread p. 104.
- Shaposhnikov, I. U. G., Likhachev, I. U. P. - Chondromyxoid tumors of the extremities p. 105.
- Usova, M. M. - Simple stand for easy application of a plaster cast to the leg p. 107.
- Zakharov, I. I. - Changes in serum protein fractions in chronic osteomyelitis p. 108.
- Khaidarov, A. Kh., Multakandov, S. A. - Hemostatic effectiveness of Lagochilus tincture in dermatoplasty in burns p. 109.
- Khanov, V. I., Paris, E. I. - "Post stamp" forms in free dermoplasty p. 111.
- Muratov, D. I. - Treatment of ingrown nails p. 112.
- Trakhtenberg, M. G. - Removal of a rhabdomyosarcoma - a vitalizing tumor of the ovary p. 115.
- Lukhina, F. I. - Cytological diagnosis of metastatic adenoma of the thyroid gland p. 118.
- Kubitskii, R. V. - Role of biopsy of bifurcation lymph nodes in the determination of the operability of pulmonary cancer p. 119.
- Furmanchuk, V. M. - Bilateral resection of the lungs in bronchoesophageal fistula p. 120.
- Cheshek, V. G. - Bronchotomy in endobronchial hamartoma p. 122.
- Kuznetsov, R. V. - Spontaneous closure of a broncho-biliary fistula p. 123.
- Uzlov, V. A. - Perforating duodenal ulcer in a 88-year-old patient p. 124.
- Kasimov, A. S., Kokhitov, V. K. - Excision of pheochromocytoma in a small surgical ward p. 125.
- Orlovskiy, V. M., Dirger, D. N., Voinilo, E. I. - Anaerobic phlegmon and gangrene of the scrotum p. 127.
- Vanevskii, V. L. - Some problems of local anesthesia; based on materials of the International Anesthesiological Symposium, Budapest, 1963 p. 129. (DNLM)
- Vol. 93, no. 12, Dec. 1964.
- Table of contents translated:
- Saenko, A. I. - Repeated surgery for cancer of the stomach p. 3.
- Regozov, L. I. - Removal of the cardia and the lesser curvature of the stomach in the resection of the thoracic portion of the esophagus for cancer p. 7.
- Val'ter, V. G., Chichkov, I. U. F. - Early fully adequate nutrition for patients following resection of the stomach p. 11.
- Reshetov, L. D. - Results of surgical treatment in perforating gastroduodenal ulcers p. 14.
- Nurmukhamedov, R. M. - Acute intestinal obstruction in elderly and senile persons p. 17.
- Vinogradov, V. V., Orlovskiy, E. V. - Roentgenomanometric examination of the biliary tract p. 19.
- Chalkovskii, G. N. - Experience in the surgical treatment of cholecystitis and its late results p. 24.

- Zak, I. U. I., Rozanov, I. B. - Late results of surgical treatment in cholecystitis. p. 29.
- Deriugina, A. V. - Results of the treatment in cancer of the gallbladder. p. 32.
- Kostin, V. S. - Alloplasty in surgery for large postoperative and recurrent inguinal hernias. p. 37.
- Grammik, T. A. - Abdomino-anal resection of the rectum for cancer. p. 40.
- Novikov, A. N., and others. - Methodology of regional perfusion chemotherapy of the lungs for malignant neoplasms. p. 44.
- Daniel-Bek, K. V., and others. - Methodology of regional chemotherapy of malignant neoplasms of the extremities by perfusion. p. 48.
- Kozlov, I. Z., Gornak, K. A. - Basis for diaphragmoplasty in experimental cardiac aneurysm. p. 52.
- Chumachenko, N. L. - Changes in the wall of a vascular autotransplant and its innervation in a growing organism; experimental study. p. 59.
- D'iachenko, P. K. - Anesthesia and reanimation in severe shock and terminal states. p. 66.
- Rozovskiy, N. V., Alks, A. O. - Extrapulmonary use of nitrogen oxide in the early postoperative period. p. 74.
- Chernyshev, V. N. - Use of some modern methods of anesthesia under conditions of a small surgical ward. p. 78.
- Batrov, G. A., Ostropol'skaya, E. A. - Congenital absence of muscles of the anterior abdominal wall in children. p. 83.
- Dmitriev, M. L., Prokopova, L. V. - Characteristics of the course of acute appendicitis in children with spinal fractures. p. 88.
- Kisilevskiy, R. M. - Late results of the treatment of oblique inguinal hernias in children using T. P. Krasnobay's surgical method. p. 90.
- Bilich, G. L., Khan, N. A. - Rare complication following surgery for strangulated hernia in a child. p. 92.
- Datkhaev, I. U. I. - Urgent surgery in a newborn infant for a dextral diaphragmatic hernia. p. 93.
- Pollanski, G. L. - Acute phlegmonous cholecystitis in a 5-year-old boy. p. 93.
- Shokhman, I. A. D. - Compression fracture of five thoracic vertebrae in a 12-year-old child with tetanus. p. 94.
- Pavlov, S. S. - 27 pathologic fractures in a 12-year-old girl. p. 95.
- Gazalov, B. M. - Papillary cancer of the thyroid gland. p. 97.
- Vlasov, V. V., Kuz'min, K. P. - Pancreatic cyst. p. 98.
- Donskaya, T. V. - Resection of the esophagus for recurrence of cancer in a patient having had extirpation of the stomach. p. 99.
- Ansimov, A. F. - Pseudotumors. p. 100.
- Starodubtseva, L. N., Gutorov, V. I. - Echinococcosis of the pancreas. p. 101.
- Kanono, A. G. - Isolated lesion of the pancreas. p. 101.
- Amphlogov, I. V. - Gastric torsion. p. 102.
- Gugushvili, A. V. - Simultaneous perforation of the vermiform process and the duodenum. p. 103.
- Mishchuk, A. D. - Combination of a rupture of the fallopian tube in tubal pregnancy with strangulated hernia. p. 104.
- Gurov, P. I., Il'debaev, A. I. - Combined injury of the chest, retroperitoneal space, pelvis and hip. p. 104.
- Vorgul', V. N. - Treatment of traumatic bursitis. p. 105.
- Prokofev, N. N. - General principles of outpatient surgery. p. 107.
- Borovyi, E. M. - Surgical treatment of thyrotoxic goiter complicated with fibrillating arrhythmia. p. 111.
- Ratner, I. U. A. - Some problems in the surgical treatment of tumors of the large intestine. p. 113.
- Uglov, F. G., Mikhailov, S. S. - Work of the 11th National Congress of the Surgeons of Rumania. p. 117.
- Sreseli, M. A., Kakhiani, S. - David Georgievich Ioseffant; on his 70th birthday. p. 125. (DNLM)
- Vol. 94, no. 2, Feb. 1965.
- Table of contents translated.
- Pytel', A. A. - Surgical treatment of nephrogenous hypertension and its results. p. 3.
- Kolesov, V. I., Pavlova, R. V. - Treatment of myocardial infarction by ligation of the internal thoracic artery associated with block of the pre-aortic nerve plexus. p. 13.
- Mzhe'skii, V. S., Bronshteyn, E. L. - Surgical treatment of heart injuries and Fieschl's operation. p. 20.
- Blesikina, T. G., Nemchenko, V. I. - Some problems of the diagnosis and surgical therapy of combined heart defects. p. 22.
- Porindin, V. T. - Basic modern methods of the treatment of thrombo-obliterating arterial diseases of the extremities. p. 28.
- Kurgyn, A. A. - Some causes of unfavorable results in arterial alloplasty. p. 32.
- Zakharov, V. A. - Use of anticoagulants in the treatment of thrombo-obliterating diseases. p. 36.
- Trubachev, V. I. - Postoperative thrombosis and embolism. p. 38.
- Gudynskaya, T. S. I. A. - Treatment of endarteritis obliterans with steroid hormones. p. 43.
- Al'gin, N. S. - Methodology for the evaluation of blood circulation in the vessels of the lower extremities in obliterating diseases and indications for reconstructive surgery. p. 47.
- Ardamatskaya, A. N. - Determination of the cholate-cholesterol coefficient and the amount of bile acid salts in cirrhosis of the liver and portal hypertension. p. 52.
- Kolesnikov, I. S., Gorelov, F. I. - Surgical treatment of chronic empyemas and bronchial fistulae following pneumonectomy. p. 55.
- Dolsenko, A. P., Zhuravetskiy, A. S. - Clinical aspects and surgical treatment of primary pleural tumors. p. 61.
- Vlunet, M. G. - Comparative data on two basic methods of bronchography. p. 67.
- Blokhin, N. N., Abbasov, A. T. - Primary dermatoplasty in the surgical treatment of skin cancer. p. 71.
- Barashkov, G. A. - Course of wound processes under nearly sterile conditions. p. 75.
- Guseva, E. M., Kalashnikov, S. A., Plotkin, L. L. - Laysan as suture and ligation material. p. 79.
- Delchev, P. I., Voronina, G. A. - Unilateral pulmonary anesthesia in surgery on the lungs. p. 83.
- Byk, M. M. - Use of ethylnorantiflaine in the treatment of respiratory disorders in early postoperative period. p. 86.
- Doletskii, S. I. A., and others. - Portohepatography and portokomometry through the umbilical vein in children. p. 89.
- Ismailova, V. N. - Pathological fractures in children with hematogenous osteomyelitis. p. 93.
- Grabchenko, I. M., Gaiduk, P. Kh. - Alloplasty in subtotal resection of the sternum. p. 96.
- Vilamovskii, T. S. - Treatment of heart injuries. p. 97.
- Korsunov, A. V. - Rare case of injury of the right auricle. p. 98.
- Mukhin, E. P. - Remote results of resuscitation of a patient with a perforating heart injury. p. 99.
- Taranin, N. A. - Intrapericardial injury of the aorta. p. 101.
- Gidzinskii, N. I. - Tension pneumopericardium in bronchopercardial fistula. p. 101.
- Kasatkin, L. A. - Tumor of the vagus nerve adhering to the common carotid artery. p. 103.
- Abramovich, I. U. A. - Foreign body injury of the esophagus complicated by mediastinal cervical phlegmon. p. 103.
- Ovchinnikov, V. A. - Inflammatory tumors following resection of the stomach. p. 104.
- Butnelli, A. M., Kravishvili, N. G. - Suture technique in perforating ulcers of the stomach and duodenum. p. 105.
- Karpunchev, V. S. - Gastrectomy and esophagoduodenostomy in cancer of the stomach. p. 108.
- Daniellian, G. A. - Formation of an artificial stomach from a segment of the transverse colon following gastrectomy for cancer. p. 108.
- Shalimov, A. A. - Methods of gastric resection insuring food passage through the duodenum. p. 109.
- Kilimnik, N. G. - Severe anaphylactic reaction to polyglucin infusions. p. 112.
- Pavlov, S. S. - Treatment of the surgical area with BF-6 glue. p. 112.
- Derevianko, I. M. - Concerning I. V. Fedorov's work, "On regeneration of a ureter following substitution of its defects with polyethylene prostheses. p. 114.
- Fedorov, I. V. - Reply to I. M. Derevianko's letter. p. 115.
- Zaporozhets, A. A. - Role of the greater omentum in protecting the abdominal cavity from infections and toxins. p. 119.
- Darbinian, T. M. - Is there a need for this type of electric stimulation of the heart? Discussion on the article of B. D. Zisl'in and others: "On controlled cardiac rhythm in pulmonary and pleural surgery." p. 133.
- Vail', S. S. - Veniamin Lazarevich Teplits, an obituary. p. 147. (DNLM)
15. AGRICULTURE
- a. GENERAL
- AGROKIMIIA [AGROCHEMISTRY]. Issued by Akademiya nauk SSSR and Ministerstvo sel'skogo khozaistva SSSR [Academy of Sciences of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 1, Jan. 1965.
- Table of contents translated:
- Kononova, M. M. - Soil humus and the life of plants. p. 3.
- Manchenko, I. P., Bodova, E. M., Farafonova, G. I. - Fertilizing of fields with organic-mineral mixtures and manure-soil composts. p. 13.
- Cherokov, N. I. - Availability of nitrogen to the root systems of leguminous and graminaceous species, based on data of a study using the isotope  $N^{15}$ . p. 23.
- Pytl'eva, P. N. - Role of urea in plants and its assimilation by the root system. p. 28.
- Mineev, V. G. - Effect of the foliar feeding of winter wheat with urea on the quantity and fractional composition of proteins in the grain. p. 34.
- Zolotarev, V. P. - Effectiveness of slow-acting nitrogen fertilizers in turf-Podzolic soils. p. 42.
- Simakin, A. I., Vasilenko, L. I. - Dynamics of nitrates in fertilized leached Chernozem soils in the Kuznetsov. p. 46.
- Zaenika, V. P., Tomashevskaya, E. G., Malinovskaya, S. M. - Splitting hard soluble calcium phosphates by the nodule bacteria of lupine. p. 53.
- Vlasuk, P. A., Rubashov, A. B. - Effect of the forms of potassium fertilizers on the physiological processes and yield of buckwheat in sandy soils of the Ukrainian Polesye. p. 58.
- Gurevich, S. M., Boronina, I. I. - Uptake and removal of nutrients by corn as related to the level of nutrition. p. 68.
- Mazaeva, M. M. - Available magnesium and its distribution in the various organs of plants. p. 73.
- Vlasuk, P. A., Karas', M. N. - Dynamics of the content of manganese in soils and plants. p. 80.
- Noll', I. F. - From the practices of the agrochemical mapping of soils. p. 89.
- Rakitin, I. U. V., Sopyev, A. B. - Physiological study of the defoliation and desiccation of Soviet fine-fiber cotton. p. 95.
- Guseinov, B. A. - Effect of herbicides affecting roots on plant nutrients in soils. p. 102.
- Zoz, N. N., Kolotenko, P. V., Makarova, S. I. - Experimental mutation of peas. p. 105.
- Goletskii, G. I. - Improved method for determining available phosphorus in ammonium carbonate extracts. p. 108.
- Physiological mechanisms connected with the development of potato sprouts. p. III.
- Kefeli, V. I., Turetskaya, R. Kh. - Role of natural auxins and inhibitors in the growth of plants. p. III.
- Askani, D. L. - Incorrect study of the effectiveness of manure-soil composts. p. 132.
- Vazhenin, I. G., and others. - Fifth International Congress on Fertilizers. p. 138.
- Bobrinskaya, M. A. - Loss of nitrogen in soil, based on the materials of the 8th International Congress of Soil Scientists. p. 143.
- No. 2, Feb. 1965.
- Table of contents translated:
- Dmitrenko, P. A., and others. - Effectiveness of fertilizers as related to soil moisture. p. 3.
- Makarov, B. N. - Liberation of nitrogen oxides from soil. p. 15.
- Morozova, A. V. - Uptake of nitrogen, phosphorus, and potassium by yields of farm crops. p. 21.
- Prostakov, P. E., Gornalimov, I. U. A. - Effect of irrigation on the processes of nitrification in light-colored chestnut soils of the semidesert zone. p. 33.
- Fedorovskii, D. V., Kashina, N. P. - Exchangeable potassium in soils of dry steppes and methods for its determination. p. 45.
- TSanaya, N. G. - Effect of the amounts of nitrogen, phosphorus, and potassium on the accumulation of free amino acids in the leaves of forage beans and oats. p. 57.
- Mosolov, I. V., Alekseevskaya, V. A. - Effect of phosphorus-potassium fertilizers on the metabolism, yield, and the quality of the grain in kidney beans. p. 65.
- Dul'binskaya, D. A., Iuzenasov, V. I. - Effect of the low temperature of the soil during the period of germination on the absorption and assimilation of  $P^{32}$  by wheat seedlings. p. 73.
- Zhukov, M. S. - Assimilation by plants of absorbed bases as related to their composition in soil. p. 76.
- Kolosova, N. A. - Effect of the acid reaction of the environment on plants. p. 81.
- D'eri, D., Zyryn, N. G. - Characteristics of the dynamics of manganese, cobalt, copper, zinc, and molybdenum in the system soil-plant. p. 87.
- Bel'chikova, N. P. - Organic matter of soils of the various degrees of cultivation. p. 98.
- Aulova, V. G. - Role of humic acids in the increase of the effectiveness of compound fertilizers. p. 110.
- Peresverov, V. N. - Physicochemical characteristics of Kovdor vermiculite as a substrate for the hydroponic growing of plants. p. 115.
- Maldan, Z. A., Vitol, A. I. A., Grinberg, G. I. A. - Methods for studying the total  $\beta$ -radioactivity of soils. p. 123.
- Orlov, D. S., Al'zubaidi, A. - Rapid method for determining the degree of solonization of soils using a glass electrode. p. 135.



- Sal'mikova, T. V., Zoz, N. N. - Types of dominant mutations induced by chemical mutagens, p. 142.
- Unanants, T. P. - Production of mixed fertilizers abroad, p. 146.
- Androeva, A. G., and others. - Production and use of fertilizers in Switzerland, p. 156.
- Shkonde, E. I. - Serial publication of "Agrochemical characteristics of soils in the U.S.S.R.", p. 105.
- Balashov, L. L. - Red phosphorus as fertilizers, p. 169.
- Kocherezhkin, V. G. - Session of the Scientific Council on the Problem of "Photosynthesis," p. 171.
- No. 3, Mar. 1965.
- Table of contents translated:
- Chakhkhan, M. Kh. - Life and work of Professor D. A. Sabinin, p. 3.
- Tomashevskii, D. F., Litvin, V. G. - Use of fertilizers in highly fertile, slightly leached, deep Chernozems with low humus content, p. 17.
- Leon'tev, A. K. - Role of organic and mineral fertilizers in the mobilization of nitrogen and phosphorus of leached Chernozems under intensive cultivation, p. 28.
- Gurevich, S. M., Boronin, N. K. - Effect of the various forms of mineral fertilizers on the yield of sugar beets in deep Chernozems under irrigation conditions, p. 35.
- Kulakovskaya, T. N. - Plant yield as related to the phosphate content of soil, p. 43.
- Fokin, A. D. - Kinetics of the soil absorption of phosphates, p. 55.
- Zhurbitkii, Z. I. - Effect of the environment on the mineral nutrition of plants, p. 69.
- Balashov, L. L. - Effect of fertilizers on the yield of potato varieties during the vegetation of the plant, p. 76.
- Guseinov, R. K., Rasulov, Dzh. A. - Effect of mineral fertilizers on the yield and quality of potato tubers in Daghestan, p. 83.
- Mashinskii, A. L. - Exudation and absorption of  $P^{32}$  by pine and birch roots under foliar feeding in pure and mixed stands, p. 91.
- Tsanava, M. G. - Effect of the level on nutrition on the content of amino acids in the proteins of forage beans and oats, p. 97.
- Ryzhova, L. V. - Regularities of the exchange of mono-valent  $K^+$ ,  $NH_4^+$ ,  $Rb^+$ ,  $Cs^+$ ,  $Li^+$ ,  $Na^+$  cations and bivalent  $Ca^{++}$ , and  $Sr^{++}$  cations on clayey minerals and soils, p. 108.
- Udovenko, G. V. - Effect of potassium and chlorine on the photosynthetic activity of a plant, p. 116.
- Akshupov, I. P., Kaimina, S. I. A. - Effect of trace elements on the yield and chemical composition of buckwheat, p. 122.
- Mashakov, S. M., Deeva, V. P. - Effect of trace elements on the uptake and translocation of  $C^{14}$ -labeled 2, 4-D in plants, p. 127.
- Kuntakov, S. I., Popov, G. N. - Boron, manganese, and molybdenum content of Chernozem soils in Saratov Province, p. 132.
- Geshkov, I. U. N. - Ways for increasing the effectiveness of triazine in the control of perennial stoloniferous weeds in the Virgin Territory, p. 136.
- Vol'skovich, S. N. - Scientific work in the field of the chemicalization of agriculture by the Academy of Sciences of the U.S.S.R. and the Academies of Sciences of the Republics, p. 152.
- No. 4, Apr. 1965.
- Table of contents translated:
- Selavii, A. K. - Brief summaries of the study of the effectiveness of organic-mineral fertilizers in the Geographical Network of Experiments with Fertilizers, p. 3.
- Dugaev, V. P. - Mineral fertilizers and farm manure, p. 20.
- Rachinskii, V., and others. - Kinetics of the decomposition of  $C^{14}$  amino acids in soils, p. 26.
- Liubarskaya, L. S., Babarina, E. A., Bratovskaya, A. N. - Accumulation and transformation of phosphorus in soils of various types during continuous use of phosphate meal, p. 31.
- Akhmyzov, B. P., Shovchenko, G. A. - Change in agrochemical characteristics of gray forest soils in the Central Black Earth belt during cultivation, p. 38.
- Romanenko, M. D. - Effect of a continuous use of fertilizers on soil fertility in orchards, p. 51.
- Sycheva, Z. F., Drozdov, S. N. - Effect of the forms of nitrogen fertilizers on the nitrogen and phosphorus metabolism and resistance of plants to low soil temperatures, p. 56.
- Novikov, V. A., Kazanskaya, L. N., Podvalkova, I. A. - Absorption of phosphorus and phosphorus nutrition of spring wheat, p. 61.
- Porot'kin, E. I. - Effect of irrigation and fertilizers on the yield of sugar beets, p. 67.
- Lisoval, A. P. - Effect of plants and fertilizers on the available humic and fulvic acid content of soil, p. 72.
- Koval'skii, V. V., Zaslavina, E. F. - Biogeochemistry of strontium, p. 78.
- Anishevskii, F. V., Potatueva, I. U. A., Gritsevich, I. U. G. - Mixed use of triazine derivatives with mineral fertilizers, p. 89.
- Chumachenko, I. N. - Comparative method for determining the soluble phosphate content of soils using ammonium carbonate solution, p. 85.
- Zymin, N. G., Imadi, T. Kh. - Evaluating the method for determining the content and variation of iodine in soil, p. 108.
- Makarevich, V. M. - Accelerated method for determining nitrogen in mixed fertilizers, p. 113.
- Gavva, I. A., Zinkovich, A. M., Palantitsa, I. A. - Determining the total potassium, sodium, and lithium in plant tissues without combustion, p. 116.
- Altunin, D. A. - Effect of the forms of potassium fertilizers on crop yields in light soils of Vladimir Province, p. 118.
- Podvalkova, I. A. - Dynamics of nucleic acids and other phosphorus containing compounds in oat leaves, p. 121.
- Abasheeva, N. E. - Trace elements in the biosphere and their use in agriculture and medicine of Siberia and the Far East, p. 130.
- Kolunov, T. M. - Soil fertility service and the use of fertilizers in Finland, p. 132.
- AKADEMIJA NAVUK BSSR, Minsk. Vestsi. Seriya sel'skagospadachykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin Series in the Agricultural Sciences], Minsk, no. 1, 1965.
- Table of contents translated:
- Skarapanau, S. H. - Ways for establishing the feed supply on collective and state farms in White Russia, p. 5.
- Charnauski, I. TS., Zhylinaki, M. A. - Intensification of agricultural production and improvement of soil fertility, p. 12.
- Rakhuba, M. K. - Forms of phosphorus in turf-Podzolic soils developed on loess and loess-type loamy soils, p. 20.
- Zhyliko, U. V. - Transverse cultivation of eroded soils, p. 30.
- Shelno, H. S. - Dimensions of water-absorbing forest plantations in eroded regions of White Russia, p. 32.
- Dzem'ianovich, A. M. - Possibility of using gouges of Starobin potassium salt deposits as fertilizers, p. 37.
- Stralkov, I. H., Maroz, M. A. - Maturation and defoliation of forage beans in White Russia, p. 42.
- Mukhin, N. D., Puhachova, T. I. - Study for breeding purposes of tetraploid winter rye in White Russia, p. 48.
- Dzeviatnu, A. S. - Growth of fruit crops in alluvial soils on the terrace of the Neman River, p. 53.
- Valuznev, A. H. - Breeding berry crops in White Russia, p. 61.
- Shul'ga, N. H. - Thermal treatment as a method for disinfecting serradella seeds, p. 68.
- Dubrovskaya, N. A. - Seasonal dynamics of the number of wireworms in a plow layer, p. 72.
- Iazubchik, A. A., Padzenau, K. P. - Herbicides in the control of weeds in sugar beet fields, p. 78.
- Zubkevich, H. I. - Effect of the sodium salt of 2, 4-D on weed seeds, p. 85.
- Struts, U. A. - Studying the strengthening of canal slopes with slabs, p. 89.
- Skrygan, A. I., and others. - Chemobiological method for obtaining protein-rich feeds from field crop waste, p. 96.
- Lemosh, V. F., Mikhailau, V. P. - Digestibility of nutrients in rations containing sugar beets used in swine feeding, p. 104.
- Rykalyna, Z. P., Mal'chenskaya, E. N., Shvedova, T. I. - Composition of milk and the quality of milk products related to the inclusion of sugar beets in rations for dairy cows, p. 112.
- Sontsau, K. M., and others. - Effectiveness of the use of substitutes for whole milk in rations for calves and young pigs, p. 117.
- Cherches, F. A. - Use of vitamin D<sub>2</sub> in fattening swine for meat, p. 123.
- Kavalev, M. A. - Development of immunity against rabies as related to the method and place of the administration of antirabic vaccination, p. 125.
- Hobzem, V. R. - A new species of Coccidia of cattle, p. 130.
- Harahlad, Kh. S., and others. - Postspawning death of roach in the Zaslav' Reservoir, p. 132.
- GHIDROTEKHNIKA I MELIORATSIYA [HYDRAULIC ENGINEERING AND RECLAMATION], issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 17, no. 2, Feb. 1965.
- Table of contents translated:
- Pavlov, G. N., Serebrennikov, F. V. - Long-furrow irrigation, p. 1.
- Gusakov, Kh. P., Khachaturov, R. M. - Mechanized saturation irrigation along long strips, p. 4.
- Tsigris, D. B., Karpova, N. V. - Calculation modulus for irrigation systems in the northwest of the R.S.F.S.R., p. 9.
- Grin, G. B. - Optimal regime of water release from the Volgograd Reservoir, p. 17.
- Musaev, Z. A. - Hydraulic calculations for transversal bottom sediment-intercepting chutes, p. 25.
- Karp, E. M. - Designs of joints for precast reinforced concrete structures, p. 32.
- Saladze, I. D. - Improved joints for flumes, p. 39.
- Smirnov, A. V. - Depth for the laying of drains, p. 41.
- Batsuk, A. I. A. - Mechanization of sodding operations, p. 48.
- Silhi, E. A., Lombardo, N. D. - Regulator of the speed of filtration for slow filters, p. 51.
- Platigorskii, A. A. - At a seminar on the construction industry, p. 57.
- In memory of M. N. Anan'ev, p. 63.
- Vol. 17, no. 4, Apr. 1965.
- Table of contents translated:
- Shugaev, V. V., Nazarov, A. T. - Manufacture of thin-walled reinforced concrete members by the vibratory bending method, p. 1.
- Tsarevskii, A. M., Matkovskii, K. A., Khrestalev, M. I. - Hydrocyclone, its use and hydraulic calculations, p. 12.
- Bezel'skii, A. R. - Discharge capacity of low weirs of a curvilinear profile, p. 20.
- Rabochev, G. I. - Bayram-Ail subsurface drainage, p. 30.
- Rubinshtein, A. L. - Forecasting the deformation of structures on loess-type soils, p. 35.
- Ariol', R. S., Bereznor, A. S. - Practices in preliminary wetting of loess-type soils, p. 39.
- Khomnik, K. T. - Intensity of land drainage in some countries, p. 48.
- Gavrilko, V. M. - Critical remarks on some designs of filters, p. 51.
- Klumelevskii, A. A. - Manufacture of filters for water intake wells in a plant, p. 57.
- Aleksai Mikhailovich Tsarevskii, his 60th birthday, p. 63.
- IVANOVO, SEL'SKOKHOZIAISTVENNYI INSTITUT, Sbornik nauchnykh trudov [AGRICULTURAL INSTITUTE. Papers], No. 21, 1963.
- Table of contents translated:
- Valatin, A. V. - D. N. Prishchikov, founder of Soviet agricultural chemistry, p. 3.
- Valatin, A. V. - Green manure as an important means for increasing farm plant yield in turf-Podzolic soils of Ivanovo Province, p. 23.
- Baranov, A. M., Kartashov, I. U. D. - Soils in the trans-Volga area of the Kineshma Agricultural Administration of Ivanovo Province and ways for increasing their fertility, p. 46.
- Dmitriev, S. S. - Effect of organic-mineral fertilizers and nitrogen supplements on the effectiveness of the band placement of granulated superphosphate for winter rye, p. 61.
- Kartashova, L. I. - Fertilizers for sugar beets in turf-Podzolic soils of Ivanovo Province, p. 103.
- Isakova, L. P. - Fertilizers for forage beans in turf-Podzolic soils of Ivanovo Province, p. 117.
- Semenov, S. A. - Effect of fertilizers on the yield of blue lupine seeds in turf-Podzolic soils of Ivanovo Province, p. 125.
- Zhuravlov, B. A. - Effect of fertilizers on the yield of European yellow lupine seeds in turf-Podzolic soils of Ivanovo Province, p. 138.
- Oksechenko, N. I. - Fertilizers for millet in turf-Podzolic soils of Ivanovo Province, p. 150.
- Shchennikova, T. F. - Fertilizers for corn in turf-Podzolic soils of Ivanovo Province, p. 158.
- (DNAL)
- KHIMIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE], Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 3, no. 3(17), Mar. 1965.
- Table of contents translated:
- Establish conditions for economic and safe use of chemical preparations in agriculture, p. 2.
- Tonkal', E. A., Naumova, E. P. - Effect of various types of mineral fertilizers on the protein complex of sugar beets, p. 4.
- Fleshkov, B. P., Savitskaya, E. M. - Effect of nutrition conditions on the amino acid composition of wheat, p. 8.
- Zueva, N. P., Tikhonov, N. I. - Effect of fertilizers on the quality of potatoes, p. 16.
- Mokriovitch, G. L., Ignatovich, G. M. - Effect of fertilizers PMU-7 containing zinc besides several other trace elements on the yield of farm crops, p. 22.
- Kambulova, L. D., and others. - Method of nonaqueous titration for the analysis of nitrogen fertilizers, p. 26.
- Andreeva, E. I., and others. - Mercurohexan as a disinfectant of wheat seed, p. 27.



- Ksenzova, E. N. - Effect of TMTD and zineb on the yield and quality of peas p 31
- Ganper, N. M., and others - Toxicity of some insecticides to the shield bug *Eurygaster integriceps* p 33
- Puchkova, I. I. - Effect of phosphorus organic insecticides on the carbohydrate metabolism in pine needles; preliminary report p 34
- Vylegzhanina, G. F. - Polarographic determination of zineb in grape leaves p 37
- Klimashevskii, E. L. - Physiological heterogeneity of corn varieties as related to the use of 2, 4-D p 40
- Zharova, R. G., Mukhametkaliyev, T. M. - Effect of herbicides on the quality of stawberries p 43
- Belaev, P. V. - Chemical weed control in coriander fields p 46
- Chkanikov, D. I., Makeev, A. M., Pavlova, N. N. - Effect of halophenol acids on the oxidative phosphorylation of plants p 48
- Rykalova, T. N. - Methods for determining the economic effectiveness of chemical means of plant protection as exemplified by herbicides p 53
- Melnikov, N. N., Khasin, B. A., Shvetsova-Shilovskaya, K. D. - New disinfecting preparations. p 60
- Matveeva, N. F. - Nitrogen and sulfur metabolism in the organism of fine-wool sheep fed carbamide and substances containing sulfur p 63
- Ianovich, G. I. - Use of systemic insecticides against warble flies of cattle p 69
- Filatova, N. A., Viktorova, Z. A. - Use of herbicides in the control of shrubs p 70
- Solov'ov, F. A., Kosenkov, A. P., Timofeev, N. N. - Use of saproptol and trace elements in scientific experiments on the "Udarnik" State Farm p 71
- Andreeva, E. I., Posilavskii, I. U. M. - Symposium on the protection of sugar beets against pests, diseases, and weeds p 73
- Popov, P. V. - English-Latin dictionary of weed names (continuation) p 76
- KIEV, UKRAINS'KA AKADEMIIA SIL'S'KOHOSPODAR-S'KYKH NAUK, Trudy molodykh uchennykh [UKRAINIAN ACADEMY OF AGRICULTURAL SCIENCES, Papers by Young Scientists, No 9, 1963.
- Table of contents translated
- Zabrovarnyi, E. N. - Judging Simmental breeding cattle by the meat quality of offspring. p 5
- Benekhis, B. M. - Relation between butterfat and protein in milk in the zootechnical evaluation of cattle. p 10
- Ostapchuk, P. P. - Testing main swine breeds developed on farms in Lvov Province using the method of controlled raising and fattening p 14
- Kovin'ko, V. P. - Fattening and slaughtering qualities of crosses obtained from the crossing of White Long-Eared sows with Large White and Krolevska bears. p 20
- Ogli, V. G. - Characteristics of the postnatal growth of viscera in Berkshire and Mangalia swine and their crosses with Large White swine p 24
- Asarova, A. - Wool productivity in hybrid dual-purpose sheep produced by crossing with meat-type herd rams p 26
- Mescheriakov, V. I. A. - Blood groups and their role in the evaluation of the results of upgrading at the Antonyin Breeding Station p 34
- Belogrudov, I. G. - State of the cerebrospinal fluid in animals after a suboccipital injection of novocaine p 40
- Kozachok, V. S. - Calcium and phosphorus content of the bile of young pigs in health and in catarrhal gastroenteritis p 45
- Mosolov, N. D. - Hematologic indices, vacut oxygen of the urine, and gas and energy metabolism in unmated, pregnant, and lactating sheep. p 50
- Oleinik, B. V. - Methods for studying the secretory function of the liver in calves p 55
- Nelipa, P. A. - Change in the fermentation activity of the abomasal juice in calves during various age periods p 58
- Krasnobae, E. A. - Problem of studying the etiology of infectious gastroenteritis in swine. p 63
- Chumachenko, V. E. - Morphological and functional changes in the stomach of swine with catarrhal gastroenteritis under the effect of feed blomycin and feed terramycin p 73
- Samolov, M. D. - Improving the vegetation of carp spawning ponds. p 78
- Kharitonova, N. N. - Growing goldfish as a possibility for increasing the fish productivity of ponds p 82
- Kozadaeva, T. V. - Utilization of feeds by carp under natural conditions. p 85
- Ivachenko, A. I. - Wintering of bees in cold premises p 90
- Mitrofanov, G. V. - Effectiveness of the use of brood and one-litter sows p 93
- Rozdobud'ko, N. M. - Possibilities for increasing the production of eggs and poultry meat in the suburban zone of Kiev. p 98
- Furdilak, A. V. - Economics of animal husbandry in a beet-growing district as exemplified by collective farms of the former Skalat District, Ternopol' Province. p 103
- Chernysh, A. S. - Ways for increasing the profitability of the production of milk and beef as exemplified by 92 collective farms in the Polesye zone of Zhitomir Province. p 109
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 5, 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO KIRGI-ZH [COLLECTIVE AND STATE FARM PRODUCTION OF KIRGHIZIA]. Issued by Ministerstvo sel'skogo khoziaistva Kirgizskoi SSR [Ministry of Agriculture of the Kirghiz S.S.R.]. Frunze, vol. 11, no. 5, May 1965
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO MOLDA-VII [COLLECTIVE AND STATE FARM PRODUCTION OF MOLDAVIA]. Issued by Ministerstvo sel'skogo khoziaistva Moldavskoi SSR [Ministry of Agriculture of the Moldavian S.S.R.]. Kishinev, vol. 10, no. 5, May 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO RSFSR [COLLECTIVE AND STATE FARM PRODUCTION OF THE R.S.F.S.R.]. Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Moscow, nos. 5-6, May-June 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHI-KISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN]. Organ of Ministerstvo sel'skogo khoziaistva Tadzhikskoi SSR [Ministry of Agriculture of the Tajik S.S.R.]. Dushanbe, vol. 19, no. 6, June 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TURK-MENISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TURKMENISTAN]. Issued by Ministerstvo sel'skogo khoziaistva Turkmenskoi SSR [Ministry of Agriculture of the Turkmen S.S.R.]. Ashkhabad, vol. 9, no. 4, Apr. 1965.
- MEKHANIZATSIIA I ELEKTRIFIKATSIIA SOTSIALISTI-CHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANIZATION AND ELECTRIFICATION OF SOCIALIST AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, no. 2, 1965.
- Table of contents translated
- Militant program for the further development of agriculture p 1
- Dubrovina, N. G. - Effectiveness of vibrating cultivator sweeps. p 6
- Vasil'kovskii, S. M. - Studying the active working parts of a cultivator. p 7
- Voronezhskii, V. I. - Down-the-row thinner for operation at increased speeds. p 9
- Rovnyi, G. A. - Calculations for the process of drying by ventilation. p 11
- Shpollanskii, D. M. - Machinery for the continuous harvesting of cotton. p 14
- Goberman, V. A. - Some problems of establishing continuous production processes in harvesting farm crops. p 16
- Sushko, I. S., Fedan, V. I. - Calculations for mechanized continuous production processes at livestock farms p 18
- Izakov, F. I. A., Blonskaya, A. P. - Effect of the parameters of electrical processing of seeds before sowing on the development of the plant and the yield. p 22
- Lur'e, L. S., and others. - Selecting parameters and the apparatus of radiation source for processing potatoes before planting p 24
- Prokof'ev, N. S. - Determining the economic effectiveness of gamma units. p 26
- Information pp. 28, 46, 54, 62.
- Komarov, D. T. - Increasing the reliability of the electric power supply p 29
- Dudina, V. E., and others. - Determining the loss due to the interruption of the electric power supply. p 31
- Ageev, L. E. - Effect of the speed of movement on the expenditure of power and efficiency of units. p 33
- Vodlanik, I. I. - Resistance of a crawler tractor to self-movement as related to the traction load. p 35
- Kniazev, A. A. - Arrangement of the bodies of a tractor-driven plow. p 36
- Gorodetskii, P. I., Cheremis, M. V. - Checkrow planter for operation at increased speeds. p 37
- Faibushevich, G. Z. - Studying the clogging of the sieves of grain cleaning machines. p 39
- Sudit, Zh. M., Shterental', M. I. - Extending the domain of the use of the OAN-II "Raketa" aerosol sprayer. p 40
- Stolushkin, I. A., Kandlov, I. U. S. - Studying the resistance of grapevines to cutting. p 41
- Bel'skikh, V. I. - Cooling tractor engines by using diesel fuel. p 42
- TSvikh, V. M. - Use capital investments in rural electrification more efficiently. p 43
- Akhmedov, M.-Sh., Khodzhaev, M. N. - Expediency of the electrical heating of dwellings. p 44
- Markunin, V. A. - Use of a transformer with a Y/Δ-II network connection p 45
- Omurov, A. F. - Results of testing a complex of machines for continuous harvesting of grain. p 47
- Ivan Fomich Vasilenko. p. 51.
- Kleinman, G. T., Sharykin, V. S. - The EK electronic classifier. p 52
- Akopov, R. M. - Capacitive soil moisture transducer. p 54
- Listov, P. N., Flitkin, P. A. - Electrical systems used in agriculture in England. p 55
- Antskii, V. I. - Mechanization of the drying of breeding material p 58
- From the pages of foreign journals. p 66.
- Bagaev, M. I. - Engineers-practitioners should have a good textbook. p 63
- Skrupnikov, P. S. - Paper's on the automation of agricultural production p 63.
- Dorosh, I. I., Derzeva, I. S. - Advanced method for technical maintenance. p 64
- MOSCOW, MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM. TIMIRIAZEVA, Izvestiia [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW, Bulletin], No. 5, 1964.
- Table of contents translated
- Sergeev, S. S. - Economic problems of the intensification of agricultural production. p 3
- Kolesnev, S. G., Vekiser, I. U. F. - Consistent deepening of specialization as the most important condition for the intensification of agricultural production. p 27
- Vasilenko, M. P. - Change in the level and structure of labor expenditure on collective farms during the increase of the intensification of agricultural production. p 39
- Listov, P. N. - Electrification and its role in the intensification of agricultural production. p 53
- Gul'fakh, I. V. and others - Efficient use of fertilizers as a means for the intensification of agriculture; results of studies on the systems of the use of fertilizers in field crop rotation on the "Dubki" Experimental and Training Farm. p 74
- Kolpakov, V. V. - Combining irrigation with the use of fertilizers as a decisive factor in the increase of crop yield in arid regions of the European part of the U.S.S.R. p 83
- Stepanov, V. N., Golunova, N. K., Solov'eva, Z. M. - Yield capacity and productivity of farm crops during crop rotations of various combinations in central regions of the non-Chernozem belt. p 106
- Trisvitskii, L. A. - Ways for reducing the biological loss of grain during storage. p 122
- Rodnikov, N. P. - Soilless growing of plants as a method for the intensive use of greenhouses in vegetable growing. p 136
- Tarasenko, M. T., Kornatskii, A. P., Sokratova, E. G. - Use of hydroponics in vegetative propagation of orchard plants. p 148
- Dunin, M. S. - Immunity and chemistry in protecting plants against diseases and pests. p 165
- Bakanov, V. N., and others. - Use of corn silage in intensified dairying. p 179
- Smelnev, S. I. - Working out the technology for the commercial production of broiler meat and eggs. p 197
- Savich, I. A. - Problems of the intensification of swine raising and breeding work. p 212
- Gromyko, I. D., Kolpenskaya, N. P., Rostovskova, O. S. - A unique collection of soil samples. p 228
- MOSCOW, VSESOUZNYI NAUCHNO-ISLEDovATEL'SKII INSTITUT gidrotekhniki i melioratsii. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF HYDRAULIC ENGINEERING AND RECLAMATION, Transactions], Vol. 44, 1964.
- Table of contents translated
- Agasv, O. - Practices in cotton irrigation along prolonged furrows using flexible pipelines and siphons; as exemplified by the "Moskva" Collective Farm in Mary District, Turkmenistan. p 5
- Miasishchev, S. I. - Use of land with an irrigation network; as exemplified by the Kazakhstan-Kirovo Irrigation System. p 18
- Silin, E. A., Lombardov, N. D., Iarovskii, Z. I. A. - Work of a sand filter in running water. p 22
- Maslov, B. S. - Precision in determining peat moisture. p 30
- Lysala, L. B. - Economic evaluation of the drainage rate of bogs for forage plants. p 36
- Maslova, A. A. - Studying the effectiveness of mole drainage in mineral floodlands. p 43

- IAkovlev, N. P. - Studying the movement of air accumulation in pipelines p. 52.
- Vartanov, I. I. - Hydraulic studies of the hydrant-type sluice gates of distribution pipelines and the MRV-II pendulum flowmeter p. 61.
- Misenov, V. S. - Selecting a design scheme for a tubular-type pressure spillway p. 74.
- Kattagova, M. G., Mochalov, I. P. - Nature of injecting clayey solutions into fine grain sands p. 84.
- Kallagova, M. G., Korenev, J. N. - Use of a hydraulic integrator for solving filtration tasks p. 97.
- Mareev, I. P. - Use of bitumen and soil cement for constructing antifiltration things on the canals of an irrigation network p. 110.
- Prilepin, I. T. - Studying dynamic stresses originating in the truss of the DDA-100M sprinkler unit during its motion p. 117.
- Grigorlan, N. A. - Hydraulic losses in jet sprinkler apparatus p. 129.
- Dokuchaev, N. A. - Practices in the use of bulldozers mounted on C-80 tractors during the construction of the first section of the Karakum Canal p. 135.
- Kamashov, A. V. - Studying the process of cutting the wood of a newly felled shrub using a knife across the fibers under normal pressure p. 143.
- Esenov, D. - Economic aspects of the use of canal levees with reinforced profiles in the construction of the Karakum Canal p. 148.
- Nikolaev, V. M. - Methods of calculating for designing the hydraulic fill of narrow-profile levees p. 157.
- Erokhin, V. D. - Formation of free slope in hydraulic filling of structures p. 167.
- Despalvi, P. S. - Determining the density of soils by the gamma-gamma probe in the process of the hydraulic filling of structures p. 176.
- Silagadze, V. A. - Problem of damming the channel of large rivers p. 184.
- Men'ukov, V. P. - Hydraulic-fill construction of dams from gravel-sandy soils at the South Surkhan Reservoir p. 190.
- Silin, E. A., Iarostavskii, Z. I. A. - Experimental and designing studies in the field of electrochemical purification of drinking water p. 197.
- Karev, V. B. - Economic justification of measures concerning water supply in animal husbandry p. 209.
- Silin, E. A., Iarostavskii, Z. I. A. - Results of studies on the coagulation of drinking water using the electrolytic method p. 210.
- Shpenko, O. P. - Effect of the geometry of the pickup of a neutron moisture meter on the form of the calibration curve p. 228.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT MEKHAIZATSII SEL'SKOGO KHOZIAISTVA.** Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE FOR THE MECHANIZATION OF AGRICULTURE. Transactions]. Moscow, vol. 39, 1964.
- Contents: Elizarov, V. P., Kut'kov, G. M., Shlufman, M. M. [Studying the dynamics of tractor-driven machinery on electronic analog computers] Issledovanie dinamiki mashinno-traktornogo agregata na analogovykh vychislitel'nykh mashinakh. 158 p.
- ORENBURG. SEL'SKOKHOZIAISTVENNYI INSTITUT.** Trudy [AGRICULTURAL INSTITUTE. Transactions]. vol. 14, 1963.
- Table of contents translated:
- Bakhmutov, V. A. - Condition for the sliding of a body on a plane in the presence of the forces of adhesion p. 5.
- Bakhmutov, V. A. - Condition for the self-cleaning of plane surfaces of adhered soil p. 14.
- Degtyev, M. D. - Methods for determining the economic effectiveness of prolonging the utilization span of oil p. 28.
- Dudchenko, K. G. - Trajectory of the center of the main crankshaft journal of the D-54 engine during its work cycle p. 34.
- Enikeev, F. M., Pogrebniak, D. T. - Studying the work and regulation of the lubrication system units of diesel engines p. 45.
- Kazak, I. U. G. - Ways of alloying in build-up welding with a weaving arc method p. 55.
- Kuz'michev, V. E. - Determining the maximal turning angle of the guide wheels of a tractor p. 60.
- Parshin, A. D. - Chill casting of aluminum alloys p. 65.
- Parshin, A. D. - Casting cast iron in metallic and semimetallic molds p. 72.
- Polishchuk, I. U. M. - Mechanism of elastically yielding bearings of rotating machines p. 76.
- Polishchuk, I. U. M. - Determining the critical speed for the movement of the shaft of a liquid separator p. 88.
- Polishchuk, I. U. M. - Characteristics of kinematic and power calculations of the mechanism of the hydraulic drive of mounted agricultural implements p. 94.
- Uli'yanov, F. G. - Increasing the loadability and adhesion characteristics of wheeled tractors p. 99.
- Kristianovskii, I. P. - Intertillage of corn at increased speeds p. 115.
- Khrustanovskii, I. P., Naumov, K. M. - Determining the technical state of tractor engines by means of compressed air p. 124.
- Chechevan', V. N. - Results of studying the dynamics of the DT-24 and T-28 tractors with various types of running elements p. 129.
- Chechevan', V. N. - Studying the dynamics of a semi-crawler tread on a wheeled tractor of medium capacity p. 142.
- Batalin, A. Kh. - Centennial of spectrum analysis p. 154.
- Batalin, A. Kh. - Use of tetracyclines as analytical reagents for the detection of tetravalent cerium cations p. 174.
- Batalin, A. Kh., Poliakova, S. M. - Use of p-toluidine and p-anisidine as indicators in cerimetry p. 178.
- Bukunov, I. G., Komnatnyi, S. K. - Methods for the adjustment of multistep electrodynamic voltage regulators p. 183.
- Vidgorchik, V. M., Davydov, V. A., Polishchuk, I. U. M. - Transducer with a differential mechanism for simultaneous measuring of linear velocities and the accelerations of large shifts p. 188.
- Vidgorchik, V. M., Davydov, V. A., Polishchuk, I. U. M. - Experimental determining of strains in the parts of a slotting machine p. 190.
- Vidgorchik, V. M., Davydov, V. A., Polishchuk, I. U. M. - Measuring the angular velocity of a rotary motion by an impulse induction pickup and the estimation of measurement errors p. 209.
- \*POCHOVEDENIE [SOIL SCIENCE].** Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, no. 5, May 1965.
- Table of contents translated:
- Zaidel'man, F. R., Oglesnev, A. K. - Change in the chemical characteristics of turf-Podzolic soils due to gleying p. 1.
- Sokolov, I. A., Karaeva, Z. S. - Migration of humus and some elements in the profile of volcanic forest soils in Kamchatka p. 12.
- Butov, V. V. - Role of absorbed magnesium in the formation of Solonetz soils in the Turgay Gates p. 21.
- Zimovets, B. A. - Characteristics of the accumulation and distribution of iron in the forest soils of the Amur Valley p. 27.
- Krym, I. A. - Forms of trace elements in some soils of the Or'-Kumak watershed p. 37.
- Lishtvan, I. I., Mamtsis, A. M., Petrukhin, V. P. - Studying the acidity of peat-bog soils p. 47.
- Kuznetsov, N. T., Shelaikina, O. A., Kitukanova, I. A. - Physicochemical characteristics of suspended sediments in the Amu Darya Delta p. 50.
- Keimkanov, S. U. - Soil erosion in the forest-steppe belt of southern Dagestan p. 57.
- Alekseeva, D. M. - Flame photometric and trilonometric methods for determining calcium in plants p. 63.
- Iarkin, I. G. - Methods for obtaining pressed solutions from rocks p. 68.
- Kulik, N. F. - Lightened bar for a hand auger and formulas for calculating the quantity of work performed in boring p. 71.
- Dimo, V. N. - Work of the 1st Commission (Soil physics) of the 8th International Congress of Soil Scientists p. 74.
- Aleksandrova, L. N., Kononova, M. M. - Soil chemistry at the 8th International Congress of Soil Scientists (2nd Commission) p. 79.
- Mishustin, E. N., Giliarov, M. S. - Problems of soil biology at the 8th International Congress of Soil Scientists p. 85.
- Tserling, V. V. - Problems of soil fertility at the 8th International Congress of Soil Scientists p. 88.
- Lobova, E. V. - Work of the 5th Commission of the 8th International Congress of Soil Scientists p. 93.
- Minazhina, N. G., Skrynnikova, I. N. - Problems of soil improvement at the 8th International Congress of Soil Scientists in Bucharest p. 98.
- Gorbunov, N. I., Larlova, E. A., Reintam, L. I. U. - Problems of soil mineralogy at the 8th International Congress of Soil Scientists p. 101.
- Rudneva, E. N. - Research trip to southeastern Rumania p. 107.
- Zonn, S. V. - Soils trip of the second tour of the International Congress of Soil Scientists p. 115.
- Palotskaia, L. N., and others. - Grigorii Il'ich Dolenko; an obituary p. 118.
- Bibliography p. 121.
- REFERATIVNYI ZHURNAL: POCHOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, Avtorski ukazatel' za 1964 g. [Author Index for 1964]
- REFERATIVNYI ZHURNAL: POCHOVEDENIE. UDOBRENIE. MELIORATSIIA (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE. FERTILIZERS. RECLAMATION (Separate Issue 57)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos 10-11, May-June 1965.
- SEL'SKII MEKHAIZATOR [THE RURAL MECHANIC].** Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, no. 5, May 1965.
- SEL'SKOE KHOZIAISTVO BELORUSII [AGRICULTURE OF WHITE RUSSIA].** Issued by Ministerstvo sel'skogo khoziaistva Belorusskoi SSR [Ministry of Agriculture of the White Russian S.S.R.], Minsk, vol. 13, no. 9 (177), May 1965.
- SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.].** Issued by Tsentr al'naiia nauchnaia sel'skokhoziaistvennaia biblioteka [Central Agricultural Library], Moscow, nos. 11-12, 1964.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS].** Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.], Sverdlovsk, vol. 3, no. 5, May 1965.
- SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRICULTURE].** Issued by Eesti NSV Polumajandussaaduse Tootmise ja Varumise Ministerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.], Tallinn, vol. 20, nos. 9-10, May 1965. [In Estonian]
- TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE].** Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 25, no. 4, Apr. 1965.
- Table of contents translated:
- Sure way for strengthening the economics of collective and state farms p. 1.
- Denisenko, I. - Technology of growing sugar beets in the western province of the Ukraine p. 6.
- Karpov, A. - Complex of machines for potato growing p. 9.
- Boichenko, V. - Our practices in the placement of fertilizers p. 12.
- Kovalev, A., Kallchenko, V. - Mechanization of the work of the placement of mineral fertilizers p. 14.
- Sharov, A. - Attachment for unearthing grapevines p. 17.
- Berezhuov, N., Isachenko, V., Cheshun, L. - Hay-making by using a pickup baler p. 19.
- Tiutukhin, V., Izumov, S. - The PDN-7, 2-1 tractor-driven strip leveler p. 21.
- Borovenskii, N. - Changing the design of cam coupling for the DDA-100M sprinkling unit p. 22.
- Solomko, E. - Romodanovo Block Fattening Yard p. 24.
- Koba, V. - Swine fattening section on a state farm p. 27.
- Polonskii, L. - Overall mechanization of work on a dairy farm p. 29.
- Savinin, A. - Mechanized sheep-dipping p. 33.
- Kobchenko, N., Lochkarev, I. U. - Unit for feed fermentation and malting p. 34.
- Kozlov, D. - Use of a hammer brush cutter in the reclamation of new lands p. 35.
- Karascenko, V. - Automation of electric heating systems p. 39.
- Samoilov, M., and others. - Machine for the check-row planting of sugar beet seedlings p. 43.
- Grozov, A., Peshterian, P. - Machine for cutting and hauling grapevines p. 49.
- Kozlov, A., Frolov, M. - The PTU-10K feed distributor p. 51.
- Khal'khaev, A. - According to the practices of the "Ermak" State Farm p. 53.
- Samikov, V., Igumov, I. - Calculating means of mechanization for sowing grain crops p. 58.
- Skrynnik, N. - Modifying sowing machines of SSN-6B type for single-seed planting of sugar beets p. 61.
- Kashintsev, A., Lipetskii, S., Kan, M. - Characteristics of the operation of the SN-4B planter p. 63.
- Kommer, E. - Protecting disks for intertillage cultivation p. 66.
- Golovitsyn, S., Kan, M., Kistanov, E. - Power taken off from a synchronous shaft in driving the SN-4B potato planter p. 68.
- Zavgorodnii, M., Stovba, N. - Mechanism for automatic lifting and lowering of markers p. 70.
- Mnoslan, D. - Brakeless running-in of engines p. 71.

- Etun, V., Poddubnaia, A. - Restoring the casing of a hydraulic pump using epoxy resins. p. 72.
- Lunerski, I., Bogdanov, I.U. - Restoring longitudinal members of the MAZ-205 dump trucks. p. 73.
- Koslin, I.U. - Adjusting lubrication systems of the D-28 engine. p. 75.
- Pokhine, K. - Testing the oil pump of the SMD-14 engine. p. 76.
- Benditski, E. - Construction, testing, and adjusting the R75-V3 distributor. p. 77.
- Osipov, A., Sharashidze, G. - Specialization of repair enterprises in Transcaucasia. p. 79.
- Shmigel', V., Okulova, V. - Treating seeds before sowing on a sieve-type grain-grading electric machine. p. 80.
- Shirkov, A., Iankin, V. - Work indices of a crawler tractor operating on snow-covered virgin lands. p. 81.
- Senashko, M. - Repairing steering cranks of the "Belarus" tractor. p. 83.
- Erukhi, P. - Boring brake drums of motor vehicles. p. 84.
- Afanasyev, V. - Combined spreader of mineral fertilizers and lime. p. 84.
- Umanets, A., Reitman, I. - Improved design of hop heaters and dryers. p. 85.
- Bondarenko, N., Skochko, G. - Improved cutter for row crop cultivators. p. 86.
- Eroshenko, L. - Small-size gas generator. p. 87.
- Semiletov, A. - Restoring high-pressure flexible hoses. p. 87.
- Chobotarev, V. - Automation of the pumping up of trees. p. 88.
- Boldov, V. - Repairing high-pressure oil pipes. p. 89.
- Solov'ev, A. - Restoring the pumps of hydraulic equipment. p. 89.
- Chugunov, A. - Equip the silage harvesting combine with a low cutter attachment. p. 90.
- Dykhenko, I. - Improve the design of the 2STSN-6 planter. p. 91.
- Egiltsev, L. - Wood scrapers for a conveyor are cheaper and more reliable. p. 92.
- Burdin, A., Pakhmurin, V. - The HY-MAC 580 hydraulic excavator. p. 93.

**UZBEKISTON KISHLOK KHUZHALIGI [AGRICULTURE OF UZBEKISTAN].** Organ of Ministerstvo sel'skogo khozaiatstva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.]. Tashkent, no. 4, Apr. 1965. [In Uzbek]

**VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE].** Issued by Ministerstvo sel'skogo khozaiatstva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S.S.R.]. Alma-Ata, vol. 8, no. 4, Apr. 1965.

**Table of contents translated:**

- Kul'tayev, S. - Economic effectiveness of the reclamation of Solonchaks soils in the semidesert zone of Aktyubinsk Province. p. 3.
- Tokareva, N.P. - Processes of salt accumulation and salt balance in swamp soils in the piedmont of the Trans-Ili Alatau. p. 7.
- Dudenko, V.P. - Studying the methods of basic tillage of soil for peas as a fallow crop in the improved dry-farming area of Alma-Ata Province. p. 12.
- Amantayev, E.A., Azhigov, I.U.P. - Effectiveness of various amounts of simazine in corn fields under the conditions of dry farming. p. 16.
- Krykhtal', V.I., Lartionov, M.D., Khvatov, A.D. - Practice in the use of industrial wastes as trace element fertilizers in Chestnut soils of the irrigated zone in Alma-Ata Province. p. 20.
- Lukpanov, Zh.L. - Effect of insecticides on farm crops. p. 24.
- Fedotov, P.A. - Acclimatization of trotter breeds in Northern Kazakhstan. p. 28.
- Setembayeva, M.M., Bokova, M.P. - Wool grease in Kazakhstan fine-wool and semifine-wool sheep. p. 35.
- Pogodin, V.N. - Effect of various levels of feeding on the development of the hair in the embryos of Karakul sheep. p. 40.
- Khusainov, Z.Kh. - Productive qualities of swine in the inbreeding of hybrids produced by crossing Large White with Landrace swine. p. 49.
- Naurzbaev, E.N., Li, V.A., Es'kov, P.A. - General immunological reactivity in swine as related to their productivity. p. 54.
- Kozhebekov, Z.K., Altukhanova, B.A. - Change in pulmonary gas exchange and heat production in Kazakhstan fine-wool sheep in ontogenesis. p. 58.
- Gorbaletov, I.U.I. - Tensiometric method for measuring the speed of the movement of the grain mass in the clearance of a threshing machine. p. 62.
- Pugai, P.N., Bazilevich, N.A. - Plowshares for wide-strip sowing. p. 65.
- Danilchenko, N.V. - Calculating irrigation norms for the irrigation of farm crops. p. 70.

- Dzhangaliev, A.D., Rauzin, E.G. - Principles of the development of the technology of caring for wild growing fruit trees and the cultivation of fruit and berry crops in mountain areas of the Trans-Ili and Dzhangarian Alatau. p. 79.
- Zelepukhin, I.D. - Effect of chlorosis on the physiological conditions of apple in the Dzhezkazgan region. p. 84.
- Baiturin, M.A., Kofanuk, A.P., Popova, L.I. - Trace element content of feeds in Alma-Ata Province. p. 91.
- Pak, D.N. - Economics of breeding work. p. 95.
- Timchenko, I.T. - Economic effectiveness of dual-purpose cattle raising in West Kazakhstan Province. p. 98.
- Alimbaev, R.A. - Ecology of the hamster *Cricetus eversmanni* in Kustanay Province. p. 101.
- Ermekov, M.A., Kdymtazov, G.N. - Original experiment in fine-wool sheep raising. p. 106.
- Kovalenko, V.I., Titov, A.I. - Rates for sowing spring barley in unimproved dry-farming areas of Alma-Ata Province. p. 108.
- Ismaikhambetov, Zh.D. - Chemical methods for controlling the stem pests of the Schrenk spruce. p. 111.
- Uzenbaev, E.E. - Effect of the irrigation method on the development of the root system in cotton. p. 113.
- (DNAL)

**VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE].** Issued by Ministerstvo sil's'koho hospodarstva Ukrainy'kol RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 5, May 1965.

**VSESOIUZNAIA AKADEMIIA SEL'SKOKHOZIAISTVENNYKH NAUK IMENI V.I. LENINA, Doklady [LENIN ALL-UNION ACADEMY OF AGRICULTURAL SCIENCES, Reports].** Moscow, no. 2, Feb. 1965.

**Table of contents translated:**

- Kvasnikov, V.V., Chikulaev, V.P. - Effect of simazine and atrazine on the microflora of leached Chernozem soils. p. 1.
- Kochergin, A.E. - Deleting nitrogen fertilizer requirements of grain crops in Chernozem soils of Western Siberia. p. 5.
- Vengrenovskii, S.I., Balduv, A.TS. - Effect of various light conditions on the development and protein content of pea seeds. p. 9.
- Biskupskii, M.M. - Biology of the maturation of embryos in some cereals. p. 13.
- Ter-Avanesian, D.V. - Importance of cultivation practices in the evaluation of cotton collection samples for breeding purposes. p. 16.
- Abyzova, L.F., Polonskaya, M.S., Leonovich, V.V. - Desiccation of *Lactobacillus acidophilus* in pure culture and together with *Azotobacter*. p. 20.
- Zakharov, N.G., Kurtenier, D.A. - Possibilities of heating hotbeds using hot-air heating. p. 24.
- Komarov, N.M., Semenov, K.P. - Ionizing the air in poultry houses for laying hens. p. 27.
- Inditskaya, S.I.A. - Stimulating sexual function in Karakul sheep using hormonal neurotropic preparations. p. 30.
- Rish, M.A., Shcherbakova, L.I. - Biochemical mechanisms of copper deficiency. p. 33.
- Arzumanyan, Zh.R. - Effectiveness of antibiotics in the experimental leptospirosis of calves and lambs. p. 38.
- Shumakov, B.A., Dudnikova, L.G. - Irrigation of orchards on floodlands. p. 39.
- Baranov, I.V. - Effectiveness of the pneumatic conveying of flax seeds. p. 41.
- Terekhov, A.P. - Model studies of the traction dynamics of agricultural machinery using electronic computers. p. 46.

No. 3, Mar. 1965.

**Table of contents translated:**

- Zadontsev, A.I., Bondarenko, V.I., Povzik, M.M. - Optimal soil moisture and productivity of wheat plants of various ages. p. 1.
- Musliko, A.S., Kiluchko, P.F. - New corn varieties for food. p. 8.
- Brezhnev, D.D., Kazakova, A.A. - Variability in the characters of onions under the influence of growing conditions. p. 12.
- Atazhanov, M.A. - Characteristics of the development of cotton in the second and third generations from irradiated seeds. p. 16.
- Tiutunnikov, A.I., Pronin, V.A. - Effect of trace elements on the intensity of physiological processes in plants. p. 18.
- Dmitrenko, P.A., Vitrikhovskii, P.I. - Different ability of various legumes to assimilate phosphorus from hard-to-dissolve phosphates. p. 22.
- Berzin, I.A.M. - New system of feeding calves to the age of six months. p. 24.
- Rostovtsev, N.F., Krapivnikail, V.Z. - Meat productivity of young Red Steppe cattle and their crosses with Charolais cattle. p. 27.

- Pritulno, P.I. - Studying the pathogenesis of paratyphoid diseases in animals using fluorescent antibodies. p. 31.
- Altunin, V.S. - Kinematic and morphological characteristics of a stream flow. p. 36.
- Pogoshekov, M.I. - Power characteristics of farm motor vehicles. p. 42.

**ZA SOTSIALISTICHESKIU SEL'SKOKHOZIAISTVENNUU NAUKU [FOR SOCIALIST AGRICULTURAL SCIENCE].** Issued by Czechoslovak Academy sel'skohoziatstvennykh nauk [Czechoslovak Academy of Agricultural Sciences]. Prague, vol. 14, no. 1, 1965.

**1. ANIMAL INDUSTRY**

**KALININGRAD, KALININGRADSKII TEKHNIKHESKII INSTITUT RYBNOI PROMYSHLENNOSTI I KHIOZIAISTVA, Tudy [KALININGRAD TECHNICAL INSTITUTE OF FISHERIES, Transactions].** No. 14, 1962.

**Table of contents translated:**

- Baranov, F.I. - Some problems of ichthyology. p. 3.
- Andreev, N.N. - Study of the process of purse seineing by the method of mechanical imitation. p. 10.
- Andreev, N.N. - Choice of the magnitude of the coefficient of threading. p. 25.
- Kuznetsov, A.I. - Calculation of the wave forces acting on the walls of the nets. p. 37.
- Ionas, V.A. - Stability of the central wire of the leading wing of a stationary seine. p. 46.
- Ionas, V.A. - Catching ability of a bottom seine. p. 49.
- Motolkin, L.I. - Theoretical investigation of the use of a tuna fishing line. p. 53.
- Pankov, V.M. - Storm resistance (stability) of stationary seines. p. 68.
- Karakotskii, E.D. - Catching ability of stationary salmon seines. p. 78.
- Karakotskii, E.D. - Study of the efficiency of stationary salmon seines on the western coast of Kamchatka. p. 88.
- Fonarev, A.L. - Use of the circulation-breaking theory of a rectangular wing of small length for determining the hydrodynamical characteristics of a trawl door. p. 104.
- Fonarev, A.L. - Approximate determination of the coefficient of lifting force of a rectangular plate of small length when it is moving in a circle. p. 111.
- Obolenskii, E.I.U. - Preliminary results of the study of the resistance of a net. p. 116.
- Zasosov, A.V. - Comparative experiments with tarred lines of cotton and hemp used in making drift nets. p. 131.
- Sein, N.T. - Stocks, forecasts and real catches of fish in the Azov Sea. p. 144.
- Sysoev, N.P. - Production capacity of the net-knitting factories in the U.S.S.R. and their utilization. p. 159.
- Kondrat'ev, V.P. - Some problems in the experimental study of the catching ability of trawls. p. 165.

**LENINGRAD, VSESOIUZNYI INSTITUT RASTENIEVODSTVA, Bulletin' [ALL-UNION INSTITUTE OF PLANT CULTURE, Bulletin].** No. 10, 1962.

**Table of contents translated:**

- Chesnokov, P.G. - Use of gibberellin for determining the latent and inconspicuous forms of virus diseases of potatoes. p. 3.
- Dekapretyevich, L.L. - Hardy and stripe-rust-resistant species of soft wheat grown in Georgia. p. 8.
- Valenta, V., Misiga, S. - Some characteristics of the Crimean yellow virus. p. 12.
- Ter-Avanesian, D.V. - Indian cotton. p. 18.
- Zarubailo, T.I.A., Kisliuk, M.M. - Ultrasound as a mutagenic factor. p. 25.
- Makashova, R.Kh. - Best new garden pea varieties in Leningrad Province. p. 27.
- Dragozhnikskaya, V.M. - Immunity of wild species and interspecific hybrids of pears to scab. p. 30.
- Sofinskaya, V.I. - New specimens of fiber flax as prospective material for breeding. p. 38.
- Leokene, L.V. - New foreign varieties of the common and hairy vetches in the collection of the All-Union Institute of Plant Growing. p. 40.
- Kolomieta, T.A. - New specimens of sweet clover. p. 42.

**MOLOCHNOYE (VOLOGODSKAYA OBLAST') VOLOGODSKII MOLOCHNIY INSTITUT, Sbornik studenteskikh rabot [VOLOGDA DAIRY INSTITUTE, Student Papers].** Vologda, no. 3, 1963.

**Table of contents translated:**

- Krivtsov, I.U.M. - Work practices of the Tambov State Station of Artificial Insemination of Animals. p. 3.
- Sokolova, L.N. - Changes in the body type of swine during their fetal development. p. 13.
- Stepanova, S.A., Chesnokova, N.P., Podshivalova, V.N. - Photometric method for determining the amount of erythrocytes in the blood of cattle. p. 25.

- Lipina, V. S., Pushkina, M. I., Laitchina, Z. V. - Studying the practices of the milkmaid P. M. Smolina in the milking of cows. p. 39.
- Bellavina, I. F. - Characteristics of the growth of the lamb's wool of Romanov lambs. p. 41.
- Sokolov, I. U. S. - Change in the quality of sweetened condensed milk during prolonged storage. p. 51.
- Morashova, D., and others - Studying the effect of antibiotics on the change in titrated acidity of milk. p. 59.
- Malyutenko, N. I. - Free amino acids in Moscow cheese. p. 63.
- Zarudniak, V. D., and others - Studying the illumination of shops in the teaching and experimental plant of the Vologda Dairy Institute. p. 67.
- Sadkov, I. U. N., Gorbunov, S. A., Pomichov, A. P. - Studying circuits for preventing three-phase motors from working on two-phases. p. 75.
- Khabarov, I. P. - Use of a rotary pump in heating water and obtaining vacuum for milking units. p. 81.
- Kolychev, A. V. - Work of harvesting machinery in Vologda Province. p. 87.
- MOSCOW, VSESOUZNIY NAUCHNO-ISSLEDovATEL'SKIY INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAPHIY. Tudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. Transactions]. Vol. 49, 1964. Also numbered as: Vladivostok. "Tikhookeanskii nauchno-issledovatel'skiy institut ybnogo khoziaistva i okeanografiy. Izvestiya, vol. 61. Sovetskoye yekhozhziaistvennye issledovaniya v Severo-Vostochnoi chasti Tikhogo okeana [Soviet fishery research in the north-eastern part of the Pacific], no. 2.**
- Table of contents translated:
- Batalin, A. M. - Water exchange between the Bering Sea and the Pacific. p. 7.
- Plakhotnik, A. T. - Hydrological characteristics of the Gulf of Alaska. p. 17.
- Gurkova, Z. F., Vinokurova, T. T., Natarov, V. V. - Diagram of the wind-driven circulation of the Bering Sea currents in August of 1959 and 1960. p. 51.
- Vasilekova, N. G. - Temperature balance of surface waters in some fishery areas of the Bering Sea. p. 77.
- Davidovich, R. L. - Brief chemical characteristics of waters in the northwestern part of the Pacific Ocean. p. 93.
- Korolov, N. G. - Biology and fishery of the Kamchatka crab *Paralithodes camtschatica* (Tolstus) in the southeastern part of the Bering Sea. p. 99.
- Shevitsov, V. V. - Quantitative distribution of the bottom fauna in the Gulf of Alaska. p. 107.
- Ivanov, B. G. - Some results of the study of the biology and distribution of shrimps in the Pribilof area of the Bering Sea. p. 113.
- Ivanov, B. G. - Quantitative distribution of echinoderms on the shelf of the eastern part of the Bering Sea. p. 125.
- Mesheheriakova, I. M. - Quantitative distribution of plankton in the southeastern part of the Bering Sea in the summer of 1958 and 1959. p. 141.
- Skalkin, V. A. - Feeding habits of ocean perch in the Bering Sea. p. 151.
- Novikov, N. P. - Basic characteristics of the biology of the Pacific halibut (*Hippoglossus hippoglossus stenolepis* Schmidt) in the Bering Sea. p. 167.
- Shutnikov, D. A., Lisovenko, L. A. - Materials on the biology of rock sole (*Lepidopsetta bilineata*). p. 209.
- Minerva, T. A. - Materials on the biology of some flounder species in the eastern part of the Bering Sea. p. 215.
- Dudnik, I. U. I., Usoltsev, E. A. - Herring in the eastern part of the Bering Sea. p. 225.
- Barsukov, V. V. - Intraspecific variation of the Pacific Ocean perch (*Sebastes alutus* Gilbert). p. 231.
- Abakumov, V. A. - Sea life of the Pacific Ocean Janphey *Entosphenus tridentatus* (Richardson). p. 253.
- Krivobok, M. N., Tarikovskaya, O. I. - Chemical characteristics of the yellowtail flounder, codfish and Alaska pollack in the southeastern part of the Bering Sea. p. 257.
- OKHOTA I OKIOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 11, no. 6, 1965.**
- REFERATIVNIY ZHURNAL: ZHIVOTNOVODSTVO, VETERINARIYA (Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY, VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, May 1965. Avtorskiy ukazatel' za 1964 g. [Author Index for 1964]**
- RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoziaistvu pri SNKh SSSR [State Committee for Fisheries, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 41, no. 3, 1965.**
- Table of contents translated
- Our congratulations to you, dear women! p. 3.
- Babaiian, K. E. - Investigation of herbivorous fishes as an important means for higher fishpond productivity. p. 6.
- Fedorov, S. S. - Stock of individual schools of herring in the North Atlantic. p. 9.
- Pavlov, M. A. - Growth and maturation as main factors of the dynamics of fish stock. p. 12.
- Mallan, R. A. - Apparatus for consoling young commercial fishes caught by fine-meshed nets. p. 15.
- Bakhtangskii, E. L. - Effect of predatory fishes on the extension of seaward migration of salmon. p. 17.
- Astakhova, T. V. - Control of the fungous disease of sturgeon eggs. p. 20.
- Negrobov, V. P. - Abundance and fisheries of crayfish in the bodies of water of Vologda Province. p. 24.
- Tolkodubov, I. F. - Mooring of a BMRT to a floating base and loading and unloading works at sea from both sides. p. 24.
- Ermakov, V. I. - Methods of operation with the VAS-58 tables. p. 26.
- Rizhanov, I. U. M. - Efficient classification of serial fishing and transport ships in groups based on their stability. p. 28.
- Maklakov, A. I. A. - Trawling at great depths. p. 33.
- Domanovskii, L. N., Rishikov, O. G. - Characteristics of fishing operations in the Central Atlantic. p. 36.
- Kirylov, G. G. - First result of two-boat trawling. p. 38.
- Nikonov, I. V. - Selection of light arrangement in electric fishing. p. 41.
- Kondrat'ev, V. P. - Length of trawl lines. p. 44.
- Maslov, I. U. - Air lifts work. p. 47.
- Malzelis, M. R. - Methods of electric fishing in the inland bodies of water. p. 49.
- Vakhrushova, M. N. - Combined synthetic coatings for the preservation of fishery products. p. 53.
- Mel'nikova, O. M., Korobkin, I. I. - Are special norms needed for loading slightly- and medium-salted herring into the holds of refrigerator ships? p. 58.
- Dikan, P. P. - Content of carcinogenic substances in smoke and smoked products. p. 60.
- Nasedkina, E. A. - Methods of producing slightly salted caviar from the Pacific salmon. p. 62.
- Lukachev, O. P. - Rapid method of agar extraction. p. 64.
- Khristofersen, G. S. - Use of antioxidants in protecting salted anchovies from oxidation. p. 66.
- Danilov, I. U. M. - Bream in Tsilmylansk Reservoir. p. 68.
- Sovost'innov, B. A. - Processing endocrine whale organs on whalers. p. 70.
- Koval', V. D. - New agar plant in the Maritime Territory. p. 72.
- Perovoznikov, A. P., Butman, B. S. - Repairing SRT-type fishing boats according to the standard technological schedule. p. 75.
- Sorokin, A. V. - Methods of determining economically profitable overhauling of fishing boats. p. 78.
- Sudakov, A. A. - Some problems of whaling. p. 80.
- Saraf, G. V. - Business accounting for ships belonging to the fishing collectives. p. 82.
- Boitunova, O. S. - Wear, depreciation and repairs of basic stock of the fishing industry. p. 85.
- Makhsheev, V. G. - Japanese exhibition of plastics production and processing equipment. p. 92.
- Arliuk, I. U. I., Abramov, A. G. - Device for reeling bridle lines of fishing equipment, for example, drift nets. p. 95.
- Vol. 41, no. 4, 1965.
- Table of contents translated:
- To all workers of the fishing industry and fishing collectives of Kamchatka Province. p. 3.
- Pavlov, E. G. - Technological progress in the fishing industry in 1965. p. 4.
- Rizhanov, P. A. - Basis for our success. p. 6.
- Zilanzov, V. K. - Distribution of Micromesistius and prospects for its fisheries in the Norwegian Sea. p. 10.
- Antonov, A. E. - Forecasting relative yield of the Baltic cod and bank herring of the North Sea. p. 13.
- Sadlaev, K. A. - Considerations on ways of development of pond fish culture. p. 16.
- Bizhaev, I. N. - Some characteristics of the growth and wintering of young-of-the-year herbivorous fishes. p. 19.
- Azbelev, V. V., Shuster, B. I. - Contingent of salmon producers. p. 21.
- Vylegzhanin, A. F. - Diptococcal diseases of Caspian seals. p. 23.
- Arsen'ev, V. A. - Marking whales in the Far East. p. 25.
- Alekseev, G. D. - Loads affecting loading equipment. p. 30.
- Bykhovskii, I. U. I., Shehegolev, I. A. - Highly sensitive null indicator on ships. p. 34.
- Ermakov, V. I. - Methods of operating VAS-58 tables. p. 38.
- Nazarov, V. I. - Wide use of kapon molding in the fishing industry. p. 41.
- Bidenko, G. E. - Determination of the form of the net part of a trawl by photogrammetry. p. 44.
- Zimin, B. P. - Polystyrene floats for trawl fishing. p. 46.
- Vazhnov, I. N. - Machine for cutting fiber plant ropes. p. 47.
- Malzelis, M. R. - Methods of electric fishing in freshwater bodies. p. 50.
- Ryndich, N. N. - Problem of reliability of fish processing equipment. p. 53.
- Ivanova, S. I., Gofarsh, M. M. - Methods of microbiological study of salt herring. p. 57.
- Shavshaeva, L. E. - New process of cold bream and roach smoking. p. 59.
- Filutich, M. I. - Mechanized shop for refrigerated salting of herring. p. 61.
- Baev, V. I. - Mechanization of cutting gobies for canning. p. 66.
- Nechayeva, Z. T., Abissinskaya, M. G. - Use of a sardine dryer of continuous action for the production of "Herring in Oil" canned fish. p. 69.
- Tishinskiy, V. - Mathematical approach in the administration of fisheries. p. 70.
- Perevoznikov, A. P., Butman, B. S. - Control and bookkeeping in repairing serial ships. p. 72.
- Tieubergenov, Sh. - Some economical problems of the fishing industry in the Aral Sea. p. 75.
- Marochkin, P. - Work of the crews on "Kaspyra" demonstration ships. p. 78.
- Medushevskii, N. - Some problems of organizing paired expeditions by fishing boats. p. 79.
- Evtukh, N. I. - Increase in the rentability of Antarctic whalers. p. 80.
- Kozlov, I. I. - Organizing competition for communist labor on fishing boats of the Kaliningrad Base of Ocean-Going Fishing Fleet. p. 83.
- Druzhinin, A. D. - System of national control in observing fishing regulations in the North Atlantic. p. 91.
- Seminar on using synthetic materials in the fishing industry. p. 92.
- RYBOVODSTVO I RYBOLOVSTVO [FISHERIES AND FISHING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, no. 3, May-June 1965.**
- VOPROSY VETERINARNOI VIRUSOLOGII [PROBLEMS IN VETERINARY VIRUSOLOGY]. Moscow, vol. 1, 1964.**
- Table of contents translated:
- Pankova, G. E. - Susceptibility to the foot-and-mouth disease virus of the cultures of some tissues grown in a culture medium containing Hoffinger's hydrolysate. p. 7.
- Pankova, G. E., TSuverkalov, D. A. - Cultures of some animal tissues in media of muscle hydrolysates. p. 9.
- Teterina, A. V., and others. - Simple method of producing milk protein hydrolysates for tissue cultures. p. 13.
- Sushkov, V. F., Sergeev, V. A. - Morphological and cytological changes in kidney and heart cells of cattle during prolonged cultivation. p. 26.
- Skalinskii, E. I. - Submicroscopic changes in the chorioallantoic membrane of chicken embryo during the formation on an artificial air pocket. p. 40.
- Ivanushchenkov, V. N. - Simplified method for producing a tissue culture of cattle kidneys. p. 55.
- Krjukov, N. N., and others. - Effect of various aeration conditions on the duration of the survival of the explants of swine spleen. p. 60.
- Sushkov, V. F., Riabov, V. I., Karpov, O. N. - Reaction of tissue cultures to X-ray irradiation following their infection with the virus of foot-and-mouth disease. p. 67.
- Okovytil', A. S. - Effect of ultrasonic waves on the lapinized virus of cattle plague. p. 75.
- Sergeev, V. A., and others. - Reproduction of viruses in the culture of the survived tissue of immune animals. p. 80.
- Likhachev, N. V., and others. - Improving the method for mincing virus-containing tissues. p. 88.
- Degilarenko, N. L. - Preparing laboratory vessels for tissue culture. p. 92.
- Krasnikov, G. A. - Electron microscope study of the virus of foot-and-mouth disease. p. 95.
- Mel'nik, R. I., and others. - Use of the cultured virus of foot-and-mouth disease for the production of vaccines and diagnostic preparations. p. 104.
- Slusikina, A. A., Kuchmasov, I. S., Slusikina, M. S. - Reproduction of type A foot-and-mouth disease virus in a suspension of the kidney cells of cattle. p. 138.

- Sushkov, V. F., Labetskil, E. V., Sergeev, V. A. - Morphological and cytochemical characteristics of the tissue culture of a calf kidney infected by the virus of foot-and-mouth disease. p. 142
- Pichugin, L. M., Chevelov, S. F. - Morphological and histochemical changes in the survived tongue epithelium of cattle infected with the virus of foot-and-mouth disease. p. 148
- Grinets, I. G. - Morphological and functional changes in blood and bone marrow cells of chicken embryos infected with the virus of foot-and-mouth disease. p. 155
- Kopteva, L. A., TSuverkalov, D. A., Pankova, G. E. - Nitrogen metabolism in the tissue culture of a cattle kidney during the process of the reproduction of the virus of foot-and-mouth disease. p. 166
- Kopteva, L. A., TSuverkalov, D. A., Melnik, R. I. - Nitrogen metabolism in the culture of the survived tongue epithelium of cattle in the process of the reproduction of the virus of foot-and-mouth disease. p. 176
- Oleinik, N. K., Dudnikov, A. I. - Use of diffuse precipitation reaction in foot-and-mouth disease. p. 182
- Vorob'eva, M. M. - Purifying the lapinized virus of foot-and-mouth disease. p. 190
- Klenina, N. V., Lebedeva, E. P., Antonov, V. S. - Producing purified preparations of the virus of foot-and-mouth disease from various animal tissues using chloroform. p. 198
- Berutava, S. I. - Purification of the virus of foot-and-mouth disease using askanet. p. 203
- Salazhov, E. L., and others. - Virulent, immunogenic, and complement fixation characteristics of the virus of foot-and-mouth disease. p. 209
- Berutava, S. I. - Accumulation and multiplication of foot-and-mouth disease viruses in the blood of animals. p. 214
- Lihachev, N. S., and others. - Experimental antfoot-and-mouth disease virus vaccine made by the State Scientific Control Institute for Veterinary Preparations and the results of its use on farms. p. 220
- Sviridov, A. A. - Use of the virus neutralization reaction in the culture of the kidney tissue of baby rabbits for evaluating the immunity against foot-and-mouth disease. p. 227
- Mikhailov, S. K., and others. - Use of cultural virus of hog cholera for the preparation of vaccines and hyperimmune sera. p. 233
- Terlukhanov, A. B. - Characteristics of some properties of the virus of hog cholera grown in tissue cultures. p. 257
- Bychkov, I. S. - Purification and concentration of the virus of hog cholera. p. 263
- Burtsev, V. I., and others. - Practices in aerosol immunization against hog cholera. p. 269
- Kulesko, I. I., Sobko, A. I. - Diagnostic importance of testing the amylase and hemolytic activity of the pancreas in hog cholera. p. 274
- Arkhipov, N. I. - Morphological and some histochemical changes in the ganglia of the peripheral nervous system in hog cholera. p. 281
- Arkhipov, N. I. - Histochemical study of nucleic acids in lymphoid organs in hog cholera. p. 285
- Arkhipov, N. I. - Changes in the permeability of blood vessels in an acute course of hog cholera. p. 291
- Sturin, V. N., and other. - Testing dry lapinized virus vaccine against cattle plague. p. 298
- Sturin, V. N., and others. - Methods for experimental selection of avirulent variants of the viruses of Newcastle disease and European chicken plague. p. 327
- Safonov, G. A., Ivanova, G. A., Sturin, V. N. - Comparative enzymatic properties of the viruses of European chicken plague and Newcastle disease. p. 340
- Safonov, G. A., and others. - Comparative toxic properties of the viruses of European chicken plague and Newcastle disease. p. 350
- Safonov, G. A., Ivanova, G. A., Sturin, V. N. - Comparative study of the hemolytic activity of the viruses of European chicken plague and Newcastle disease. p. 359
- Ivanova, G. A., and others. - Variability of the virus of European chicken plague. p. 363
- Kotosov, V. M., Sturin, V. N. - Experimental selection of variants of the virus of Newcastle disease from the vaccine strain developed by the State Scientific Control Institute for Veterinary Preparations. p. 377
- Drigalin, N. N. - Characteristics of mixed cultivation of some strains of the virus of Newcastle disease. p. 387
- Chelidze, G. T. - Susceptibility of some wild birds to the virus of Newcastle disease under experimental conditions. p. 395
- Rotov, V. I., and others. - Chicken mite *Dermanyssus gallinae* as a carrier of the virus of Newcastle disease. p. 397
- Lezhava, G. A., Urushadze, A. I. A. - Studying the biological characteristics of the virus of infectious laryngotracheitis of fowl. p. 401
- Chistova, Z. I. A., Sturin, V. N. - Variants of the virus of infectious laryngotracheitis of poultry. p. 413

- Sturin, V. N., Shestochenko, M. A., Chistova, Z. I. A. - Detecting the virus of infectious laryngotracheitis of poultry using tagged fluorescent antibodies. p. 426
- Skalinski, E. I. - Submicroscopic changes in the choriocallantole membrane infected with the virus of pigeon pox. p. 431
- Antonova, M. E. - Ornithosis of poultry and specific diagnosis. p. 445
- Khanduv, TS. TS. - Fluorescence microscopy of ornithosis viruses and Q fever rickettsiae in egg culture. p. 449
- Osidge, D. F. - Rhinocytoscopy in swine influenza. p. 453
- Osidge, D. F. - Susceptibility of some tissues cultivated in vitro to swine influenza viruses. p. 459
- Sushkov, V. F., Osidge, D. F., Pantelcev, I. V. - Change in the size of cell nuclei in the kidney tissue culture of a swine embryo infected with the influenza virus and the Japanese hemagglutinating virus. p. 468
- Sturin, V. N., and others. - Susceptibility of the kidney tissue culture of a swine embryo to influenza viruses. p. 477
- Surin, B. I. - Adaptation of the virus of Aujeszky's disease to the subinoculated KEM-La cell line. p. 489
- Rosliakov, A. A. - Studying the hyperimmunization methods for producing highly active antirabies serum using donkeys. p. 497
- Nazarov, V. P. - Biological variability of rabies viruses. p. 507
- Strogov, A. K. - Some results of studying "madness," a nervous disease of animals in the Arctic tundra of Yakutia. p. 515
- Grinets, I. G., Skalinski, E. I., Borisovich, I. U. F. - Some biological characteristics of the virus of canine distemper. p. 533
- Nikolaeva, V. V. - Etiology of infectious atrophic rhinitis of swine. p. 554
- Sulimov, A. A., Sturin, V. N. - Labeling the Newcastle disease virus with  $P^{32}$  and cysteine  $S^{35}$  in a chicken embryo. p. 558
- Annotations, reports, and summaries of individual papers received for inclusion in the collection. p. 565
- Borisovich, F. K., Borisovich, I. U. F. - Classified index of Soviet dissertations on general and veterinary virology for 1936-1962. p. 569

# c. FORESTRY

- PUSHKINO, VSESOIUZNY NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LESOVODSTVA I MEKHANIZATSI LESNOGO KHOZIAISTVA, Sbornik rabot po lesnomu khoziaistvu [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF FORESTRY AND THE MECHANIZATION OF FOREST MANAGEMENT. Papers on Forestry]. Moscow, no. 46, 1963.
- Table of contents translated:
- Zalchenko, L. P. - Precision of the angular method of forest valuation. p. 4
- Kilachko, A. B. - Methods and apparatus for experimental determination of the rolling resistance of the C-100 tractor. p. 8
- Vil'tse, M. G. - Movement of a furrow slice along a slanting flat wedge. p. 25
- Laubgan, A. A. - Mechanization of forest improvement cuttings. p. 31
- Sudarev, V. G. - Some problems of organizing combined working circles and logging camps in Vologda Province. p. 57
- Zubov, P. A. - Measuring worms in oak-dominant woods of Saratov Province. p. 69
- Maslov, A. D. - Ecology of bark beetles in the desiccation centers of elm species of the Rostov Province forests. p. 80
- Sokolov, A. A. - Dynamics of the physical and chemical properties of filtrates of spruce, birch and aspen litter. p. 101
- Zyriaev, A. G. - Growth of larch in mixed plantations of various composition. p. 114
- Lesnov, P. A. - Growth of pine and deciduous species depending upon the complex of environmental conditions in the exhausted peat bogs of Gorkiy Province. p. 129
- Zhel'tov, N. M. - Pine plantations in the regeneration sites of young forest stands in the Tambov Forest Working Circle. p. 150
- Nikolaeva, O. E. - Lilac breeding. p. 153
- Gordeev, M. N. - Natural reproduction of spruce in the clear-cuttings of Kalinin Province. p. 178
- Istratova, O. T. - Characteristics of growing plane-tree seedlings on the Black Sea coast of the Caucasus. p. 186
- Averkiev, S. K. - Types of persimmon forests in the Talysh Mountains and their natural reproduction. p. 221
- Asanova, V. K. - Zelkova hircana. p. 247
- Shashkova, M. V. - Sensitivity of Nordmann's fir and Douglas fir to 2, 4-D. p. 280

- Kuznetsov, A. P. - Characteristics of birch plantations on the Chernozems of the Saratov area of the Volga Valley. p. 274

REFERATIVNYI JURNAL LESOVEDENIE I LESOVODSTVO (Otdel'nyi vypusk 56) [JOURNAL OF ABSTRACTS FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 6, June 1965. Avtorskii ukazatel' za 1964 g. [Author Index for 1964]. Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964]

VSESOIUZNY NAUCHNO-ISSLEDOVATEL'SKII INSTITUT AGROLESOMELIORATSI, Sbornik nauchno-issledovatel'skikh rabot [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF LAND IMPROVEMENT THROUGH AFFORESTATION. Research Papers]. Stalingrad, no. 28, 1960.

## Table of contents translated

- Alifanova, T. I. - Hydrological role of shelterbelts. p. 3
- Bobrov, G. S. - Effect of shelterbelts on wind regime, snow distribution, freezing and thawing of soil in a dissected relief. p. 6
- Zholobova, Z. P. - Periodicity of growth of the roots of the Siberian larch and the birch *Betula verrucosa*. p. 12
- Kalinina, I. V. - Hybridization of pine in the lower Volga Valley. p. 17
- Kondrashov, B. V. - Effect of the perforation of shelterbelts on the character of snow depositions. p. 24
- Komlev, A. A. - Field experiments in the differentiated growing and harvesting of grain crops in field sections edging shelterbelts. p. 28
- Kravchuk, I. U. P. - Growth of the root of oak in pure and mixed plantations on hard-to-manage soils in the southwestern part of Moldavia. p. 34
- Kochkar', N. T. - Viability and growth of the stem cuttings of some poplar species and their hybrids in the Svetly Yar Forest Working Circle, Stalingrad Province. p. 43
- Kuznetsov, S. E. - Studying the aerial part of filterbelts and methods for its vegetative propagation. p. 49
- Koblev, I. U. N. - Moisture characteristic of forest litter in forest plantations for erosion control. p. 52
- Lebedev, V. V. - Growth of tree species under irrigation. p. 56
- Sokolov, A. A. - Growing shelterbelts in the Altai using wildlings of self-sown birch. p. 60
- Su'mach, G. P. - Ravine erosion and measures for its control in a shelterbelt network. p. 63
- Smirnov, N. A. - Blowing out of forest plantations on Bazhigan sands as related to the preparation of soil. p. 67
- Sviridov, A. S. - Growth of oak planted in clusters as related to the nature of agricultural crop coverings. p. 70
- Savel'eva, L. S. - Use of fruit species in shelterbelt afforestation. p. 75
- Rastorguev, L. I. - Afforestation of interfluvial areas on the right-bank of the lower Volga. p. 79
- Torokhtun, I. M. - Growth of tree species in young tree belts without shrubs on dark Chestnut soils in the Ukraine. p. 82

## d. PLANT CULTURE

- INFESTSIONNYE ZABOLEVANIA KUL'TURNYKH RASTENII MOLDAVII (INFECTIOUS DISEASES OF THE PLANT CROPS OF MOLDAVIA). Issued by Institut biokhimi i fiziologii rastenii Akademii nauk Moldavskoi SSR [Institute of the Biochemistry and Physiology of Plants of the Academy of Sciences of the Moldavian S.S.R.], Kishinev, no. 1, 1962.
- Table of contents translated:
- Popushol, I. S. - Premature desiccation of stone fruit. p. 5
- Popushol, I. S., and others. - Dutch elm disease in Moldavia. p. 20
- Popushol, I. S., Dashkevica, K. N. - Tobacco downy mildew. p. 60
- Dashkevica, K. N. - Protective plant forces in the struggle against tobacco mosaic virus. p. 67
- Verderevskaya, T. D. - Immunological heterogeneity of commercial tomato varieties and the prospects for detecting and selecting from them the forms resistant to tobacco mosaic virus. p. 97
- Verderevskaya, T. D., Moldovan, M. I. A. - Reproduction of viral nucleoproteins and the respiration activity in *Lycopersicon esculentum*, *L. hirsutum*, *Nicotiana tabacum*, and *N. glutinosa* infected with tobacco mosaic virus. p. 113
- Kutasevich, V. I., Popushol, I. S. - Studying infectious degeneration of grapes in Moldavia. p. 122
- Petrushina, M. T. - Bacterial disease of apricot in Moldavia. p. 128
- Popushol, I. S. - A new disease of pear seedlings. p. 143



REFERATIVNYI ZHURNAL RASTENIEVOODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10-11, May-June 1965, Avtorskii ukazatel' za 1964 g. [Author Index for 1964]

SADOVODSTVO [HORTICULTURE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 103, no. 5, May 1965, (DNAL)

TASHKENTI. VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT KHLOPKOVODSTVA. Sbornik nauchnykh rabot aspirantov [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF COTTON GROWING. Graduate Student Papers]. No. 5, 1964.

#### Table of contents translated.

- Kotov, I. V. - Intensification of the production of cotton on state farms in the Golodnaya Steppe. p. 3.  
 Khussankhodzhaeva, D. I. - Possibilities for increasing labor productivity on collective farms of the Kur-gantepa Agricultural Administration. p. 17.  
 Adigeov, S. A. - Rice growing in the Kara-Kalpak A.S.S.R. p. 24.  
 Smetov, I. S. - Agrotechnical and economic effectiveness of planting cotton with wide interrows. p. 29.  
 Safiev, N. - Productivity of 1:4 field crop-row crop rotations after one year of cotton growing. p. 40.  
 Khankishiev, V. S. - Agrobiological characteristics and the development of cultivation practices of growing pulse crops in cotton crop rotation in the Zeravshan Valley. p. 46.  
 Edgarov, Zh. - Action and aftereffect of green manure on the yield of cotton. p. 58.  
 Gazikhanov, A. - Sowing corn along with pulse crops. p. 66.  
 Barakaev, M. - Change in the individual elements of the structure of stalks and earcobs and the yield of corn as related to the moisture and nutrition conditions. p. 79.  
 Pokhtabaev, Z. - Use of some herbicides in cotton and corn fields. p. 90.  
 Muminov, A. - Effect of moisture and nutrition conditions on the yield of white durra grown for silage. p. 100.  
 Ibragimov, M. - Development of a new technology of cotton planting in light-colored Sierozem soils of Andizhan Province. p. 109.  
 Mikhailev, L. P. - Two-depth plowing as a new effective technology of the preparation of soils for cotton planting. p. 117.  
 Kamilov, A. K. - Effectiveness of two-depth plowing in old soils for cotton. p. 125.  
 Avtonomov, A. A. - Land improvement effectiveness of two-depth plowing in the Golodnaya Steppe. p. 136.  
 Chekmeneva, E. I. - Land productivity as related to the length of cultivation. p. 147.  
 Kondrat'eva, G. A. - Methods for embedding fertilizers placed before sowing in plowed soil. p. 164.  
 Mannanova, A. - Effect of the increased concentrations of phosphorus on the growth, development, and yield of cotton. p. 174.  
 Protopopova, I. I. - Effect of antiseptics on the mobilization of nutrients and increase of the yield of cotton in Sierozem soils. p. 187.  
 Kur, N. I. - Effect of fertilizer and insecticide mixtures on the carbohydrate and protein metabolism and the development of cotton seedlings in hydromorphic soils. p. 202.  
 D'jakonova, E. V. - Effectiveness of various amounts of mineral fertilizers on the young kenaf. p. 214.  
 Babayev, T. I. A. - Effectiveness of phosphorus organic defolants in Samarkand Province. p. 221.  
 Makhmudov, A. - Amounts and dates for the placement of nitrogen for cotton grown on alfalfa sod and following white durra in light-colored Sierozem soils of Andizhan Province. p. 229.  
 Razykov, K. M. - Effectiveness of the placement of nitrogen fertilizers before and during the planting of cotton in virgin soils of the Golodnaya Steppe. p. 235.  
 Khodzhanilazov, F. - Amounts and dates for the placement of nitrogen fertilizers for cotton in meadow-bog soils of the Zeravshan Valley. p. 244.  
 Rafikova, G. A. - Effect of trace elements and their combinations on the metabolism in cotton. p. 254.  
 Lunev, V. G. - Chemical and hydrochemical characteristics of soils containing gypsum layers. p. 264.  
 Riltina, A. R. - Effectiveness of shallow intertillage during the sprinkling of cotton. p. 278.  
 Kurbanbaev, K. - Effect of saturation and leaching irrigation on the dynamics of nitrogen in salinized soils and the study of the amounts and dates of the placement of nitrogen fertilizers for cotton in the Kara-Kalpak A.S.S.R. p. 282.  
 Makhambetov, A. - Irrigation system for peas in the Golodnaya Steppe. p. 295.

- Saliev, M. - Studying the irrigation system for cotton growing in newly reclaimed virgin soils of the central Fergana Valley. p. 303.  
 Mirkhalikov, S. - Long-term use of mineralized ground waters for leaching and vegetative irrigation. p. 312.  
 Bakhranov, M. - Effect of the dates and norms of irrigation before sowing on the yield of cotton in Andizhan Province of Uzbekistan. p. 321.  
 Mirkhashimov, T. - Studying the irrigation system for cotton growing in newly reclaimed virgin soils of the Golodnaya Steppe. p. 329.  
 Sultankhodzhaev, T. S. - Formation of the crops of the early and late varieties of rice. p. 338.  
 Kadaliyev, S. I. - Effect of defoliation on the seed and fiber of cotton in the following generation. p. 348.  
 Umarov, A. A. - Effect of soil moisture on the nitrification of urea-formaldehyde fertilizers. p. 353.  
 Dzhalilov, M. - Effectiveness of the placement of the various forms of nitrogen fertilizers for cotton. p. 358.  
 Abdurazakov, K. - Selecting the most suitable first crops for newly reclaimed highly salinized soils in the Golodnaya Steppe. p. 368.  
 Ramazanov, A. - Provisional deep drainage pipes during the leaching of salinized soils using large amounts of water. p. 375.

TSVETOVODSTVO [FLORICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, no. 5, 1965, (DNAL)

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 25, no. 4(235), 1965.

## 16. TECHNOLOGY

### a. GENERAL

- BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY]. Organ of Gosudarstvennyi komitet pri Sovete Ministrov RSFSR po nadzoru za bezopasnyim vedeniem rabot v promyshlennosti i gornomu nadzoru [State Committee for Safety Inspection in Industry and Mining, Attached to the Council of Ministers of the R.S.F.S.R.]. Moscow, no. 9, no. 4, Apr. 1965.  
 Table of contents translated.  
 Leonin's prediction is being realized. p. 1.  
 Isarov, B. I., Ivanchenko, G. P. - Pay more attention to mine shafts and mine hoisting. p. 3.  
 Sarayev, S. P., Genkin, S. R., Trunov, V. B. - Results of inspecting electric mine equipment. p. 7.  
 Dregadze, T. V., Grekov, V. K. - Accident at Mine No. 26. p. 10.  
 Babichev, G. I., and others. - New method of preventing the spontaneous combustion of coal. p. 12.  
 Savenko, I. U. F., Petrenko, S. I. A. - Make more use of plog-scraper mining of coal. p. 14.  
 Bukhman, I. A. Z., and others. - Improvement of working conditions in strip mines. p. 16.  
 Novikov, M. M. - Aluminum alloy drill pipe. p. 17.  
 Kutayn, P. V., Tamrazov, R. A., Gazarian, G. S. - Structural defects of braking devices of drilling draw works. p. 19.  
 Zhelezniakova, M. A. - Tighten the control over underground gas pipelines. p. 21.  
 Luklanov, M. I. - Safe and reliable operation of trestle cranes. p. 24.  
 Khudoloi, V. A. - Make a thorough inspection of flow diagram plans. p. 26.  
 Nikitin, B. M., Soloznev, A. S. - Organize the control over air gasiness in industrial enterprises. p. 28.  
 Zhuravlev, S. P., Vasetskii, E. G. - Combatting traumatism during the underground mining of coal. p. 29.  
 Naumenko, V. M. - Labor safety inspection in plants subject to fire and explosions. p. 32.  
 Karlishov, I. U. M., Silant'ev, D. T. - Inflow of clay into Kuznetsk Basin mines. p. 34.  
 Boreiko, P. I. - Stability of outcrops of rock overlying a series at the S. M. Kirov mine. p. 36.  
 Gasymov, A. A. - Sprinkling during the operation of stonecutting machines in quarries. p. 38.  
 Mogilevskaya, S. E., Starkov, Q. P. - New developments in methods of determining the silicosis hazard of rocks. p. 39.  
 Bryzgin, V. A., Belov, E. P. - Platform for the underground repair of oil wells using the "Bakinet" unit. p. 40.

- Karasev, E. V. - New soviet and foreign cranes for the construction industry. p. 41.  
 Sukhanov, V. S. - Nitrate foam equipment for extinguishing fires. p. 45.  
 Ferrari, E. A. - Explosionproof properties of metals. p. 46.  
 Etchin, S. G. - Safety brake pedal on electric locomotives. p. 49.  
 Rudenko, B. V. - Blocking system of bridge cranes. p. 50.

Vol 9, no. 5, May 1965

- Table of contents translated.  
 Labor safety at chemical enterprises. p. 1.  
 Poltanakli, A. T. - Shortcomings in the design and construction of mine hoisting equipment. p. 3.  
 Galich, I. V. - Safety during the construction of mines in the western Donets Basin. p. 6.  
 Dmitriev, L. V. - This must not be repeated. p. 7.  
 Aleksandrov, N. I. - Flameless blasting in Kuznetsk Basin mines. p. 9.  
 Shatalov, V. S., Sanchenko, I. S. - Certificate for boring and blasting operations and its practical application. p. 14.  
 Kokorin, P. I., Koshelev, N. M., Mal'isev, V. E. - Make the directions more precise for measuring methane in mines. p. 17.  
 Fabishchenko, D. I. - Causes of traumatism during the use of mining systems with mass caving of ore and ways of eliminating them. p. 18.  
 Koptsova, T. G. - Improve the teaching of geological exploration. p. 21.  
 Ivanov, N. V. - Raise the level of teaching safety in institutions of higher learning. p. 23.  
 Bol'fer, D. N., Sultanovich, A. I. - Inflammability of petroleum gas-vapor mixtures. p. 24.  
 Molchanov, I. A. - Prevent breakdowns and accidents caused by the driving away by wind of hoisting cranes. p. 26.  
 Alekseev, A. N. - Create reliable devices for testing combustible liquids. p. 28.  
 Grin', T. K., Shalanin, V. I. - Controlling the quality of design, construction, and erection of new chemical enterprises. p. 29.  
 Porel'man, E. M. - Overall automation in the changing of small capacity boilers to gas fuel. p. 31.  
 Gladkii, I. I. - Public inspectors are innovators of production. p. 38.  
 Karpov, A. M., Palrushev, M. A. - Reversal of air flow is one of the causes of mine accidents. p. 37.  
 Panov, G. E., Amanbaev, D. A. - Air-water storming in the blasting of boreholes is an effective means of controlling dust. p. 41.  
 Kuzetchenko, G. N., Churkin, V. K. - Whitewashing mine workings. p. 42.  
 Kostenko, G. I. - Safety devices on new Soviet and foreign cranes. p. 43.  
 Solov'ev, P. M. - Gas shields for workers in chemical plants. p. 46.  
 Golubkov, K. I., Sivonov, I. A. - Airtight method of attaching hoses to cylinders and gas cutters. p. 50.  
 Urmanov, A. V. - Valuable contribution of innovators. p. 50.  
 Rodl'shkin, E. A., Islamova, Kh. Z. - Loading ramp for pipe. p. 52.  
 Rekunova, N. N. - New method of carbon dioxide purification. p. 52.  
 At the enlarged conference of the Committee of State Inspection on Safety in Mining of the R.S.F.S.R. p. 57.  
 Sigalov, L. B. - Conference on using peak load water-heating boilers. p. 60.

GELIOTEKHNIKA [SOLAR ENERGY ENGINEERING].

- Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 1, 1965.  
 Table of contents translated.  
 Arifov, U. A., Kulagin, A. I. - Thermoelectric solar energy converters. p. 6.  
 Landsman, A. P., and others. - Power plant for converting solar energy into electricity. p. 16.  
 Umarov, G. I. A., Starodubtsev, S. V., Kordub, N. V. - A 2.7-meter film type vacuum solar energy collector. p. 22.  
 Umarov, G. I. A., and others. - Experimental determination of the shape of the reflecting surface of a film type inflatable collector. p. 24.  
 Starodubtsev, S. V., and others. - Collector on an asbestos-concrete base. p. 28.  
 Igudaev, M. D., and others. - A two-meter high-temperature solar furnace. p. 31.  
 Klein, G. A., and others. - Improving the properties of polymer films by infrared irradiation. p. 39.  
 Lopukhin, E. A. - Spectral composition of direct solar radiation. p. 44.  
 Svarichevskii, V. S. - Devices for heliotherapy by total and diffuse solar radiation. p. 49.  
 Sharaf, A. Sh. - Solar coil water - water heater for shower baths. p. 55.  
 Kolos, I. A. G. - Data on comparative heat engineering tests of domestic and other small solar units. p. 57.



- Umarov, G. I. A., and others - Hexahedral honeycomb film type solar energy collector p. 66  
 Sharaf, A. Sh. - Automatic tracking by solar devices p. 67  
 Klein, G. A. - Coordinating Conference on Solar Engineering p. 71  
 Estrin, P. I. - Plenum of the Solar Engineering Section of the Central Administration of the Scientific and Technical Society of Power Engineering p. 73

INFORMATSIONNIY UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization] Moscow, vol. 26, nos. 2-3, 1965.

\*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the White Russian S.S.R.], Minsk, vol. 8, no. 2, Feb. 1965.

- Table of contents translated  
 Brdlik, P. M., Savin, V. K. - Heat exchange between an axisymmetric stream and a plate in a normal position in the flow. p. 146.  
 Titov, V. P. - Thermal conditions in air-penetrable joints. p. 156.  
 Lykov, A. V. - Mass and heat transfer in building materials. p. 161.  
 Zhuk, I. P., Pisarchik, L. I. - Heat transfer in enclosing structural elements. p. 170.  
 Malozemov, V. V., Turchin, I. A. - Using an interferometer in determining temperature fields. p. 182.  
 Rozhnov, V. F. - Interpreting interferograms in studying concentration fields of gas admixtures. p. 186.  
 Eremin, G. G., Krasovskaya, T. K. - Determination of annual temperature gradient for the design of structural elements for climatic influence. p. 190.  
 Fedorov, V. K. - Engineering method for calculating convective heat transfer in nonseparated gas flow about a body. p. 198.  
 Bykov, L. T., Malozemov, V. V. - Some regularities in temperature distribution in limited volumes with internal heat release. p. 204.  
 Bykov, L. T. - Evaluating the speed of air currents caused by natural convection in a limited volume. p. 206.  
 Kazanskii, V. M. - Temperature dependence of the moisture-transfer potential of capillary-porous bodies. p. 211.  
 Bogoslovskii, V. N. - Moisture potential. p. 216.  
 Il'inski, V. M. - Using water vapor transfer coefficients in calculating moisture content in enclosing structures of buildings. p. 223.  
 Brdlik, P. M., Mochalov, V. A. - Porous blowing and suction with a free convection at the vertical surface (laminar boundary layer). p. 229.  
 Vize, I. A. M., Mostinski, I. L. - Curving of a jet in a drifting flow. p. 231.  
 Brdlik, P. M., Kozhlov, I. A., Petrov, N. G. - Experimental investigation of heat and mass transfer during the condensation of water vapor from humid air on a vertical surface under natural convection conditions. p. 243.  
 Tertichnik, E. I. - Using the method of a sectional column in investigating moisture characteristics of building materials. p. 247.  
 Shevel'kov, V. L. - Thermal properties of the outside walls of buildings. p. 250.  
 Aluminae, A. - Investigating moisture content in the outside walls. p. 255.  
 Basin, I. A. N., Makarov, R. A., Seleznev, N. V. - Selecting optimum parameters of radioisotope devices used in thermophysical investigations. p. 257.  
 Brdlik, P. M., Mezhevnikov, B. S. - Unsteady thermal conditions in water-covered roofs. p. 263.  
 Brdlik, P. M., Turchin, I. A. - Effect of discretely distributed air blowing and suction on heat transfer with natural convection at a vertical surface. p. 266.  
 Usov, A. L. - Investigating the contact heat transfer on the floor surface. p. 273.  
 Gindolan, A. G. - Equivalent thermal activity coefficient for floor structures. p. 275.

Vol. 8, no. 3, Mar. 1965.

- Table of contents translated:  
 Sadikov, I. N. - Laminar heat transfer in a plane channel with an inhomogeneous temperature field at the inlet. p. 283.  
 Borishanskii, V. M., Fokin, B. S. - Generalization of data on heat transfer in stable film boiling on vertical surfaces with free convection of the liquid in the large volume. p. 290.  
 Sergievskii, A. V., Budnikov, V. I. - Stability of a system of parallel boiling channels. p. 300.  
 Kaganov, S. A. - Liquid flow between rotating coaxial cylinders making allowance for heat of friction and the temperature dependence of viscosity. p. 307.  
 Mazarchuk, M. M. - Transonic region of viscous gas flow in a plane-parallel channel. p. 311.

- Dil'man, V. V. - Nonsteady diffusion flow toward a moving droplet at low Re numbers. p. 319.  
 Samolov, M. S. - Theory of the turbulence of a twisted jet of incompressible liquid. p. 325.  
 Dushin, I. U. A. - Heatproof shields with overhanging lining. p. 330.  
 Puchkovskii, V. V. - Moisture transport caused by an internal heat source in a closed system. p. 336.  
 Duvich, I. U. A. - Diffusion and thermal relaxation on the plane surface of an evaporating liquid. p. 341.  
 Smirnov, V. D. - Use of a compressible gas in filling and emptying vessels of finite capacity and either variable or invariable volume. p. 346.  
 Ivanov, V. V., Furman, A. V. - Temperature field of an infinite anisotropic prism with internal heat generation. p. 358.  
 Nel'mark, B. E., Bykova, T. I. - Study on the heat conductivity of thin-walled nickel tubes. p. 361.  
 Shalimov, M. A. - Acoustical coagulation of cement paste. p. 364.  
 Salomatin, V. V., Bolkov, G. P. - A radiant heat flux due to the heating of bodies by a source of variable temperature. p. 369.  
 Surkov, G. A. - Use of finite integral transformations in solving problems involving the nonsteady-state heat conductivity of hollow cylinders with a movable internal boundary. p. 375.  
 Tsol, P. V. - Matrix functions and their application to heat and mass transfer problems. p. 380.  
 Zhuravskii, I. Zh. - A problem involving heat and mass transfer. p. 386.  
 Raikhi, I. A. M. - Calculating the critical velocity of a steam-water mixture, beyond which heat transfer is impeded. p. 393.  
 Kessel'man, P. M., Gorykh, S. F. - The thermodynamic similarity of nitrogen, oxygen, and air. p. 396.  
 Konakov, P. K. - Use of the differential method in studying radiant heat transfer. p. 401.  
 Labunsov, D. A. - Heat transfer from a nonisothermal plate with a laminar boundary layer. p. 403.  
 Sizov, G. N. - Aleksandr Iakovlevich Milovich, on the 90th anniversary of his birth. p. 405.  
 Vallander, S. V., and others. - Konstantin Ivanovich Strakhovich on his 80th birthday. p. 408.  
 Nevskii, A. S., and others. - Nikolai Ivanovich Syromiatnikov on his 50th birthday. p. 411.  
 Syromiatnikov, N. I., and others. - S. S. Zhabrodkin's monograph on "Hydrodynamics and heat transfer in a fluidized bed." p. 413.

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM and Tsentral'nyi sovet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol. 9, no. 5, May 1965.

- \*IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]. Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, no. 3, Mar. 1965.  
 Table of contents translated:  
 Kempinski, M. M. - Precision of automatic devices for checking dimensions. p. 1.  
 Kulachek, L. - Evaluating the precision of a measurement in experiments. p. 8.  
 Vysotskii, A. V., Etingol, M. I. - Errors in active control caused by the ovality of machined parts. p. 12.  
 Geiler, Z. Sh. - Measuring system with an automatic readjustment of active-control devices. p. 13.  
 Tikhomirov, N. S., Sizov, V. V., Petras, G. G. - Method for the realization of an accurate rectilinearity of displacements up to 500 mm. p. 16.  
 Tselin, I. A. M. - Designing the mechanism of spring-type instruments. p. 17.  
 Mikhaileva, M. G. - Operating conditions of vibrators of photometric pickups. p. 19.  
 Shefel', B. T., Krenov, V. I., Shchamtayn, A. A. - Using the recording instrument designed at the "Kalibr" Plant for recording the waviness of anti-friction bearing grooves. p. 21.  
 Demidov, I. S. - Using the method of free vibrations for determining the rigidity irregularity of an elastic mechanical system in two perpendicular directions. p. 22.  
 Egorov, L. P. - Noncontact measurement system with resistance pickups on rotating parts. p. 25.  
 Rozenashok, I. U. L. - Dynamic characteristics of a stationary linear system for temperature measurement. p. 27.  
 Lapina, E. A. - Emitters for the reproduction of color temperature in the infrared spectrum region. p. 31.  
 Il'in, V. M. - Semiconductor infrared optical pyrometer. p. 34.  
 Bykov, M. A. - Calibration of the Smith bridge. p. 35.  
 Vostokmutov, N. N. - Determining the optimum correlation between the output and reference voltages of d.c. voltage stabilizers. p. 40.

- Kuchis, E. V. - Using the D808-D813 stabilizer tubes under high voltage conditions. p. 43.  
 Pivovarov, N. V., and others. - Photocompensating stabilizers. p. 44.  
 Finkel'shteyn, V. E., Kisel', A. N. - Using the R21 semiautomatic potentiometer for accurate automatic recording of electrical magnitudes. p. 46.  
 Andreev, I. U. A., Volkov, B. G. - Errors of a frequency spectrum analyzer with a double T-bridge. p. 47.  
 Pronenko, V. I., Skudnyi, B. N. - Specification of the characteristics of the MZ-1 (IMM-6) transistor low-power meter. p. 51.  
 Kivitis, S. S., Reshetnikov, V. A. - Effect of the steady flow profile on the error of ultrasonic flowmeters. p. 52.  
 Zhernovoi, A. I., Ekaterinin, V. V., Stakhov, O. V. - The IAMR pulse-frequency flowmeter. p. 54.  
 Khaid, S. E., and others. - Using the Ual-1 computer for calculating tapering devices. p. 56.  
 Tushin, V. N., Ostromukhova, G. P., Iudin, M. F. - Effect of a collimating device on the graduation and testing of roentgenometers (dosimeters) by means of standard gamma ray sources. p. 58.  
 Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. p. 62.

IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoyuznoe obshchestvo izobretatel' i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no. 3(223), 1965.

- Table of contents translated:  
 Petriakov, I. - Reputation of an engineer. p. 1.  
 Shakhazarian, R. - Manufacturing an automobile in three weeks. pp. 1, 23.  
 Merkulov, A. - Vorticity effect. p. 2.  
 Concealed-achieved. pp. 4, 36.  
 Zholondkovskii, O. - Lottery ticket. p. 5.  
 Boreislavskii, S. - Don't rely on me. p. 6.  
 Zubkov, B. - Explosion in a water bag. p. 8.  
 Dobrov, Zh. - Underground "SOS" call. p. 9.  
 Sergeev, E. - Flame projector on a latte carriage. p. 10.  
 Deep freezing for all purposes. p. 11.  
 Muslin, E. - How are you feeling, baby? p. 13.  
 Blinov, B. - Screen-type plane. p. 18.  
 Gribanov, A. - Fishes must be counted. p. 19.  
 Advertising board. p. 20.  
 Salimov, E. - Race against a timer. p. 27.  
 In the Presidium of the Central Council of the All-Union Society of Inventors and Innovators. p. 29.  
 This is how we live. p. 30.  
 Polikarpova, P. - Who should be blamed? p. 39.

No 4(224), 1965.

- Table of contents translated:  
 Promotion of an innovation. p. 1.  
 Rublev, G. - If you look inside. p. 3.  
 In your lawyer's office. p. 4.  
 Muslin, E. - A battery originates millions of volts. p. 5.  
 Mednis, I. A. - Machine tool in a rucksack, machine tool in a suitcase, machine tool as a meat grinder. p. 7.  
 Suggestions for rural innovators. p. 8.  
 Salimov, E. - Crawler-type chill-casting machine. p. 9.  
 Dobrovolskii, E. - City under a single roof. pp. 10, 33.  
 This is how we live. p. 12.  
 Miroshnichenko, L. - Boiling water cuts armor plates. p. 14.  
 Concealed-achieved. p. 16.  
 El'shanskii, I. - Getting atride a wave. p. 18.  
 Brief news: In the Presidium of the Central Council of the All-Union Society of Inventors and Innovators. p. 20.  
 Ivoin, A. - Using the principle of perpetual motion. p. 21.  
 Advertising board. p. 22.  
 Zakharov, V. - Devices designed by turner Semenov. p. 24.  
 Meerkop, G. - Fitting-tool set. p. 26.  
 Lipman, G. - Skillful crane. p. 29.  
 Zubkov, B. - Unfortunate fate of a father and his son. p. 30.  
 Smirnov, G. - Well known and forgotten. p. 34.  
 Abdullin, A. - Car on a mattress. p. 36.  
 Abdullin, A. - Automotive brush. p. 36.  
 Abdullin, A. - Shaking out is the best unloading method. p. 36.  
 Abdullin, A. - Testing by means of a magnetophone. p. 36.  
 Zholondkovskii, O. - Floating brick. p. 37.

No 5(225), 1965.

- Table of contents translated:  
 Ivanov, V. - For the 50th anniversary of the Great October Revolution. p. 1.  
 Dobrovolskii, E. - Armor-piercing subcaliber projectile. p. 5.

In your lawyer's office, p. 7.  
This is the way we live, p. 8.  
Muslin, E. - A canon processes briquets, p. 9.  
Advertising board, p. 12.  
Olegov, O. - "Snack" water jet, p. 14.  
Bekasov, V. - One year, p. 14.  
Bessmertnyi, E., Nani, V. - An amazing motor, p. 15.  
Earth-water-chemistry, p. 16.  
Ivanov, A. - Inventive quality, p. 18.  
Maikov, A. - Where is the benefit? p. 18.  
Vladimirov, L. - "Eskapon," pp. 19, 27.  
Smirnov, G. - Inventors against fouling, p. 20.  
Technologist of "Tobretel" i Rationalizator" visits your home, p. 23.  
Plastics are looking for work, p. 28.  
Kolesova, V. - Television screen instead of paper, p. 30.

# **LENINGRAD, POLITEKHNIЧЕСКИЙ ИНСТИТУТ, Trudy [POLYTECHNIC INSTITUTE, Transactions], No. 244, 1965. Economics and the organization of machinery manufacturing production**

## **Table of contents translated:**

Konson, A. S. - Problems of measuring the results of the managerial operation of machinery manufacturing plants, p. 7.  
Gradoy, A. P. - Method of the analysis and indices of production specialization based on the assortment of finished products, p. 14.  
Karlik, E. M., Gradoy, A. P. - Working out a plan for machinery manufacturing branch specialization in a large economic region, based on the example of Instrument manufacturing, p. 24.  
Klebanov, V. I. A. - Classification of foundry-moulds as the basis for the organization of specialized production, p. 34.  
Karlik, E. M., Gradoy, A. P. - Concentration and specialization of production in the radio industry of the U.S.S.R., p. 44.  
Zaretskiy, E. E. - Technical and economic characteristics of linear electron accelerators, p. 50.  
Kralukhin, G. A. - Line machining of parts in Leningrad plants, p. 66.  
Velikanov, K. M., Ermolaeva, N. T. - Method of calculating the economic efficiency of the organization of an alternating continuous line for making turbine-blade forgings, p. 74.  
Ermolaeva, N. T., Velikanov, K. M. - Calculating the economic efficiency of the technology of the heat treatment of metal-cutting tools, p. 85.  
Chernonko, D. M. - Some technical and economic features of using steel concrete in machinery manufacturing, p. 94.  
Klitov, A. N., Lanskov, A. V. - Operation and production planning for manufacturing heat-measuring instruments, p. 101.  
Romiklayna, A. A. - Economic indices of the evaluation of the work of a television station, p. 109.  
Kuzin, B. I. - Minimizing intraoperational surpluses on straight lines where one worker attends several machine tools, p. 114.

# **MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NAUCHNOI I TEKHNIЧЕСKOI INFORMATSII, Bulletin' tekhniko-ekonomicheskoi informatsii [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION, Bulletin of Technical and Economic Information], Vol. 18, no. 2, Feb. 1965.**

## **Table of contents translated:**

Popov, M. N. - Introducing the achievements of science and technology into industrial production, p. 3.  
Denisov, P. I. - Introduction of surface-active substances into the petroleum production industry of the R.S.F.S.R., p. 6.  
Introducing hydromechanization methods in open-pit mining in the R.S.F.S.R., p. 8.  
Experimental shoe manufacture with the use of plastics, p. 9.  
Nefedov, A. S. - Introducing the system of flawless output of industrial production, p. 10.  
Sovast'yanov, S. S. - Increasing the stability of main crowns of open-hearth furnaces, p. 12.  
Timokhin, N. A., Kliuchevskaya, V. V. - Introduction of new equipment and advanced technology in the enterprises of the leather and shoe industry of the Middle Volga Economic Council, p. 13.  
Korneev, N. I., and others. - Rolling bimetallic titanium-niobium and aluminum alloy-titanium sheets, p. 18.  
Dammer, V. Kh., Novomelskiy, I. U. D., Chesnokov, I. U. V. - Experimental replacement of nickel steel in parts made of nonmagnetic steels, p. 17.  
Shipulin, T. A. - Efficiency of increasing the compactness of packs in steelmaking, p. 18.  
Vazhnov, L. D. - Introducing the refining of AL-9 alloy with argon, p. 20.  
Zykin, V. T., Skriabin, L. I. A. - Using small boring bits at the "Khrustal'nyi" mine, p. 21.  
Shaykun, B. I. - The P-29 rotary-percussion boring machine, p. 22.

Zaitsev, V. S. - Unit for the dehydration of capillary-porous materials, p. 23.  
Shapit'o, A. I. - Reinforcing mine shafts with plastic concrete, p. 24.  
Zakharov, I. I. - Overall mechanization of a plastics shop, p. 26.  
Shcherbiatikh, V. A. - Automatic press for making tablets of plastics powder, p. 28.  
Borisova, V. A. - Introducing automatic machinery for electroplating in three layers, p. 28.  
Fedorov, D. N., Kovalenko, T. V. - Semiautomatic line for the heat treatment of the semiaxes of combines, p. 31.  
Reshetnikov, S. G. - Introducing an automatic re-adjusting line with flexible conveyors for machining rollers, p. 33.  
Monakhov, G. A., Shtol', I. U. I. - The 6440 all-purpose copying milling machine, p. 35.  
Kas'lanov, P. A. - Introducing the 5525 semiautomatic deburring and chamfering machine, p. 37.  
Maltukov, A. F. - Introducing a roller machine for step-by-step electrostatic welding, p. 38.  
Zhimerin, D. G. - Scientific and technical problems in the power and electric engineering, p. 40.  
Kolenko, E. A. - High-vacuum traps with thermoelectric cooling, p. 43.  
Pugenilov, M. I. - Substituting nickel electrodes in incandescent lamps, p. 45.  
Kaufman, D. I., Feigel'man, S. D. - Automatic line for machining edges of furniture boards, p. 46.  
Bishenkevich, G. B., Malyshova, R. V. - Introduction of new production methods and new equipment, p. 47.  
Mirutenko, N. I. - Introducing the PLZh-2 semiautomatic flat-fang Jacquard glove knitter, p. 50.  
Bychkov, A. M. - The KPG-4 cultivator with a hydraulic drive, p. 52.  
Kornakov, M. A. - International congress on the mechanization of gardening, p. 53.  
Golovkin, M. P. - The ESh-182 electric fork-lift truck, p. 55.  
Gamarnik, E. E. - Perlitic mixes for the risers in steel casting, p. 57.  
Veretenikov, V. I. A. - Development and adaptation of reducing gears at the Lzhevsk Plant, p. 58.  
Komissarov, A. G. - Public survey of machinery and metalworking plants of the Volga-Vyatka Economic Council, p. 60.  
Presniakov, L. B. - Improving the use of working time in the enterprises of the Central Chernozem Economic Council, p. 61.

## **Vol. 18, no. 3, Mar. 1965.**

### **Table of contents translated:**

State of the manufacturing and testing of new equipment for drilling oil and gas wells, p. 3.  
Production and use of organosulfur compounds separated from petroleum, p. 4.  
Organization of industrial production of welded pipes from nonferrous metals, p. 4.  
Measures for reducing the use of food products in founding, p. 5.  
Overall mechanization of track laying for narrow-gauge railroads, p. 6.  
Razumov, N. A. - Increasing the technical level, quality, reliability and durability of the output of the machinery industry, p. 7.  
Kuronen, G. F., Mikhailov, A. A. - Economic efficiency of the introduction of billets in enterprises of the West Ural Economic Council, p. 8.  
Tarasov, V. I., Mel'bart, I. U. G. - Activity of the Technical and Economic Council of the Machinery Industry at the Leningrad Economic Council, p. 9.  
Iurchenko, D. A. - Casting aluminum breasts for blast furnaces, p. 11.  
Privalov, V. S., Azikov, B. A. - Mechanizing the patching of steel furnaces, p. 12.  
Alekshev, G. G. - Mechanizing the feed of bars into a roller leveler, p. 14.  
Kogan, D. I., Kiselev, A. T., Zakirov-Zlov, A. - Introducing rock-breaking bits in hydraulic percussion drilling, p. 15.  
Shaykun, B. I. - Introducing the KS-1M/6, 2 set of mining equipment, p. 18.  
Zhelevich, A. M., Kozlovskaya, A. A. - Anti-corrosive material for protecting main petroleum and gas pipelines, p. 19.  
Rekshtinskiy, I. A. I. U. - Introducing the ChKhZ-21 sponging agent, p. 19.  
Kaplan, S. A. - Continuous salt method for the production of synthetic nylon fibers, p. 20.  
Teslenko, V. P. - Introducing an automatic readjusting line for machining nonrigid shafts, p. 21.  
Smagin, N. A. - Introducing the 66 automatic grinding machine for grinding grooves of outer races, p. 24.  
Tartinskiy, V. D. - Welding pipe joints with the PVS-1 powder wire, p. 25.  
Burov, A. A. - Beading rolls for shaping the cylindrical body of a washing machine, p. 26.  
Frid, I. P. - Introducing the K3537 press, p. 27.  
Shvachkin, B. I. - Introducing a multiple-purpose copying milling machine with a pantograph, p. 29.  
Iablokov, V. A. - Introducing a machine-tool unit having a single drive manufactured at the "KATEK" Plant, p. 30.

Druz', B. R. - The "Zhelud'" -system equipment for a dispatcher, loudspeaker and telephone communication, p. 32.  
Filippov, B. K. - Electric motors with a 0, 6 to 100 kilowatt capacity of the new unified series A02-92-4, p. 33.  
Korobov, A. V., Nikolaenko, M. R. - Producing welded piping blocks in plants for thermal electric power stations, p. 35.  
Kirillov, V. G., Sakharov, M. D. - Automatic production of board-type articles, p. 36.  
Afanas'ev, V. K., Simakova, L. N. - The PK-114-ShG spinning and twisting machine for worsted manufacture, p. 38.  
Karasiuk, Z. S. - Machine for lasting the toe of welt and cemented footwear, p. 40.  
Kurchatov, V. I., and others. - Using a portable machine tool for repairing parts of large equipment without dismantling, p. 42.  
Ravkin, A. A. - Carts for unrolling one or three wires in constructing electric lines, p. 44.  
Parashchenko, G. S., Egorov, N. D. - Introducing multiple-purpose pushing frames, p. 46.  
Nabokov, A. S. - Introducing pneumatic press for riveting cones, p. 48.  
Prenslakov, L. B. - Economic activity of voluntary economic bureaus in the enterprises of the Central Chernozem Economic Council, p. 49.

# **MOSCOW, VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR, Informatsionnyi bulletin' [EXHIBITION OF ACHIEVEMENTS OF THE NATIONAL ECONOMY OF THE U.S.S.R., Information Bulletin], No. 10(42), Oct. 1963.**

## **Table of contents translated:**

Chemistry to the national economy, p. 1.  
Liubimov, I. A. I. - Perfectly organized plant, p. 3.  
Ksenz, I. P. - The "Petrovskiy" State Farm is a collective of communist labor, p. 5.  
Exhibitions and displays of special items, p. 9.  
From the exhibition into industrial production, p. 12.  
Answering letters, p. 14.  
Exhibitions and displays of special items, p. 16.  
Meet new developments, p. 17.  
Fomina, A. I. - Sorghum should be cultivated, p. 20.  
Borisova, N. A. - Preparation and use of grass flour, p. 21.  
Exhibitions and displays of special items, p. 24.  
For promoters of farm mechanization, p. 27.  
New exhibits, p. 28.  
Farm work in October, p. 30.  
Industry and transportation, p. 33.  
Building, p. 34.  
Agriculture, p. 34.  
Science, education, culture, p. 37.

## **No. 5 (40), May 1964.**

### **Table of contents translated:**

Shekelan, I. A. - An assured corn yield, p. 1.  
Bondarenko, V. G. - Reconditioning parts by the method of hard steel plating, p. 3.  
Semanchenko, D. I. - Present trends in the design of metal-cutting tools, p. 5.  
Exhibitions of special topics, p. 7.  
From the exhibition into production, p. 13.  
Pavilion "Bower engineering construction" in 1964, p. 15.  
New designs of buildings for cattle breeding, p. 15.  
Industrial construction of highway and railroad bridges, p. 16.  
Automation of technological processes in the cement industry, p. 16.  
Exhibition of special items, p. 17.  
From the exhibition into production, p. 19.  
Babaev, N. F. - Gardening, viticulture and bee culture at the Exhibition of the Achievements of the National Economy in 1964, p. 20.  
Berezovskiy, A. A. - Chemical preservation of green feeds, p. 22.  
Exhibition of special items, p. 23.  
For rural mechanization promoters, p. 31.  
Vybornova, E. - Atomic energy in the service of chemistry, p. 32.  
Zheglov, V. V., Narzykulov, N. B. - Isotopes used in checking, automatic control and measurements, p. 32.  
Exhibitions of special items, p. 33.  
Industry and transportation, p. 36.  
Agriculture, p. 37.  
Science, education, culture, p. 37.

## **No. 4, Apr. 1965.**

### **Table of contents translated:**

Scope of Lenin's thought, p. 2.  
Zatyornitskiy, V. - Conscience of a constructor, p. 4.  
Pekarevich, V. - Organizing economic work in machinery plants, p. 7.  
Moskvichev, K. - Introducing the exhibits from the Exhibition, p. 10.  
A peculiar instrument, p. 11.  
Narlov, V. - Best samples of explosionproof equipment, p. 12.

- Kuzhel', M. - Instructive example of Zyryanovsk miners p.12.
- Ol'shtanger, V. - Honored with medals of the Exhibition of the Achievements of the National Economy. p.14
- Readers' letters. p.14.
- Sintukhin, V. - New developments into production p.16
- Aristov, L. - Cities of the near future p.17
- Nazarov, I., Bondar', F. - Water-pumping stations p.20
- Savchuk, L. - Meet the EMU-10 computer p.21
- For you, sanitary engineers p.21.
- Kornienko, P. - You ask-we answer p.22.
- Pavlov, I. - Gardens in Moscow region should flourish p.23
- The MkhU-8S refrigerating equipment. p.25
- Dresvinnikova, D. - High productivity of cattle. p.26.
- Volkov, A. - Scientific poultry-breeding center in Estonia p.27.
- Gorokhova, A. - Fur coat, wool and meat p.27
- Vetelskii, I. - Mechanized application of pesticides in soil. p.29.
- Kryshchaleva, M. - Good quality seeds for spring p.31
- The OOM-1000A refrigerator and purifier of milk p.32
- The 2-PTS-4M tractor trailer. p.33.
- Osadchenko, T. - Vernalization of potato tubers and vegetable seeds. p.34
- You ask-we answer. p.35.
- Obolotchik, V. - Refractory oxygen-free compounds. p.35
- Platneva, G. - Artistic earthenware. p.38
- Kas'ianova, L. - The page of our century p.39.

#### NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY].

Issued by Gosudarstvennyi Komitet Soveta Ministrov Latvskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Latvian S.S.R. for the Coordination of Research] and others. Riga, no.5(59), May 1965.

NOVYE KNIGI ZA RUBEZHOM. Seriya B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol.9, no.5, May 1965.

OBZOR POL'SKOI TEKHNIЧЕСКОИ ЛИТЕРАТУРЫ. POLISH TECHNICAL ABSTRACTS. Issued by Centralnyi Institut informatsii naukovno-tekhnicheskoi i ekonomicheskoi [Central Institute of Scientific, Technical, and Economic Information] Warsaw, no.1(57), 1965.

PROFESSIONAL'NO-TEKHNIЧЕСКОЕ ОБРАЗОВАНИЕ [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Vocational Technical Education, Attached to the State Planning Committee of the U.S.S.R.], Moscow, vol.22, no.2(237), Feb. 1965.

Table of contents translated.

Bulgakov, A. - Problems of the system of vocational and technical education in 1965. p.1.

Zhil'tsov, E. - Economic efficiency of the training of worker cadres. p.3.

Zhivalkin, L. - Let's expand the network of vocational and technical evening schools. p.4.

Demlin, I. - Friendship between a plant and a school. p.6.

Davydov, A. - Orders from the industry providing vocational training as a basis for the training of electricians. p.7.

Shvedov, A. - Stimulating the active participation of students in industrial training classes. p.8.

Bitukov, V. - Practical training for foremen. p.10.

Tregubov, A. - Training in the love for their occupation. p.12.

Zukher, G. - Comprehensive assignments. p.13.

Urvantsev, G. - Let's study thoroughly the progressive technology. p.14.

Platakov, V. - Work training of the future machine operators. p.16.

Iakimchuk, U. - Way to the heart. p.17.

Uspenskii, B. - Conflict. p.18.

Gladyshev, A. - Studying the individual properties of students. p.21.

Riabov, V. - New shift is growing up. p.22.

Trifonov, V., El'kin, I. - Problems demanding solutions. p.25.

Koval'chuk, V. - Educational council at a mine. p.27.

Rozenberg, F. - Miners exchange their progressive practices. p.28.

Germanuk, I. - First steps of a foremen school. p.29.

Vol.22, no.4(239), Apr. 1965.

Table of contents translated.

Iur'ev, V. - Interesting work of the Communist Youth League members. p.2.

- Golublatnikov, V. - Six pennants for the best p.3.
- Research and teaching conference of the Moscow vocational education workers. p.4
- Lipnitskii, D. - Republic-wide pedagogical readings in the Ukraine p.5
- Puzanov, M. - First experiment in programmed instruction. p.6.
- Oleinichenko, G. - Solved and unsolved. p.8.
- Murav'eva, T. - Students should know the modern methods of work. p.10.
- Demidenko, L. - Training of sewers on a conveyor. p.11.
- Edel'man, M. - Public inspector relates. p.12.
- In the State Committee on Vocational and Technical Education at the State Planning Commission of the U.S.S.R. p.14
- Fedolova, L. - School farm as a primary base for production instruction. p.15.
- Ivanov, V., Zheritsyn, V. - Fruit of joint work. p.16.
- Shestopalov, P. - Aesthetics of a study group room. p.16.
- Semenov, B., Mosolov, K., Gal'perin, S. - Experience of veterans to the service of science. p.18.
- Andreev, A. - Responsibility for the labor shift. p.19
- Lubitshev, N. - By a common effort. p.20.
- Sarychev, A. - Sport as the chief assistant p.20.
- Uspenskii, B. - His trace in life p.22.
- Popkovich, M. - Technical training as a guarantee of rhythmical work in a shop. p.24.
- Erem'in, T. - Inexhaustible possibilities. p.25.
- Vinnik, I. - Schools of ideological and work training. p.26.
- Kameneva, A. - Organization of the workshop and intraplant schools. p.28.
- Shumovich, M. - Why it is difficult to inculcate progressive practices. p.29

Vol.22, no.5(240), May 1965.

Table of contents translated.

Let's expand and improve the training of worker cadres in the country p.2.

Koriakin, F. - Control over the employment of young workers p.4.

Kryzhko, I., Fedorenko, I. - Technical progress dictates. p.6.

Ottenborg, N. - Who will work the machines? p.8.

Popov, V. - Mining machine operators and anticipatory planning. p.8.

In the State Committee on Technical and Vocational Education at the State Planning Commission of the U.S.S.R. p.10.

For service industries. p.10.

Gan, V. - Courage. p.12.

Atzen, B. - Second life of Viktor Talalikhin. p.14.

Medals of the Red Star.... p.16.

Borisov, U. - Heirs of battle glory. p.17.

Uspenskii, B. - School reborn from the ruins. p.18.

"Komsomol'skii prozhektor" in action. p.19.

Krasnikov, L. - Thoughts of the workers of rural schools. p.22.

Grachev, V. - Instructor learns and teaches. p.24.

Matveeva, L. - Workers should know chemistry. p.25.

Ivanov, V., Moiseev, V. - Reliability is the slogan. p.26.

Freifeld, E. - In step with time. p.28.

Kovalenko, I., Subbotina, K. - Training of qualified workers for the service industries in Yugoslavia. p.30.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA].

Issued by Sovet na odnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.],

Yerevan, vol.8, no.3, Mar.1965.

Table of contents translated:

Agababov, A. - Use the potentialities of automotive transportation more widely. p.3

Gevorkian, S. - Specialization and cooperation are the most important conditions for technological progress. p.6.

Babayan, M. - Some problems in further development of the chemical industry. p.9

Mosesov, A. - Bentonite clays and their use p.11

Sanamian, V. - More attention to the introduction of new production capacities. p.14

Chal'ian, T. - Methods for the training and the improvement of the qualification of specialized workers p.16.

Ambartsumian, G. - Economic substantiation of a through cut-off wall with a hydraulic barrier. p.19.

Matevosian, P., Muradian, S. - Transducer of constant voltage to shift angle of alternating voltage phase. p.21.

Arutunian, R. - Automatic control of testing. p.25

Ol'tet'skii, T. - Heat treatment of high-strength cast iron p.26.

Abramian, A. - Using ultrasonics in wine making. p.28.

Gurdzhan, V. - At the Leninakan Plant of Forging and Pressing Equipment p.30.

Akopian, N. - Musical alarm clocks. p.31.

- Bellavetskii, V. - Kirovakan chemists improve production processes p.33
- Aivazian, V. - Introducing pneumatic conveying at the Leninakan Hosiery Factory p.34
- Sanolian, O. - New pipes and sleeve made of asbestos cement p.35.
- Khukanosian, E. - Industrial-frequency induction furnaces p.38.
- Arutunian, B. - Interiors of industrial buildings p.39
- Simonian, R. - Improve the utilization of hops in the beer brewing industry p.41
- Danolian, B. - Flat roofs p.42
- Shraponian, M., Abugian, TS., Daniellian, A. - Geological and structural conditions for the open-pit mining of the Kadzharan deposits p.44
- Mikarov, K. - Characteristics of water suction from lightweight concrete mix by means of porous stone. p.48
- Kazarian, IU. - Gas burner as a source of infrared rays. p.50.
- Kandarian, S., Mndzhonian, K., Sarkisian, A. - Electrochemical finishing after electric pulse machining p.53.
- In the Special Artistic Design Office p.56
- Petrosian, V. - Training specialists for the chemical industry p.58
- Use plastics in industry p.59
- In the U.S.S.R. p.61
- In the Party and State Control Committee of the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S.S.R. p.65
- In the Economic Council of Armenia p.66
- In the House of Technology of Armenia p.68.
- Brief news. p.69
- Antonian, V. - Improve the centralized freight haulage. p.70.
- Maksudian, E. - Compensation for health injuries in plants. p.71.

REFERATIVNYI ZHURNAL: METROLOGIYA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MEASUREMENT AND MEASUREMENT TECHNIQUES (Separate Issue 32)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1965.

STANDARTIZATSIIA [STANDARDIZATION]. Issued by Komitet standartov, neri i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol.20, no.3, Mar.1965.

Table of contents translated.

Standards and quality. p.2.

Ways of improving standardization. p.4.

Mezhumian, S.G., Razumov, N.A. - Evaluating the consumer quality of production according to organoleptic indices. p.7.

Shapiro, G.I., Gotana, S.I. - Tolerances for the external diameter of pressure pipes made of high-density polyethylene. p.12.

Zotsev, V.S., Timoshuk, L.T., Korbut, E.K. - Testing sheet metals. p.16.

Skordzhov, A.I., Martynovskii, L.IA., Sorochan, IU.P. - Evaluation and standardization of traction and speed properties of motor vehicles and automobile trains. p.18.

Pas'ko, N.I. - Plotting series of standard sizes by means of mathematical solutions. p.24.

Gladkii, V.K. - Using standard parts in the Special Design Bureau of the South Kazakhstan Economic Council. p.26.

Rapoport, P.I. - Standardization of electric mine locomotives. p.27.

Barbukov, I.P. - Standardization of units and parts of agricultural machinery. p.31.

Deineko, V.G. - Reducing labor consumption in manufacturing and assembling pins with precision thread. p.36.

Portsov, L.P., Lukashevich, L.P. - Standardization of flanges of vessels and apparatus. p.40.

Sobolev, V.L. - Comparative testing of bimetal anti-friction materials. p.41.

Banketov, A.N. - Basic parameters of shears for cutting sheet metals. p.44.

Bernatskii, A.D., Rabinovich, A.L. - Methods for standard tensile testing of small specimens of polymer materials. p.46.

Ukrainian conference on standardization. p.50.

Dymshits, Z.A. - State standardization is the foundation of high quality and reliability of industrial production. p.52.

Mandelbaum, S.L. - Conference on standardization in Baku. p.54.

Koriakin, A.G. - In the Karelian State Testing Laboratory. p.54.

Fel'ts, IA.E., Lungor, V.P. - Seminar and conference at the Donetsk Economic Council. p.55.

Pokhvalinskii, S. N. - Standardization at the "Krasnoe Sormovo" Plant. p. 56.  
 Sirotnin, M. A. - Prizes awarded at the Exhibition of the Achievements of the National Economy for works in standardization. p. 50.  
 Kondrat'ev, P. V. - At the sixth session of the International Organization of Standardization. p. 61.

**TALLINN, POLYTECHNIC INSTITUTE.** Toimetised. Seria A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies]. No. 125, 1964. Sbornik statei po khimii i khimicheskoi tekhnologii [Papers on Chemistry and Chemical Technology], no. 11.

**VSESIOUZNIY SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV.** Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U.S.S.R.], Moscow, vol. 7, no. 3(75), Mar. 1965.

Table of contents translated:  
 Ivanov, A. - The most important thing in our work. p. 2.  
 Pukhov, A. - In friendship with new developments. p. 6.  
 Sergeev, B. - At the head of technical development. p. 9.  
 Chukhanov, Z. - Power engineering opens new perspectives. p. 9.  
 Shchegolev, D. - Problems in the utilization of underground waters. p. 13.  
 Zhebrak, A. - Effective method for increasing the fertility. p. 16.  
 Stollarov, N. - Novochebarkassk system for industrial management. p. 18.  
 Ostaf'ev, A. - Our additions to the Novochebarkassk system. p. 22.  
 Alfeev, I. U. - Workdays of industrial diamonds. p. 26.  
 Shpabl, L. - For a perfect project. p. 31.  
 Zakhar'in, A. - What kind of person should he be? p. 33.  
 Biriukova, A. - Seeing what the future holds. p. 35.  
 Usachev, I. - Creative activity is the motto of an engineer. p. 37.  
 Karataev, I. U. - Our people's university. p. 40.  
 Mandrugina, A. - Great achievements of a small plant. p. 42.  
 Cheichis, I. - Channels of fertility. p. 45.  
 Zhuravlev, A. - Efficient kind of communications. p. 48.  
 Korotkiy, I. - Master of the "golden fleece." p. 50.  
 New developments in the Soviet science and technology. p. 52.  
 Ezhekov, V. - Integral stereoscopy. p. 54.  
 Alekhin, N., Levin, A. - Meeting of chemist-scientists in Warsaw. p. 59.  
 Plotkin, S. - Voluntary Society of the Soviet Intelligence. p. 61.

Vol. 7, no. 4(76), Apr. 1965

Table of contents translated:  
 Stollarov, N. - Be concerned over the progress of technology in the Leninist way. p. 1.  
 Samarin, A. - Make every effort to consolidate creative contacts. p. 5.  
 Lulat, N. - There should be no complaints. p. 7.  
 Aleksandrov, S. A. - On the level of the best standards in the world. p. 10.  
 Butusov, V. - Technical aesthetics is a component of industrial production. p. 13.  
 Chermishev, G. - Fertilizer but not a waste product. p. 17.  
 Kamenitsky, S. - Proper utilization of industrial capacity. p. 22.  
 Iakubov, T. - Preventing soil erosion caused by wind. p. 25.  
 Kul'bachko, A. - All has been achieved by active workers. p. 29.  
 Fokurov, S. - We shall not remain indebted. p. 33.  
 Lobzhanidze, M. - Rustavi chemists are studying. p. 35.  
 Ple'menskiy, A. - A forge of specialists. p. 36.  
 Khais, A. - Potentialities of a fleet. p. 39.  
 Stepanov, I. - The V.I. Lenin Works. p. 41.  
 Dmitriev, I. U. - Silver cigars are prepared for a start. p. 43.  
 Leonidov, L. - Powerful and efficient weapon. p. 46.  
 Panchishin, V. - Electric stimulation in hydraulic engineering. p. 48.  
 New developments in Soviet science and technology. p. 50.  
 Morozov, V. - Collective supervision of the technological policy of an enterprise. p. 52.  
 Chistov, A. - Visiting our friends. p. 58.  
 Sudakov, N. - The 20th anniversary of the A. S. Popov Society. p. 61.

**\*ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ [JOURNAL OF TECHNICAL PHYSICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 35, no. 4, Apr. 1965.

Table of contents translated:  
 Fedorenko, N. V., Ankudinov, V. A., Il'in, R. N. - High-excited hydrogen atoms and Lorentz ionization. p. 585.

Abramian, E. A., and others - Betatron with helical accumulation of electrons. p. 605.  
 Abramian, E. A., and others - Pulse iron-free synchrotron. p. 612.  
 Makhnenko, L. A., Pakhomov, V. I., Stepanov, K. N. - High-frequency focusing in linear accelerators. p. 618.  
 Kazanskiy, G. S., Mikhailov, A. I., TSarenkov, A. P. - Stabilizing the intensity of particle beams in an OIAl proton-synchrotron. p. 623.  
 Moskatov, B. A. - Toratron, an induction accelerator of electrons. p. 630.  
 Lutsenko, E. I., and others - Study of a linear induction accelerator. p. 635.  
 Azovskiy, I. U. S., and others - Motion of plasmoids in a space devoid of fields. p. 643.  
 Makarov, I. U. V., Maksimov, A. M. - Structure of shock waves in an electromagnetic shock tube. p. 650.  
 Makarov, I. U. V., Maksimov, A. M. - Spectroscopic studies on the electromagnetic shock tube. p. 658.  
 Danilkin, I. S. - Conversion of two transverse waves into a longitudinal one in a collisionless plasma. p. 667.  
 Bellantsev, A. M., Gaponov, A. V., Freidman, G. I. - Structure of the front of electromagnetic shock waves in transmission lines with nonlinear parameters. p. 677.  
 Bellantsev, A. M., Gaponov, A. V., Freidman, G. I. - Structure of shock waves in nonlinear transmission lines with decelerated excitation of the internal degrees of freedom. p. 690.  
 Minenko, L. I., Fomenko, G. P. - Study of an electron beam from a ring gun. p. 705.  
 Kuz'min, L. I., Shulika, N. G., Demchenko, P. A. - Developing the method of plasma probing by fast particle beams in studying plasmoids. p. 711.  
 Shvets, O. M., and others - Study on the properties of a plasma in mutually opposed electric and magnetic fields. p. 717.  
 Suslikov, A. D., Meos, V. A. - Use of the klystron method in generating nanosecond and subnanosecond video pulses. Part 1. p. 723.  
 Suslikov, A. D., Meos, V. A. - Use of the klystron method in generating nanosecond and subnanosecond video pulses. Part 2. p. 739.  
 Sidorenko, I. S., Revutskiy, E. I. - Studying the properties of superconducting resonators at the frequency of 1100 Mc. p. 748.  
 Bondarenko, I. I., Gus'kov, I. U. K., Lobachev, M. A. - Effect of a transverse magnetic field on a low-voltage arc in cesium vapors. p. 751.  
 Dymnikov, A. D., Flahkova, T. I. A., Iavoi, S. I. A. - Spherical aberration of the width of a linear image in a composite quadrupole lens. p. 759.  
 Chukova, I. U. P., Fok, M. V. - Rectification of a current by an electroluminescent capacitor. p. 762.  
 Danilov, E. V. - Development of the channel of a surface spark discharge. p. 769.

#### b. AERONAUTICS

**AVIATSIYA I KOSMONAVTIKA [AVIATION AND ASTRO-NAUTICS].** Moscow, vol. 47, no. 6, June 1965.  
 Table of contents translated:  
 In training as in combat. p. 2.  
 Vazhin, F. - Commander takes a decision. p. 8.  
 Telegin, K. - Tactical mission has been received in the air. p. 15.  
 Chivkin, A. - Above the target. p. 17.  
 Mantysyzov, I. - At a low altitude. p. 19.  
 Kovalev, V., Vasil'ev, P., Terent'ev, V. - The first outer-space expedition; medical and biological studies. p. 22.  
 Khorol'ykh, A. - Earth-atmosphere-outer space. p. 27.  
 Mezentshev, I. U. - Powerful stages. p. 32.  
 Kesarev, V. - Nature of comets. p. 36.  
 Shmonov, A. - Commander's exactingness. p. 39.  
 Sharonov, N. - When you know aeronautics.... p. 42.  
 Dvornikov, M. - Instrument flight and its regularities. p. 48.  
 Khobystov, T. - Visual orientation today. pp. 54, 58.  
 Glazkov, I., Galkin, N. - Automatic longitudinal balancing system of a turboprop airplane. p. 59.  
 Aleksandrov, V. - This can be prevented. p. 62.  
 Mukhin, M., Armeev, G. - Save fuel and take care of equipment. p. 65.  
 Iarmolovich, G. - Characteristics of the operation of the L-29 airplane engine. p. 67.  
 Kazachkov, L. - Our flight-testing station. p. 73.  
 TSarinskiy, A. - For the life of a pilot friend. p. 77.

**GRAZHDANSKAIA AVIATSIYA [CIVIL AVIATION].**

Issued by Glavnoe upravleniye grazhdanskogo vozdukhonogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U.S.S.R.], Moscow, vol. 22, no. 2, Feb. 1965.

Table of contents translated:  
 One more aviation year. p. 2.  
 Mikhailov, P. - Unfinished story about a hero. p. 6.  
 Salmin, E. - For 75 thousand hectares. p. 6.

Kul'ga, V. - And there was a clap of thunder... p. 9.  
 Mazo, D. - The correspondence student demands attention. p. 10.  
 Aleksandrov, V. - In new orbits. p. 12.  
 Grigor'ev, G. - The motherland remembers, the motherland honors. p. 16.  
 Iatanovich, M. - Ground resonance of the Mi-2 helicopter. p. 19.  
 Chapke, A., Erokhin, V. - The pilot in an emergency situation. p. 19.  
 Efremov, V. - Authority of the public inspector. p. 22.  
 Adon'ev, I. - Inspection is assistance. p. 22.  
 Grigor'ev, I. - Headquarters or office? p. 24.  
 Musellan, A., Miroshnikov, A. - Annular airlines. p. 28.  
 Pionatovskiy, S. - Favorite forms. p. 28.  
 Turbin, D. - With Hungarian friends. p. 30.

**KAZAN, AVIATION INSTITUTE.** Trudy [AERONAUTICAL INSTITUTE. Transactions]. no. 71, 1962.

Table of contents translated:  
 Kuz'min, P. A. - Guryits's theorem in the direct method of Liapunov. p. 3.  
 Matrosov, V. M. - Problem of the stability of gyroscopic systems on a mobile basis. p. 12.  
 Skimel', V. N. - Stability of certain motions of a gyrostator. p. 30.  
 Salimov, R. B. - Solution of boundary value problems in aerohydrodynamics. p. 42.  
 Monakhov, N. M. - Problem involving a hypersonic gas flow past a slender body. p. 50.  
 Kazban, A. M. - Solution of the Dirichlet problem for multiply connected regions. p. 56.  
 Steshnev, V. A. - Solution of the problem of the conjugation of functions satisfying the Laplace equation. p. 73.  
 Polkovnikov, V. I. - Selection of the setting angle and programming the thrust of the auxiliary rockets on an airplane. p. 78.  
 Zuev, I. V. - Application of analytic functions to the problem involving straight lines on a plane containing an imaginary double Kohns net. p. 97.  
 Khramutdinova, N. V., Monakhov, V. N. - Some boundary properties of harmonic and parabolic functions. p. 106.

**KRYLIA RODINY [WINGS OF THE MOTHERLAND].**

Issued by Vsesoyuznoe dobrovol'noe obshchestvo sodeistviya armii, aviatzii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 13, no. 3, Mar. 1962.

Table of contents translated:  
 Shatunov, G. - Patriotic duty of the Communist Youth League member. p. 1.  
 Kuz'min, N. - Great honor. p. 3.  
 Maksimov, L., Savin, V. - Sport of the young and brave. p. 4.  
 Samsonov, O. - Real lads. p. 7.  
 Zhaikovskiy, I. - Enthusiasts. p. 10.  
 Vinokurov, A. - Tula. p. 12.  
 Astashevskiy, P. - Into the road to the stars. p. 14.  
 Nechaev, N. - Story of the bravery of winged friends. p. 14.  
 Rzeszowski, M. - Honorary award. p. 16.  
 Deviatkin, A. - Always in search. p. 17.  
 Nelaev, V., and others - Facts, events, people. p. 18.  
 Pokol'ev, S. - Communist Youth League flame. p. 20.  
 Well done, Sasha Kormashchikov! p. 21.  
 Golubkov, M., Petrov, K. - August 1962, Orange airfield. p. 22.  
 New sports experts. p. 23.  
 Steklannov, I. - Long before the competitions... p. 24.  
 Dmitriev, A., Semenov, V. - Radio equipment for proportional control of an airplane model (conclusion). p. 26.  
 From the practice of foreign airplane modelling. p. 28.  
 Safronov, E. - Altitude equipment of airplanes. p. 29.  
 Pizhvatkovskiy, V. - Florida, the new center of rocket building in the U.S.A. p. 31.  
 Table of all-Union aviation records as of January 1, 1962. Insert; p. 1.

Vol. 10, no. 3, Mar. 1965.

Table of contents translated:  
 Gelman, A. - For high discipline and rigid order! p. 1.  
 Chechneva, M. - A heart full of fire. p. 4.  
 A chronicle of heroism. p. 6.  
 Efimov, M. - Rollo of naval aviation glory. p. 8.  
 Gaponov, V., Zaitsev, A. - The invincible fund of the people. p. 8.  
 Panchev, V. - On the wings of a dream. p. 10.  
 Rubber-motor model of the "Chaika" airplane. p. 10.  
 Ruslanin, T. - Breaking records. p. 11.  
 Vinokurov, A., Zel'venskiy, I. U. - Moscow, Tushino. p. 13.  
 Educate young patriots. p. 16.

The strongest, the best. p.16.  
 Glushkov, I. - Modern sports parachutes. p.17.  
 Facts, events, people. p.20.  
 Flight into the distance. p.22.  
 With our friends. p.24.  
 Lebedinskiy, M. - Always in search. p.25.  
 Smirnov, E. - Train persistently. p.27.  
 Changes in the sports code. p.30.  
 Our commentary. p.30.  
 Viktorov, I. - Saboteurs in American uniforms. p.31.  
 Assistance to airplane model builders. insert. p.1

REFERATIVNYI ZHURNAL AVIATSIONNYE I RAKET-  
 NYE Dvigateli (Otdel'nyi vypusk 34) [JOURNAL  
 OF ABSTRACTS: AIRCRAFT AND ROCKET ENGINES  
 (Separate Issue 34)]. Issued by Institut nauchnoi  
 informatsii Akademii nauk SSSR [Institute of Scientific  
 Information of the Academy of Sciences of the  
 U.S.S.R.]. Moscow, no.5, May 1965.

REFERATIVNYI ZHURNAL RAKETOSTROENIE (Otdel'-  
 nyi vypusk 41) [JOURNAL OF ABSTRACTS: ROCKET  
 BUILDING (Separate Issue 41)]. Issued by Institut  
 nauchnoi informatsii Akademii nauk SSSR [Institute of  
 Scientific Information of the Academy of Sciences of  
 the U.S.S.R.]. Moscow, nos. 5-6, May-June 1965

REFERATIVNYI ZHURNAL VOZDUSHNYI TRANSPORT  
 [JOURNAL OF ABSTRACTS: AIR TRANSPORTATION].  
 Issued by Institut nauchnoi informatsii Akademii nauk  
 SSSR [Institute of Scientific Information of the Acad-  
 emy of Sciences of the U.S.S.R.]. Moscow, no.5,  
 May 1965. [This journal is also issued in parts.]

\*RUSSIA(1023- U.S.S.R.) Ministerstvo vysshego i  
 srednego spetsial'nogo obrazovaniya. Izvestiya  
 vysshih uchebnykh zavedeniy, aviatsionnaya tekhnika  
 [Ministry of Higher and Secondary Specialized  
 Education. Bulletin of the Institutions of Higher  
 Learning, Aviation Engineering]. Moscow, vol.8,  
 no.2, 1965.

Table of contents translated:  
 Belik, N.P. - Calculating natural vibration frequencies  
 of a liquid in compound piping. p.3  
 Burago, S.G. - Analytic calculation of supersonic axi-  
 symmetric perfect gas flows without consideration  
 of the viscosity. p.9  
 Luk'yanov, A.T., Ibragimov, I.I., Kashkarov, V.P. -  
 Boundary layer on a moving continuous flat surface.  
 p.18  
 Farzan, R.Kh. - Shock functionals in momental equa-  
 tions for gases with internal degrees of freedom  
 p.26  
 Sverdlov, I.A. - Distribution of a concentrated force  
 along the wing ribs. p.34  
 Churakov, V.N. - Problem of the similitude in case of  
 elastic and plastic phenomena in solids. p.40  
 Artemov, E.A. - Experimental and rated determina-  
 tion of the pliability of flexible supports of turboma-  
 chines. p.48  
 Deviator, V.I. - Investigating heat transfer of two  
 versions of cooling systems for turbine disks. p.56  
 Emlin, O.N., Bykov, N.N. - Effect of thermodynamic  
 properties of the working medium on the selection  
 of optimum parameters for gas turbine p.65  
 Kapinos, V.M. - Heat transfer of a disk rotating in a  
 housing. p.76  
 Kozlov, O.V., Skoblov, I.U.A., Chernetskiy, A.V. -  
 Gas-discharge-type ion and atom sources with an  
 incandescent cathode. p.87  
 Liubchenko, I.S. - Asymptotic calculation of the tem-  
 perature field of gas turbine blades. p.92  
 Maksutova, M.K. - Calculating losses caused by the  
 radial gap in a turbine impeller. p.103  
 Mukhachev, G.A. - Transition of substance through  
 the boundary state. p.110  
 Sten'kin, E.D. - Consumption and pressure character-  
 istics of the mixing chamber of a bypass turbojet  
 engine. p.115  
 Khudenko, B.G. - Ignition conditions in case of a non-  
 thermal activation of the combustible mixture.  
 p.121  
 Chuian, R.K. - Approximate calculation of the geo-  
 metry of electrodes for the formation of a curvi-  
 linear parallel-plate charged-particle beam. p.132  
 Rozhdestvenskiy, B.S. - Investigating hydraulic impact  
 applicable to aircraft hydraulic systems. p.136  
 Pogrebennyi, I.N., Tanskiy, A.M. - Designing the in-  
 put edge and input area of the blade of a centrifugal  
 pump wheel in case of an arbitrary initial twisting  
 of the fluid flow. p.147  
 Lokai, V.I., Khalullin, R.G. - Additional energy  
 losses in cooled gas-turbine units and their effect  
 on the relative parameters of the cycle. p.152

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i  
 obozrazheniy [PROBLEMS OF ROCKET TECHNOLOGY;  
 A COLLECTION OF TRANSLATIONS AND ILLUSTRATIONS]  
 by Izdatel'stvo "Mashinostroyeniye" [Publishing  
 House "Machinery Building"]  
 1965.

FERMENTNAYA I SPIRTOVAYA PROMYSHLENNOST'  
 [FERMENTATION AND DISTILLING INDUSTRY].  
 Organ of Gosudarstvennyi komitet po pishchevoi pro-  
 myshlennosti pri Gosplane SSSR i Tsentr al'noe  
 pravleniye Nauchno-tekhnicheskogo obshchestva pish-  
 chevoi promyshlennosti [State Committee for the  
 Food Industry, Attached to the State Planning Com-  
 mittee of the U.S.S.R. and the Central Administration  
 of the Scientific Technological Society of the  
 Food Industry]. Moscow, vol.31, no.1, 1965.

Table of contents translated  
 Working-out the plan for the development of the  
 fermentation and distilling industries for 1966.  
 p.1  
 Iarovenko, V.L., and others. - Fermentative hy-  
 drolysis of starch in continuous alcohol fermenta-  
 tion. p.5  
 Grebeshova, R.N. - Effect of the various sources of  
 phosphorus on the biosynthesis of amylolytic fer-  
 ments in ultraviolet mutants of fungi. p.10  
 Shul'man, M.S., Apattseva, V.A. - Sorption of fer-  
 ments by sefadex. p.14  
 Aganoseva, L.N., Malchenko, A.L. - Study of the  
 heat conductivity of fermentative solutions. p.17  
 Lifshits, D.B. - Losses of the dry substances of the  
 nutrient medium in the production of ferment pre-  
 parations. p.21  
 Griaznov, V.P. - Comparative composition of crude  
 alcohol obtained from the saccharification of mash  
 with malt and by a mold fungi culture. p.24  
 Koloskov, S.P., and others. - Yeast generator with  
 self-aeration. p.26  
 Skiritsynskiy, A.I., and others. - Experiment in  
 industrial production of the fodder concentrate of  
 vitamin B<sub>12</sub>. p.29  
 Tararykov, G.M., Sazonova, E.A. - Use of brewery  
 wastes for the production of fodder terramycin.  
 p.31  
 Purnal, M.I.A. - Ultrasonic treatment of the nutrient  
 medium in the production of fodder biotamycin.  
 p.33  
 Panchenko, V.I. - Losses of finished products of  
 liqueur and vodka plants during transportation.  
 p.35  
 Solov'ev, A.V. - Introducing tubeless units for grow-  
 ing mold fungi in distilleries. p.37  
 Solov'eva, S.V. - Colorimetric method for determin-  
 ing unfermented carbohydrates in fermented beer.  
 p.38  
 Savchuk, M.I.A., Severov, B.P. - Introduction of  
 improvements and suggestions made by efficiency  
 promoters. p.39  
 Bulgakov, B.I., Pererva, I.A. - Boiler room with  
 cyclone combustion of mazut by the vortex method.  
 p.41  
 Sholikh, M.I. - Scientific technical conference of  
 the representatives of the distilling industries of  
 the Ukrainian S.S.R. p.47

Vol.31, no.3, 1965.

Table of contents translated:  
 Kataeva, A.A., Mendel'son, L.N. - The activity unit  
 of invertase. p.1  
 Dvadsataya, E.A., Butova, S.N. - Effect of the  
 concentration of hydrogen ions on the activity of  
 the amylolytic enzymes of the immersion culture  
 of Aspergillus oryzae 3-8-15. p.4  
 Losiakov, L.S., Mushnikova, L.N., Mishina, Z.N.  
 Studying the composition of pectin-splitting enzymes  
 in the preparation obtained from the surface  
 culture of Aspergillus niger. p.5  
 Fedorov, A.F., Kozyreva, E.F., Milakov, V.T. -  
 Possibility of an interferometric determination of  
 alcohol in water-alcohol solutions. p.10  
 Tsygankov, P.S. - Determining the operative capacity  
 of rectification towers. p.12  
 Fertman, G.I. - Effect of the use of growth promoting  
 substances on the fermentation activity of malt.  
 p.15  
 Denshchikov, M.T. - Use of the existing equipment for  
 the bulk fermentation of beer wort. p.20  
 Rybachuk, V.N. - Problems of labor productivity  
 accounting in case of the complete processing of  
 molasses in distilleries. p.24  
 Kopytin, V.T., Molostov, E.V. - Norms for the  
 number of workers in the starch, carbon dioxide,  
 biotamycin and amylase production in distilleries.  
 p.27  
 Petkov, A.V. - Utilization of the industrial capacity  
 of the existing production base of the distilling  
 industry. p.30  
 Iuditskiy, D.G. - Improved high-speed continuous sys-  
 tem for the cooking of starch raw materials in the  
 Vinnitsa Distillery. p.32  
 Akimenko, I.S., and others. - Method of water-and-  
 heat treatment of corn. p.36  
 Shcherbakov, N.P. - Utilization of carbon dioxide in the  
 Simferopol' Brewery. p.37

Purnal, M.I.A., Udovskiy, G.A. - Irradiation of  
 A.aureofaciens spores with ultraviolet rays. p.38.  
 In the Scientific and Technical Society of the Food  
 Industry. p.41.  
 Sol'fa Aleksandrovna Trusova. p.47.

Vol.31, no.4, 1965

Table of contents translated:  
 Put into practice the resolutions of the All-Union  
 Scientific and Technical Conference of the Repre-  
 sentatives of the Fermentation, Distilling, Liqueur-  
 Vodka, and Acetone-Butyl Industries. p.1  
 Vasil'ev, I.V. - Communist labor competition in the  
 Lkhivitsa Distilling Combine. p.4  
 Paleva, N.S., Popova, N.V. - Remotely activity of  
 the Aspergillus strain of mold fungi. p.6  
 Rodzevich, V.I., Dobrolinskaya, G.M. - Transglyco-  
 sylases accompanying the amylolytic enzymes of  
 the Aspergillus strain of mold fungi. p.8  
 Makeev, D.M. - Disinfection of the mixture of mold  
 fungi cultures used in mash saccharification. p.12  
 Brigadenko, M.K., Maslechikina, R.S., Usnikin, B.A. -  
 Flow sheet for sugar beet processing to alcohol  
 p.14  
 Makukhina, A.M., Korganova, M.N. - Effect of re-  
 peated addition of the culture medium on the activity  
 of chlorotetracycline and the morphology of L51-  
 2201 A.aureofaciens p.17  
 Andreev, K.P. - Return container receiving and count-  
 ing system. p.20  
 Ivanov, A.I., and others. - Washing of fusel oil by  
 means of hydrodynamic mixing. p.23  
 Provorov, N.N. - Material incentive for leading dis-  
 tillery workers. p.24  
 Chatskiy, P.A. - Organizational chart of a distillery  
 p.26  
 Andreev, K.P., Azrielovich, S.S. - Alkali pump sta-  
 tion for bottle washing machines. p.28  
 Nimich, V.K. - Attachment to the automatic for vodka  
 product bottling in 0.1 liter bottles. p.31  
 Arkhipov, S.M. - Pressure regulator for lager tanks.  
 p.33  
 Koval'chuk, P.S. - Successful contest participation of  
 the Scientific and Technical Society of the "Dnestr"  
 firm p.37  
 Draluk, V.I.A. - Continuation of the activities of the  
 public inspection campaign. p.39  
 Parkhomchuk, M.A., Zaborodskiy, A.G., Koval'chuk,  
 I.S. - Modification of the composition of molasses  
 stillage during the growing of fodder yeast p.40  
 Lebedeva, I.M. - Need for the coordination of the  
 formulas and state standards for vodka and liqueur  
 products p.44  
 Kuzovkov, A.I. - Is there a need for a four-brigade  
 shift system in distilleries? p.45

GAZOVAYA PROMYSHLENNOST' [GAS INDUSTRY].

Organ of Gosudarstvennyi proizvodstvennyi komitet  
 po gazovoi promyshlennosti SSSR [State Production  
 Committee for the Gas Industry of the U.S.S.R.],  
 and others. Leningrad, vol.10, no.3, 1965.  
 Table of contents translated:  
 Bykov, V.N., Dozorov, R.N. - First gas-bearing  
 area in the Vasyana well in the Perm Province  
 portion of the Kama Valley. p.1  
 Zdorov, S.F., Leshchenko, V.E. - Exploitation of  
 wells and the intensification of gas production in a  
 late stage of the development of gas fields. p.3  
 Pravoverov, K.N., Maevskiy, M.A., Mirzolan,  
 Zh.V. - Operation of gas infrared radiators p.7  
 Zemlanskiy, I.I.A. - Motorless gas pumps. p.13  
 Novak, S.I.A. - New method for making connections to  
 high and medium-pressure city gas mains. p.19  
 Afrosimova, V.N. - Studying mixture formation in  
 cold models. p.22  
 Bark, S.E. - Multinozzle injection burners with a  
 stabilizing cone. p.27  
 Kurkina, Z.A. - Economic efficiency in the utilization  
 of natural gas in the glass industry. p.31  
 Regel'man, M.A. - Present-day technology of the re-  
 finement of casing-head gas. p.36  
 Aleksandrov, I.A., and others. - Hydraulic calculation  
 of grid-plate columns. p.40  
 Khalatin, V.I., Sidorenko, M.V. - Underground stor-  
 age of gas for Moscow. p.47

Vol.10, no.4, 1965.

Table of contents translated:  
 Vasil'ev, V.G., and others. - Present status of and  
 prospects for the development of the production  
 of natural gas in the eastern Ukrainian oil- and  
 gas-bearing region. p.1  
 Kozlov, V.A., Panasov, B.V., Staroselskiy, V.I. -  
 Developing a group of gas fields with small gas  
 reserves. p.6  
 Vigdorchik, D.I.A., Maevskiy, M.A. - Cabinot-type  
 gas regulator points for reducing the pressure of  
 gas. p.12  
 Vysheselskiy, A.N., Shmuel'son, I.E. - Determining  
 the temperature of the ceramic plates of gas  
 radiation burners. p.16

- Levin, S.R., and others. - Determining the hydraulic resistance of operating city gas mains, p.20.
- Llando, I.M. - Equipping vertical (stationary) steam boilers operating on gas with explosion safety valves, p.22.
- Lukin, N.I. - Experimental investigation of the distribution of heat flows along the height of the transverse section of a horizontal heating chamber, p.24.
- Erinov, A.E., Soroka, B.S., Soroka, V.A. - Investigating and using injection burners with two active jets, p.28.
- Islamov, M.Sh. - Improved design for a gas burner for drum dryers, p.33.
- Aleksandrov, A.V., and others. - Using electronic computers for the rapid calculation of nonstationary regimes in the operation of gas pipelines, p.35.
- Arskii, A.K., Sukharev, M.G. - Determining the optimal parameters of a gas pipelines using an electronic computer, p.40.
- V.Te. - Changing the method for the accident stop of 280-11 centrifugal blowers with electric drive, p.44.
- Podreshetnikov, V.A., and others. - Two-stage pressure regulator with a handle for turning on the feed of the working medium, p.45.
- Artushenko, G.V., Shpilanskii, M.A. - Preparative method for obtaining pure methane, p.46.
- GIDROLIZNAIA I LESOKHIMICHESKAIYA PROMYSHLENNOST' [HYDROLYSIS AND WOOD CHEMISTRY INDUSTRY].** Issued by Gosudarstvennyi komitet po lesnoi, tseliulozno-bumaznoi, delevobratyvatyushchei promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR i Tsentral'noe pravleniye NTO bumazhnoi i delevobratyvatyushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industries], Moscow, vol.18, no.2, 1965.
- Table of contents translated:
- Make efficient use of the raw material sources of turpentine, p.1.
- Rodionova, G.S., and others. - Yeast adaptation to furfural, p.3.
- Kreitan, E.Sh., Korol'kov, I.I. - Investigating the process of sugar separation in case of the use of a side feeding tube for percolation, p.6.
- Fedorishchev, T.I. - Analysis of soluble wood tars, p.9.
- Bardyshev, I.I., and others. - Quantitative composition of the tar acids of pine and fir oleoresin, p.10.
- Anuchin, P.I., Flisov, A.I., Mikhailov, G.F. - Corrosion resistance of various copper types in acetic acid solutions, p.12.
- Gurlekh, N.A., Raktina, M.A., Vinogradova, G.P. - Use of oleoresins and colophony obtained from hardwoods in the various branches of the industry, p.15.
- Olovenikov, G.B. - New RTS-4 chemical streak cutter, p.17.
- Romanovskii, G.G., Papylin, A.P. - Oleoresin yield from ascending strunks, p.18.
- Zinina, M.A. - Production of food quality ethyl alcohol and methanol meeting the requirements of the state standard 2222-54, p.19.
- Asutina, E.I. - Improving the production of fodder yeast, p.23.
- Morzhiklin, S.A., Rodin, V.A. - Spray dryer for fodder yeast, p.24.
- Kovtun, A.S. - Useful proposal, p.26.
- Rodin, G.A., Tishin, P.V. - Double-level method for turpentine with the use of sulfuric acid, p.27.
- Tarasova, A.G. - In the Scientific and Technical Society organization of the Ashinsk wood processing combine, p.28.
- Isupov, I.U.A. - Long-term turpentine with chemical stimulation proves to be effective, p.29.
- Kulygin, M.F. - Arrangement of the technological equipment of wood processing enterprises in the open, p.30.
- In the State Committee of the Forest Industries Attached to the State Planning Commission of the U.S.S.R. p.31.
- Shikina, V.V. - All-Union Public Review of the Technological Progress, p.32.
- Korol'kov, I.I., Likhtnos, E.F. - Composition of the reducing nonsugars of hydrolyzates, p.9.
- IAkovenko, G.Z., Afanas'eva, G.A. - Rapid method for determining moisture in lignin and collectivity, p.12.
- Lianlin, V.A. - Yield of products in the gasification of the bark of coniferous wood, p.13.
- Maslennikov, A.S., Poryayeva, G.N. - Determination of pyrotechnics in wood chemical products, p.15.
- Goideev, A.V., Lugvischik, V.V. - Resin productivity of southern pine species, p.17.
- Diozdov, N.P. - Application of the Konovalev rule in determining the amount of heat liberated in the determination of sewage by burning, p.18.
- Belen'kii, S.I., Komaiova, L.I. - Propagation of fodder yeast on corn cob hydrolyzates, p.20.
- Pavlov, P.P., Shul'gin, V.A., Podoprigin, T.I. - Tapping of pine plantations of the fourth and fifth class in northern regions, p.22.
- Nikonov, V.I. - Production of fodder yeast at the Kholass sulfite alcohol plant, p.24.
- Galushka, E.M., Oborina, L.M. - Storage of yeast and characteristics of their fermentation initiation, p.25.
- IEfimenko, V.I. - Results of introducing the method of salt-free settling of oleosins, p.26.
- Sapiro, M.M., Sirotnikov, S.Z. - An experimental shop at the Leningrad Hydrolysis Plant, p.27.
- Popov, I.I. - Device for the automatic cutting of dowels, p.29.
- Kuznetsov, N.D. - Mechanized removal of distillation residue, p.30.
- Kriuchkov, G.I.A. - All-Union Conference on turpentine, p.30.
- Norina, A.E. - Improve the chemical and technical production control, p.32.
- \*KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER].** Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR i Vsesoyuznoe khimicheskoe obshchestvo imeni D.I.Mendeleeva [State Committee for Chemistry, Attached to the State Planning Committee of the U.S.S.R., and the D.I.Mendeleev All-Union Chemical Society], Moscow, vol.24, no.4, Apr.1965.
- Table of contents translated:
- Marek, A.I., Sidorovich, E.A. - Effect of molecular weights on the dynamic mechanical properties of cis-1,4-butadiene synthetic rubber, p.1.
- Prilonskaya, N.V., Ostrovskaya, N.M. - Efficient mixing methods for the preparation of butadiene-styrene based rubber compounds in the production of technical synthetic rubbers, p.5.
- Bashev, I.M., and others. - Use of the continuous method for the production of black-extended butadiene-styrene rubber, p.8.
- Kuznetsov, A.R., Pavlov, N.N., Pavlov, S.A. - Nature of the interglobular interaction in the films of grade 30-1 synthetic styrene rubber latex obtained by means of ionic deposition, p.13.
- Gurevich, A.G. - Use of experimental-static analysis methods in the rubber industry, p.15.
- Feldman, G.I., Godelik, B.M. - Testing the strength of rubber-metal valves, p.21.
- Prashchiklin, V.N., Vlasova, Z.D. - Effect of the rim width on the operational properties of type "R" truck tires, p.24.
- Poturev, V.N., Chervonenko, A.G. - Studying the parameters of the transport of granulated rubber and rubber compounds on a vibratory vertical conveyor, p.27.
- Pozin, A.A., and others. - Mechanized method for the manufacture of warm rubber boots, p.32.
- Molodtsova, N.N., Samoilova, V.V. - Stereospecific polymerization of butadiene in polar media, p.35.
- Shvarts, A.G. - Using the swelling method for the study of the properties of various rubber types, p.39.
- Lakunovich, A.G., Ponomarenko, V.I. - Use of a mixing nozzle for the separation of unpolymerized butadiene from butadiene-styrene latex, p.43.
- Meerson, V.D., Chizhov, P.F. - Four-section filter with rotating blades for the free-flowing ingredients of rubber compounds, p.45.
- Prasolov, S.A. - Problems of the operation of automation systems in tire factories, p.46.
- Kaplanov, M.I.A. - All-Union symposium on the radiation chemistry of polymers, p.49.
- KHIMIA I TEKHNOLOGIYA POLIMEROV; sbornik perezodov i obozrov iz inostranoi periodicheskoi literatury [THE CHEMISTRY AND TECHNOLOGY OF POLYMERS; Translations and Surveys from Foreign Periodical Literature],** Moscow, vol.9, no.4, 1965.
- KHOLODIL'NAIA TEKHNIKA [REFRIGERATION ENGINEERING].** Issued by Vsesoyuznyi nauchno-issledovatel'skii institut khodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry], Moscow, vol.42, no.2, Mar.-Apr. 1965.
- Table of contents translated:
- Dobrovolskii, A.P. - New requirements for the design, construction and testing of ship refrigerating equipment, p.1.
- Iakobson, V.B. - Energy losses in hermetic system compressors, p.4.
- Medovar, L.E. - Indicating of FUBS12 and FUBS9 compressors, p.9.
- Redkozub, B.D., Artemukh, B.T. - Selecting the built-in electric motor for hermetic system compressors, p.14.
- Sil'man, M.A. - Determining the working steam consumption in steam jet refrigerating systems, p.17.
- Gozelik, S.Sh. - Graphic method for the design of a system for the cooling of objects with different temperatures, p.19.
- Agranov, Kh.I., Reiman, L.V. - Automatic gas analyzer for determining the microconcentrations of Freon, p.20.
- Chupakhin, A.I.A. - Automatic systems for ammonia refrigerating plants, p.23.
- Kononov, I.U.G., Shavva, V.M. - Two-position and proportioning pressure regulators for Freon refrigerating machinery, p.26.
- Seliveisov, V.M. - Use of dibutyl phthalate for Freon absorption refrigeration systems, p.30.
- Mel'tser, L.Z., Drenliukh, T.S., Semeniuk, V.A. - Experimental study of the properties of the mixtures of Freon 22 with lubricants, p.33.
- Danilova, G.N. - Effect of pressure and saturation temperature on heat exchange in the boiling of Freons, p.36.
- Merkulov, A.P. - Apparatus for freezing and long-term storage of biological products, p.43.
- Derblnova, E.S. - Indicator micro-organisms and improvement of the bacteriological control in the production of ice cream, p.45.
- Geller, I.M. - Servicing zones of wholesale cold storage warehouses, p.50.
- Bady'kes, I.S., Gindlin, I.M. - Suggested amendments of the Safety Regulations for Ammonia Refrigerating Plants, p.54.
- Iazebnik, R.M., Chupakhin, A.I.A. - Control of the temperature of the feeding of ammonia compressors, p.57.
- Petrushkin, I.U.M., Petel'man, D.I. - Regulator of the oil level in compressor crankcases, p.58.
- Zhivushchev, A.A. - Filter for compressor oils, p.60.
- Olgachev, A.P. - Polyethylene nozzle for short-and-tube condensers, p.61.
- Mallarchikov, A.D. - Lubrication of the compressor of household refrigerators, p.62.
- Branch conference on the manufacture of refrigerating machinery, p.67.
- Scientific and Technical Conference on the Development of the Fleet of the Fishing Industry of the Member-Countries of the Mutual Economic Assistance Council, p.68.
- Vavilin, O.A. - Monogram for determining the air flow rate in a round duct, p.75.
- \*KOKS I KHIMIA [COKE AND CHEMISTRY].** Organ of Gosudarstvennyi komitet po khimii i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others, Moscow, no.4, 1965.
- Table of contents translated:
- Obukhovskii, I.A.M., Shelkhot, A.M., Goldberg, P.I.A. - Characteristic of the plasticity of Kuznetsk Basin coal, p.1.
- Gofman, M.V., Dineit, V.M. - Effect of preliminary drying and heat treatment on the coking capacity of charges with organic additives, p.6.
- Didenko, V.E. - Gas pressure conditions as a basis for the long service of coke ovens, p.15.
- Voloshin, A.I., and others. - Studying the properties of coke of two grades of coarseness, p.24.
- Mikhailov, G.N., and others. - Coking of a preheated coal charge in a rotary furnace, p.30.
- Anatolovskii, A.M. - Controlling the position of the lever during the charging of ovens, p.32.
- Kolesov, A.P., Privalov, V.E., Sokolov, V.Z. - Low sulfur benzene for organic synthesis, p.35.
- Zotov, V.A., Volkov, E.L. - Inspection of a carbon disulfide column, p.38.
- El'kind, I.S. - Practice in starting a new pitch coke unit, p.40.
- Petrenko, D.S., Ivanov, E.B. - Efficient refining of tar water, p.43.
- Kuz'mak, M.M., and others. - Determining the content of NH<sub>3</sub> and monoethanolamine in solutions and gases of units for gas purification from H<sub>2</sub>S and HCN, p.47.
- Shumov, N.D. - Replacement of car dumper platforms, p.48.
- Severin, P.A., Epimakhov, N.M. - Effect of certain factors on the strength of polychlorovinyl coatings on concrete, p.50.
- Ostrovskii, A.L., Kadeanikov, G.I., Komarov, P.A. - Mastering the use of the DN6/3 feeder on concentrates with a high moisture content, p.52.
- Sonkovich, K.V. - Scientific technological conference on the results of testing the Nizhny Tagil crushing unit, held October 14-16, 1964, p.59.
- Mavkhin, G.D. - At the Makoyevka coke by-products plant, p.61.



Vol. 21, 1965

## Table of contents translated:

- Zhuravlev, A. I. - Foreword p. 5  
 Tarusov, B. N. - Opening address. p. 7  
 Allabulayev, K. A., and others - Mechanism of chemiluminescence of oxidation reactions in solutions p. 8  
 Zhuravlev, A. I., Veselovskii, V. A., Koshchenko, N. N. - Bioluminescence p. 19  
 Vladimirov, I. U. A., Litvin, F. F. - Mechanism of ultraweak luminescence in biological systems p. 51  
 Avakian, T. S. M., Tarusov, B. N., Adzhian, S. N. - "Oxygen effect" of bioluminescence p. 60  
 Gasinov, R. A., Mamedov, T. G., Tarusov, B. N. - Spontaneous and induced ultraweak luminescence of plant organisms p. 64  
 Konev, S. V., Kalibnikov, M. A. - Characteristics of bioluminescence of plant tissues p. 69  
 Zhuravlev, A. I., Filippov, I. U. N., Simonov, V. V. - Chemiluminescence and antioxidant properties of human lipids p. 75  
 Popov, G. A. - Use of the chemiluminescent method for studying oxidation reactions, induced in the bio-substrate, as related to the degree of its damage p. 90  
 Benevolenskii, V. N., Druzhinin, I. U. P., Alickseva, S. I. - Ultraweak chemiluminescence caused by the reaction of the native aqueous-saline extract of the rat liver with the superoxide from a boiled homogenate p. 99  
 Sapezhinskii, I. I., Silaev, I. U. V., Emanuel', N. M. - Studying the recombination of free radicals of irradiated protein and polymethylmetacrylic acid by the electron paramagnetic resonance and chemiluminescent method. p. 102  
 Klinton, N. A., Mamedov, T. G., Tarusov, B. N. - Luminescence method for studying free radical states. p. 107  
 Benevolenskii, V. N., Koshchenko, N. N., Veselovskii, V. A. - Chemiluminescence and toxicity of hydrogen peroxide and cysteine reaction products. p. 112  
 Sapezhinskii, I. I., Silaev, I. U. V. - Development of luminescence under the action of glacial acetic acid on serum albumin p. 117  
 Emanuel', N. M., and others. - Chemiluminescence of DNA solutions following X-ray irradiation p. 119  
 Sapezhinskii, I. I., Emanuel', N. M. - Effect of some radioprotective substances on the afterglow of serum albumin solutions p. 122  
 Tarusov, B. N., Zhuravlev, A. I. - Biochemiluminescence of lipids. p. 125  
 Zhuravlev, A. I. - Anomaly of lipid chemiluminescence. p. 133  
 Gurvich, A. A., Ereemeev, V. F. - Mitogenetic radiation as chemiluminescence. Interrelation between fluorescence processes and those similar to phosphorescence in living systems. p. 135  
 Chumakova, R. I. - Relation between the luminescence of luminous bacteria and the metabolic activity p. 142  
 Gmel'zon, I. I., and others. - Bioluminescence as a hydrologic and biological factor in a sea p. 147  
 Golub, S. I. - Luminescence of Phytophthora. p. 156  
 Meluzova, G. B., Kniazeva, L. L. - Studying chemiluminescence of the thermal decomposition of hydrogen peroxide in water p. 161  
 Ponomarenko, A. A. - Chemiluminescent quantitative analysis. p. 165  
 Vasil'ev, R. F. - Photoelectric devices for studying weak luminescences. p. 170  
 Fish, A. M., Salanskii, N. M., Chumakova, R. I. - Recording ultraweak bioluminescence by noncooled photomultiplier p. 177  
 Konev, S. V. - Nature and biological significance of ultraweak cell luminescences. p. 181  
 Zhuravlev, A. I. - Problems of bioluminescence. p. 184  
 Gitel'zon, I. I. - Correlation between bioluminescence and chemiluminescence of biological substrates. p. 184  
 Kuln, E. T. - Effect of the radiation interaction of cells on intracellular glycolytic processes. p. 196  
 Vasil'ev, R. F. - Some problems of the mechanism of chemiluminescence p. 188  
 Tkhor, L. F. - Chemiluminescence of oleic acid. p. 203  
 Tarusov, B. N. - Concluding remarks. p. 206

КОНСЕРВАЦИЯ И ОВОШЧЕСУШИЛ'НАЯ ПРОМЫШ-  
 ЛЕННОСТЬ [THE CANNING AND DEHYDRATED  
 VEGETABLE INDUSTRY]. Organ of Gosudarstven-  
 nyi komitet po pishchevoi promyshlennosti pri Gos-  
 plane SSSR and Tsentral'noe pravleniye Nauchno-  
 tekhnicheskogo obshchestva pishchevoi promyshlennosti  
 [State Committee for the Food Industry, At-  
 tached to the State Planning Committee of the U.S.S.R.,  
 and the Central Administration of the Scientific  
 Technological Society of the Food Industry]. Moscow,  
 vol. 20, no. 4, Apr. 1965.

## Table of contents translated:

- Timokhovich, P. P. - Comparative characteristics of continuous sterilizers. p. 1.

- Flaumenbaum, B. L. - Intensification of the steriliza-  
 tion methods of canned food and their scientific  
 basis p. 10  
 Kozyrev, V. E. - Improve the performance of boiler  
 rooms in canneries p. 18  
 Popena, G. D., Repetskii, D. E. - Use of the SPK-45  
 dryer in the production of corn flakes. p. 22  
 Zablotskii, R. V. - Improved continuous lines for the  
 production of canned "Green peas" p. 23  
 Alzenberg, V. I. A., Tishchenko, M. D., Babadzhanian,  
 M. F. - Causes of the formation of deposits in toma-  
 to juice and ways of its prevention p. 26  
 Krasnaia, V. I. A., and others - Adhesives for linear  
 labeling machines p. 31  
 Nizharadze, A. N., Chelshvili, A. N., Kevanishvili, V. N. -  
 Receiving and evaluating raw tomatoes according to the  
 content of dry matter. p. 33  
 Kozel, A. I. - Growing high onion crops in the Crimea  
 p. 36  
 Tsugalevich, B. A. - Important potentials for the re-  
 duction of the costs of production of dried fruit  
 p. 38  
 Berkh, M. S., Ustinova, M. S. - Trilonometric deter-  
 mining of copper salt content of canned food. p. 40  
 Fourth All-Union Public Inspection of the Fulfillment  
 of the Research Work Plans and Application of the  
 Achievements of Science and Technology in the  
 National Economy p. 42  
 Gorun, E. G. - Production of edible corn products.  
 p. 43  
 Valeiko, V. P. - Meeting of the active representatives  
 of the canning industry of Moldavia. p. 46

Vol 20, no 5, May 1965.

## Table of contents translated:

- Daily efforts to achieve production quality are our  
 paramount task. p. 1  
 Maliarchuk, I. U. T. - For the application of new devel-  
 opments in equipment and technology. p. 5  
 Gambarin, D. I. U., and others - Packaging of frozen  
 fruit and tomato juice in cartons. p. 9  
 Kukushkina, T. I., Balandina, L. V. - Sensitivity re-  
 quirements for tin can tasting machines. p. 13  
 Lobanova, A. S., Pokrovskaya, M. Z. - Biochemical  
 changes in the carbohydrates of potato tubers during  
 storage and their effect on the quality of dried po-  
 tato and potato crisps p. 16  
 Merzlikin, S. A. - Organization of the raw material  
 bases for Crimea canneries p. 19  
 Turkenich, P. S. - State of the canning industry of  
 Moldavia at the eve of the fruit and vegetable pro-  
 cessing season p. 21  
 Danilov, A. N. - Technical progress and bank credit  
 for the industry p. 24  
 Iaushova, Z. A. - Work norms for workers employed  
 under the hourly wage systems. p. 25  
 Odesskii, D. A. - Determining the corrosion of metal  
 and alloys in food media p. 28  
 Genin, S. A., Shebekoldina, E. S., Volodina, M. A. -  
 Dried pureed cereals p. 30  
 Rabiz, G. S. - Role of condenser systems in the heat  
 supply circuit of food enterprises. p. 39  
 Kozlov, A. S. - Magnetic starters without block con-  
 tacts. p. 42  
 Kozlov, A. S. - Lids for air ducts p. 42  
 Gussakov, V. N., Iakovleva, G. V. - Vibratory vertical  
 conveyors. p. 43  
 Seminar of the representatives of the canning, dried  
 vegetable, and food concentrate industry in  
 Dnepropetrovsk. p. 44  
 Participation of the Scientific and Technical Societies  
 in the fulfillment of the plans for scientific research  
 work and application of the achievements of science  
 and technology in the national economy during 1965  
 p. 44  
 Participation of the Scientific and Technical Societies  
 in the competition of factory collectives for the im-  
 provement of technological standards, quality, re-  
 liability and lengthening of the service life of manu-  
 factured products. p. 46

ЛЕНИНГРАД, ГОСУДАРСТВЕННЫЙ ИНСТИТУТ ПРИКЛАД-  
 НОЙ ХИМИИ, Труды [STATE INSTITUTE OF APPLIED  
 CHEMISTRY, Transactions, No. 51, 1964. Chemistry  
 and technology of luminophors.

## Table of contents translated:

- Rak-Ravetskaya, A. A. - Development of new chro-  
 matographic methods of fine purification of con-  
 centrated zinc sulfate solutions. p. 4  
 Rak-Ravetskaya, A. A. - Chromatographic method for  
 fine purification of sodium thiosulfate solutions.  
 p. 8  
 Belov, M. P. - Development of the method for fine  
 purification of lead acetate solutions. p. 10  
 Belov, M. P. - Removal of Fe, Cu, Co, and Ni traces  
 from lanthan and cerium nitrate solutions. p. 16  
 Sapozhnikov, I. U. P., Markovskii, L. I. A. - Studying  
 the phase composition and thermal stability of acid  
 zinc selenites. p. 20  
 Markovskii, L. I. A. - Reduction of mercury selenite  
 with hydrogen. p. 30

- Sapozhnikov, I. U. P. - Crystalline hydrates of the  
 middle cadmium selenide and their thermal de-  
 composition. p. 34  
 Pekerman, F. M., and others. - Investigating the  
 stability of electroluminescent phosphors. p. 40  
 Kazankin, O. N., Dikhtor, M. A., Grigor'eva, T. N. -  
 Development of the "non-gas" method for the syn-  
 thesis of electroluminescent phosphors. p. 53  
 Mironov, I. A. - Studying the process of the surface  
 treatment of powder electroluminescent phosphors for the  
 removal of excess copper sulfide. p. 57  
 Petoshina, L. N., Pekerman, F. M. - Investigating the  
 luminescence of electroluminescent condensers  
 p. 66  
 Orshanskaya, N. S., Markovskii, L. I. A. - Nature of  
 the yellow and green luminescence of nonactivated  
 zinc oxide. p. 75  
 Kochugova, E. I., Gurevich, I. M. - Development of  
 borate luminophors with orycthalmin action. p. 83  
 Kolpakova, A. A., Pekerman, F. M. - Luminophors  
 with a silicate base and radiation in the ultra-  
 violet band of the spectrum p. 86  
 Golikova, L. A., Smirnova, R. I. - Luminescent  
 properties of gold activated zinc-sulfide-selenide  
 luminophors. p. 97  
 Kolpakova, A. A., Markovskii, L. I. A. - Luminescent  
 properties of the MgO-SiO<sub>2</sub> system in case of its  
 activation by cerium and manganese. p. 102  
 Dvorzhetskii, L. A., Shvaneva, M. K. - Use of the  
 emission spectral analysis for substances for pure  
 luminophors and luminophors. p. 107  
 Khlebnikova, L. I. A., Dvorzhetskii, L. A. - Spectral  
 analysis of zinc and cadmium sulfides with pre-  
 liminary concentration with microadditives by the  
 method of evaporation in vacuum. p. 111  
 Kalina, L. B. - Chemical and spectral method for  
 determining nickel and cobalt microimpurities in  
 zinc selenide as pure luminophor. p. 117  
 Mironov, I. A. - Determining microamounts of oxygen  
 in zinc selenide. p. 122

ЛЕНИНГРАД, ТЕХНОЛОГИЧЕСКИЙ ИНСТИТУТ ТЕЛ-  
 ЛИУЗНО-БУМАЖНОЙ ПРОМЫШЛЕННОСТИ  
 Труды [TECHNOLOGICAL INSTITUTE FOR THE  
 WOODPULP AND PAPER INDUSTRY, Transactions].  
 Moscow, no. 14, 1964.

## Table of contents translated:

- Kucher, A. M. - Finishing of calendar rolls made  
 from refined cast iron. p. 5  
 Bychkov, P. P., Revis, I. A. - Effect of the degree  
 of the forging reduction on the properties of high-  
 speed steel. p. 15  
 Brodetskii, A. I., Revis, I. A., Gushachenko, M. P. -  
 Studying some problems of the endurance of high-  
 speed cast steel as dependent on the technological  
 factors. p. 22  
 Shavolov, S. E., Samorukova, A. N. - Using the meth-  
 od of focal moments for determining the displace-  
 ment of the cross sections of beams with variable  
 rigidity. p. 32  
 Klichko, A. V. - Deriving the universal formulas of  
 the initial parameters method for determining the  
 displacement of stepped beams by means of the  
 analysis of reduced beams. p. 40  
 Shavolov, S. E. - Coefficients of the mean tangential  
 stress of annular sections and their application in  
 determining the deflection of the shafts of paper-  
 making machines. p. 49  
 Zlatopolskii, M. D., Gleizer, S. I. - Analysis and  
 synthesis of the hypoid engagement. p. 50  
 Gleizer, S. I. - Critical speeds of shafts with fitted  
 elliptical gear wheels. p. 76  
 Aleksandrov, V. F. - Graphical method for studying  
 the stability of the movement in mixed friction  
 taking two or more degrees of freedom into account.  
 p. 79  
 Podbeito, I. S. - Investigating the direct control of an  
 open type filling system without partitions and mass  
 overflow. p. 85  
 Podbeito, I. S. - Using proportional and proportionat-  
 ly-integral pressure and level indicators for study-  
 ing the direct control of a closed type filling sys-  
 tem without partitions and stock overflow. p. 94  
 Podbeito, I. S. - Studying the indirect control of steam  
 pressure and water level in a surface type con-  
 denser with rigid negative feedbacks without con-  
 sideration of the liquid in the steam space. p. 116  
 Novikov, N. E. - Pneumatic conveying in woodpulp  
 and paper industries. p. 124  
 Antuf'ev, V. N., Gusev, E. K. - Effect of the trans-  
 verse flow turbulence on the heat transfer and resis-  
 tance of pipe bundles with longitudinal and spiral  
 ribs. p. 139  
 Antuf'ev, V. N., Gusev, E. K. - Heat transfer and resis-  
 tance of pipe bundles with longitudinal ribs in a  
 transverse flow. p. 134  
 Antuf'ev, V. M., Gusev, E. K. - Selecting the surface  
 type for air-cooled oil coolers. p. 145  
 Iokhvedov, F. M., Kuntish, V. B. - Studying the flow  
 around staggered bundles of pipes with smooth and  
 rough surfaces in a transverse flow. p. 151  
 Barsov, V. V. - New method of technological heat  
 calculations. p. 158

- Bernardelli, A.E., Tumanova, T.A., Flis, I.E. - Automatic adiabatic calorimeter, p. 168.
- Druzhinin, M.I. - Application of the electrohydrodynamic analogy method on electroconductive paper for the study of the underground profile of hydraulic structures on two-layered grounds, p. 171.
- Druzhinin, N.I. - Application of the electrohydrodynamic analogy method in the study of seepage areas on a distorted scale model, p. 191.
- Druzhinin, N.I. - Design of the underground profile of hydraulic structures, p. 203.
- Morozov, N.P. - Study of an equation of mathematical physics, p. 222.
- Kadashevich, I.U.I. - Behavior of metals during reflow and subsequent loading, p. 224.
- Kadashevich, I.U.I. - Plasticity theory taking into account the Bauschinger effect with the initial flow surface in the Tresca form, p. 227.
- Markevich, A.A. - Plotting of force plans conjugated by weight forces, p. 229.
- MASLOZHIROVAYA PROMYSHLENNOST' [OILS AND FATS INDUSTRY].** Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry], Moscow, vol. 31, no. 2, Feb. 1965.
- Table of contents translated:
- Avakov, S.A. - New developments in the oils and fats industry, p. 1.
- Fedorova, L.V. - Effect of fertilizers on the crop characteristics of sunflowers and the oil forming process, p. 5.
- Kasparov, G.N., Orlova, Z.A., Beloborodov, V.V. - Relationship between the dimensions of high oil content sunflower seed and weedy impurities, p. 7.
- Markman, A.L., Makhamadinov, M.D. - Simplified aniline method for determining gossypol content, p. 11.
- Savenko, L.A. - Resistance of oil-seed flax to fusarium wilt, p. 12.
- Krai-Oskina, G.A., Bushueva, E.I. - Determining the content of sodium tripolyphosphate proper in technical sodium tripolyphosphate products, p. 14.
- Besplatov, M.P., Volkova, O.B., Kallalchenko, V.I. - Effect of electrolytes on the detergency of alkyl sulfonates, p. 16.
- Lidova, E.V., Musserskaya, A.N. - Some problems of hygiene in the production of synthetic fatty acids, p. 19.
- Zhadanov, N.M. - Potentials for the increase of mint crops, p. 22.
- Cherkasskaya, V.S. - Effect of the substrate on the quality of "oak lichen" resins, p. 24.
- Kashelina, I.A. - Determining the worker number needed for the raw materials section of oil factories, p. 25.
- Chubladre, B.N., and others. - Successive feed of hydrogen in hydrogenation processes, p. 28.
- Obmenin, V.O., Nestorov, A.D. - Automatic densitometer for micelles, p. 31.
- Fedorov, I.U.A., Blank, L.A., Kogan, G.M. - Hygienic evaluation of the basic types of Soviet toothpastes, p. 34.
- Kudrashov, A.I., Getmanskiy, L.K. - Method for the transformation to sodium alkyl sulfates of alcohols obtained by the direct oxidation of liquid paraffins, p. 37.
- Sidorenko, I.K. - Settler with continuous action, p. 38.
- Bukharin, V.V. - Pay more attention to industrial safety and factory sanitation, p. 39.
- Vol. 31, no. 3, Mar. 1965.
- Table of contents translated:
- Gil'dstein, N.N. - Sunflower production in 1964 and prospects of its expansion, p. 1.
- Kopelkovskiy, V.M., and others. - Moisture distribution in the seed mass of the castor bean during in-bulk drying with heated air, p. 5.
- Klezhin, V.P. - Oilseed cleaning is an important technological operation in the processing of oil raw materials, p. 8.
- Alekseev, V.I., Beloborodov, V.V., Kasparov, G.N. - Effect of the shape and aperture dimensions of a flat sieve on the efficiency of sunflower seed cleaning, p. 9.
- Baglin, G.I. - Using two solvents for determining oil content by the refractometric method, p. 12.
- Kozin, N.I., and others. - X-ray diffraction examination of oils and oil bases of margarine, p. 16.
- Samsonova, N.I., Vili'shau, K.V. - Phase equilibrium of some binary systems containing fatty series compounds, p. 21.
- Parimskiy, A.I., Shelomov, I.K. - Application of the gas-liquid chromatography method for the direct determining of the fractional composition of low-molecular synthetic fatty acids, p. 25.
- Svitkin, V.V., Igonin, P.G., Shkharuk, E.A. - Utilization of the sodium sulfate solution obtained in the production of synthetic fatty acids, p. 28.
- Sobkevitich, O.M. - From planned unprofitable work to profitability, p. 30.
- Kashelina, I.A. - Observations concerning the wage system for maintenance and repair workers, p. 32.
- Klepikov, V.G., Makhmudov, A.U., Ismailov, I.M. - Dewatering of fatty acids prior to soap boiling, p. 33.
- Volkova, O.B., and others. - Experience in the industrial utilization of alkyl sulfonates in the manufacture of synthetic detergents, p. 34.
- Prinin, O.I.A., Mikhel'son, L.K. - Basic principles of the design and modernization of automatic machines for soap marking and cutting, p. 38.
- Sukhoterlin, I.S., Agranovich, I.G. - Combined process of alcohol sulfation and dodecyl benzene sulfonation, p. 39.
- Dolzhenko, I.U.A. - Automatic oil sampler, p. 40.
- Gorshkov, I.M. - Cleaning of skinless seeds, p. 41.
- Tsetlin, I.M. - New method of thymol separation from alkanol oil, p. 42.
- Bogdanovskaya, N.G., Smirnova, A.A. - Interferometric method for determining odorous substances content of perfume liquids, p. 43.
- Zakharovskiy, A.A. - System for automatic bottling of liquids, p. 43.
- Bobrenko, O.A. - Modified design of the guide funnel in the Zhukov system automatic machine, p. 45.
- Subbotin, M.P. - From the work practices of the Prokh-ladnyy Oil Factory, p. 46.
- Vol. 31, no. 4, Apr. 1965.
- Table of contents translated:
- Technical standards and development prospects of the perfume and cosmetics industry, p. 1.
- Kopelkovskiy, V.M., Riazantseva, M.I. - Changes in the quality of sunflower seeds with high oil content during self-heating, p. 6.
- Kasparov, G.N., Beloborodov, V.V. - Effect of the operative capacity, initial impurity and angle of incline of the filter screens on the efficiency of sunflower seed cleaning, p. 9.
- Matsuk, I.U.P., and others. - Work of the oilseed hulling and blowing shops, p. 13.
- Besplatov, M.P., Gladkiy, F.F. - Relation between the molecular balance, surface activity and critical concentration of micelle formation in soap solutions, p. 17.
- Druzhinin, A.V., Gubenko, I.B., Ladyzhnikova, N.I. - Separation of fatty acids from the vat residue of synthetic fatty acids, p. 21.
- Moskvina, G.I., Drozdov, A.S., Deinskaya, N.I. - Composition and amount of unsaponifiables-II obtained in the process of paraffin oxidation under industrial conditions, p. 24.
- Pedalas, V.M., Krivchevskaya, I.I. - Simplified method for the control of continuous distillation of high-molecular alcohols, p. 26.
- Minkevich, F.N., Shmidt, E.A., Shkharuk, K.I. - Results of the operations of the oils and fats industry of the R.S.F.S.R. during 1964, p. 27.
- Gerasimov, P.K., D'akonova, M.V. - Economic efficiency of the introduction of automatic production lines of margarine, p. 32.
- Stratova, V.P., Volkovskaya, M.G. - Widen the roads for the introduction of the system of defectless production, p. 34.
- Kiporenko, S.F., and others. - Using the method of direct sulfonation in the production of detergents based on the alcohols of unsaponifiables-II, p. 35.
- Nechaeva, A.V., Matyi, G.D. - Studying the performance of the VS-5 five-roller mill, p. 38.
- Iakobashvili, N.Z. - Efficient method of processing peach-hull distillate, p. 40.
- Levit, M.S., and others. - Shampoo, p. 41.
- Bukharin, V.V. - Vacuum dryer unit for the continuous production of cake household soap, p. 43.
- Bobrenko, O.A. - Use of glass-fiber fabrics for the manufacture of the filter hose of oil cake catchers, p. 45.
- Golubok, N.F. - Successful completion of the sixth year of the seven-year plan, p. 45.
- Ivan Petrovich Zheltov; obituary, p. 48.
- MEKHANIKA POLIMEROV [MECHANICS OF POLYMERS].** Issued by Akademiya nauk Latviskoi SSR [Academy of Sciences of the Latvian S.S.R.], Riga, no. 1, 1965.
- MOSCOW, INSTITUT KHIMICHESKOGO MASHINOSTROENIYA, Trudy [INSTITUTE OF CHEMICAL MACHINERY MANUFACTURE, Transactions],** Vol. 20, 1964. Processes, apparatus and machinery of chemical industries.
- Table of contents translated:
- Akopian, L.A., and others. - Theory and practice of heterogeneous processes in a fluidized bed, p. 3.
- Martushin, I.G., Golovin, V.N. - Study of apparatus with a fluidized bed and sectional downcomerless plates, p. 23.
- Varygin, N.N. - Heat transfer from thin wires to the fluidized bed, p. 33.
- Shakhova, N.A. - Drying in a fluidized bed, p. 39.
- Zykov, D.D. - Distribution of the components of a composite mixture under the work conditions of rectification, p. 50.
- Semenov, P.A., Solov'ev, A.V. - Regular wave conditions of the flow in film absorbers under conditions of an ascending direct flow, p. 60.
- Golovachevskiy, I.U.A. - Use of the distilling layer of disordered rings in columns with regular packing, p. 65.
- Voronin, V.V. - Investigating the absorption process of the microconcentrations of carbon dioxide by caustic soda solutions in a packed tower at increased pressures, p. 74.
- Lastovtsev, A.M. - Statistical dispersion characteristics of the spray produced by a rotating atomizer, p. 78.
- Lastovtsev, A.M., Moiseenko, I.M. - Determining the operative capacity of the sprinkling disks of mechanical horizontal absorbers, p. 100.
- Lastovtsev, A.M., Deriabin, N.I. - Experimental determining of the dimensions of the loches of rotating atomizers in quiescent and moving gases, p. 113.
- Klicharev, A.E., and others. - Preparation of aqueous solutions of allyl chloride in a hydroacoustic field, p. 131.
- Ryehov, A.I. - Simplified calculation formulas for determining the coefficients of heat transfer in the film condensation of pure slowly moving vapors, p. 137.
- Sokolinskiy, I.U.A. - Design of catalytic reactors with internal heat transfer, p. 161.
- Sidenko, P.M. - Internal conditions of the work of drum mills, p. 174.
- Sidenko, P.M. - Dimension of the grinding elements of drum mills, p. 184.
- Lomakin, B.M., Lastovtsev, A.M. - Studying the gravity mixer for free-flowing materials, p. 192.
- NEFTEKHIMIYA [PETROCHEMISTRY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 6, no. 1, Jan.-Feb. 1965.
- Table of contents translated:
- Liberman, A.L., Leiman, B.M., Preobrazhenskii, A.V. - Use of thiolene adducts to separate certain dialkylcyclohexanes into geometric isomers, p. 1.
- Sterligov, O.D., Eliseev, N.A. - Dehydrogenation of isopentane on aluminum-chrome-potassium catalysts, effect of the chromic oxide content in the catalyst, p. 10.
- Rozengart, M.I., Kuznetsova, Z.F., Gills, K.M. - Role of an alkali promoter in the development of an aluminum-chrome catalyst for the dehydrocyclization of paraffin hydrocarbons, p. 17.
- Kalik, M.A., and others. - Obtaining higher  $\alpha$ -olefins of normal structure by the catalytic conversion of paraffins, p. 24.
- Ivanova, R.V., Protasova, I.U.S., Stepanovich, A.D. - Effect of the heterogeneous  $\alpha/\gamma$  factor on the kinetics and mechanism of the cracking of butane, p. 33.
- Krylov, O.V., Livshits, V.S. - Heterogeneous catalysts for the polymerization of propylene oxide, p. 40.
- Mamedaliev, I.U.G., and others. - Quantitative composition of the tar from the pyrolysis of kerosene and the polymerization of its styrene fraction, p. 44.
- Khoplankina, M.S., and others. - Mechanism of the inhibition effects of phosphite esters, p. 49.
- Zakov, G.E., Blumberg, E.A., Emanuel, N.M. - Inhibiting effect of resin products in the liquid-phase oxidation of n-butane, p. 53.
- Ganin, V.I., Rozovskiy, A.I., Rudkovskiy, D.M. - Formation of a hydroformylation catalyst from cobalt salts, p. 58.
- Krakov, I.U.B., and others. - Studying the synthesis of organic compounds from CO and H<sub>2</sub> using tagged ethyl alcohol, p. 62.
- Eldas, I.A.T., and others. - Catalytic synthesis of high-molecular hydrocarbons from carbon monoxide and hydrogen in the presence of CoMgO-Kieselgur catalysts promoted by zirconium dioxide or titanium, p. 68.
- Novak, F.I., Bashkurov, A.N. - Synthesis of hydrocarbons from carbon monoxide and hydrogen on iron catalysts with a low iron content, p. 76.
- Kagan, I.U.B., and others. - Kinetics of the synthesis of higher alcohols from CO and H<sub>2</sub> on a fused iron catalyst, p. 82.
- Khutava, G.V., and others. - Polymerization of acetylene-carboxylic (propionic) acid in liquid and solid phases, p. 80.
- Obukhova, L.K. - Reactivity of aliphatic ketones, p. 97.
- Tsykovevskiy, V.K., Bocharov, A.A., Baeva, T.E. - Obtaining hydroxy acids from liquid paraffins, p. 100.
- Moldavskiy, D.L., Blinov, M.V. - Thermal conversion of succinic acid into  $\gamma$ -ketopimelic acid, p. 108.

- Kolchin, I. K., and others. - Catalytic oxidation and oxidative ammonolysis of propylene on bismuth tungstate. p. 111.
- Gel'fstein, A. I., and others. - Mechanism of the catalytic reactions in the partial oxidation and oxidative ammonolysis of propylene in the presence of  $\text{MoO}_3 \cdot \text{Bi}_2\text{O}_3$ . p. 118.
- Andreevskii, D. N. - Regularities in the values of certain thermodynamic functions of alkyl halides. p. 126.
- Kabo, G. I. A., Andreevskii, D. N. - Thermodynamics of the isomerization of monochloropropanes. p. 132.
- Kiselev, A. V., El'tekov, I. U. A., Novikova, V. N. - Adsorption of thiophene from solutions by type- $\alpha$  molecular sieves. p. 136.
- Kiselev, A. V., Chernenkova, I. U. L., Iashin, I. A. I. - Using granulated zeolites (molecular sieves) in the gas-chromatographic separation of gases and hydrocarbons. p. 141.
- Popova, T. I., Poliakova, A. A., Khotinskaya, M. I. - Mass-spectrometric analysis of heptanols. p. 149.
- Poliakova, A. A., Khmel'nitskii, R. A., Medvedev, F. A. - Mass-spectrometric method for analyzing petroleum paraffins using unitized characteristics. p. 153.
- Vigdergauz, M. S., Chabrova, O. G. - Chromatographic determination of the aromatic isomers in the production products of p-xylene. p. 160.
- Lazaris, A. I. A. - Identification of impurities in vinyl chloride. p. 166.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Food Technology]. Moscow, no. 1(44), 1965.**
- Table of contents translated:
- Professor Nikolai Vasil'evich Romenskii. p. 7.
- Rybachuk, V. N. - Determining the economic efficiency of a complex utilization of raw materials. p. 8.
- Gorbatov, A. V., Danchenko, M. B. - Determining the optimum diameter of stuffing conveying pipes. p. 12.
- Goldovskii, A. M. - Theory of the state of organisms and problems of the storage of vegetable raw materials. p. 16.
- Kopelkovskii, V. M., Riazantseva, M. I., Kokorina, L. M. - Microflora of the seeds of high oil-content sunflowers and its changes during storage. p. 23.
- Tiutunnikov, B. N., Nikishina, Z. M., Porchenko, A. A. - Oxidation of paraffin in the presence of complex accelerators for the production of fatty acids. Report No. 1 and No. 2. p. 28.
- Poliakov, A. F., Turyshova, N. A. - Extraction of whole flowers, petals and calyces of the red Crimea rose. p. 34.
- Tverdokhle, G. V., and others. - X-ray diffraction analysis of butterfat, its low-melting fractions and butter. p. 39.
- Sokolov, A. A., Sabirov, A. B. - Effect of the composition of the stuffing on its structural and mechanical properties. p. 45.
- Pavlovskii, P. E. - Accumulation of free amino acids in the autolyzing muscle tissue during the refrigerating treatment of beef. p. 47.
- Ol'shanova, K. M., and others. - Changes in the composition of protein hydrolyzates during neutralization with the EDE-10 anionite. p. 51.
- Baranov, V. S., Lobanov, D. I. - Mechanical properties of edible food jelly made with gelatin and agaroid. p. 54.
- Loza, V. M., Iatsyna, A. N. - Physicochemical study of the process of wine clarification with bentonites. p. 57.
- Stoliar, M. G. - Investigating the precooking methods of potato starch. p. 61.
- Kirova, K. A. - Selecting pure yeast cultures for alcohol distillation with their utilization for bread making. p. 68.
- Lavrisheva, T. N., Mal'tsev, P. M. - Changes in corn sugar during mulling and mashing. p. 71.
- Putilova, I. N., Chernenko, L. E., Glin'skaya, E. P. - Corrosion in structuralized media. Report No. 1: Characteristics of iron and lead corrosion in distilled water in the presence of agar. p. 75.
- Zolotova, A. I. - Effect of ultrasonic vibrations on fruit and vegetable juices. p. 80.
- Fan-Yung, (Fan-Yung), A. F., Zykina, T. F. - Sign of the charge of fruit juice residues. p. 83.
- Pavlov, G. M., and others. - Hydrogenation of sunflower seed oil in the foam state. p. 88.
- Kozin, N. I., Kastornyykh, M. S., Peshkova, L. F. - Separation of sterols from the wastes of fat deodorization. p. 89.
- Mgebrishvili, T. M., Maslikov, V. A. - Determining the dielectric constant of the components of sunflower seed grits. p. 92.
- Nishman, T. S. - Use of the KU-2 cationite for the production of lentic milk. p. 95.
- Vishniarskii, F. A. - Structure of creamery butter made by various methods. p. 98.
- Iskandarian, A. K. - Porphyrin ring of the green pigmentation of meat during salting. p. 104.
- Kagal'tsev, I. I., Avagimov, V. B., Mamaeva, S. A. - Effect of blood addition in bacon pork curing on the coloring of ham. p. 108.
- Vurgaf, A. V., Bal', V. V., Mironova, O. V. - Air freezing of beluga fillets in the preparation of cured beluga products. p. 110.
- Khozin, T. A. - Effect of isomerization and polymerization of fatty acids in whale oil on fishy odor reversion. p. 114.
- Aleksandrovskii, V. P., Baranov, V. V., Rodin, E. M. - Small electric smoking plant. p. 118.
- Bocharov, A. T. - Equipment, technology and calculations for the intensive smoking of food. p. 121.
- Akimova, V. E. - Effect of heat treatment on oil and moisture absorption by fish products. p. 127.
- Shvets, V. N., Mal'tsev, P. M., Velikina, E. I. - Effect of moisture content and saccharification of light malt on the accumulation of coloring and aromatic substances during its heating. p. 130.
- Perel'man, N. M., Formazluk, G. G., D'achkin, I. I. - Comparative evaluation of the quality of makhorka fermented by the post-harvesting and factory method. p. 134.
- Dikis, M. I. A., Morozov, N. V., Gladushniak, A. K. - Diameter of the headpieces and the liquid pressure in washing machines. p. 136.
- Valuiskii, V. I. A. - Movement of free flowing products through an inclined drum. p. 139.
- Anoshin, I. M., Pol'skii, G. V. - Studying the hydrodynamics and mass transfer in rotary apparatus. p. 144.
- Chernigov, A. N. - Investigating a jet heat exchanger. p. 151.
- Kils, A. A. - Effect of the vibration of a tin can on the heat exchange during canned food sterilization. p. 155.
- Tarasov, S. G. - Contact drying of sunflower seed meat. p. 158.
- Ivanenko, A. V. - Studying the process of the forming of pressure in a screw press. p. 161.
- Stepanenko, A. M. - Dust removal from ground rock salt in a fluidized bed. p. 166.
- Potapov, M. P. - Determining the micro-impurities of heavy metals in canned food. p. 170.
- Rizaev, N. U., and others. - Application of cationizing in the recovery of citric acid from cotton waste. p. 174.
- No 2(45), 1965**
- Table of contents translated:
- Professor Vsevolod Nikolaevich Stabnikov. p. 7.
- Krasnov, S. E., Khmel'nitskii, E. G. - Utilization of capital assets in the meat industry. p. 9.
- Torzhinskaya, L. R., and others. - Relation between the physical and biochemical characteristics of the wheat grain. p. 12.
- Demidov, P. G., Tsygar', N. V. - Effect of the anatomical and morphological characteristics of the grain on the milling properties of wheat. p. 17.
- Guseinov, A. G., Demidov, P. G. - Milling properties of Azerbaijani wheat varieties. p. 21.
- Atanas, L. G., Mitovskaya, V. F. - Microflora and biological activity of grains affected by the shield bug Eurygaster integriceps. p. 25.
- Shecherbakov, V. G., Sirko, V. N. - Effect of heat treatment on the hygroscopicity of sunflower seeds. p. 27.
- Turyshova, N. A., Poliakov, A. F. - Storage of roses and their preparation for essential oil extraction. p. 29.
- Eller, Kh. A. - Seasonal changes in the glyceride composition of butterfat. p. 34.
- Nikolaeva, N. E. - Amino acid composition of the proteins of Black Sea mussels and oysters. p. 38.
- D'achkin, I. I. - Elements of the formation of the quality of makhorka during after-harvest processing. p. 42.
- Veher, A. S., and others. - Accumulation of carotenoids by Rhodotorula yeast in some culture media. p. 45.
- Goncharova, L. A., Bocharova, N. N. - Bacterial microflora in the production of bakers' yeast. p. 50.
- Palash, V. P., Ivanov, G. Z. - Effect of inverted sugar on the viscosity of the system saccharose-inverted sugar-water. p. 54.
- Arislova, V. P., and others. - Aromatic substances in butter made on a continuous production line. p. 57.
- Pavlovskii, P. E., Grigor'eva, M. P. - Studying the autolytic and denaturizing transformations in the muscles during the storage of poultry meat. p. 61.
- Besplatov, M. P., Gladkii, F. F. - Effect of electrolytes on the properties of soap water solutions. p. 65.
- Kharin, S. E., Takking, L. R., Chaikovskaya, I. V. - Some regularities in emulsions with a colloidal degree of dispersion. p. 70.
- Kharin, S. E., Kotcheva, R. A. - Spectrophotometric analysis of the products of the melanoidins reaction. p. 74.
- Emel'ianova, N. A., Velikina, E. I., Mal'tsev, P. M. - Studying the ripening of freshly dried barley malt. p. 77.
- Avakians, S. P. - Changes in the stability of the dispersion system  $\text{CO}_2$ -water in bottle champagneization. p. 81.
- Valukko, G. G. - Effect of some antioxidants on the stability of anthocyanins in wine storage. p. 83.
- Khristerzen, G. S. - Antioxidation properties of propyl gallate and butyl hydroxy toluol. p. 86.
- Rodin, E. M. - Storage of ready-to-eat fish products in high-polymer film packaging. p. 89.
- Mel'teva, N. N., and others. - Protein substances of potato. p. 92.
- Tabachnikov, V. P. - Effect of the pouring method of molding and vacuumization of the cheese mass on its temperature. p. 95.
- Bocharova, N. N. - Use of colimycin in the control of bacterial infection. Reports No. 1 and No. 2. p. 100.
- Nadirov, N. K., Komarov, V. I. - Hydrogenation of soy-bean oil on a nickel-formate catalyst. p. 107.
- Sukhodol, V. F., Mal'tsev, P. M. - Determining the limits of the water extraction of fuel oil from alcohol-fuel oil-water solutions. p. 111.
- Periman, G. I., Isakova, E. A. - Studying the barley malt shoots, their water extraction and extracts. p. 117.
- Lobusov, V. M. - Investigating the link-gear mechanism with stop and reverse running in an automatic production line for the manufacture of refined sugar. p. 121.
- Valuiskii, V. I. A. - Nonuniformity of the movement of the particles of free flowing products through an inclined rotating drum. p. 127.
- Nepomniashchii, E. A. - Settling of heavy particles under the conditions of vibratory separation of grain mixtures. p. 132.
- Sankian, M. B., Il'vitskii, N. A., Kostenko, V. K. - Kinetics of the drying of corn kernels. p. 136.
- Pretechenakii, V. K. - Heat transfer and hygroscopicity of sunflower seed husk and kernel. p. 142.
- Tarasov, S. G., Maslikov, V. A. - Kinetics of the roasting of sunflower seed meats. p. 147.
- Maslikov, V. A., Skakovskii, R. F. - Thermophysical characteristics of crushed sunflower seeds. p. 151.
- Shestov, R. N. - Air column in hydrocyclones. p. 156.
- Danilevich, A. F. - Fluidization of granular materials in confectionery production. p. 160.
- Loboda, P. P., Stabnikov, V. N. - Effect of low-frequency mechanical vibrations on the rate of dissolving. p. 165.
- Fedotkin, I. M. - Effect of the relative vapor speed on pressure head losses in the boiling pipes. p. 171.
- Ivanov, V. V., Bolkov, G. P., Serykh, G. M. - Evaluating the thermal work of ribbed heat exchangers. p. 177.
- Popov, E. P. - Determining the coloring substances in millet. p. 180.
- Rybakova, I. U. S. - Determining the dispersion properties of pulverized cocon. p. 183.
- Vechevskii, P. A. - Film (flake) method for measuring the surface of particles with a complex shape. p. 186.
- Chernoguz, A. K. - All-Union conference of the representatives of the scientific and technological information services of the food industry. p. 190.
- Sokolova, Z. S. - All-Union seminar on the production of rindless cheese ripen in film packing. p. 191.
- SAXHARNIA PROMYSHLENNOST' [SUGAR INDUSTRY].** Organ of Gosudarstvennyi komitet po pishchevym promyshlennosti pri Gosplane SSSR and Tsentrall'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevym promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 39, no. 3, Mar. 1965.
- Table of contents translated:
- Provide for high-quality preparation of sugar factories for the processing of sugar beets from 1965 crops. p. 1.
- Popov, N. G. - Socialist competition in the sugar factories of the R.S.F.S.R. p. 6.
- Kats, V. M., Nakhodkina, V. Z., Korobelnikova, L. A. - Thermophilic micro-organisms in refined granulated sugar and refinery products. p. 8.
- Dobronravov, F. N. - Changes in the amount and concentration of coloring substances during the manufacturing process. p. 13.
- Cherniavskii, A. I., Karmanin, V. D. - Kinetics of the drying of granulated sugar in a continuous dryer with fluidized bed. p. 16.
- Sologub, N. A. - Effect of saccharose on the wear of metals. p. 20.
- Nikolaev, P. V. - "Wet" method for sugar separation from molasses. p. 23.
- Kuz'menkov, L. N. - Instrument for the automatic regulation of sugar syrup density by means of a type RRP-605 radiolotope density relay. p. 25.
- Vaisman, M. L., Kniazev, A. A. - Calculation norms for the heating equipment of beet-sugar factories. p. 28.
- Silin, P. M. - More about the new concept of natural alkalinity. p. 35.

- Arkhipovich, N.A., Zelenina, L.M., Kvita, S.N. - Chromatographic analysis of the mixture of sugars in the products of sugar manufacture. p.37.
- Khelze, N.V. - Pilot sugar factory of the All-Union Scientific and Research Institute of the Sugar Industry. p.43.
- Ostapenko, A.N., Shakhnovich, B.M. - Catcher for sugar beet tail and trash removal from flume waters. p.49.
- Kachalo, I.V. - From the experience in the operation of the Pavluk-Sokolov system stone catcher. p.50.
- Abidin, N.L. - Repair of the cracked body of the TG-80-1, 8 turbine gas blower. p.51.
- Veksel, B.A., and others. - Complete utilization of the dry substances of corn kernels in the enterprises of the starch and molasses industry. p.52.
- Kalmina, L.P., Shipunova, N.S. - Separation of the potato starch suspension on multihydrocyclones with elements of an efficient design. p.58.
- Bychkov, B.K. - Pay more attention to the work of the evaporation stations in molasses factories. p.64.
- Need for independent preliminary trash removal from sugar beets. p.71.
- Utilization of filter press mud in puttying. p.72.
- Consultation p.73.
- \* STEKLO I KERAMIKA [GLASS AND CERAMICS].**  
Issued by Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroie SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol.22, no.4, Apr. 1965.
- Table of contents translated:  
Centralized supplying of enterprises in mineral raw materials is an important condition for improving the quality of their production. p.1.
- Kitaigorodskii, I.I., Petrov, S.V. - Container glass on a blast furnace slag basis. p.3.
- Arutunov, V.G. - Armenian perlites are a new efficient raw material for the glass industry. p.5.
- Rusupov, S.IU., Dzeboev, A.I. - Dressing of leucocratic granites. p.8.
- Pekki, A.S., Sviridenko, L.P. - New source of quartz-feldspar raw materials in Karelia. p.10.
- Kozyrev, V.V. - High-grade, ground feldspar raw material for the industry of the eastern parts of the country. p.12.
- Tataeva, T.I., Nikulina, L.N. - Using the "Gusevka alone" in ceramic bodies. p.14.
- Kyvatkovskaya, K.K. - Local raw materials for proposed ceramic combines. p.17.
- Livson, Z.A., Ryschenko, M.I. - Quartz pelite as raw material for the manufacture of faience products. p.20.
- Kabanov, N.P. - Shaped glass is a new efficient building material. p.23.
- Tsaritsyn, M.A., Zakharenko, N.I. - Electromelting of selenium ruby. p.25.
- Gorodinski, G.M., Rudin, V.L. - Laboratory control method of the roughness of ground glass surfaces. p.28.
- Poluboiarinov, D.N., Lebedev, B.V., Zaitons, R.M. - Ways of eliminating the water permeability of clay sewer pipes. p.29.
- Khizantshvili, I.G., Mamaladze, R.A. - Glaze for sanitary engineering semiporcelain products of low-temperature firing. p.33.
- Bellaev, G.I., Belyi, I.A. - Effect of fluorine on the properties of low-melting enamels. p.34.
- Rassolov, A.I., Lukashovich, A.S. - Practice of repairing hot glass furnaces. p.37.
- Smirnov, V.P. - Manufacture and preparation of glass molds. p.38.
- Reznikov, L.G. - New assembly line for the manufacture of porcelain cups. p.40.
- Zhuk, A.V. - Greater application of the experience acquired by the Dyat'kovo Crystal Glass plant. p.42.
- Sobolev, G.P., Skomorokhov, A.A. - Device for the manufacture of feeder mechanisms. p.43.
- Barulin, I.U. - Effect of some parameters of electrophotographic layers on the formation of the latent image. p.107.
- Kopylov, V.M. - Characteristics of light scattering in photographic systems. p.113.
- Grechko, M.K. - Causes of the specific characteristics of the J-state formation in dyes on the microcrystals of various emulsions. p.116.
- Pospelov, V.V., Fridkin, V.M. - Mechanism of the formation of the photoelectret state in single crystals of some silver halides and alkaline metals. p.118.
- Garnov, V.V., Fedin, E.D. - High speed stereoradiography. p.124.
- Alingorn, M.A. - Possibility to improve the signal to noise ratio on photographic images. p.131.
- Khelman, A.S., Donatova, V.P. - Mechanism of the hypersensitization of photographic layers. p.144.
- Ruf, E.F., Khaikin, M.S., Derstuganov, G.V. - Developing properties of some diphethin derivatives and tanning action of the products of their oxidation. p.146.
- Kirillov, E.A., and others - Nature of the centers of thin structures. p.148.
- Latysh, A.N. - Methodology for measuring the absorption spectra of the thin structure of some objects and the mechanism of thin structure formation. p.149.
- Shul'man, M.I.A. - Basic trends in the improvement of present-day cameras. p.152.
- Professor E.A. Kirillov. p.159.
- d. CIVIL & CONSTRUCTION ENGINEERING**
- AKADEMIA KOMMUNAL'NOGO KHOZIAISTVA. Nauchnye trudy [ACADEMY OF COMMUNAL ECONOMY. Studies]. Moscow, no.22, 1963. Vodostabzhenie [Water Supply], no.3.
- Table of contents translated:  
Perlina, A.M., Balashova, G.V., Goriainova, G.S. - Removing iron from ground water by means of filters. p.3.
- Veltser, I.U.I., Kolobova, Z.A., Sterina, R.M. - Mechanism of the flocculating action of industrial polyacrylamide. p.19.
- Paskulekaja, L.N. - Study of the effect of polyacrylamide on the process of filtration. p.37.
- Lubochnikov, N.T. - Use of polyacrylamide in the processing of industrial wastes by contact clarifiers. p.49.
- Rakhmanina, N.A. - Toxicological characteristics of industrial polyacrylamide. p.56.
- Sokolov, V.F., Khazin, M.I.A. - New devices for the disinfection of water by bactericidal rays. p.60.
- Krotkova, B.I. - Effect of amidosulfonic acid on the bactericidal action of chlorine. p.71.
- Kunina, L.A. - Disinfection of drinking water by electrolysis. p.81.
- Barskii, V.G. - Method of determining the doses of lime in the stabilized processing of water. p.86.
- Bonov, D. - Selecting the method of purifying water for the water purification station for the water supply lines of Sofia. p.91.
- Babaev, I.S. - Distributing systems without supporting layers for contact clarifiers and two-line filters. p.103.
- Bykadorov, L.F., Kulzhinskii, V.I., Mikhailov, V.A. - Study of the operation of the porous drains of filters designed by the Academy of Municipal Services. p.120.
- Blikonin, I.Kh. - Methods of measuring a concentration of ozone. p.132.
- Kagan-Barskii, L.Sh. - Principles of the automatic optimization of the regime of dosing of a coagulant for contact clarifiers. p.148.
- Merzlenko, V.I.A. - New designs of slide-valves for water supply mains. p.164.
- Fal'kovskaja, L.N. - Water supply in the U.S.A. p.168.
- No 27, 1964. Conservation and the use of underground waters, works.
- Table of contents translated:  
Kulzhnikov, V.A. - Evaluation of the quality of drinking water in the light of present day hygienic concepts. p.3.
- Gulnava, N.F. - Practice in using underground waters in Moscow Province. p.13.
- Belitskii, A.S. - Hydrogeological and sanitary conditions governing the use of underground waters in Moscow Province. p.40.
- Belitskii, A.S. - Formation of the water of Carboniferous sediments in the central part of the Moscow artesian basin. p.53.
- Gavrilukhina, A.A. - Underground waters of the Carboniferous sediments of Moscow and the variation of their conditions under the effect of their utilization over a period of many years. p.71.
- Vladimirovskii, V.I., Minkin, E.L. - Problems of the control of the depletion and pollution of underground waters. p.86.
- Koroleva, O.N., Serobabova, E.A. - Sanitary conservation and the quality of underground waters in some regions of the southeast of the R.S.F.S.R. p.98.
- Shrelber, M.I. - Sanitary control of the use of underground waters in Orekhovo-Zuyevo. p.106.
- Gilshenkova, L.N., Gullaev, N.F. - Use of the underground waters of ferruginized horizons in Moscow Province. p.114.
- Kipichnikov, A.A. - Distribution of the pollution of ground waters in fine-porous rocks. p.124.
- Dubrovskii, V.V. - Methods for drilling exploratory-producing wells for water. p.136.
- Suifan'ts, S.I.A. - Distortion of the activity of water wells and methods for their restoration. p.142.
- AKADEMIA KOMMUNAL'NOGO KHOZIAISTVA. Shornik nauchnykh rabot [ACADEMY OF COMMUNAL ECONOMY. Papers]. Moscow, no.7, 1961. Steam bath-houses and laundry equipment.
- Table of contents translated  
Lev, A.P. - Studying the circulation systems for laundering. p.3.
- Greshnev, A.I. - Studying the application of elastic vibrations in laundering. p.15.
- Kornopelev, A.S. - Determining the basic parameters of laundry centrifuges. p.35.
- Kornopelev, A.S. - Mechanization of the loading and unloading of centrifuges. p.44.
- Trabskaia, E.E., Minaev-Tsikanovskii, V.A. - Dynamics of the acceleration of the inner cylinder of a combined washing machine. p.50.
- Minaev-Tsikanovskii, V.A. - Self-balancing of the inner cylinders of combined washing machines. p.65.
- Popov, I.P., Sukhova, G.V., Afanas'eva, V.L. - Technology of the laundering of work clothes. p.92.
- Chernikov, I.A. - Establishing standards for the design and planning of steam bath-houses. p.98.
- Kozlov, I.A. - Technological flow sheet for the dry cleaning of work clothes. p.117.
- [MICROFILM]
- AKADEMIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut seismosloikogo stroitel'stva i seismologii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Institute of Earthquakeproof Construction and Seismology. Transactions]. Dushanbe, vol.12, 1964. Collection of articles on seismology.
- Table of contents translated  
Barinova, T.A. - Lamb's problem for half space with relaxation of stresses. p.3.
- Kozlov, A.V., Aminova, V.M. - Some results of the comparison of the theoretical and experimental characteristics of seismic waves. p.31.
- Katok, A.P., Mitzoev, K.M. - Attenuation of the transverse waves of the deep Pamir-Hindu Kush earthquakes. p.43.
- Kulagin, V.K., Pachadzhanova, G.N., Epaneshnikova, N.A. - Study of the crustal structure of the Tajik Depression based on exchanged seismic waves. p.54.
- Kulagin, V.K., Epaneshnikova, N.A. - Structure of the upper layer of the earth's crust in the Dushanbe-Vakhsh region. p.67.
- Kukhtikova, T.I., Frantsuzova, V.I. - Conformity between predominant periods and the spectra of surface waves. p.84.
- Kogan, L.A. - Relation between maximum acceleration amplitudes of earth tremors and the energy released in the focus of earthquakes. p.97.
- Gaiskii, V.N. - Use of the theory of extreme values in studies of the seismic regionalization of Tajikistan. p.101.
- Kinapina, T.A. - Earthquake on November 14, 1937. p.111.
- Nikonov, S.V., Borukhov, B.G. - Integral sensitivity of silver sulfide photocells. p.121.
- Nikonov, S.V., Zainashev, R.Z., Borukhov, B.G. - Inertia of photoconductive cells under low lighting. p.127.
- Kukhtikova, T.I., and others. - Characteristics of the operation of seismographs in some stations of Central Asia. p.133.
- AVTOMOBIL'NYE DOROZI [HIGHWAYS]. Issued by Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee of Construction for the Transportation Industry in the U.S.S.R.]. Moscow, vol.28, no.3(269), Mar. 1965.
- Table of contents translated:  
Garina, M.V. - Women are among the most outstanding road specialists. p.1.
- Introduce advanced and economically efficient developments in production. p.2.
- Bozruk, V.M. - Soils should be used for pavements. p.3.
- Semenov, V.M. - Crushing rocks with high-frequency currents. p.6.

Lilina, I.A. - New method for vibratory mixing of asphalt concrete. p.7.  
 Kellman, V.A., Eremenko, S.I. - Electric heat treatment of bitumen without boilers. p.8.  
 Extending the rights of the State Committee on Construction of the Republics. p.9.  
 Gavrilov, I.F. - Fighting twenty-five years for a good organization of road maintenance. p.10.  
 Shoparov, I.A. - An outstanding innovator. p.12.  
 Kuznetsova, A.P. - Automatic refrigeration unit. p.13.  
 Bobylev, L.M. - Device for remote measurements of stresses and deformations in soils. p.14.  
 Elter, V., Rakovskii, E. - Universal fastening of molds to vibrating platforms. p.15.  
 Gaidash, A.M. - Equipment for heating frozen soil. p.16.  
 Beliaev, B.E. - Transportation of an activated mineral powder. p.18.  
 Gubka, V. - Mechanization of the unloading of mineral materials from freight cars. p.10.  
 Merzon, M.D. - Machine for laying concrete beds. p.17.  
 Briukh, L.A. - Fastening rail patterns and frames in building up concrete pavements. p.18.  
 Kovalev, I.U. - Heating the bitumen pump of a motor road roller. p.19.  
 For healthy working conditions. p.19.  
 Kladzhinski, M., Varlamov, E. - Rated method of accounting and planning. p.20.  
 Margot'ev, A.N. - Modulus of elasticity and deformation for stabilized soils. p.22.  
 Lukoshunas, S.I., Saucenavichus, G.V. - The use of bitumen emulsions may extend the construction season (formation of pavements). p.23.  
 Tavitkov, V. - Radiation and chemical methods for reducing ice cover. p.25.  
 Kozlovskii, B. - In the State Committee on Construction of the U.S.S.R. p.26.  
 Ilyev, N. - Water and heat conditions of the work of road structures in the steppes of Northern Caucasus. p.29.  
 Tseitlin, A. - Calculating bridge structures for local stresses. p.30.  
 Vol 28, no.4(270), Apr.1965.  
 Table of contents translated.  
 Nikolaev, A.A. - State of the road system of the Russian Federation and means for its improvement. p.1.  
 Priezhev, N.S., Briukov, I.I. - Road construction is a national business. p.5.  
 Business like and with emotion. p.5.  
 Appeal from the members of the All-Russian Conference on Road Construction to the workers of road organizations in the Russian Federation. p.9.  
 Martinakis, V.P., Khvostikov, V.V., Iatskevichus, G.I.A. - Perfect work organization has reduced the time of bridge construction. p.11.  
 Oleinik, N.G. - Organizing the operation of the D-391 soil-mixing machine. p.13.  
 Andreichenko, I.U., Ievlev, V.M. - Stabilization of soils of natural beds. p.14.  
 Frenk, L. - Construction of local roads according to simplified specifications. p.15.  
 Ritov, M.N. - Economic potentialities of construction and erection work. p.16.  
 Dolchuk, V. - Why are efficient road materials not used? p.17.  
 Subbotin, S.P. - Optimal strength of soil cement depending on cement content. p.18.  
 Sadovenko, D.I. - Improving the quality of gravel. p.19.  
 Raaskazov, D.S. - Occurrence of waviness in bitumen-mineral pavements. p.20.  
 Comments on Sh.A. Lehanidze's suggestions. p.21.  
 Ivask, V.B. - Using a model for evaluating the smoothness of a road. p.22.  
 Innovators suggest. p.24.  
 Bulgach, A.S. - Equipment for preparing additives for a concrete mix. p.24.  
 Bondarenko. - Stone bridges. p.25.  
 Kovalev, I.U.G. - Using masut for bitumen heating. p.26.  
 Vinogradov, A. - Improving ultrasonic measurements. p.27.  
 Readers' letters. p.28.  
 Information. p.29.  
 Epshteyn, F. - The D-343B cement distributor. p.32.  
 A.P. Brikov; obituary. p.3 of cover.  
 Road news. p.3 of cover.

BABUSHKIN, VSESOIUNNYI NAUCHNO-ISLEDOVATEL'SKII INSTITUT TRANSPORTNOGO STROITEL'STVA, Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF TRANSPORTATION CONSTRUCTION, Transactions]. No.56, 1965. Studies of bearing characteristics of foundation footings.  
 Table of contents translated;  
 Glotov, N.M. - Studies of the Central Communications Research Institute on carrying out the norms for planning and the methods of constructing footings for supports. p.5.

Luga, A.A. - Plane shear of the abutments of bridges. p.14.  
 Luga, A.A. - Deep shear of the abutments of bridges and supporting walls. p.61.  
 Luga, A.A. - Settling of pile foundations performing under conditions freed from interconnecting effect. p.71.  
 Marsov, V.A., Tulchinskii, M.D. - Foundations of tubular piles with earth cores. p.83.  
 Kovalev, I.U.L. - Processes of the formation and realization of the forces of friction along the lateral surface of a separate foundation in sandy soil. p.99.  
 Luga, A.A. - Norms of the calculated resistance of piles along the ground. p.105.  
 Zavriv, K.S. - Calculating columnar foundations of bridge supports with operational loads. p.115.  
 Chizhikov, P.G. - Study of the stability and deformability of the "foundation - soil" system. p.121.  
 Chizhikov, P.G. - Simulating resistance and sag of sandy foundation beds in various phases of deformation. p.135.  
 Trubnikov, N.V. - Impact of a pile-driving hammer. p.148.  
 Glotov, N.M. - Effect of the size of the bit breaking rock on the magnitude of the destructive pressure. p.171.  
 Glotov, N.M. - Study of the forces of resistance of the longitudinal shear of a column embedded in rock. p.176.

# BETON I ZHELEZOBETON [CONCRETE AND REINFORCED CONCRETE]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U.S.S.R.]. Moscow, vol.9, no.6, June 1963.

Table of contents translated:  
 Zavadilker, B.N. - Precast-monolithic structural elements in the multistory department store in Minsk. p.241.  
 Kovalev, N.N. - Deformability of prestressed reinforcement made of steel cables. p.245.  
 Ateil, E.J., Mamut, I.A.L., Berlin, S.S. - Practice in anticorrosion zincing of welded joints. p.249.  
 Gornov, V.N. - Strength and rigidity of flexible concrete and reinforced concrete elements under short-term loading. p.252.  
 Rodov, G.S., Svolskii, V.M. - Reinforcement for mesh-reinforced cement elements. p.258.  
 Prokhorov, M.A. - Multipoint program controller of temperature for steam-curing chambers. p.262.  
 Shapiro, G.A., Sokolov, M.E. - Strength and deformability of horizontal joints in large-panel buildings. p.265.  
 Tamarin, A.A. - Stresses and elongation of post tensioned concrete reinforcement. p.266.  
 Berg, P.A. - Working with a device for measuring the prestressing of reinforcement. p.271.  
 Gomzhin, G.N. - Causes of failure of high-tensile wires in a prestressed state. p.274.  
 Bologovskol, D.I.A. - Using precast reinforced concrete for distribution and interblock heating nets in Leningrad. p.277.  
 Mitnik, G.S. - Designing steel formwork edges. p.278.  
 Zhdanov, A.P. - Calculating and selecting cross sections for prestressed concrete elements. p.282.  
 Mikhailov, V.V., Folomeev, A.A. - Method for reducing relaxation losses in wires and wire strands; based on the materials of the Fourth International Congress of the International Union of Prestressing. p.286.

## Vol.8 [i.e.9], no.9, Sep. 1963.

Table of contents translated  
 Andreev, V.G. - Precast prestressed concrete for bridge construction. p.385.  
 Jakobs, V.V. - Precast reinforced concrete for tunneling. p.389.  
 Mikhailov, V.V., Gamberov, G.A. - Three-way prestressed elements in the compressed zone of composite structures under bending. p.393.  
 Lilin, N.B. - Basic principles of technical specifications for designing reinforced concrete bridges. p.398.  
 Krylov, I.U.K. - Standardization of precast reinforced concrete bridge spans. p.401.  
 Troitskii, E.A. - Cables for reinforcing large concrete span bridges. p.407.  
 Ruf, L.V. - Studying the anchorage of seven-wire strands. p.411.  
 Kazarnovskii, V.S. - Composite reinforced beams for automobile bridges. p.413.  
 Bobrikov, B.V., Nosarev, A.V., Chestnoi, V.M. - Studying the stressed state of reinforced concrete nodal sections of bridge trusses. p.418.  
 Iosilevskii, L.I., Chirkov, V.P. - Bridge spans with inclined stirrups. p.423.  
 Guzev, E.A. - Concrete beams reinforced by thermally treated bars. p.424.

Vlasov, S.N. - Standardized reinforced concrete lining for the tunnels in aggressive soils. p.427.  
 Glibshman, M.L. - Calculating composite bridge elements with due regard to shrinkage and additional control forces. p.429.

## MOSCOW, GOSUDARSTVENNYI INSTITUT PO PROEKTIROVANIU, ISLEDOVANIU I ISPYTANIU STAL'NYKH KONSTRUKTSII I MOSTOV, Materialy po metallicheskim konstruktsiiam [STATE INSTITUTE FOR THE DESIGN, STUDY, AND TESTING OF STEEL STRUCTURES AND BRIDGES, Materials on Metallic Structures]. No.8, 1964.

Table of contents translated:  
 Sretetskii, N.S. - General analysis of the phenomenon of the loss of rigidity in rectangular rods. p.4.  
 Mel'nikov, N.P. - Basic problems in the development of welded structural metal elements. p.11.  
 Popov, G.D. - Development of structural forms of metal spans in Soviet bridge building. p.58.  
 Leites, S.D. - Elastoplastic bending and the stability of eccentrically compressed thin-walled symmetrical I-beams. p.70.  
 Klimov, S.A. - Calculating orthotropic bent plates for structural purposes. p.116.  
 Dovzhenko, A.S. - Causes of failure in compressed areas of welded crane beams. p.154.  
 Sharinov, I.L. - Some problems in automating the calculation of crane-loaders. p.172.  
 Shkhnovskii, M.M. - Static strength of welded joints in elements of low-carbon steel. p.180.  
 Leites, S.D. - Present-day method of calculating steel coverings and sheathings under conditions of cylindrical bending. p.186.

## MOSCOW, TSENTRAL'NYI NAUCHNO-ISLEDOVATEL'SKII INSTITUT STROITEL'NYKH KONSTRUKTSII, Analiz prichin avarii i povrezhdenii stroitel'nykh konstruktsii [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF CONSTRUCTION DESIGN, Analysis of the Causes of Failure and Damage in Building Structures]. No.2, 1964.

Table of contents translated:  
 Shishkin, A.A. - Considering and studying the technical causes of failure and damage of construction elements. p.6.  
 Shishkin, A.A. - Causes of failure in standard brick buildings with longitudinal bearing walls and measures to eliminate them. p.23.  
 Shishkin, A.A., Shakhmazarov, R.S. - Study of the causes of early crack formation in exterior brick walls with local bulges. p.58.  
 Shakhmazarov, R.S. - Study of the causes of crack formation in interior bearing walls of apartment houses in the series II-20-01 of the Special Architectural Design Bureau and I-511 of the Special Architectural Design Bureau. p.78.  
 Shishkin, A.A., Bravinskii, E.A. - Causes of early crack formation during the "dry" placement of floors on wall panels. p.102.  
 Desov, A.E. - Failure of reinforced concrete elements caused by inadequate quality control of the concrete. p.121.  
 Shlaenkov, E.S., Zarin, R.A., Rudin, P.V. - Practices in maintenance of gas concrete elements. p.137.  
 Emel'ianov, A.A. - Defects in exterior panels of completely prefabricated apartment houses during temperature deformations according to data obtained from in-situ investigations. p.153.  
 Emel'ianov, A.A. - Calculating the maximum interval between expansion joints of large-panel buildings according to deformations. p.177.  
 Shtanskii, I.A.V. - Methods and results of stand measurement of deformations in the rods and inerts in outer walls of large-panel buildings. p.222.  
 Emel'ianov, A.A., Torchinskii, E.A., Abramov, N.N. - Method of measuring volumetric deformations of three-dimensional elements of apartment houses. p.248.  
 Shtern, O.I. - Determining the strength of concrete by studying the condition of elements. p.254.  
 Tokmakova, I.A. - Technology of sealing joints of panel buildings, under winter conditions, by concrete with a potash additive. p.263.

## NOVAIA TEKHNIKA ZHILISHCHNO-KOMMUNAL'NOGO KHOSIAISTVA BLAGOSTROISTVO GORODOV [NEW TECHNOLOGY FOR HOUSING AND COMMUNAL SERVICES: MUNICIPAL SERVICES], Issued by Tekhnicheskoe upravlenie Ministerstva kommunalnogo khoziaistva RSFSR [Technical Administration of the Ministry of Communal Economy of the R.S.F.S.R.], Moscow, [no.1], 1961, Improvement of public services and amenities in cities.

Table of contents translated:  
 Mashtinskii, V.L. - Nurseries' specialization in decorative plants. p.5.  
 Kuntsevich, I.P., Simoniia, A.A., Baturin, T.F. - Garden and park machinery and devices. p.12.  
 Karabin, G.L. - Efficient methods of mechanized cleaning of city streets in summer. p.26.



- Zhdov, M.A. - Cleaning of streets in winter. p. 29.  
 Bukrec, E.M. - Present-day refuse collecting machinery in foreign countries. p. 36.  
 Gusev, L.M. - Foreign machinery for sweeping streets and gathering refuse. p. 53.  
 Chereches, B.A. - Refuse sorting station. p. 66.  
 Kovalenko, G.T. - New developments in the operation of laundries in Leningrad. p. 76.  
 Gordeev, P.A. - Automatic washing machine with a capacity of 50 kg (ASMTS-50). p. 82.  
 Minaev-Tsikanovskii, V.A. - Centrifugal wringing of clothes in a washer-dryer. p. 90.  
 Bibliographical information about technical literature. p. 101.

**POZHARNAYA BEZOPASNOST' [FIRE SAFETY].** Issued by Fakul'tet inzhenerov protivopozharnoi tekhniki i bezopasnosti Vysshei shkoly MOOP RSFSR [Faculty of Fire Fighting and Fire Safety Engineers of the Higher School of the Ministry for the Protection of Public Order of the R.S.F.S.R.], Moscow, no. 3, 1964.

- Table of contents translated  
 Roitman, M.A., Aksenov, N.A. - Map of the fire hazards of technological processes. p. 3.  
 Ogilev, V.V., Alekseev, M.V. - Fire hazards in the production of aniline with the contact method. p. 9.  
 Alekseev, M.V., Rusanov, N.D. - Fire hazards in the production of isopropylbenzene. p. 16.  
 Alekseev, M.V., Fedotov, A.I. - Preventive measures in the production of vinyl chloride. p. 21.  
 Savushkina, A.N., Mukhalov, V.G. - Fire hazards in the production of terylene films. p. 27.  
 Roitman, M.A., Khodakovskii, I.G. - Determining the fire resistance limits of reinforced concrete structures under various temperature conditions. p. 31.  
 Bashkirtsev, M.P., Shelud'ko, N.A. - Determining the coefficient of heat exchange under the conditions of a "standard" fire. p. 39.  
 Aksenov, M.S., Roitman, M.A. - Bases of the initial data for the design of fireproof curtains. p. 47.  
 Prostov, N.I. - Evacuation of people from large buildings (from foreign practices). p. 51.  
 Saushev, V.S. - Determining the temperature of self-ignition of meltable solid and viscous liquid substances. p. 55.  
 Dyckova, N.M., and others - Fire hazard indices of some liquids. p. 59.  
 Chekasov, V.N., Solov'ev, I.A. - Lightning protection in rural areas (based on the example of the Belgorod Province). p. 64.  
 Kazakov, M.V., Denidov, P.G., Gunbin, I.U.G. - Use of wetting agents in fire extinction. p. 76.  
 Andreenko, N.P., Tarasov-Agalakov, N.A. - Bases for establishing the operative radius of fire departments and the number of operative units of a city fire extinction system. p. 87.  
 Isachenko, L.I., Kashcheev, N.B. - Insulating oxygen ATF-1 gas mask. p. 95.  
 Tarasov-Agalakov, N.A., Kozar', V.N. - Use of fire hose in fire departments. p. 98.  
 Kashcheev, N.B. - Ways to improve the sprinkling systems. p. 103.

**PROMYSHLENNOE STROITEL'STVO I INZHENERNYE SOORUZHENIYA [INDUSTRIAL CONSTRUCTION AND ENGINEERING STRUCTURES].** Issued by Gosudarstvennyi komitet po delam stroitel'stva USSR [State Committee for Construction in the Ukrainian S.S.R.] and others. Kiev, vol. 6, no. 2 (27), May-Apr. 1964.

- Table of contents translated  
 Lubenets, G. - Recent developments in the designing of plants for the manufacture of reinforced products. p. 1.  
 Kozlova, N., Babich, V. - Assembling the structural elements of a sintering plant. p. 5.  
 Ezeritskiy, N. - Organizing the assembly of the equipment of the Dzerzhinskii No. 3 sintering plant. p. 8.  
 Gitman, F. - Some problems involved in the amount of steel used in the foundations of rolling equipment. p. 19.  
 Vorob'ev, V., and others - Using heat for straightening hot-rolled low-alloy steel. p. 13.  
 Tselin, A. - Roofing of manufacturing plants made of large machine-molded elements. p. 17.  
 Beletskii, I.U. - Roofing of industrial plants made of prestressed panel-shells. p. 21.  
 Gurskii, A. - Function of the butt of the reinforced concrete columns of a multi-story building. p. 26.  
 Rubach, O., Stakovichenko, E., Tselykovskii, G. - Testing the prestressed saddle beams of a precast-monolithic roof. p. 28.  
 Barenbolm, I., Dubrova, E. - Use new structural steel extensively! p. 32.  
 Dashevskii, M. Shevchenko, V., Permiakov, I.U. - Assembling a gasholder with a capacity of 30 thousand M<sup>3</sup> made from rolled blanks. p. 35.  
 Fateev, A. - Precast prestressed reinforced concrete tanks. p. 39.

- Epshtein, A., Volynskii, I. - Tanks made from cold-formed sheets. p. 41.  
 Pinskii, G. - Carrying capacity of frames made from thin-walled bars under loads from the plane of the frame. p. 46.  
 Rozenfel'd, I. - Calculating the settling of foundation beds taking into consideration the influence of adjacent foundations. p. 51.  
 Matveenko, P., Tkachuk, A. - Operation of intake systems without radiators. p. 55.  
 Ianko, I.U., Shul'ga, T. - Precast pressureless reinforced concrete pipes with diameters ranging from 300-1500 mm. p. 57.  
 Khorunzhi, V. - Ventilation unit made from precast reinforced concrete. p. 59.  
 Volkovich, V., Radosevskii, A. - Bench for submerged arc welding of embedded joints. p. 64.

**PUTI I PUTEVOYE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE].** Organ of Ministerstvo putei soobshchenia SSSR [Ministry of Railroad Transportation of the U.S.S.R.], Moscow, vol. 9, no. 4, 1965.

- Table of contents translated  
 Chernyshev, M.A. - Prospects of the development of track facilities. p. 2.  
 Isaev, S.M. - Providing for work safety. p. 5.  
 Volkovich, I.U.N. - Glorious achievements of a progressive collective. p. 6.  
 Bezrukov, A.I., Barsukov, M.M. - Maintenance of tracks laid on reinforced concrete blocks. p. 8.  
 Egorov, P.M. - New spray-painting unit. p. 12.  
 Markov, A.K. - Combine for track maintenance. p. 13.  
 Bukin, V.L. - Reinforcement of bridge footings. p. 14.  
 Kazarnovskii, D.S. - Improving the quality of rails. p. 15.  
 Sheherban', V.M. - Utilizing the internal resources. p. 18.  
 Mil'shtein, M.I. - Standardization of narrow gauges. p. 19.  
 Shvarev, V.L., Shevchenko, I.G. - Improving business accounting. p. 21.  
 Nikolaenko, V.I. - Planning must be realistic. p. 23.  
 Rabinchenko, V.S., Zhorelskov, I.V. - Maintenance of curves based on bench marks is a simpler and more convenient method. p. 25.  
 Savchenko, A.G. - Using the soil baking method for the stabilization of the roadbed. p. 26.  
 Pashinin, S.A. - Make greater use of reinforced concrete ties. p. 29.  
 Kozlov, G.A. - Improved hoisting mechanisms. p. 30.  
 Shakhmurov, G.M. - Ways to secure the necessary elasticity of tracks laid on reinforced concrete ties. p. 32.  
 Rovenskii, M.V. - New blasting method. p. 33.  
 Gaponenko, I.U.A., Zotov, M.D. - Electric timer. p. 34.  
 Provodina, M.N. - A collective strives for better tie quality. p. 39.  
 Voskoboinikov, I.U.D. - Vulcanization of conveyor belts. p. 39.  
 Kalinin, V.G., Khomenko, D.P. - Convenient device. p. 40.

Vol. 9, no. 5, 1965.

- Table of contents translated:  
 Improve the quality of track repair. p. 1.  
 Maksimenko, I.I. - Emulate the progressive workers. p. 3.  
 Smolitskii, E.A. - The glory of these days will never fade; on the occasion of the 20th anniversary of the victory over fascist Germany. p. 5.  
 Kozlovskii, V.A., Krasovskii, S.N. - Laying of rail lengths without end cutting. p. 8.  
 Zin'kov, V.V. - Precise work schedule is the prerequisite of success. p. 13.  
 Cherkasskii, M.M., Babai, B.F. - Track alignment crew. p. 14.  
 Liders, G.V. - Improving the technology of track repair. p. 15.  
 Dubitskii, M.N. - Speed-up the creation of a diesel locomotive mounted electric power plant. p. 17.  
 Pototskii, G.I., Letuchii, N.A. - The revision of indices has to be well-founded. p. 19.  
 Gasilov, R.G., Karpov, N.A., Malakhov, N.A. - Motor-driven hydraulic track liner. p. 21.  
 Kvashnin, I.N., Sharov, I.F. - Adopting a progressive method of rail welding. p. 23.  
 Anikin, V.L., Boiko, I.U. Kh. - Organization of the repair of heavy track maintenance machinery. p. 24.  
 Kozlov, V.B., Mukhin, V.P. - Single-rail defectoscope. p. 26.  
 Rabinov, M.G., Tatlovskii, V.M., Khorometskii, V.A. - Use of a tapper in the current track maintenance. p. 29.  
 Trubitsyn, V.F. - Various types of reinforced concrete ties on the Southwestern Railroad. p. 30.  
 Constructor of the first railroads. p. 32.  
 New norms for track maintenance. p. 35.

- Provolovich, A.I. - Use of irrigation in the growing of protective tree belts. p. 36.  
 Vinogradov, B.A. - Crown-cutting machine. p. 37.  
 Gendel'man, I.G. - Increasing labor productivity. p. 38.  
 Shepelev, V.N. - Ways to secure high-quality termite welding. p. 39.

**REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS: HIGHWAYS].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 6, June 1965.

**SEL'SKOE STROITEL'STVO [RURAL CONSTRUCTION].**

Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R.S.F.S.R. for Construction], Moscow, vol. 19, no. 1 (193), Jan. 1965.

- Table of contents translated  
 Rural construction in the final year of the seven-year plan. p. 1.  
 Lisunkin, K. - Interfarm construction organization attains production efficiency. p. 3.  
 Semikov, V. - Seven-year plan for electrification has been carried out. p. 6.  
 Panchenko, I. - State farm gems. p. 8.  
 Shutenkina, M. - Best mechanic. p. 8.  
 Lipkin, P. - What hinders work at rural construction sites of the Main Construction Administration of the Upper Volga Valley? p. 10.  
 Shevchenko, P. - Volga Valley State Administration for Rural Construction. p. 11.  
 Feigina, R. - Boarding school for 330 students. p. 13.  
 Sakharov, A. - Farm buildings of keramzit concrete. p. 13.  
 Volkikh, I., Shumetov, G. - Practices in equipping existing potato storerooms with an active ventilation system. p. 14.  
 Abdullayev, Z. - Warehouses of precast mesh-reinforced elements. p. 16.  
 Bobrov, I.U. - New structural elements made by using reeds. p. 17.  
 Maksimovskii, N. - Mixers for manufacturing keramzit concrete. p. 18.  
 Gorskii, V., and others. - New material for covering farm buildings. p. 19.  
 Zolotarev, I. - Equipment for manufacturing blocks. p. 21.  
 Vernikovskii, I.U. - Conditioning the reinforcement by drawing. p. 22.  
 Neviadomskii, E. - New method of attaching fiber-board slabs. p. 23.  
 Tools and equipment for assembly work. p. 24.  
 Use these yourselves. p. 26.

**STROITEL'STVO TRUBOPROVODOV [PIPELINE CONSTRUCTION].** Issued by Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Production Committee for the Gas Industry of the U.S.S.R.], Moscow, vol. 10, no. 2, Feb. 1965.

- Table of contents translated:  
 Conditions for the fulfillment of the plan for construction in 1965. p. 1.  
 Sarkisov, A.G. - Route of the Shaim-Tyumen' petroleum pipeline. p. 3.  
 Trelov, E.L. - Problems of designing oil field equipment in Tyumen' Province. p. 4.  
 Tolgin, L.G. - Means for improving surface pipe laying. p. 6.  
 Alekseev, A.M. - Possibilities of using aluminum pipes in the construction of oil and gas pipelines. p. 8.  
 Aliferenkov, A.D. - Carrying capacity of asbestos-cement pipelines under simultaneous external loads and internal pressure. p. 11.  
 Kovalev, E.P., Nikolaev, S.N. - Results of investigations of the UER excavator. p. 14.  
 Zubov, N.M. - New natural-gasoline plants. p. 18.  
 Khusnutdinov, M.Kh. - Constructing a radial water intake. p. 20.  
 Matveev, A.I., Kopyrin, O.D. - Construction of precast reinforced concrete tanks with a capacity of 30,000 m<sup>3</sup>. p. 22.  
 Transporting water towers on gantry sledges. p. 27.  
 Chechik, G.M. - Welding assembled units to a pipeline after blowing gas through it. p. 27.  
 Polshakov, V.V. - Unit for loading and unloading machinery transported on motortrucks. p. 28.  
 Narimanov, A.A. - Planning a gas-distribution station without an operator's house. p. 30.  
 Bakshoeva, S.I., Senenov, B.N. - More exact representation of the requirements in the machines and mechanisms for pipeline construction. p. 32.  
 Kats, L.A. - Comments on the new All-Union State Standards project for asbestos-cement pipes. p. 33.  
 Nikituk, A.V. - Reduction of the distance between underground networks can be done only under exceptional conditions. p. 35.



VOPROSY GIDROTEKHNIKI [PROBLEMS OF HYDRAULIC ENGINEERING]. Issued by Sredneaziat'skii nauchno-issledovatel'skii institut vodnykh problem i gidrotekhniki [Central Asiatic Scientific Research Institute of Water Problems and Hydraulic Engineering]. Tashkent, no. 10, 1964.

Contents: Tsvetkova, N. F. [Technological conditions and norms in the designing of irrigation settling basins]. Tekhnicheskie usloviya i normy po proektirovaniu irrigatsionnykh otstoinikov. 66 p.

VSESOIUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT NOVIKH STROITEL'NYKH MATERIALOV. Sbornik trudov [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF NEW BUILDING MATERIALS. Papers]. Moscow, no. 3, 1960.

Table of contents translated

- Lesin, A. D. - Fine grinding of materials. Choosing efficient structural parameters for high-capacity vibratory mills. p. 3.
- Morgulis, M. L., Polotskii, L. M., Trusev, B. K. - High speed percussive-centrifugal mill. p. 20.
- Sil'vestrov, D. N. - Mills for fine grinding of materials. p. 42.
- Lesin, A. D. - Elements of the mechanics of planetary mills. p. 60.
- Boksheln, S. I. A. - Turbulent dispersion of particles in gravity classifiers. p. 73.
- Rybin, V. R., Boksheln, S. I. A. - Study of breaking vertical classifiers. p. 82.
- Gil'denberg, Z. G., Mikhailovskii, V. V. - Peat ash cement and products made from it. p. 102.
- Gil'denberg, Z. G., Borodkin, V. S. - Building materials of unautoclaved hardening with lime binders and local fillers. p. 113.
- Sominskii, D. G., Edel'man, L. I. - Using a mercuric porosimeter to study the differential porosity of cement and sand-lime samples. p. 120.
- Khodakov, G. S. - Determining the specific surface of dispersed bodies by the method of the adsorption of carbon dioxide. p. 132.

#### e. ELECTRICAL ENGINEERING

AKADEMIYA NAUK SSSR, Sibirskoe otdeleniye, Sibirskii nauchno-issledovatel'skii institut energetiki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R., Siberian Department, Siberian Scientific Research Institute of Power. Transactions]. Novosibirsk, no. 1(20), 1964.

Table of contents translated:

- Shcherbakov, V. K., Ol'shevskii, O. V. - Networks and carrying capacity of tuned electric power transmission lines. p. 3.
- Khakimov, F. Z. - Networks for connecting the condenser batteries of tuned electric power transmission lines. p. 16.
- Vorob'ev, G. V. - Some characteristics of series-parallel coupling networks of intermediate power systems with long-distance power transmission lines. p. 24.
- Shcherbakov, V. K., and others. - Joint operation of tuned power transmission lines with intermediate systems. p. 40.
- Bushuev, V. V. - Use of an analog computer in modeling a generator with a capacitive load. p. 45.
- Bushuev, V. V. - Nature of the instability of a synchronous generator with a capacitive load. p. 55.
- Kotlovova, D. G. - Effect of external reactive resistance on the self-excitation conditions of a generator feeding a half-wave tuned line. p. 61.
- Kaluzhnyi, A. Kh. - Electromagnetic stability of half-wave and tuned two-circuit power transmission lines with disconnection of a circuit in one of the sectors. p. 70.
- Kovalev, B. I. - Use of a digital computer for calculating internal overvoltages of half-wave tuned lines. p. 78.
- Khatevin, V. K. - Operation of a half-wave tuned line with hunting of the synchronous machines. p. 83.
- Kaskavich, E. P. - Use of an active three-terminal network technique in the calculation of complex nonsymmetrical modes of long-distance power transmission lines. p. 101.
- Lukashov, E. S. - Systems of relative units of the rotor circuits of synchronous machines. p. 109.
- Lukashov, E. S. - Operator equations of four-terminal networks in  $d, q$  coordinates. p. 116.
- Tagirov, M. A. - Analysis of transient processes using Gorev-Park equations with zero initial conditions. p. 125.
- Kopach, E. N. - Algorithm for analyzing the static stability of complex power systems using digital computers. p. 136.
- Lukashov, E. S. - Study of the properties of a long-distance power transmission line with intermediate synchronous support compensators. p. 154.
- Tagirov, M. A. - Stability in the "small" of complex systems with symmetry. p. 163.

AVTOMATIKA, TELEMEXHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo putei soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 9, no. 4, Apr. 1965.

Table of contents translated:

- Preis, I. M. - Improvement of the operation of automatic and remote control devices. p. 1.
- Lidin, D. - V. I. Lenin, a friend and inventor. p. 12.
- Rybalko, G. E., Zrazhevskii, G. N. - Two-way parallel-type amplifier for selector communication circuits. p. 14.
- Kondrashchov, I. V. - OSS-63 conference call communication apparatus. p. 17.
- Afanasyeva, S. I. - Changes in the circuits of semi-automatic relay block systems as directed by the new "Instructions on signaling." p. 19.
- The one-hundredth issue. p. 23.
- Solov'ev, N. P. - Some problems of the improvement of radio communication systems of trains. p. 20.
- Chikulaev, A. I. - Special features of the line equipment room of Novosibirsk. p. 29.
- Tetiukhin, V. G. - Follow the example of D. M. Bytsyn's brigade. p. 31.
- Luk'ianov, G. K. - Good condition of equipment is a guarantee of faultless operation. p. 33.
- Trel'takov, L. P. - Changes in dispatcher control networks. p. 35.
- Pekhov, I. S. - Sectional communication system using a cable without coil loading. p. 38.
- Parin, P. S. - Distortion of code impulses in track circuits and methods for preventing it. p. 41.
- Kilin, M. I. - Presentation of advanced work methods on a screen. p. 44.
- Rainerman, P. O. - Replacement of toggle switch with a button. p. 45.
- Agapov, I. A. - Toward higher universal standards. p. 46.
- New books on automatic control, remote control, and signaling. p. 47.

Vol. 9, no. 5, May 1965.

Table of contents translated:

- Semenov, N. M. - Development of radio communication in railroad transportation. p. 1.
- Golosokov, V. A. - Always in the ranks. p. 3.
- Gamburg, E. I. U., Rurisev, I. I. - Important problems in construction. p. 5.
- Dubov, E. - Bearer of the Gold Star. p. 8.
- Menshikov, N. A. - The communication workers of Gorky are fighting for technological progress. p. 11.
- Ermolenko, A. F., Naumov, B. S. - Shortcomings in the organization of construction. p. 17.
- Smolov, K. - On friendly wavelengths. p. 18.
- Sidashnikov, A. V., Kogan, D. A., Antonova, L. N. - Single-track automatic block system without main track signal lights and with unlimited pulse track circuits. p. 20.
- Kvetnyi, Ya. A. - Value of public inspection. p. 25.
- Parin, P. S. - Device for measuring the duration of impulses and intervals. p. 28.
- Kashirskii, M. S., Popov, S. T. - Calculation of the feeder lines of loudspeaker systems in railroad yards. p. 31.
- Deineka, I. B. - Automatic voltage control in transmitter-receivers. p. 33.
- Fomin, I. A. - How we organize the overhaul operations of automatic block systems. p. 36.
- Temerov, B. F. - Technical documentation should be carried out in an outstanding manner. p. 38.
- Klasko, V. A. - Increasing the stability of the parameters of 12 and 14-channel radio relay stations with pulse-phase modulation. p. 40.
- Petrunko, A. E., Betenov, V. K. - Complete utilization of all hidden potentials. p. 42.
- Adaskin, M. N. - Elimination of a fault in the circuit of a device for signaling short-circuits to ground. p. 43.
- Shamarin, N. P. - Automatic switching of signaling machines. p. 44.
- The PDTs-12/220 transistorized converter. p. 45.
- Sectionalizing of track circuits for a jointless track. p. 46.
- Books on automatic control, remote control, and communication. p. 48.

\*ELEKTRICHESSTVO [ELECTRICITY]. Organ of Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, Apr. 1965.

Table of contents translated:

- Kashlitan, V. E., Urevich, E. I., Gertsensberg, G. R. - High-speed regulation of steam turbines improves power system stability. p. 1.
- Nikulin, I. A., Troshin, V. A., Tikhonov, I. M. - Calculation of the excitation of synchronous motors with consideration of minimum energy loss. p. 8.
- Dmochovskaya, L. F., and others. - Development and use of spark gap connections and forcing of reactors in long-distance power transmission systems. p. 14.

- Aleksandrov, G. N., Ivanov, V. L., Redkov, V. P. - Electrical strength of an air gap between the wires of a superhigh voltage transmission line and ground in the presence of internal overvoltages. p. 20.
- Fedosenko, R. I. A. - Design of residential and public utility networks. p. 25.
- Stol'nikov, V. N. - Technical and economic problems of the selection of an effective municipal power supply network for communal and everyday needs. p. 29.
- Fokin, I. U. A. - Methods for calculating complex municipal closed-circuit power distribution networks with statistically defined loads. p. 34.
- Bocharov, V. I. - Statistical method for determining the reliability of power distribution in open pit mines. p. 37.
- Belova, L. A., Mamkontants, L. G., Tutubalin, V. N. - Probability of insulation failure in turbo-generator stator windings dependent on the duration of the operation. p. 42.
- Mukoseev, I. U. L. - Use of doubled reactors for voltage stabilization in industrial power distribution networks. p. 48.
- Vol'dek, A. I. - Compensation of a fluctuating magnetic field in asynchronous machines and induction pumps with open magnetic circuits. p. 50.
- Zhulovian, V. V., Kuzanskii, V. M. - Design of reactive stepping motors. p. 53.
- Dul'kin, A. I. - Magnetizing force of a "squirrel cage" with a nonuniform pitch. p. 57.
- Mezhlumov, A. A. - Regenerative braking of an asynchronous drive with a long shaft. p. 62.
- Frakman, I. U. V. - Calculation of transformer yoke dissipation. p. 65.
- Donskoi, A. V., Fomin, A. A. - Electrical parameters of electromechanical systems during the induction heating of a sphere. p. 68.
- Tor-Akopov, A. K. - Design of high-speed electromagnets. p. 71.
- Zakharov, B. V. - Calculation of the magnetization of ferromagnetic rings by an external field. p. 74.
- Paverman, S. V., Gornshstein, V. M., Manukian, R. S. - Consideration of limitations in the form of disparity in the calculation of economical operation of a thermal electric power plant using an analog computer. p. 79.
- Palchenkova, G. V., Skokov, A. D. - Magnetic alloys for operation at high temperatures. p. 81.
- Sapozhnikov, A. V. - Insulation levels of high-voltage transformers. p. 84.
- Nalfe'd, M. R. - Dependence of the grounding resistance on the dimensions of the grounding device. p. 89.
- Gershengorn, A. I., Lyskov, I. U. I. - Economical current load limits for 110-500 kv. lines with standardized towers. p. 90.
- Goroshina, V. A., Sherentais, A. N. - Author's reply. p. 91.
- Bogdanov, I. E. - Information on patents in our country. p. 92.
- Alatorisev, S. A., and others. - Professor S. A. Volokovskii, on his 60th birthday. p. 94.
- B. G. Lortkipandze; obituary. p. 94.
- All-Union competition on the best inventions and suggestions on efficiency measures. p. 95.
- New books published by the "Energia" publishing house. p. 96.

\*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosvyazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 19, no. 3, Mar. 1965.

Table of contents translated:

- Badalov, A. L. - Principles of the distribution of the radio frequency spectrum and of the drafting of plans for different radio services. p. 1.
- Gerastovskii, P. A. - Interference rejection of phase telegraphy. p. 13.
- Sokolov, V. V., Pelekhatyi, M. I. - Effect of correlation noises on the noise stability of coherent phase telegraphy reception. p. 23.
- Alfeev, V. N., Raibil', E. I. - Design of multiresonator-type selective parametric amplifiers. p. 32.
- Kilagin, L. E. - Self-regulation in a bridge-type balance modulator. p. 41.
- Dubrovskii, I. A., Shagurin, I. I. - Instability of the amplification coefficient of single-stage tunnel diode amplifiers in the midfrequency region. p. 47.
- Kogan, S. S. - Phase equalization of electric filters. p. 53.
- Divnogortsev, G. P. - Group time delay in telephone channels and methods for decreasing its irregularity. p. 65.
- Berganov, I. R. - Experimental study of the reliability of a pulse-type remote control system. p. 72.
- Okunev, I. U. B. - Coding of signals with multiple phase keying. p. 78.

**ELEKTROTEKHNIKA (ELECTRICAL ENGINEERING).** Issued by Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 36, no. 4, Apr. 1965.

**Table of contents translated:**

- Voronetskiy, B.B., Ghrshberg, V.V., Khodnev, V.V. - Transistorized systems for automatic control and protection of power engineering and industrial systems. p. 1.
- Brjukov, A.V., and others. - Contactless transistorized protection system for 6-10 kv. distribution units. p. 7.
- Ghrshberg, V.V., and others. - Transistorized logical and functional elements of the standardized ET-series for industrial automatic control systems. p. 11.
- Brjukov, A.V., Kutler, N.P., Podaruev, A.I. - Transistorized protection and automatic control system of the hydraulic power unit and transformer of the Belomorsk Hydroelectric Power Station. p. 15.
- Matskevich, L.N. - Double-core current transformer for a transistorized contactless protection system. p. 18.
- Ivenskiy, I.U.N., Lelman, A.A., Golovskiy, A.S. - Calculation and design of generator-type contactless track switches. p. 20.
- Lidorenko, N.S., and others. - Electrochemical transducers for oscillation and weight measurements. p. 24.
- Karpenko, B.K. - Quick-response d.c. motors for high-speed automatic systems. p. 25.
- Lodochnikov, E.A., Tsimin, E.A., Sheminov, V.G. - New miniature d.c. motors with speed stabilization. p. 28.
- Men'kov, B.V. - Determination of the starting time of an asynchronous motor. p. 31.
- Nanil, V.P., Bessmertnyi, E.F. - Electric motors with rolling rotors and stepped-up frequency. p. 32.
- Vardenburg, A.K., Piliposian, P.M., Khas'kin, O.S. - Dielectric coatings achieved by a vortical spraying technique. p. 34.
- Ivanova, G.V. - Simplified calculation of the currents of single-phase asynchronous motors. p. 37.
- Aleksandrov, G.N., Ku Lo-Kuang. - Electrical strength of power line insulators with different degrees of contamination. p. 38.
- Znev, N.B., Kuz'mina, R.P. - Some properties of charged solid dielectrics. p. 41.
- Namilkov, K.K., Brozinskiy, V.G., Kats, B.B. - Eccentricity of the collectors of d.c. machines at high angular velocities. p. 44.
- Medinskiy, L.A. - Methods for measuring start processes in the rotor cage of an induction motor. p. 46.
- Ivatskiy, E.E. - Combined tests of valve-type dischargers. p. 49.
- Barg, M.A., Barg, I.A.A., Livshits, A.L. - Method for calculating the flexure of shafts. p. 54.
- Pekker, I.I., Lobza, G.S. - Calculation of the optimum size of a shell-type d.c. electromagnet. p. 55.
- Dolaberdze, G.P. - Conversion of direct current into alternating current with controlled frequency for electronic transport systems. p. 58.
- Privezontsev, V.A., Larina, E.T. - Heat conductivity of winding wire insulation. p. 63.

Vol. 36, no. 5, May 1965.

**Table of contents translated:**

- Raskin, L.A. - Analysis and method for calculating the circuit of a regulated inverter. p. 1.
- Antonov, M.V., Radin, V.I. - Single-phase asynchronous generator using a reversed synchronous field. p. 7.
- Tolkunov, V.P. - Switching characteristics of stepped armature windings of d.c. machines. p. 10.
- Sergievskaya, T.G. - Heat emission of the frontal connections of the stator winding of a hydro-generator. p. 12.
- Bogdanov, O.I., Kudriyatshev, G.P. - Optimal inductor hydrostatic thrust bearing. p. 15.
- Aranchik, G.V., Zhmerov, G.G., Epshteyn, I.I. - Method for analyzing autonomous inverters supplying power to synchronous motors. p. 17.
- Barabanov, E.G. - Method for increasing the dynamic accuracy of digital program control systems with variable structure. p. 21.
- Mogilevskiy, G.V., Salenko, V.D. - Noncontact overload trip mechanism for automatic a.c. circuit breakers. p. 24.
- Filatov, M.N. - Explosionproof track switches. p. 26.
- Bondarenko, E.M., Smirnov, A.I., Dorofeev, B.G. - Investigation of thermal and aerodynamic parameters of resistor blocks made from a tape-wound high-resistance alloy. p. 27.
- Gizartia, D.A., Polishchuk, I.A.A., Kolganov, E.P. - Automatic regulator for induction smelting systems using commercial frequencies. p. 30.
- Shmukler, I.S., Karpenskiy, V.K. - Calculation of concrete columns for dry current limiting reactors. p. 32.

- Van-Gaut, I.U.N. - Electrical strength of polyvinyl chloride plasticized resin. p. 36.
- Dronova, G.N., Evstrop'ev, K.S. - Electric properties of SVAM-type glass plastic. p. 37.
- Enginov, I.A. - Effect of transverse pressure and bending on the magnetic properties of transformer steel. p. 39.
- Vinogradov, V.I., Kuz'min, A.I. - Study of built-in centrifugal fans of electrical machines. p. 43.
- Zdrok, A.G., Kazenas, G.L. - Plotting of a d.c. magnetization curve using a bridge circuit. p. 46.
- Levin, V.I. - Additional idling losses in the short-circuited rotor windings of asynchronous motors. p. 47.
- Parkhomenko, G.A., Spanul, V.S. - Experimental determination of synchronous reactances. p. 51.
- Rikkonen, V.M., Mel'nikov, I.U.S. - Electrical heating of a moving wire. p. 53.
- Alekseev, S.V. - Calculation of asymmetrical electrical conditions of steel-smelting arc furnaces. p. 55.
- Brunshstein, D.P. - Stability of the characteristics of semiconductor power rectifiers under operational conditions. p. 58.
- Duf'kin, A.I. - Magnetic field of the damping winding of a synchronous salient-pole machine. p. 60.
- A.I. Bertinov, on his 60th birthday. p. 63.
- Gorodskiy, D.A. - The question remains open. p. 64.

**ENERGETIKA I ELEKTROTEKHNIKESKAIA PROMYSHLENNOST' [POWER ENGINEERING AND THE ELECTRIC EQUIPMENT INDUSTRY].** Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainy SSR po koordinatsii nauchno-issledovatel'skikh i abot i Oblastnyy pravleniya Nauchno-tekhnicheskogo obshchestva energopromyshlennosti Ukrainy SSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Province Administrations of the Scientific and Technological Society of the Power Industry of the Ukrainian S.S.R.]. Kiev, no. 1(21), Jan.-Mar. 1965.

**Table of contents translated:**

- Klimenko, G.A. - Objectives of the power engineering workers of the Ukrainian S.S.R. p. 3.
- Bolko, V.I. - Research work in the period 1964-1965. p. 4.
- Indychenko, I.U.F. - Power unit with 800 thousand kw. rating. p. 5.
- Dupak, A.S. - Pavilion "Electrification." p. 6.
- Shukov, V.M. - Conditions of optimum load distribution between power plant units taking into account the effect of steam pipes. p. 8.
- Khrushchova, E.V., Krylov, V.A., Kashprovskiy, S.E. - Calculation of single-phase short-circuits in the power systems of the Ukrainian S.S.R. using the "Ural-2" computer. p. 9.
- Trukhan, A.P. - Statistical evaluation of the maladjustment of short-circuit current to ground compensation in a large cable network. p. 11.
- Ralle, V.V. - Special features of the operation of a synchronous reactive motor with frequency control. p. 15.
- Malakhovskiy, E.I., Mukhomorov, E.A. - Transistorized overload protection system of transformers and generators. p. 17.
- Zaitsepin, A.I., Gerasimova, L.S. - The OTsR-2800/25 power transformers. p. 19.
- Sinoli'nikov, V.I.A., Olanishin, O.A. - Two-stage transistorized directional overcurrent protection system of 110-220 kv. lines from interphase short-circuits. p. 20.
- Martynenko, I.I., Taran, V.P. - Device for measuring oscillations and voltage deviations in an electrical network. p. 22.
- Dolzhenko, A.A. - Null indicator for registering fields using an electrolytic tank technique. p. 24.
- Kondak, M.A., and others. - Study of registering frontal devices with central gas supply. p. 26.
- Shtelnberg, V.B. - Study of vibrational combustion in the combustion chambers of gas turbine systems. p. 28.
- Budker, S.B., Leiderman, M.I. - Hearth burners operating on liquid gas for cast iron sectional boilers. p. 30.
- Adamenko, A.I., Kislenco, V.I., Shurub, V.A. - Single-phase motors with active start resistances. p. 31.
- Rozov, S.S. - New principle for the construction of a resistance relay with an elliptical characteristic. p. 35.
- Kubyskin, B.E., Bykov, L.N., Pavlov, L.L. - Universal electromagnetic attachment for measuring rectified d.c. during reversing operations. p. 38.
- Nikitin, B.A. - Principles of the design of axial asynchronous motors with printed windings. p. 40.
- Kulzhuk, E.I., Karaev, V.S. - Systems for studying reactor radiation on the electrical characteristics of liquid dielectrics. p. 42.
- Dmitriyev, V.E., Tepitskiy, M.G. - Study of the efficiency of the leading VT-25-5 turbogenerator unit. p. 45.

- Degil', G.S. - Improved oil system of TGV-200 turbogenerators. p. 48.
- Bugai, N.V., Lebitskiy, L.A. - Damage of steam pipes due to heat fatigue of the metal. p. 50.
- Gorbachevskiy, V.V. - Operation and repair of the Sh-50 mill. p. 52.
- Gaba, E.S., Krasnopol'skiy, E.A., Petrushevskiy, I.N. - Some special features of the use of RVA-62 (UBK-3) automatic excitation controllers for synchronous compensators. p. 53.
- Dikmarov, S.V. - Use of networks with group disconnector in the electrical systems of factories. p. 55.
- Chekhovoi, I.U.N. - Adjustment of equipment used in continuous recording and measurement of the amplitude of the vibration of bearings. p. 57.
- Lamin, P.Z., Kul'kov, B.A., Volovik, E.P. - Self-start system of low-voltage electric motors. p. 60.
- Gol'stem, V.A. - Development of nuclear power engineering. p. 61.
- Sekunda, A.T., Shadil', A.A. - Circular combustion chambers of gas turbine systems. p. 64.
- Madoian, A.A., Maksimova, V.I. - Increasing the reliability and power of the equipment of thermal electric power plants. p. 70.
- Logvinova, N.A. - Use of computer techniques in power engineering. p. 72.
- Indychenko, I.U.F. - Experience in the operation of large thermal electric power plants. p. 73.
- Kashprovskiy, S.E. - Conference of the workers of relay protection units of the power systems of the Ukrainian S.S.R. p. 73.
- Vnukov, A.K. - Remark on A.A. Madoian's book "Calculation of the expenditures of heat and electric power during nonsteady operation of high-pressure boilers." p. 74.

**ENERGOKHIZIAISTVO ZA RUDEZHOM; prilozhenie k zhurnalu "Elektricheskie stantsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES; Supplement to the Periodical "Electric Power Stations"].** Issued by Gosudarstvennoe energeticheskoe izdatel'stvo [State Power Engineering Publishing House]. Moscow, no. 2, Mar.-Apr. 1965.

**IADERNOE PRIBOROSTROENIE [NUCLEAR INSTRUMENT MANUFACTURE].** Moscow, no. 1, 1964.

**Table of contents translated:**

- Rogushin, I.I. - Normalization of pulse height spectra. p. 5.
- Rogushin, I.I. - Effect of the input intensity on the distortion of pulse height and time-delay spectra in measuring pulsed radiations. p. 24.
- Rogushin, I.I. - Study of time-delay spectra by means of an AI-50-2 analyzer. p. 31.
- Golosovskiy, A.M., Kreidlin, I.I. - Optimum threshold measurements of a nonstationary process by means of an intensifier. p. 38.
- Kurochkin, S.S. - Measuring characteristics and testing methods for n-dimensional analyzers. p. 44.
- Glagolev, V.P., and others. - System for measuring the space-time intensity distribution of random events. p. 58.
- Krasnolinnikov, I.S., and others. - Small-size 128-channel pulse analyzer. p. 77.
- Salichko, V.N., Lovanov, V.I. - Simplified arithmetical attachment to the AI-2048 analyzer. p. 101.
- Rogushin, I.I., and others. - Automation of the programming and outlet of information in multi-channel pulse height analyzers. p. 110.
- Kozyr', A.I., Kuznetsov, K.F., Rogushin, I.I. - Magnetostrictive delay line used as memory device for a multichannel analyzer. p. 118.
- Ryzhov, N.V., Skatkin, V.M. - Multichannel pulse counter with a general memory device on ferrite cores. p. 125.
- Babichenko, S.I., Utekhin, A.P. - Logging gamma spectrometer with a wide dynamic range of analyzable energies. p. 132.
- Zhernov, V.S., and others. - The electronic commutator. p. 138.
- Murashov, E.P., Zhernov, V.S., Nabatnikov, A.A. - Pulsed linear logarithmic amplifier. p. 151.
- Zhernov, V.S., Murashov, E.P., Nabatnikov, A.A. - Linear intensifier of counting speed varying by three orders of magnitude. p. 160.
- Kozyr', A.I., Rogushin, I.I., Fishbein, V.L. - Pulse train generator. p. 168.
- Kuznetsov, K.F., Sel'dyakova, N.A., Petrova, L.F. - Multichannel source of pulsed power supply for transfluxor circuits. p. 169.

**NOVOCHERKASSK, NAUCHNO-ISLEDOVATEL'SKII INSTITUT ELEKTROVOZOSTROENIA. Sbornik nauchnykh trudov [SCIENTIFIC RESEARCH INSTITUTE OF ELECTRIC LOCOMOTIVE DESIGN AND CONSTRUCTION. Papers].** Vol. 5, 1964. Contents: Alkin, R.I., and others. [VL80 electric locomotive] Elektrovoz VA80. 233 p.

**RADIO.** Organ of Ministerstvo s' lazii SSSR and Vsesoyuznoye dobrovol'noye obshchestvo soderzhatel'noy, aviatssil' i floty [Ministry of Communication of the U.S.S.R. and of the All-Union Voluntary Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 4, Apr. 1965.

Table of contents translated  
Unprecedented feat in outer space p. 1  
Clubs are the organizers of radio amateurs p. 2  
Galkin, D. - Lenin's voice remains with us p. 4  
Nikolaenko, A. - As disclosed by the documents p. 6  
Shatunov, G. - Jointly with the people and the army p. 8  
Bunsel', R. - Soldier of an invisible front p. 10  
Dogadin, V. - Fortieth anniversary of wire broadcasting p. 12  
Korotkov, B. - Indifference is a dangerous enemy p. 14  
Kotlarov, N. - In the homeland of Il'ich p. 15  
Short and ultrashort radio waves p. 16  
Kazanskii, N. - There is still time p. 18  
Kuntskii, N. - Transmitter with plate self-modulation operating on 28 Mc p. 21  
Aleksakov, G. - Channel switch and video amplifier of a transistorized television receiver p. 24  
Kharchenko, K. - Antenna with high directivity p. 26  
TSyganova, L. - Electric motors manufactured by the El'fa factory p. 27  
Danilov, V., Nelyov, G., Tat'yanov, V. - The "Kazakhstan" and "Kazakhstan-2" radio receivers p. 31  
Amosov, A., and others - The "Neva-2" transistor radio p. 34  
Morozov, V. - Some tunnel diode circuits p. 37  
Machinskii, V., Shit'man, V. - Transistorized smoothing filters p. 41  
Gorlunov, N., Ovechkin, I., Savchenko, A. - Special features of the use of transistor devices p. 44  
Krasutsev, E. - Transistorized electric thermometer p. 47  
Kushner, M., Iushkov, V. - High-speed multichannel commutator p. 49  
Vederkin, A. - Capacitance measuring device p. 51  
From abroad p. 54  
Reference sheet p. 57  
Our consultations p. 60  
Leon'ev, V. - About a new book and its author p. 63.

No. 5, May 1965.

Table of contents translated  
Great victory of a great people p. 1  
Gif, A., Mstislavskii, A. - Soldiers of the air p. 3  
Getman, A. - Patriots guarding the homeland p. 7  
Pustsev, N. - Present and future of Soviet radio engineering p. 9  
Shkurakov, V. - The "TU-1" teaching machine p. 13  
Lvov, V. - A miniature radio receiver p. 16  
Aleksakov, G. - Transistorized television stages p. 17  
Fonarev, A. - Three-band transmitter p. 20  
Vorob'ev, S. - The "Lisov" radio receiver p. 24  
Distant radio stations p. 26  
Soon to excel the best ones in the world p. 28  
Ponimanskii, V. - The "Symphony" radio-phonograph combination p. 30  
Ivanov, V. - Attachment for transcription p. 35  
Meshkov, N. - Transcription with "Dnep" series magnetic tape recorders p. 36  
Kazanskii, N. - "People's laboratory" in action p. 38  
Pillakian, A. - Composite video amplifiers p. 39  
Zel'din, E. - A hybrid stage p. 41  
Rumiantsev, A. - Magnetic tape recorder and telephone combination p. 42  
Budemyl, A., Bat', S., Vishniakov, A. - Portable transistorized superheterodyne p. 43  
Dolgov, V., Margachev, A., Pupko, I. - The "Golos-8" voice tone device p. 45  
Kleimenov, A., Shiriaev, I., Saprokhin, V. - The "Elektron-2" receiver p. 47  
Likhachev, M., Sergo, V. - Miniature receivers p. 49  
Kikuchnikov, A. - Birth of a micromodule p. 50, 52  
Morozov, V., Sonin, M. - Field (channel) transistors p. 53  
Gorlunov, N., Ovechkin, I., Savchenko, A. - Operational characteristics of transistor devices p. 55  
Chernyshev, R. - A d.c. millivoltmeter p. 57  
Our consultations p. 60  
In foreign countries p. 62.

\***RADIOTEKHNIKA I ELEKTRONIKA** [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 10, no. 4, Apr. 1965.

Table of contents translated:  
Barsukov, I. K. - Correlation function and the spectrum of sinusoidal oscillations during sudden frequency and phase changes p. 595  
Sodin, L. G., Mogul'skii, E. Z. - Statistical characteristics of field fluctuations of the distant zone of an antenna lattice p. 603.

Rozenberg, V. I. A. - Evaluation of the similarity of distribution laws p. 610  
Finkel'shtein, M. I. - Construction of the transfer characteristics of comb filters p. 614  
Nikol'skii, V. V., and others. - Design of a square waveguide with a longitudinally magnetized ferrite using an eigenfunction method p. 618  
Volkov, A. S. - Calculation of a high-frequency magnetostriction converter p. 626  
Adonina, A. I. - Effect of a magnetodielectric on a field scattered on a grid with random incidence of a wave p. 635  
Zabolotnikov, I. U. P. - Determination of the reflection coefficient during the incidence of an H<sub>10</sub> wave on a nonsymmetrical diaphragm in a rectangular waveguide with a dielectric plate p. 642  
Akhanov, S. A., Dmitriev, V. G., Modenov, V. P. - Theory of frequency multiplication in a resonator filled with a nonlinear medium p. 649  
Gildenburg, V. B., Kondrat'ev, I. G. - Diffraction of electromagnetic waves on limited plasma with space dispersion p. 658  
Rivlin, L. A. - Negative resonant absorption of an electromagnetic signal in a medium with two pairs of equidistant levels p. 665  
Karlov, N. V., Marthosian, R. M. - Circuit of a maser with coupled cavity resonators p. 673  
Gazazian, E. D., Laziev, E. M. - Point charge radiation in a waveguide with laminated dielectric filling p. 676  
Loshakov, L. N., Ol'derogge, E. B., Pchel'nikov, I. U. N. - Possibility of obtaining a negative depression coefficient in a traveling-wave tube p. 681  
Rezikan, A. M., Agababian, K. G., Markosian, M. G. - Steady-state characteristic of a magnetron diode p. 689  
Avak'iants, G. M. - Impurity theory of active and reactive properties of p-n junctions in semiconductors p. 693  
Purshkhanidze, A. A., Stafev, V. I. - Current control of a four-layer structure using a field in the base region p. 700  
Ivanova, E. A., Nasledov, D. N., TSarenkov, B. V. - Electric properties of diffusion p-n junctions in gallium arsenide. Direct branch of the voltage-current characteristic p. 703  
Ivanova, E. A., Nasledov, D. N., TSarenkov, B. V. - Electric properties of diffusion p-n junctions in gallium arsenide. Reverse branch of the voltage-current characteristic p. 715  
Leiderman, A. I., Karageorgil-Alkalaev, P. M. - Contribution to the theory of a semiconductor diode with an antihairier rear contact p. 720  
Bordina, N. M., and others. - Effect of the spreading-out resistance on the load characteristic of silicon photocells with different current take-off possibilities p. 727  
Berkovich, S. I. A. - Self-oscillations in a superconductor shunted by a normal conductor p. 736  
Kucherenko, E. T., Ivorenkii, I. A. - Study of the operation of pressed cathodes under gas discharge conditions p. 741  
Zvaghintsev, B. N. - Some statistical characteristics of the second derivative of the envelope of a normal random process p. 749  
Bondar, L. N., and others. - Measurement of the atmospheric absorption of radio waves in the S-band p. 755  
Gekker, I. R., and others. - Study of a corrugated converter of the H<sub>01</sub> wave to E<sub>11</sub> in a round waveguide p. 756  
Fedorenko, A. I., Timirev, N. P. - Propagation of nonsymmetrical waves along a conical helix with variable parameters p. 760  
Zabolotnikov, I. U. P. - Determination of the amplitudes of higher-type waves in the incidence of an H<sub>10</sub> wave on a symmetrical diaphragm in a rectangular waveguide p. 762  
Nefedov, E. I. - Thin nonuniform dielectric plate in a wide waveguide p. 764  
Korolev, F. A., Gridnev, V. I. - Radio-optical multibeam interferometer with diffraction mirrors on thin dielectric films p. 767  
Klimenko, I. S., Fedorov, V. B. - Optimum pumping in a maser p. 768  
Danova, V. A., Mustel', E. R., Parygin, V. N. - Toroidal cavities with ADR crystals; light modulators p. 770  
Rozhkova, G. I. - Quantum approach to a synchronous parametric system p. 773  
Zil'berman, P. E. - Quantum evaluation of the effect of free charge carriers on the field of a degenerated p-n junction p. 774  
Abdullaev, G. B., Iskenderzade, Z. A., Dzhasarova, E. A. - Reactive properties of silicon diffusion p-n junctions p. 776  
Starik, A. M. - Cathode field of an anomalous glow discharge in a waveguide p. 779  
Mesiata, G. A., Vorob'ev, P. A., Bychkov, I. I. - Gaps in high-voltage nanosecond pulse systems p. 780.

Vol 10, no. 5, May 1965.

Table of contents translated:  
Seventieth anniversary of the invention of radio p. 787  
Zveiev, G. M., Prokhorov, A. M., Shevchenko, A. K. - Masers and lasers with optical lighting p. 788  
Blatyi, L. I., Alzenberg, V. I. - Noiseproof feature of communication systems with instantaneous compensating of signals p. 804  
Basharinov, A. E. - Asymptotically optimizing procedures in optical pattern cognition p. 812  
Fleishman, B. S. - Parallel decoding for a discrete channel with noise p. 817  
Sosulin, I. U. G., Stratonovich, R. L. - Optimum detection of a diffusion process in white noise p. 827  
Zhukov, V. P. - Dispersion of the number of zeros in narrow-band normal noise with finite duration p. 839  
Gubonin, N. S. - Fluctuations of the phase front of a wave reflected from a complex target p. 844  
Stefanuk, V. L. - Choice of modulation in the transmission of binary signals in the optical band p. 852  
Bass, F. G., Blukh, P. V., Fuks, I. M. - Statistical characteristics of a signal scattered by randomly moving radiators on a plane boundary surface p. 859  
Ginzburg, V. M., Maipov, A. - Electromagnetic waves in a plane waveguide with nonhomogeneous isotropic plasma p. 868  
Nefedov, E. I. - Dielectric prism in the band of a plane wide waveguide p. 879  
Voronov, I. U. I., Pollakov, I. V. - Study of oscillatory processes in networks with several series connected tunnel diodes p. 890  
Slobodeniuk, G. I., Khotuntsev, I. U. L. - Conversion of a parametric amplifier by means of bias control and amplitude pumping of the diode p. 898  
Lebedev, V. I. - Special features of transistor circuits in microwave operation p. 903  
Zaitsev, A. A., Leonov, G. S. - Study of moving strata in a d.c. discharge p. 913  
Der-Shtayts, G. V., Rachkov, V. P. - Some electron-optical features of two-slot lenses p. 922  
Pollakova, G. N., Popov, A. I., Fogol', I. A. M. - Study of amplitude pulse distributions at the output of a photoelectric multiplier p. 929  
Dubinskii, B. A. - Treatment of signals using a sequential approximation technique p. 936  
Kokurin, I. U. L., Kovra, I. U. A., Sukhanovskii, A. N. - Method for measuring the north-south component of the refraction of microwaves in the ionosphere and the optical strata gradient p. 939  
Vasil'ev, E. N., Sorogina, A. R., Kamenev, V. G. - Excitation of a thick cylinder with conical ends p. 940  
Bogdanov, G. B., Voronov, I. U. K. - One method for designing waveguides with ferrites and a high reaction p. 943  
Smorgonskii, V. I. A., Kovshov, A. I. - Carrying capacity of an elliptical waveguide operating in the H<sub>11</sub> mode p. 945  
Gos'kov, P. I., Bezmaternykh, L. N. - Experimental study of a system "opposing rows of plus" p. 947  
Goncharonko, A. M. - Contribution to the theory of cylindrical waves in anisotropic media p. 949  
Zaitsev, A. A., Shvilkin, B. N. - Hysteresis in the phenomena of helical unsteadiness of a positive column in a magnetic field p. 951  
Vlasov, S. N., Talanov, V. I. - Confocal resonator with an arbitrarily placed diaphragm p. 953  
Troitskii, I. U. V. - Method for measuring losses in an optical cavity p. 954  
Klement'ev, V. M., Kolomnikov, I. U. D. - Laser with cylindrical mirrors p. 956  
Chebotarev, V. P., Pokasov, V. V. - Operation of a He-Ne laser with discharge in a hollow cathode p. 958  
Sokolov, I. P. - Effect of field disturbances on periodic electrostatic focusing p. 960  
Kukushkin, V. V. - Use of a tunnel diode as a noise generator in measuring the parameters of a tunnel mixer p. 963  
Kuz'min, V. A. - Response time of a transistor with a wide base p. 966  
Shinkarenko, V. G. - Methods for measuring the parameters of a mixer using a tunnel diode p. 968  
Bondarenko, B. V., TSukrov, F. G. - Thermionic properties of a tungsten-hafnium system p. 971  
Ermakov, S. V., TSarev, B. M. - Thermionic properties of a samarium, europium, and gadolinium hexaborides p. 972.

**REFERATIVNYI ZHURNAL AVTOMATIKA, TELEMATIKA I VYCHISLITEL'NAIA TEKHNKA** [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965. Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964]

REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1965.

REFERATIVNYI ZHURNAL: ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS: ELECTRICAL ENGINEERING AND ELECTRIC POWER] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNYI ZHURNAL: YADERNYE REAKTORY [JOURNAL OF ABSTRACTS: NUCLEAR REACTORS (Separate Issue 50)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus], Novosibirsk, vol. 7, no. 7, 1964.

Table of contents translated

- Ivanov, V. V. - Calculation of the inductance of electric stages and coils containing ferromagnetic objects p. 771
- Ivanov, E. M., Pukhova, V. E. - Surface effect in cylindrical ferromagnetic bodies p. 781
- Barannik, O. V. - Graphical design of three-phase electric arc furnaces p. 797
- Gurlik, V. F. - Transliterated arithmetical unit of a control computer based on a digital differential analyzer p. 804
- Egorov, S. V. - Construction of models with periodic alternatives for solution p. 814
- Urmanov, R. N., Pavlov, I. F. - Special features of the sequential operation of transformers with counter connected windings p. 826
- Anisichenko, E. I., Kirpichnikov, V. M., Sionov, N. S. - Use of an electric integrator in calculating stray fields of the rotor of a synchronous machine p. 837
- Egorov, B. A. - Study of electromechanical transient processes of frequency controlled synchronous-reactive motors using electronic modeling devices p. 848
- Bellaev, F. Kh. - Possibility of increasing the actual power coefficient of three-phase asynchronous motors by means of forced rotor oscillations p. 858
- Teniakov, E. I. - Calculation of the parameters of a transistor in saturation p. 868
- Repnikov, A. V. - Realization of optimum processes in relay systems using additional couplings in respect to an optimized error signal magnitude p. 877
- Tsokanov, V. V. - Reversible collectorless d.c. drive with a transistor commutator p. 880
- Elkin, S. N. - Effect of the deviation from standards in the manufacture of NB-412M traction motors on their commutational characteristics p. 893
- Gitel'son, S. M. - General solution of a problem on the optimum distribution of condensers in systems consisting of transformer-main line blocks p. 901
- Galsenuk, B. S. - Use of continuous fractions in the study of transients in systems with delay p. 908

Vol. 8, no. 3, 1965.

Table of contents translated:

Zakharuta, V. P., Simonenko, I. B., Udovich, V. I. - Approximation method for calculating the capacity of conductors on a dielectric layer p. 247

- Gostev, V. I. - Integrating devices with operational a.c. based on the deduction principle p. 254
- Ivanov, E. M., Pukhova, V. E. - Calculation of the surface effect phenomena in solid ferromagnetic cylinders p. 281
- Kazovskii, E. I., Rubisov, G. V., Safarov, G. M. - Use of a digital computer in the calculation of transient processes of a synchronous motor with short-term interruption of power supply p. 270
- Bellaev, I. P. - Calculation of the heating of an electric Peregudov, V. V. - Mechanical characteristics of an asynchronous three-phase motor with a capacitor in the rotor circuit (series connection) p. 332

- Shukshunov, V. E., Fandeev, E. I. - Determination of the coefficients of transfer functions of heat receivers p. 336
- Chernikov, G. B. - Method for improving the operation of the performance of the electronic excitation system of a large hydrogenerator p. 342
- Churkin, V. M. - Transient processes in closed systems with second-order pulse-width modulation p. 345
- Feilov, S. S., Chernoplatov, N. I. - Investigating the operation of an asynchronous motor with non-symmetrical fractional winding p. 350
- Linkovskii, Zh. B. - Calculation of the process of cal machine using an equivalent heat network method with cooling air split on a number of sections p. 281
- Aizamastev, D. A., Rudnitskii, M. P. - Use of elliptical functions in the analysis of the dynamic stability of synchronous machine p. 291
- Antonov, M. V., Radin, V. I., Troshin, V. N. - Use of the third harmonic of the field for the excitation of synchronous generators p. 300
- Bitlitskii, I. B. - Calculation of the inductance of a groove in presence of damping p. 306
- Timurdzhi, V. G. - Selection of a protection system and method for its setting during short-circuits in a silicon rectifier p. 316
- Savasteev, V. G. - Construction of optimum amplitude-phase and logarithmic frequency characteristics with a given transient process p. 324
- restoration of the operation of systems with multiple action in the theory of reliability p. 354
- Iuferov, F. M., Kolenikov, V. P. - Synchronous reactive motor with improved start and operational characteristics p. 356
- Beletskii, Z. M. - Expedience of dividing the winding of a transformer in the calculation of overvoltages using computers p. 360

Vol. 8, no. 4, 1965.

Table of contents translated:

- Doroshuk, G. P., Kravchenko, A. I. - Reliability of systems with given statistical characteristics of their quality and applications p. 367
- Domina, F. A. - Construction of an analog computer for studying the slippage of diesel locomotive p. 378
- Kononenko, E. V. - Comparison of three-phase synchronous-reactive, synchronous and asynchronous motors p. 393
- Rotkop, L. L. - Study of the dynamic processes of an asynchronous electric drive with a saturable reactor using an analog computer p. 402
- Kuzik, P. I. - Effect of the nonlinearity of the mechanical characteristics of regulated induction motors on their operating characteristics p. 412
- Ziablov, R. P. - Distribution of the realization of telemechanic data transmission flows with discrete communications p. 421
- Protod'yakonov, A. M. - Continuous multifrequency control of the composition and state of molding materials p. 431
- Anishevo, S. D. - Formation of a multifrequency angle with consideration for information quantity p. 437
- Anklimov, V. L., Il'in, O. P. - Analysis of feedback systems in automated electric drives p. 441
- Belovidov, B. S. - Electric drives of the basic mechanisms in coal mining p. 450
- Bogachuk, I. N., Borezluk, B. S. - Measurement of the temperature of the winding of the armature of a traction motor under operating condition p. 456
- Riaguzov, V. G. - Delay control unit p. 467
- Kravchenko, A. I., Kravchenko, M. I. - Use of a digital computer in solving a problem on the cognition of a logical image described by discrete information p. 472
- Iaroshovich, S. V. - Modeling of an optimum control system of a blooming mill drive p. 474
- Korbasov, A. S. - Current distribution between brush holders of the same polarity in electric traction motors p. 477
- Vorob'ev, A. A., Moskalov, V. A. - Development and use of betatrons in socialist countries p. 480

\*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Radio Engineering], Moscow, vol. 8, no. 1, Jan.-Feb. 1965.

Table of contents translated:

- Grigorin-Riblov, V. V. - Pulse generators with four-terminal feedback networks p. 3
- Lipunov, N. V., Shein, A. G., Tereshchenko, A. I. - Calculation of nonuniformities in waveguides using the Lorenz lemma p. 11
- Kulikov, E. I., Il'in, V. S., Il'in, V. K. - Design of irregular waveguides using the "equivalent resonator" method p. 18
- Sakukhov, F. L. - Calculation of optimum potential distribution of the electron gun of low-noise traveling-wave tube p. 21

Vorob'ev, E. A. - Highly directional antennas with variable aperture and signal processing after frequency conversion p. 35

- Belantsev, A. M., Bogatyrev, I. K. - Calculation of nonlinear pulse shaping lines with ferrites p. 41
- Terschenko, A. I., Dolzhikov, V. V. - Choice of the optimum form of a multiwave rectangular waveguide transition p. 48
- Semenov, G. F. - Approximate method for designing resonators with a dielectric p. 55
- Plotnikov, E. M. - Transfer functions of some tuned systems for small phase perturbations of the input voltage p. 65
- Grankin, I. M., Ishchenko, V. A. - Errors in the measurement of phase shifts at microwave frequencies using some interference-type systems p. 72
- Kovalev, I. S. - Calculation of the field of a symmetrical air-filled strip line in steady operation p. 78
- Chaikovskii, V. I. - Energy spectrum of a sum of lagging stochastic signals p. 87
- Shlamberger, G. A., Gelfand, V. D. - Selectivity of a synchronous detector with a preliminary filter p. 89
- Sablin, E. S. - Analytical calculation of the transfer coefficient of a chain of series connected three-waveguide directional couplers p. 93
- Ulanovskii, I. V. - Method and techniques for the experimental study of the interference rejection of automatic phase frequency control p. 98
- Korostelev, G. N. - Consideration of the thermal velocities of electrons under steady conditions of centrifugal-electrostatic focusing p. 99
- Vorob'ev, E. A. - Experimental study of highly directional zonal reflecting systems forming fan-type radiating patterns p. 103
- Dokrinekaja, A. A., Komik, V. V. - Ferrite capacitance-type transducer-converters p. 105
- Molebnyi, V. V. - Effect of reflections on the accuracy of the measurement of group delay time p. 108
- Sablin, E. S. - Use of a mirror images technique in the calculation of the scattering matrix of a slotted waveguide bridge p. 111
- Sokolov, V. A. - Calculation of the pump network of an inductive parametron p. 116
- Shubarin, I. V., Magda, A. N. - Slot radiator with ferrite controlled polarization p. 119
- Gladyshev, G. I., Egorshin, I. A. - Accuracy of the determination of permeability and specific inductive capacitance using the method of two places p. 122
- New books p. 124
- M. S. Neiman on his 60th birthday p. 127

\*VESTNIK SVIAZI [COMMUNICATION REVIEW] Issued by Ministerstvo sviazi SSSR and Tsentralfnyi komitet Profsojuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways] Moscow, vol. 25, no. 3(300), Mar 1965.

Table of contents translated:

- Pavlov, N. D. - In the last year of the seven-year plan p. 1
- Dem'ianchenko, G. V. - Prospects of measuring techniques in long-distance wire communication lines p. 3
- Abramo, V. I., Esina, T. M. - Conversion of V-60-S equipment to operation with d.c. power supply p. 5
- Kulikov, A. F., Pochalov, S. E., Levin, M. I. - Device for measuring the width of the radiation band of radio stations p. 7
- Plotnikov, V. G. - Contactless electromagnetic clutch p. 10
- Kameneva, A. M. - Use every means to disseminate the work practices of the efficiency experts p. 12
- Panteleenko, A. A., Livshits, E. A. - We are improving technological processes in processing telegrams p. 14
- Velikina, M. T. S., Mitina, S. I. - Practice of using operating and technical sections in servicing wire broadcasting and communication systems p. 15
- Krausnitskaja, A. A. - Experience in the organization of delivery service in a telecommunication center p. 17
- Zolotov, V. A., Razuvaeva, O. G. - To keep the subscribers satisfied p. 18
- Papinko, I. G. - There should be no complaints about one's work p. 21
- Chukovskii, V. M. - Working conditions of communication workers should receive continuous attention p. 22
- Starodubtsev, I. S. - Accidents can be prevented p. 24
- Arutunov, A. N. - For high quality in work p. 24
- Mechanization of work processes in postal service is a problem of utmost importance p. 26
- Golomb, G. E. - Financial conditions of telecommunication enterprises should be continuously improved p. 27
- Public inspection of innovations and efficiency measures in telecommunication enterprises p. 28

Results of a competition on the best suggestions. p. 28.  
Automated post office p. 30  
For the timely fulfillment of the seven-year plan and  
high quality of work. p. 31

Vol. 25, no. 5(302), May 1965.

- Table of contents translated:  
Toward continued development of Soviet radio engineering. p. 1.  
Gorokhovskii, A. V. - A problem of gigantic importance. p. 3.  
Plestov, K. M. - Soviet communication workers in the fight for their homeland. p. 6.  
Perelstentiy improve working conditions in telecommunication enterprises, Sixth Plenum of the Central Committee of the Trade Union. p. 8.  
Bukhviner, V. E. - Synchronous start-stop regenerator for radio communication. p. 12.  
Severin, A. M. - Prevention of distortions in radio-telephone communication lines. p. 15.  
Razumov, L. D., Raskovskii, L. V. - Shielding of wire broadcasting circuits from high-voltage lines. p. 16.  
Solovet, A. I. A. - Television center of Leningrad. p. 19.  
Afanas'ov, P. V. - Completion of wire broadcasting networks in White Russia. p. 22.  
Olehnik, V. P. - For the inhabitants of Novosibirsk. p. 23.  
Shamshin, I. A. - Development of wire broadcasting in Moscow. p. 24.  
Shtelnik, L. I. - Improvement of the technical means of radio relay systems. p. 25.  
Pushkov, A. A. - Collective farms and state farms should be provided with outstanding telephone service. p. 26.  
Matukhevich, A. E. - Support stations on postal routes. p. 28.  
Dummer, M. A. - An outstanding collective of radio operators. p. 29.  
Rasin, B. I., Uryalov, V. A. - Destiny of a patent. p. 31.  
Information. p. 32.

ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD]. Moscow, nos. 3, 5, Mar., May 1965.

#### f INDUSTRIES & TRADES

BUMAZHNAIA PROMYSHLENNOST' [PAPER INDUSTRY].

Organ of Gosudarstvennyi komitet po lesnoi, tseliulozno-bumazhnoi, derevoobrabatvayushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i derevoobrabatvayushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, no. 1, Jan. 1965.

Table of contents translated:  
Editorial: Final year of the seven-year plan. p. 1.  
Reduce the time of the putting into operation of the productive capacities. p. 3.  
Nikitin, I. A. V., Ellashberg, M. G. - Changes in molecular weights of lignosulfonic acids in the process of sulfite pulping of spruce wood. p. 4.  
Eldin, I. A., Rozenfeld, G. Z., Karasik, S. S. - Modernization of the headboxes of papermaking.

Gotikov P. P. - Sulfite hemicellulose

- Increasing the  
ite pastes for the

- Decontamination  
tion department of

temperature in peri-  
ect heating. p. 17.  
Heat absorbers  
heet. p. 21.  
hydroheaters. p. 21.  
tics of the manufac-

ia, G. A. - Base  
renger sheets. p. 25.  
"bundle-breaking  
ating pulpwood,

lympan belts in the

enko, T. I. U. -  
mical processing of  
27.

re U.S.S.R. in wood-  
63. p. 30.

No 4, Apr. 1965.

- Table of contents translated:  
Pay special attention to high quality in production p. 1.  
Milov, B. G. and others. - Technical Indices of woodpulp for the production of condenser paper with low dielectric losses. p. 3.  
Tovbin, B. M. - Cold alkali process for the production of chemical woodpulp. p. 6.  
Klimova, I. U. N., and others. - Synthetic fatty acids in the production of machine-coated paper. p. 9.  
Kotov, V. S., Iakovlev, V. I. A. - Ways to reduce ash content of viscose cellulose. p. 11.  
Polapenko, A. P. - Biological purification of waste waters in the Zhidachov Combine. p. 15.  
Teplifikaita, R. A. - Use of a calcium-sodium base in the cooking of woodpulp. p. 17.  
Molochkov, A. S. - Inclined tank for the preparation and storage of salt solutions. p. 19.  
Kiselev, S. S. - Increase the reliability and stability of the performance of knives and knife sets of score cutters. p. 20.  
Losev, P. P. - Determining the efficient degree of the modernization of machinery. p. 23.  
Moskalev, N., Starovoirov, I. - Manual on the establishing of technical norms in woodpulp manufacture p. 31.  
Import of equipment for the woodpulp and paper industry insert. pp. 2-3.

\*DEREVOBRABATVAYUSHCHAIYA PROMYSHLENNOST' [WOODWORKING INDUSTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tseliulozno-bumazhnoi, derevoobrabatvayushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravleniye NTO bumazhnoi i derevoobrabatvayushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 14, no. 4, Apr. 1965.

- Table of contents translated:  
Gavrilov, F. T. - Ways for further technological progress in the sawmilling and woodworking industry. p. 1.  
Novikov, S. V. - Provide greater variety and improve the quality of furniture at Leningrad enterprises. p. 3.  
Malakhov, M. P. - Mechanizing the assembly of the three-layer veneer bundles for gluing. p. 6.  
Tarshis, I. U. D., Samokhvalov, I. U. I. - Veneer cutting at constant speed. p. 7.  
Vorob'ev, V. V. - Shortcomings of State Standard 4598-60 for fiberboards. p. 8.  
Kozel'tsev, L. I. - Pressing particle boards with "gas stroke." p. 9.  
Muzalevskii, V. I. - Automatic measurement of the moisture of rotary-cut veneer in a roller dryer. p. 11.  
Popov, I. U. P. - Calculating the optimal conditions of operation for polishing machines. p. 12.  
Minin, A. E., Vikhorev, B. A. - Some characteristics of the electric painting of wood. p. 15.  
Survey of the research work of the All-Union Technological Institute of Furniture Planning and Design carried out in 1964. p. 16.  
Khitrinov, D. F. - We are raising the technological level of production and improving the quality of furniture. p. 17.  
Plotnikova, G. P., Mirkovich, R. A., Shklier, M. M. - Coating on the basis of polymethyl methacrylate latex for finishing door boards from particle boards. p. 21.  
Ivanov, A. I. - Sawing logs for ski stock. p. 23.  
Zakharenko, I. P., Evseev, A. F. - Grinding wood-cutting tools using synthetic diamond wheels. p. 24.  
Ioffe, A. L., Dmitrieva, G. A. - Reducing the loss of fiber in the manufacture of fiberboards. p. 26.  
Kalmaykov, P. P., Chaika, V. V. - Four-roller polishing machine. p. 27.  
Fetishchev, B. I. - Mechanized production line in sawing particle boards. p. 28.  
Kopelkin, B. A., Sergeev, E. E. - Textbook on the organization and planning of production. p. 29.  
Semenov, A. I., Bokachanin, I. U. R. - International symposium on sawmilling. p. 30.  
Volumetric and weight proportioning of ground wood and binders in the manufacture of particle boards. p. 33.

KHARCHOVA PROMYSHLOST' [FOOD INDUSTRY].

Issued by Institut tekhnicheskoi informatsii Dzerzhavnoho komiteta Rady Ministriv USSR po koordinatsii naukovodoslidnykh robot i Ukrain's'ke naukovu-tekhnichne tovarystvo kharchovoi promyshlovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of the Food Industry]. Kiev, no. 2(22), Apr.-June 1965.

Table of contents translated:  
Krasniuk, P. H. - Winemaking industry of the Ukrainian S.S.R. p. 3.

- Deineha, F. D. - Prospects of the development of the brewing and soft drinks industry in the Ukrainian S.S.R. during the period from 1968 to 1970. p. 8.  
Danilov, K. I. - Basic trends of the scientific and technical progress in the canning industry of the Ukrainian S.S.R. for the period from 1968 to 1970. p. 9.  
Dmytrash, V. V., Rovynskyi, S. N. - Automation of the boiler houses of the sugar factories of the Vinnytsia Sugar Trust. p. 13.  
Pollakov, M. F. - Modernization of the separate units of the automatic bottling and capping machines. p. 15.  
Nekhtman, A. A. - Combined electric cable and rope for the towing of electrified fishery trawls. p. 18.  
Lomakin, V. F., Butenko, B. M. - Long distance transmission of information on production indices by means of light signals. p. 19.  
Balashkin, S. V., Kipor, Z. M. - Mechanization of hauling operations in meat and fat processing shops. p. 20.  
Khehanovskiy, F. A. - Measures for the elimination of disturbances in the stillage of fermented mash from starchy raw materials. p. 22.  
Lisovenko, O. T., Rudenko-Hrytsiuk, O. A. - Characteristics of the thermal conditions of the Klu-20 oven. p. 23.  
Harbarenko, V. H., IEvseichuk, B. I. - Some potentials for the improvement of the production of baker's yeast. p. 26.  
Protsenko, O. L. - Effect of the methods of production on the characteristics and keeping quality of creamery butter. p. 28.  
Zaitseva, N. V. - Mass production canned food. p. 31.  
Shun', F. O. - Reducing meat and fat losses during the pre-slaughtering holding of cattle. p. 34.  
Bykov, P. V. - Effect of the harvesting time of sunflower on the marketing value of seeds. p. 37.  
Dovhyi, L. M. - Potentials for the improvement of the quality of sugar beets. p. 39.  
Zinchenko, V. I. - Characteristics of the chemical composition of Transcarpathia white table wine. p. 41.  
Shul'ts, I. A. V. - Introduction of new formulas in the production of liqueur and vodka. p. 44.  
Aroslavskaya, L. D., Iakovleva, Z. O. - Canning and cooking of the Indian and Pacific Ocean variety of spotted tuna (Euthynnus affinis). p. 45.  
Ranyns'ka, I. U. I. - Development of sterilization methods for canned fish. p. 47.  
Shenderovich, I. B., Ovcharenko, V. E. - Determining the oil content of oil cake. p. 49.  
Shechokolov, V. M. - Method of cassette heating in rotary diffusers. p. 51.  
Slabnikov, V. M., Anistratenko, V. O. - Hydrodynamic and mass transfer characteristics of the spray plates of fractional and absorption apparatus. p. 54.  
Soviet certificates of invention. p. 57.  
Maksymuk, P. S. - Device for machining grooves in apertures. p. 60.  
Polin, M. N., Fadcev, A. K. - Blocking device. p. 60.  
Grushkin, M. P. - Device for automatic stopping of the A-4 cigarette packaging machine. p. 61.  
Malysh, V. V., Solop, N. K. - Drying of oilseed with gas. p. 62.  
Syganur, I. Sh., Prokopovych, O. M., Iakovtsova, H. V. - Main trends in the economic organization of oils and fats industries. p. 64.  
Lysenko, F. K. - Economic efficiency of the use of fermentation preparations in the wine industry p. 68.  
Koval's'kyi, M. I., Ilushina, L. P. - Improved manufacture of food products from skim milk. p. 68.  
Mastakov, M. M. - Scientific and technical conference of the representatives of the Ukrainian dairy industry. p. 72.  
Sulimenko, P. T. - Improving the quality and expanding the assortment of products made from potato, corn and other grain crops. p. 74.  
Lysenko, F. K. - Ukrainian seminar on the use of ferment preparations in the food industry. p. 76.  
Bilukha, M. T. - Improve the accounting and economic analysis in the enterprises of the baking industry. p. 77.

KHLEBOPEKARNIAIA I KONDITERSKAIA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY].

Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 9, no. 3, Mar. 1965.

- Table of contents translated:  
Krizhanovskii, I. S. - Confectionery industry of the Ukrainian S.S.R. during 1965. p. 1.  
Nikitinskaya, Z. V., Gurevich, G. E., Vitavskaya, A. V. - Use of whey in the making of wheat bread. p. 3.  
Zav'ialov, A. A. - Proportioning of yeast depending on its baking strength and dough formula. p. 4.  
Shpigel'glass, A. S. - Methods of proportioning of liquid ingredients. p. 9.



- Machikhin, S. A. - Effect of the moisture of boiled ring-shaped roll dough on its physical properties. p. 11.
- Burial, I. V. - Experimental determining of the lifting capacity of vacuum grab devices for confectionery goods. p. 12.
- Lur'e, I. S. - Determining the amount of reducing sugars in confectionery goods according to the 5903-58 state standard. p. 18.
- Pankova, E. A. - Methodology for determining the degree of overall mechanization and automation in the baking industry. p. 19.
- Ranov, A. A. - Planning, demand and profitability. p. 21.
- Korotkova, A. M., Gurzo, S. I. - Accounting by shifts in the Tashkent macaroni factory. p. 23.
- Abrahamson, B. S. - Use of enzyme preparations. p. 24.
- Treshchev, A. M. - New developments in the technology and equipment for the production of red rye malt. p. 26.
- Mal'isev, A. F., Batakov, S. A. - Machine for macaroni cutting. p. 27.
- Smirnova, G. P. - School of advanced practices. p. 38.
- Dubrovina, K. I. - Brazil nut. p. 38.
- Patents. p. 44.
- From newspaper pages. p. 45.
- Aleksandr Aleksandrovich Tsybul'skii. p. 46.
- Vol. 9, no. 5, May 1965.
- Table of contents translated:
- Grachev, I. I. - Training of specialists. p. 1.
- Shmul'skaya, R. V. - Need for a revision of the Regulations for Industrial Laboratories. p. 3.
- Machikhin, S. A., Machikhin, I. A. - Relaxation of stresses in the dough for ring-shaped rolls. p. 4.
- Sheherbatenko, V. V., and others. - Standardization of bread molds. p. 6.
- Shigel'glas, A. S. - Proportioning of liquid ingredients with a chamber type proportioner. p. 9.
- Heschaninov, A. G., and others. - Milk enriched bread. p. 12.
- Kobinek, I. D., and others. - Automatic proportioning scales for free flowing materials. p. 13.
- Golovko, I. A. V. - Automatic IZM-2 wrapping machine. p. 16.
- Kozlovets, V. P. - Changes in the maltase activity of pitching yeast during its growing process. p. 18.
- Kryzhanovskii, I. S. - Inadequacy of the export of confectionery goods from the Ukrainian S.S.R. p. 20.
- Pakhomova, E. N. - Using new work methods. p. 22.
- Shuleva, V. F. - In collaboration with science. p. 23.
- Ogorodnik, V. N. - Remodeled KhDF-M2 dough divider. p. 25.
- Trushkina, A. I., Sovrsk, G. I. - Use of fat-and-water emulsions. p. 26.
- Nikolaev, A. A. - Simplest emulsifying apparatus. p. 27.
- Danilov, A. V. - Lengthening the service life of the came of the SD dough dividers. p. 28.
- Grebennikov, M. I. - Unit for the preparation of emulsions. p. 29.
- Shurygin, A. P. - Mechanized bin filling with flour. p. 30.
- Osoegina, L. G., Arslanov, Z. Z. - Picheating of flour. p. 31.
- Paslyvin, A. I. - In the "M. Gor'kii" Bakery in Leningrad. p. 32.
- Druzhkov, M. S. - Continuous line for non-vacuum cooking of candy fill. p. 33.
- Chubik, I. A., Lislovskii, R. R., Klimovskii, L. S. - Intensification of the performance of VIS-42-DK dryers in the roasting of cacao beans. p. 35.
- Dralluk, V. I. A. - In the Estonian administration of the Scientific and Technical Society of the Food Industry. p. 42.
- Lombard, L. I. - All-Union seminar of the representatives of the macaroni industry. p. 43.
- Gavrilova, V. - New designs of machinery for the thermal processing of sausages. p. 18.
- Belousov, A. - Construction shortcomings of the PM-200 grinder. p. 22.
- Ageeva, V. - Prices awarded at the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 24.
- Bellacov, S. - Labor protection is the responsibility of the management and also of the public inspectors of enterprises. p. 28.
- Mitropolskii, I. - Rotary unit for block freezing of meat and by-products. p. 29.
- Slukanov, A. - Use of cash registers in weight accounting for beef carcasses. p. 30.
- Pressless method for the production of dried feeds. p. 32.
- Shevkanov, K. - Intensification of the purification of fats obtained by the hydrolysis method. p. 33.
- Blagochinov, M., Afilan, E. - New workshops for the production of dried feeds. p. 34.
- Aznikh, Z., Lalutueva, A., Morozova, M. - Experience in the operation of the "Laura" refrigerating plant. p. 35.
- Alelnikov, V. - Overhead conveyor track made with angle steel. p. 38.
- Sokolov, V. - Automatically controlled station for the transfer of waste waters. p. 39.
- Borodushko, A. - Polyethylene pans for meat curing. p. 41.
- Shneider, O. - Portable worm loader. p. 42.
- Andreev, V. - Economy and thrift are a means to increase the profitability of production. p. 43.
- Speranskii, N. - Prices are a powerful tool in economy upswing. p. 44.
- Broida, T. - Efficiency of the combined method of meat boning. p. 46.
- Tenth European Congress of the Scientific Research Institutes of the Meat Industry; annotated review of reports. p. 48.
- Sheffer, A., Saatchan, A. - Intensification of the process of meat cooling. p. 51.
- Krylova, N., Solntsev, G. - Determining tryptophan content of muscle tissues. p. 56.
- Kozich, P. - Improve the system of cattle preparation and delivery to the industries. p. 58.
- Matushevskii, V. - Use of waste products for the fattening of pork pigs. p. 60.
- All-Union conference on the development of the meat industry during the new five-year plan. p. 62.
- Inter-republic conference on the overall utilization of raw materials. p. 63.
- N. S. Chubukin. p. 63.
- MODEL SEZONA [SEASON'S FASHIONS]. Issued by Vsesoyuznyi institut assortimenta izdelii legkot promyshlennosti i kul'tury odevzdy [All-Union Institute of the Products of Light Industry and the Style of Clothing]. Moscow, no. 1, Spring-Summer, 1965.
- MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE]. Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 31, no. 4, Apr. 1965.
- Table of contents translated:
- Store state supplies of grain and grain products without loss. p. 1.
- Frolov, K. - New machinery and the mechanization of work at the "Roskholeboprodukt" enterprises. p. 3.
- Gusev, P., Pushkintsev, B. - Equipment of platforms for the postharvest processing and temporary storing of grain. p. 6.
- Gerbichenko, A. - Practices in the disinfection of corn seeds at the Kirovograd Plant. p. 11.
- Rasulev, E., Golik, M. - Characteristics of the mechanical ventilation of millet. p. 12.
- Golandskaya, I. U. - Comparative engineering and economic indices of machines for the granulation of mixed feeds. p. 14.
- Anboev, S. - Mechanized release of mixed feeds at the Tashkent Milling Combine. p. 14.
- Tesler, R. - Practices in the organization of work with an automatic loader in a railroad car. p. 15.
- Dolotov, S. - Motortruck for flour transportation adapted for grain transportation. p. 16.
- Nosachev, V. - Electric device for counting sacks on a conveying belt. p. 17.
- Gauzlik, I. - Methods for determining the cost of ear-corn at seed corn processing plants. p. 19.
- Sinev, I. - Improve the methods for determining gluten. p. 21.
- Strel'tsov, N. - We are improving machinery and the organization of work at auxiliary and servicing shops of our milling combine. p. 22.
- Kopelovich, A. - Pay more attention to the problems of material and technical supply. p. 24.
- Urazova, Z. - At the Third Plenum of the Scientific Technological Society. p. 26.
- Katsnel'son, M., and others. - Tensometric studies of the stresses originated during the scouring of rice using a scourer with rubber rolls. p. 29.
- Bardyshev, G. - Presses for the granulation of mixed feeds. p. 31, 3 of cover.
- Viktor Dmitrievich Shevtsov; an obituary. p. 3 of cover.
- Vol. 31, no. 5, May 1965
- Table of contents translated:
- For new work achievements. p. 1.
- Rabko, V. - In the drive for the title of Collective of Communist Labor. p. 3.
- Bildman, A. - From the stands of the Exhibition of the Achievements of the National Economy of the U.S.S.R. to production. p. 7.
- Kvetnyi, M. - Production efficiency promoters in the struggle for technological progress. p. 9.
- P'lanenko, V., Chernavskaya, Zh. - Practices in the use of pneumatic tubes at the pier of the Moscow Milling Combine No. 4. p. 15.
- Zinger, E. - Mixed feed mill on the "Krasnyi" State Farm. p. 17.
- Sokolov, N. - Make every effort for improving the quality of flour and technology of production. p. 19.
- Remenniy, L., Antonov, A. - New devices for the automatic control of the work of burners operating on liquid fuel. p. 24.
- Narovaikin, V. - Time relay for the drive of the gate of shaft grain dryers. p. 26.
- Stopko, A. - Practices in cleaning seed grain at the Peschanokopskoye Grain Receiving Station. p. 27.
- Meshalko, S. - Wages and bonuses; answers to questions. p. 28.
- Bardyshev, G. - At the 1965 jubilee spring fair in Leipzig. pp. 31, 3 of cover.
- REFERATIVNIYI ZHURNAL: LEGKAYA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1965. [This journal is also issued in pairs.]
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii, tekhnologiya legkot promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of Light Industry]. Moscow, no. 2(44), 1965.
- Table of contents translated:
- Ispiran, G. P. - Application of linear programming for the optimum specific utilization of raw leather material resources. Report No. 1. p. 3.
- Saganovskas, K. V., Zybin, I. U. P. - Plotting the mathematical models for linear programming in the planning of materials cutting. Report No. 1. p. 16.
- Kudin, I. M., Adamova, N. A. - Precision in the establishment of norms for fabric expenditure in the clothing industry. p. 22.
- Krasnov, B. I. A., and others. - Binary polymer mixtures for the casting of shoe sole parts. p. 28.
- Krasnokutskaya, M. E., Bronshteyn, F. V., Litvi, G. V. - Studying the properties of the SKS-30 synthetic rubber compound with high-pressure polyethylene. p. 38.
- Lisovenko, A. V., Monastyrskaya, M. S., Pavlov, S. A. - Investigating the reaction of pentaoxythritol with carboxylate latexes. p. 38.
- Bershev, E. N., Sukharov, M. I. - Classification of the defects of products obtained by means of electrostatic nap coating. p. 45.
- Goncharuk, A. Z., P. - nap piling of text.
- Trot'inkova, N. I. A. - characteristics: stretching of fab
- Petrinov, S. V., Melent' the thermoelastic coefficient thermal linear expansion
- Dmitriev, L. N., Rusak material and resolvable screens. p. 60.
- Ovrukskii, M. Sh., and combined methods of urea-formaldehyde a pounds. p. 70.
- Steshov, G. I., Golovtsev of salt on the changes in the alkaline-salt t
- Kaspar'iants, S. A., and method of electron m products of collagen obtained from them.
- Bablolan, O. O., Sheshtal affecting the process p. 88.
- Ostrovitianov, E. M., Z desigining the technol bly. p. 88.
- Skvark, V. P., Zagorod A. G. - Application o of leather shoe parts



- Radzievskii, V.A., Moiseenko, F.A. - Studying the causes of horizontal stripe formation in warp knit fabrics and ways of its elimination. p.105.
- Agapov, L.M. - Device for measuring the loop length on high-speed warp knitting machines. p.116.
- Vashchinskii, L.K. - Efficiency of outerwear knitting on cotton machines. p.121.
- Vukhnovskii, S.S., Piskorski, G.A. - Comparative analysis of feeder loading systems for shoe parts. p.124.
- Piskorski, G.A., Seminikhina, L.F. - Analysis of the optical parameters for the control of shoe part position by the surface properties. p.140.
- Sergeev, A.S., Bondar', V.M. - Dynamic characteristics of convection dryers in shoe manufacture. p.152.
- Burnistrov, A.G. - Effect of the direction of the fabric movement on the nature of the interaction of the needle with the rotating looper. p.155.
- Sergei Aleksandrovich Pavlov, scientist, pedagogue and public figure. p.162.

\*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavvedeni, tekhnologiiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Technology of the Textile Industry]. Moscow, no.1(44), 1965.

- Table of contents translated:
- Dolizhe, V.G. - Problems of the development of the textile industry in Transcaucasia. p.3.
- Berlinger, G. - Fatigue, relaxation and aging of textiles. p.8.
- Modestova, T.A. - Deformation of fabrics with equal weave tightness during uniaxial stretching in various directions. p.16.
- Zolotarevskii, L.T. - Relation between the strength and elongation of soft and sized yarn in short cuts. p.24.
- Ipatov, A.M. - Effect of the moisture of flax bast on its mechanical properties. p.32.
- Sklannikov, V.P. - Effect of weave tightness and finishing of viscose staple suiting on some of its characteristics in flexing deformation. p.38.
- Morozov, G.N. - Moisture content of flax yarn in bobbins after water removal by pressure. p.41.
- Tugolukova, V.I.A. - Effect of moisture on the changes in the strength of scutched kenaf fibers. p.47.
- Baturin, I.U.A. - Equalizing action of carding machines. p.50.
- Buturovich, I.Kh. - Equation of the changes in weight by length unit and composition of the carding in a roller carder. p.58.
- Ratiiani, N.I. - Methods and characteristics of the efficiency of fiber blending in the yarn. p.63.
- Kurkin, V.I., Lebedev, I.V. - Calculation of friction resistance during the longitudinal movement of a thread in the air. p.68.
- Manukhin, A.S. - Take-up split picks in the selvage formation on looms with a new system of weft laying. p.73.
- Urazov, N.Kh. - General principles for the classification of fabrics for consumers' use. p.80.
- Kutepov, O.S. - Concerning the wrong identification of the characteristics of the main weave types. p.85.
- Smirnov, G.M., Kostuchenko, N.T. - Experimental determining of stresses in the picking mechanism parts of looms. p.88.
- Kharkharov, A.A., Arestova, G.A. - Thermodynamic analysis of the process of azo amine dye taking-out by polyacrylonitrile fibers. p.92.
- Kliuev, V.N., Dogadkina, L.A. - Use of chlorine-containing diphenyl alkanes as active azo- and diazo-components in the formation of insoluble dyes on fibers. p.98.
- Ustinova, E.T., Volutskii, S.S. - Production of non-woven filter materials by means of the impregnation of fibrous systems with high-polymer dispersions. p.104.
- Moryganov, P.V., Zakharova, T.D. - Combining the dyeing of fabrics with active dyes with their finishing with thermosetting resins. p.111.
- Avvakumov, E.K. - Determining the amount of air entering through the thread guide into the spinning centrifugal pot rotating in a free space. p.117.
- Smirnov, V.I. - Effect of the geometric characteristic of an l/d nozzle on the length of the continuous section of the flow. p.123.
- Grinberg, B.V. - Requirements of the electric driving for the "Tekstina" type wool spinning machines. p.127.
- Rasborguev, A.K. - Contactless systems for detecting thread breakage. p.133.
- Kruchikhina, R.A. - Cleaning capacity of the brushes of wire nappers. p.136.
- Vostokmutov, S.P. - Methodology of the design for restricted torsion of a thin-walled rod fastened with bolts on its ends. p.141.
- Rovnov, I.F., Khudykh, M.I. - Effect of moisture absorption on the hardness of acid used for the manufacture of travelers. p.147.

- Mel'nikov, B.N., Prorokov, N.I., Kudriashova, A.A. - Experience in the use of organic solvents in the dyeing of cotton fabrics with sulfide dyes. p.152.
- Benevolenskii, A.M. - Analysis of the enveloping fabric of an Egyptian mummy from the Ivanovo Museum. p.158.

#### No.2(45), 1965

- Table of contents translated
- Ryeva, S.N. - Properties and utilization of the wastes from the spinning of viscose fibers and their blends with cotton. p.3.
- Liberman, A.M. - Application of the indicator of the capital yield for the characteristic of the utilization of capital assets in textile enterprises. p.9.
- Semak, B.D. - Shrinkage of summer dress fabrics of various structure and finishing. p.15.
- Kuznetsov, I.U.I., Truetsvet, N.I. - Effect of the cut length of nitron fibers on yarn properties. p.20.
- Zaretskas, G.S. - Type SD-4 instrument for determining the torsion characteristics of textile fibers. p.23.
- IAkovlev, V.V. - Application of diffraction methods for measuring the diameter of textile fibers and yarn. p.28.
- Martin, Kh. - From the experience of the statistical processing of the results of the testing and quality control of textiles in the German Democratic Republic. p.32.
- Tarulin, I.U.N. - Studying the movement of materials in a type TG-135-Low shaker. p.43.
- Volkov, I.U.V. - Wet spinning of flax directly from silver. p.48.
- Borzunov, I.G. - Ways to reduce the load on the cylinder and flats of the carder in the increase of its operative capacity. p.55.
- Karelev, S.G. - Role of the upper comb of cotton combining machines. p.61.
- Kulgin, L.A. - Application of radiation for the analysis of the contact between fibers in the products of spinning. p.66.
- Buturovich, I.Kh. - Equalizing and mixing capacity of the roller carding machine. p.71.
- Eremov, E.D. - Equations of thread winding on rotating surfaces. p.77.
- Bellaev, P.N. - Investigating the deformation of links of the basic regulator. p.82.
- Ovtsyn, N.K. - Effect of the parameters of loom mounting on the tension of warp threads. p.89.
- Erokhin, I.U.F. - Effect of the angle of winding of the warp yarn from the weaver beam on the static tension. p.96.
- Bel'tsov, V.M., Kharkharov, A.A. - Role of activators in the process of chlorine bleaching. p.101.
- Ustinova, E.T., Volutskii, S.S. - Production of non-woven filter materials by means of the impregnation of fibrous systems with high polymer dispersions. p.106.
- Liakisheva, O.B., Mel'nikov, B.N., Moryganov, P.V. - Studying the development of the technology for a continuous dyeing method of nitron with cationic dyes. p.114.
- Rebarbar, I.A.M., and others. - Selecting the optimum parameters of the mechanism for automatic Jacquard card punching. p.121.
- Kulikov, A.M. - Device for automatic weft straightening based on the changes of the elastic properties of fabrics during bias distortion. p.127.
- Zotov, P.P. - Organization of a completely mechanized dust and waste removal in textile factories. p.131.
- Pilipenko, V.A. - Investigating the air flow in the duct of a pneumatic loom. p.138.
- Shamrai, Z.V. - Moment of friction forces in the differential friction of a sizing machine and its effect on warp tension. p.143.
- Popov, E.A. - Design for critical speeds of the EVA electric spindle of acetate silk spinning machines. p.149.
- Timofeev, V.D., Khudykh, M.I. - Investigating the wear of "antiruk" plastics in connection with their use as substitutes for bronze in wet spinning machines for flax. p.155.

\*SVAROCHNOE PROIZVODSTVO [WELDING PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.], and others, Moscow, no.3(39), Mar. 1965.

- Table of contents translated:
- Astaf'ev, A.S., Navoev, V.S. - Welding of hardened low-alloy steel. p.1.
- Brodskii, A.I.A., Fridman, A.M. - Resistance welding of hardened reinforcement rods made of carbon steel. p.5.
- Liubavskii, K.V., and others. - Effect of the heterogeneity of the strength properties of welded joints on their tendency toward local fracture. p.8.
- Sakharov, A.A., Russian, A.V. - Rapid quantitative determination of the resistivity of metal to hot crack formation during welding. p.11.
- Fomina, O.P., and others. - Modeling the white streak in weldments. p.13.

- Nogin, M.V., Shmyreva, L.M. - Spot welding of hot-rolled metal without preliminary cleaning. p.15.
- Syrovatkin, A.A. - Argon-arc welding of Dr.OTS 4-4-2.5 bronze. p.17.
- Kotlytskii, A.D., Tizna, I.U.P., Monastyrskii, L.I.A. - Clean cutting of steel with low pressure oxygen. p.19.
- Shchetanov, D.P. - Flash butt welding of titanium alloy pipe. p.21.
- Shamovskii, E.Kh. - Using coke gas in the preheating flame of a machine cutter for flame cleaning. p.22.
- Ingriinskii, K.V., Gubenko, V.A. - Double arc formation during gas-arc cutting. p.25.
- Smirnov, D.A., Klementov, V.I. - Weldability of 15GL and 15GKhFL steel. p.26.
- Simonik, A.S. - Stabilization of the alternating current arc in argon arc welding of structural steel. p.29.
- Loshakov, A.M., and others. - Welding flanges to pipes simultaneously with two welds. p.31.
- Ushakov, A.I. - Mechanization of build-up welding and welding operations at a mining enterprise. p.32.
- Bachin, V.A. - Substituting starch by wood flour in welding electrodes. p.33.
- Kulikov, V.N. - Device for the remote control by a welding ballast rheostat. p.33.
- Fedorov, I.L. - Remote control of the welding transformer. p.34.
- Alekseev, A.P. - Combined tip for electric welding machines and semiautomatic machines. p.34.
- Kotliar, M.E., Shleindorf, I.U.E. - Straightening of large-size metal structures with a special hydraulic press. p.35.
- Stolbov, I.U.I., Vladimirov, V.V., Barutkin, F.G. - System for stabilizing the length of the arc in argon arc welding with a nonconsumable electrode and a direct current. p.36.
- Chugunova, G.I., Tesmenitskii, D.I. - Stationary ASK-1-63 acetylene generator. p.38.
- Shlaposhnikov, B.M., Sintskii, V.A. - Device for relieving welding stresses from the electrode holder during manual welding. p.39.
- Vasil'ov, K.V. - All-Union seminar on the use of a confined arc for welding and cutting. p.44.
- Popelkin, M.M. - Branch conference on flame machining processes in machine manufacture. p.45.
- Gul'denbalk, A.P. - In the international electrical engineering commission. p.49.
- Soviet inventions in welding. p.47.

TEKSTIL'NAIA PROMYSHLENNOST' [TEXTILE INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and Tsentrall'noe pravleniie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R. and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, vol.25, no.3, Mar.1965.

- Table of contents translated:
- Quality and more quality. p.1.
- Ustlukhin, I.I. - Development of progressive norms for raw material utilization in the woolen and worsted industry. p.6.
- Frolov, A.V. - Engineers and technical workers as active organizers of communist labor competition. p.8.
- Dikhanova, A.G. - Fabrics with reclaimed wool content. p.12.
- Vanchikov, A.N. - Twisted yarn from blends of cotton with synthetic fibers. p.15.
- Kilmanov, V.P. - Wool reclaiming from rags in Czechoslovakia. p.18.
- Sizova, A.L. - Characteristics of cotton blends with synthetic fibers and of yarns produced from these blends. p.23.
- Volkova, A.D. - Using the comb spinning system for the processing of "prelan" synthetic fibers. p.29.
- Kilbanov, S.T. - Grinding of card clothing of the take-in card cylinder. p.31.
- Lifentsava, A.S., Solov'ev, N.P. - Experimental use of fiber cross-linking in the production of bulk stretch yarn. p.32.
- Kuznetsov, K.P. - Instrument for measuring warp tension on looms. p.33.
- Konovaeva, Z.A. - Some ways of reducing yarn breakage in weaving factories. p.35.
- Ostrovskii, A.A. - Advantages of cone winding with alternating coil pitch. p.37.
- Chizhov, V.V. - Experience of the Pavlovo-Pokrovsk Factory in the adjustment of looms. p.39.
- Kal'nitskii, L.B. - Some causes of stripe in knitted fabrics manufactured on flat tang type knitting machines. p.41.
- Gaechukhina, N.A., Rapoport, K.A. - Physico-hygienic properties of goods manufactured from synthetic bulk yarn. p.44.
- Rovinskala, L.P. - Calculating the loop length and weight of jacquard weave knit goods. p.46.

- Rubashkina, L.L., Safonova, L.G. - Manufacture and finishing of hosiery made from cotton-captan yarn blends. p.50.
- Amalits, S.L. - Use of peracetic acid. p.51.
- Lobanova, L.I., Solov'ev, N.P. - Reducing formaldehyde and simple amines odor of fabrics with crease-resistant finish. p.54.
- Ivanov, A.F. - Use of "carbamol" mixtures with synthetic resins as starch substitute in permanent sizing. p.57.
- Palei, A.B., Volkov, A.I. - New universal automatic device for web straightening in fabrics. p.59.
- Staroskol'ski, A.A. - Method of printing without back grey. p.60.
- Morozov, G.V. - Some properties of vacuum metalized fabrics. p.61.
- Monakhov, I.A. - Method of fabric testing for biaxial stretching. p.65.
- Livshits, P.IU., and others. - Electronic device for moisture measurement in PIV retted flax tow. p.70.
- IAkichev, G.V. - Electric driving of carding machines. p.72.
- Bershev, E.N. - Calculating the magnitude of the charges and forces acting upon the nap during its application on the fabric by the electrostatic method. p.75.
- Kirsanov, I.I. - Intensification of the drying of fabrics on small capacity drying machines of the printing shops. p.77.
- Gumenyuk, N.U. - Some work practices of scientific research laboratories. p.81.
- Afanov, V.I., Kuznetsov, N.D. - Experimental processing of asbestos fibers blended with spun rayon. p.92.
- In the State Committee of the Light Industry and Central Administration of the Scientific and Technical Society of the Light Industry. p.94.
- Reference materials. p.95.

## Vol.25, no.4, Apr.1965

- Table of contents translated
- Romanov, A.M. - Methodology for analyzing the utilization of raw materials in the weaving mills p.1
- Pozdyshev, V.I. - Provide textile enterprises with permanent specialized personnel. p.5
- Sobolev, M.G. - Economic efficiency of the overhauling of machinery. p.8
- Konukov, P.M., Efros, B.E., Koblikov, A.I. - Characteristics of yarn and knit goods manufactured from a cotton and rayon blend p.10.
- Malt'seva, I.A., and others. - Antibacterial cellulose fibers and fabrics. p.15.
- Kassel', V.N., Protopopov, A.A. - Ways to increase the industrial capacity of the flax processing industry. p.18.
- Tarasov, S.V. - Flax dressing. p.19.
- Berezina, O.I.A. - Statistical method of production control in cotton spinning. p.25.
- Malyshev, M.M., Molin, A.N. - Device for fiber illumination on spinning and twisting machines p.27.
- Imanov, N.M., Kaziev, N.G. - Experience in substituting polyacrylonitrile for viscose fibers in suiting fabrics. p.29.
- Anipin, S.V. - Experience in the use of the KMTS preparation in the sizing of spun yarn. p.32.
- Shchapov, M.A., and others. - Determining the optimum braking load of the tension devices on winding and warping machines. p.33.
- Grishkova, L.N., Belogintsova, N.V. - Use of a size with polyacrylamide for silk warp slashing p.35.
- Malkin, Kh.Sh. - Improved automatic device for the individual exchange of comb slides. p.37.
- Sobolev, E.A. - All-Union scientific and technical seminar on the exchange of practices for an efficient utilization of raw materials in the manufacture of knit underwear. p.38.
- Tikhomirov, V.B., Gusev, V.E. - Extent of the utilization of the strength of fibers and binding agents in fiber-bonded nonwoven fabrics. p.39.
- Khatenever, I.M. - Manufacture of half-woolen interlining on AChV-V machine units. p.42.
- Efros, R.D., Sadov, F.I. - Simultaneous dyeing with dichlorotriazine dyes and finishing with synthetic resins. p.46.
- Kharkharov, A.A., Tsvetkova, V.V. - Dyeing of "vial" blended with cellulose fibers. p.49.
- Stergiu, G.K., and others. - Studying the reaction of rhodamine with cellulose in presence of cadmium salts. p.52.
- Duglin, N.I. - Possibility of using gumbrin for substituting part of the starch in sizes and thickeners. p.54.
- Komarov, L.I. - Better organization of cotton fabric dyeing with sulfide dyes. p.57.
- Gerasimova, L.S., Pakshver, A.B. - Isometric method for the evaluation of synthetic fibers. p.59.
- Kavalerchik, M.I.A. - Pneumatic conveying of combor wastes. p.63.
- Gillarevskii, S.V., Smirnova, O.I.A., Ushanov, G.P. - Modernized driving of tentering and drying machines. p.67.

- Lebedeva, N.N., and others. - Reducing the wear of spindle pins due to the continuous lubricant filtration in their bushings. p.69.
- Martynov, L.S., and others. - Problems in the analysis of the process of loop formation p.72
- From pages of textile industry periodicals published in socialist countries p.80
- Jubilee of Professor F.I.Sadov. p.93
- Korovinova, I.D. - Use of the universal decimal classification for the systematization and search of scientific and technical literature. p.94.
- Sladkov, A.Z. - Standard sets of indicators. p.95.

## Vol.25, no.5, May 1965.

- Table of contents translated:
- Faminskii, P.P., Gaskel', V.S. - Concerning the evaluation of the quality level of production p.1.
- Il'ina, N.A., Sergeeva, E.S., Konoval'chuk, M.I.A. - System for a defectless production of goods. p.4.
- Toropov, A.V. - Ways to improve the quality of yarn grades. p.6.
- Belkova, K.I., Galik, E.A., Abramov, S.A. - Efforts to improve the quality of production. p.9.
- Luzhetski, D.G. - Efficiency of the use of type P-105 pneumatic looms. p.10.
- Kokoshinskaya, V.I., Bogacheva, V.S. - Hygienic properties of all-synthetic fabrics made from high-bulk polyacrylonitrile yarn. p.13.
- Vasil'ev, I.U.V. - Characteristics of acetate and triacetate fibers. p.15.
- Drushina, T.V., and others. - Mechanical properties of fibers made from polyethylene and copolymers of ethylene with propylene. p.19.
- Nosov, M.P. - Mechanism of the strength reduction in synthetic fibers during the twisting of complex yarn. p.24.
- Geiskin, V.N., Boldina, G.A., Rumyantseva, K.D. - Experience in the operation of high-capacity small ChMv-450 combing machines. p.30.
- Eglov, V.I., Fetgin, Z.S., Sakharov, V.A. - Application of ultrasonic waves in the cleaning of the waste catcher tubes of spinning machinery. p.32.
- Monina, P.V., Shlenova, A.S. - Creel for making viscose silk warp from cheeses. p.35.
- Gulish, P.A., and others. - Use of acrylamide for warp sizing. p.37.
- Dadanashvili, A.I. - Use of hydrodynamic vibrators for the preparation of emulsions and sizes. p.41.
- Kal'nitskii, L.B., Elen, A.I. - Effect of the magnitude of the shed of a flat latch-needle knitting machine on the indices of double-rib cloth. p.43.
- Shliakhova, Z.N. - Flat knit fabrics for women's dresses and suits. p.48.
- Gavrilsh, Zh.A. - Children's leggings. p.52.
- Lobacheva, V.P., Efendieva, M.P., Shcherbinina, A.P. - Nonwoven fabrics from pure silk wastes. p.53.
- Mukhamedzhanov, G.K. - Method for determining yarn content of nonwoven mechanically-bonded fabrics. p.54.
- Mikhe, I.U.I., Garkauskas, V.V. - Studying some physico-mechanical properties of linen and half-linen fabrics treated with dimethylcarbamide. p.56.
- Pozdnakov, B.P. - Nonuniformity of the weight of the product and its calculation by the diagrams of recording instruments. p.62.
- Belen'kii, S.I. - Machine parts made from metal reinforced plastics. p.65.
- Mazlin, L.A. - Reorganization of the assortment of products and planning. p.70.
- Kolosev, A.F., Bocharov, V.N. - Methodology for analyzing the utilization of the capital assets of the textile industry. p.74.
- Pakshver, V.V. - Effect of thermal stabilization on the characteristics of wool. p.79.
- Petrakov, S.M. - Possibility of the transfer of textile industry enterprises to the seamless technology. p.81.
- Information. p.94.

ZHURNAL MOD [FASHION MAGAZINE]. Issued by Vsesoyuznyi institut nssotimona izdelii legkoi promyshlennosti i kul'tury odevzhi [All-Union Institute of Manufactures and Fashions]. Moscow, vol.21, no.1(79), Summer, 1965.

## g. MECHANICAL ENGINEERING

- AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet avto-traktornogo i sel'skokhoziaistvennogo mashinostroenia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.31, no.4, Apr.1965.
- Table of contents translated:
- Krutikov, I.P., Drannikov, A.B., Petrov, E.V. - Efficient use of motor loaders in automobile plants. p.1.
- Arkhangelski, V.M., Golushko, I.F. - Investigating the performance of the ZIL-130 engine under starting conditions. p.5.

- Atolian, K.M., and others. - Design and efficiency of the engine brake of the LAZ motorbuses with carburetor V-engines. p.8.
- Zemskov, P.I. - Increasing the wear resistance of the parts of a valve mechanism. p.12.
- Lakedemonskii, A.V., and others. - Characteristics of the wear of cylinders of motor-vehicle engines. p.14.
- Zakharov, N.N., Krapiventsev, A.N. - Control system of the TurboAMI-053 gas-turbine engine for motor vehicles. p.18.
- Zenzin, I.U.A. - Using the method of electromechanical analogy in correcting the parameters of cylinder ribbing of an air-cooled engine. p.22.
- Barskii, I.A. - Temperature changes in gas-turbine blades under unsteady operating conditions. p.24.
- Vil'pert, K.I., and others. - Some problems in the statistical analysis of vibrations of a motor vehicle. p.26.
- Vakharov, V.K., Buchin, A.I. - Experimental investigation of friction in the suspensions of automobiles with small cylinder capacity. p.29.
- Korotonskoy, N.I. - Weight parameters and overall sizes of motor vehicles. p.32.
- Iagant, A.L. - Reduced moment of friction for a differential gear. p.33.
- Smirnov, G.I. - Investigating the performance of a coupling without a lever. p.36.
- Morkovkin, B.V. - Expansion of the closed-die forging on crank presses. p.38.
- Mikul'skii, A.M. - Improving working conditions for filters working with pneumatic tools. p.40.
- Dorodin, E.S. - Continuous line for the conservation of spare parts of motor vehicles. p.42.
- Karpov, V.G. - Dies for bending clips. p.42.
- Ulasov, L.A. - Equipment for removing scrap from a forge shop. p.43.
- Bukharov, A.A. - Drills with ground-off dead centers. p.44.
- Millukov, O.V. - Use of precision casting the automobile industry. p.45.
- Smolinskii, R.I. - Automobile industry in Bulgaria and Rumania. p.46.
- Zubakh, A.G., Laityshev, G.V., Tol'skii, V.E. - Seminar on the reduction of noise and vibration of motor vehicles. p.47.
- The 25th anniversary of the Moscow Institute of Automobile Engineering. p.3 of cover.

## Vol.31, no.5, May 1965.

- Table of contents translated:
- Marinkovich, P.T. - Criteria of reliability and their determination in driving motor vehicles under variable operating conditions p.1.
- Kostrov, A.V. - Value of the coefficient of heat transfer in determining the temperature of the piston of an internal combustion engine. p.4.
- Gureev, A.A., and others. - Effect of climatic conditions in operating motor vehicle engines on their requirements in regard to the knock rating of gasoline. p.7.
- Grigor'ev, M.A., Pimenov, A.M. - Single-cylinder carburetor unit for evaluating operating characteristics of motor oils. p.10.
- Shestakov, B.A. - Kinematic inadequacy of blocked wheel drive with an active breaking up and the 4X2-type motor vehicle. p.13.
- Pechin, I.K., Khachaturov, A.A. - Nonlinear vibrations of a motor vehicle moving on a road with a natural microprofile. p.17.
- Derbasmidker, A.D. - Characteristics of the design of single-tube shock absorbers of a suspension. p.20.
- Potushov, V.A. - Substantiating the theory of the driving wheel of a motor vehicle. p.24.
- Kozlov, N.K. - Structural characteristics of the seats of the GAZ-53F, GAZ-53A and GAZ-66 motor trucks. p.25.
- Mirzoev, G.K., Sludikov, L.D., Korolov, A.I. - Investigating the effect of the front suspension and steering wheel drive on the wear of motor-vehicle tires. p.28.
- Ostrovitsov, A.N. - Reliability of motor-vehicle structures. p.31.
- Zaks, M.N., Tol'chuk, L.M. - Characteristics of the torsion of a motor-vehicle frame in case of a shift of the axis of rotation from the plane of the frame. p.33.
- Lapshin, S.A. - Current take-off used in strain measurements on rotating parts. p.35.
- Stankovich, A.A. - Economic efficiency of planned technological processes for coremaking. p.37.
- Rusyi, V.D., Staroskol'ski, V.I.A. - Effect of simultaneous hardening of holders and bits of hard-alloy tools on their quality. p.39.
- Kuptsov, V.P., Prozorovskaya, I.B. - Mandrels with unclamping spring bushings. p.42.
- Nuzov, A.I.A. - Effect of the shrinkage of forged metal on the accuracy of forgings. p.43.
- Lyskov, B.P., Komissarzhevskaya, V.N. - Results of the conference on diamond machining of workers in automobile, tractor, agricultural machinery and bearing plants. p.47.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and Tsentral'nyi komitet Profsoyuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol. 43, no. 4, Apr. 1965.

Table of contents translated  
Shupliakov, S. - Leninism is the banner of our victories. p.1.  
Make every effort of carry out the quotas of the seven-year plan ahead of schedule. p.2.  
There will be more good and various roads. p.4  
Kashmanov, V. - Voluntary principles should be used in the economics of industrial production. p.7.  
Mal'tseva, A. - Mixed crews at the construction of the Dneprodzerzhinsk Hydroelectric Power Station. p.9.  
Chichladze, V. - Automotive transportation unit and the problems of aesthetics. p.11.  
Bratchenko, I. - Motor vehicle and the road form a unified complex. p.12.  
Kashkin, V. - Centralizing the in and out freight haulage on railroad stations. p.15.  
Rumvol't, Kh. - Graphic determination of the number of journeys. p.17.  
Semenko, E., and others. - All-year oil for diesel engines. p.19.  
Shcheslavskii, A. - Stand for dismounting and mounting of motortruck tires. p.23.  
Efremov, V., Prokop'ev, V., Finkel'shtein, E. - Some problems in the overhaul of the ZIL-130 engines. p.25.  
Preleman, V., Dumin, I. - Repairing crankshafts of the ZIL-130 engine. p.28.  
Chapaev, A., and others. - Helical steel piston rings. p.30.  
Chernyshev, S. - Consolidation of automotive transportation units and the centralization of servicing and repairing. p.34.  
Lutsker, G., Levinson, B. - Optimal dimensions and the outlook for the development of automotive transportation enterprises. p.34.  
Kvitko, Kh. - Objective evaluation of the carrying out of tasks by the cost of transportation. p.38.  
Desideli, L., Don, I. - New standards for motor-vehicle tires. p.39.  
Zav'yalov, S. - Motortruck for the transportation of radioactive substances. p.43.  
Traffic organization and safety. p.45.  
Training specialists. p.47.  
Exchange of experience. p.49.  
Information. p.53.

ELEKTRICHESKAIA I TEPLOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION]. Organ of Ministerstvo putei soobshchenia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 6, no. 3(63), Mar. 1962.

Table of contents translated:  
Reliability, efficiency, and durability are the primary requirements of modern locomotives. p.1.  
Riabtsovskii, D.P. - Our requirements to electric locomotive manufacturers. p.2.  
Blagochevskii, V.A. - The N60 electric locomotive should be reliable in operation. p.4.  
Popov, I.V. - Some remarks on the construction of the ER1 electric train. p.5.  
Petrov, M.P. - How to achieve a smooth transition to recuperative braking. p.6.  
Shumilov, A.G. - Dispatcher control in a railroad yard. p.9.  
Palanen, R.I. - Device for cutting the collector grooves of traction motors. p.10.

ans-  
a  
sel  
,  
under  
ur of  
the  
m  
as,  
onal  
ration  
light  
sub-  
lure  
-  
25.

Tostykh, A.D. - Some faults of a gang switch. p.27.  
Poluy'yanov, G.A., Shebeko, V.V. - Some recommendations on the operation of the N60 electric locomotive. p.29.  
Butenko, F.I. - Method for checking the selenium rectifiers of tachometer generators. p.31.  
Rebrik, B.N. - Improved ignition grid protection network of electric locomotives. p.32.  
Borodulin, B.M. - Measurement of electric power expenditure in a.c. traction substations. p.34.  
Gurskii, P.A., Zakharchenko, D.D., Iurchenko, I.F. - Replies to the inquiries of our readers. p.35.  
Economy of 35 million rubles. p.37.  
Zin'ko, Z.V. - New educational motion pictures. p.37.  
Rakov, V.A. - A useful manual for locomotive crews and repair workers. p.38.  
Loginov, A.N. - Japanese diesel trains with hydraulic transmission systems. p.39.

Vol. 9, no. 3(89), Mar. 1965.

Table of contents translated:  
Levitskii, A.L. - Provide each locomotive shop with an exemplary study room of labor safety. p.1.  
Mochenov, I.G., Skiba, L.I. - Efficiency of the use of regeneration braking on a.c. electric locomotives. p.3.  
Kotov, E.V. - Our method of drying traction engine collectors in winter. p.6.  
Karnaukhov, A.K. - Additional equipment for the fire extinction systems of diesel locomotives. p.7.  
Vasil'ev, I.A. - How does a locomotive engineer operate the automatic brakes? p.8.  
Lukaev, G.A. - Our experience in the regulation of the dimension of the connecting rod - piston group in the repair of 2D100 diesel locomotives. p.9.  
Lopatko, N.N., Faizullae, Kh.Sh., Zor'kina, T.I. - Exchange of the starting resistance on series D diesel trains. p.11.  
Nikolaev, V.I. - Articulated brace for the installation of the diamond-shaped overhead catenary suspension. p.12.  
Bobrov, E.G. - Reducing the electric power losses in the valves of mercury-arc rectifiers. p.13.  
Gokhman, M.L. - Recuperation of current during the rheostatic tests of TE3 diesel locomotives. p.15.  
Sterlin, F.M. - What can be learned from the experience in the operation of type 2L-EM-1 industrial electric locomotives. p.17.  
Kononov, V.G. - Concerning some changes in the electric circuit of the main line TE3 diesel locomotive. p.19.  
Stefanovich, E.A. - Disconnection of the BV protection system should be tape recorded. p.21.  
Rakov, V.A. - Electric series ChS2T passenger locomotive with rheostatic braking. p.24.  
Kalmikov, A.M., Makarov, M.S., Valishev, F.T. - Characteristics of the design of the modernized M753B diesel engine. p.26.  
Pilipenko, I.V. - The failure of the diesel locomotive during the trip could have been prevented. p.28.  
Khilinskii, A.G. - The way it happened.... p.30.  
Nemukhin, V.P. - Thermal conditions and ventilation systems of the traction motors of TE3 diesel locomotives. p.32.  
Pakromkin, V.I., Katsler, M.A. - Control of the temperature of the cooling of ignitrons on series VL60 a.c. locomotives. p.34.  
Pelchev, M. - Electric and diesel traction on the railroads of the Bulgarian People's Republic. p.38.

KRASNOYARSK. SIBIRSKIY TEKHNOLICHESKII INSTITUT. Trudy [SIBERIAN TECHNOLOGICAL INSTITUTE, Transactions]. vol. 37, 1964

Table of contents translated:  
Gorlushkin, N.N. - Wear of steel as a function of the adherence of abrasive mineral particles to frozen ground. p.3.  
Gorlushkin, N.N. - Speed of cutting and the wear of the elements of cutting parts in frozen ground. p.15.  
Shelopaev, G.I. - Hydrothermal conditions and the resistance of the roadbed of automobile roads in the southern part of Krasnoyarsk Territory. p.24.  
Shelopaev, G.I. - Drainage of water from the foundations of road pavements and the calculations for the draining structures for automobile roads in the southern part of Krasnoyarsk Territory. p.34.  
Bellavush, A.V. - Consolidating road soils by silicate slag and silicate slime binders. p.41.  
Dinges, N.P. - Experimental unit for studying a simplified sawing of larch by sections of chain saws. p.51.  
Dinges, N.P. - Determining the optimal reduction for feed limiting devices during the sawing of larch by all-purpose chain saws. p.63.  
Bel'mach, M.I. - Problem of fastening logs to the frame of a tie cutting machine. p.70.  
Kuritsyn, V.N. - Effect of temperatures below freezing points on the value of the coefficient of friction of wood against steel and the Poisson coefficient. p.78.

Kondrat'ev, V.M. - Determining the composition and dimensions of a marine raft made of cigar-shaped sections. p.85.  
Khudonogov, V.N. - Studying the parameters of the stream agitated by an engine during the transportation of cigar-shaped rafts. p.86.  
Radluk, A.L. - Methods for determining the coefficient of the roughness of rapid sections of floating rivers. p.111.  
Korpachev, V.P. - Resistance of water to the movement of bundles in transverse towing. p.121.  
Kondrat'ev, V.M., Volkov, V.P. - Experimental studies of the distribution of the load of full-length log bundles among strap containers. p.130.  
Kopelevich, L.M., and others. - Use of special tires for logging trucks. p.135.  
Kopelevich, L.M. - Conditions for the use of current collectors during the testing of lumber transportation machines. p.144.  
Kuritsyn, V.N., Kondrat'ev, V.M. - Process of the formation of wood shavings during the cutting of wood under various temperature conditions. p.164.  
Shneider, A.I., Mikhailov, A.P. - Consolidation of road soils by the addition of slurry and water glass. p.169.  
Smirnov, V.S. - Consolidation of road soils with water glass by adding granulated blast-furnace slag. p.173.  
Karnaukhov, A.V. - Strip preparation of soils in culover areas using the D-210 G grubbler in Krasnoyarsk Territory. p.176.  
Votinskoy, A.M. - Calculations of transverse holding booms for narrowing sections of rivers. p.182.  
Khudonogov, V.N. - Studying water resistance and transportation speed of cigar-shaped rafts in unlimited and limited fairways taking into consideration the effect of engine, wind, and wave. p.189.  
Pimanov, G.P. - Theoretical and experimental justification of the conformity of electrical and mechanical parameters during the selection of the optimal system for hard facing with a weaving arc. p.200.

KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudai-stvennyi komitet po mashinosti oenitru pri Gosplane SSSR and Nauchno-tekhnicheskoe obschestvo mashinostioit'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R. and Scientific Technological Society of the Machinery Industry]. Moscow, vol. 6, no. 12, Dec. 1964.

Table of contents translated:  
Kazarinov, B.N., Okhrimenko, I.A.M. - Improving the forging technology of EI437BU alloy. p.1.  
Valley, S.A. - Die stamping of pure nickel. p.5.  
Korneev, D.M., Smirnov, G.V. - Erosion and deformation in cyclic thermal treatment. p.7.  
Sorkin, L.M. - Increasing the durability of roller dies. p.9.  
Skorodumov, S.A., Semenov, E.I. - Computing dimensions of initial billets in sectional forging of disks. p.11.  
Kaporovich, V.G. - A study of the technological parameters of roll forming a hollow cylindrical billet into a spherical shape. p.15.  
Pashkevich, A.G. - Wall deformation during reduction of hollow cylindrical billets. p.18.  
Terelshov, B.G. - Introducing rubber rings for sealing pistons in drop hammers. p.20.  
Chermenskii, O.N., Perfilov, V.I. - Photoelectric pulse transducer for the measurement of linear displacements. p.22.  
Brandenburgskii, M.G., Korsunskii, E.A. - An instrument for the control of pressure in relation to plunger motion in hydraulic presses. p.24.  
Petrovichev, V.V., Luk'yanov, L.A., Kudrin, N.A. - Shelf-type compartmented electric furnace for heating nonferrous alloy billets. p.31.  
Shitpel'man, S.D., Lin, G.S., Shiriaev, A.F. - Standardization of specialized foundry equipment for cutting magnetic wire strips for electric machines. p.33.  
Sidorov, N.E. - Forging long hollow cylinders from alloy steel. p.38.  
Gaev, A.M. - Precision flashless upsetting of bolt heads and similar parts. p.39.  
Reshetov, B.M., Bogomolov, V.V. - Characteristics of flashless forging. p.41.  
Tkach, N.I., Deripaska, M.V. - Use of electromagnetic blocks. p.43.  
Kovalenko, V.F. - Mechanization of processes in a semiautomatic forging unit. p.45.

Vol. 7, no. 1, Jan. 1965.

Table of contents translated:  
Sokolov, N.L., Smurov, A.M. - Technological variants of drop forging on crank presses using direct extrusion. p.1.  
Mishunin, V.A. - Design and construction of cylindrical matrices of dies for cold extrusion with hard alloy inserts. p.5.  
Afkushin, I.U.A. - Determining the top of specific force in the extrusion of metals. p.10.

- Kholofets, I. L. - Factors affecting the resistance of thread-rolling rollers. p. 13.
- Lisin, A. G. - Methodology of punch die calculations. p. 16.
- Ivanushkin, P. F., and others. - Establishing the mechanical conditions of the plastic deformation of metals. p. 19.
- Chernyi, I. U. F., Zubov, L. A. - Liquid steel forging of parts. p. 21.
- Kazachenok, V. I., Chazov, A. S. - Hydrodynamic friction in drawing hard to machine metals and alloys. p. 25.
- Khamra, S. M., Kolomoitsev, A. A. - Permissible deflection of lower stamping dies. p. 27.
- Ivanov, S. N. - Study of axially symmetrical extension during high-speed automatic die-stamping. p. 28.
- Efimov, I. A. - Determining optimum values of certain parameters in rotary machine lines for sheet metal work. p. 33.
- Leverlov, V. M. - Use of magnetic logical units in contactless circuits for controlling hydraulic presses. p. 36.
- Kulafov, N. D. - Ways of increasing the life of V belts in the drive of crank presses for forging. p. 38.
- Matveev, O. R., Degtov, G. F. - Study of some high temperature oxidation resistant materials for the manufacture of high temperature heat exchange equipment. p. 42.
- Romashkin, E. K. - Upsetting a semi-axial casing flange on a CKM unit. p. 45.
- Sidorov, N. E. - New technology of the free forging of plate-type forged parts. p. 47.
- Slamov, F. F. - A die for oblique punching of holes in elliptical bottoms. p. 3 of cover.
- Mazurovskii, E. I. A. - Use of a curve measuring device to calculate blocking forces in sheet-metal work. p. 3 of cover.
- Vol. 7, no. 3, Mar. 1965
- Table of contents translated:
- Potapkin, V. F. - Determining the rate of metal flow in the center of deformation in certain cases of pressure working. p. 1.
- Kaufman, K. M. - Investigating strength conditions during roll forging in circular grooves. p. 3.
- Filimonov, I. U. F., Mikhailenko, G. P., Kuznetsov, G. V. - Mechanical properties of alloys following cold extrusion. p. 7.
- Tarnovskii, I. I. A., and others. - Manufacture of grate bars by the method of longitudinal die rolling. p. 9.
- Golovanova, A. P. - Forming thin-walled bottoms of corrosion-resistant steel and titanium alloys. p. 11.
- Maksimov, N. V., Noga, N. A. - Effect of the shape of drawing dies on their durability. p. 13.
- Perevozchikov, B. S. - Methods of determining the efficiency of the stroke of an impact forging machine. p. 15.
- Navrotsky, G. A., Oshnyukh, V. I. A. - Dynamic study of the force distribution pattern of an A714 automatic machine. p. 21.
- Vasil'ev, B. P. - Dynamic processes in a hydraulic press during a momentary reduction of the working load. p. 27.
- Prostakov, A. A. - Methods of heating steel billets and their technical and economic comparison. p. 34.
- Rainer, M. G. - Making forgings at the forge of the Moscow plant of small cylinder capacity automobiles. p. 37.
- Petrov, N. P. - Progressive work methods in forge shops. p. 43.
- Kotliar, L. I. - Procedure for the die stamping of stem noses for canoes. p. 45.
- Samon'kin, M. A., Ivashkevich, V. P. - Die for the multilateral blanking of shaped material. p. 46.
- Nikolenko, I. U. N. - Precision parts are the road toward technical progress in machinery manufacture. p. 47.
- Results of a competition. p. 48.
- MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroytel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 4, Apr. 1965.
- Table of contents translated:
- Gordon, B. L. - Computers help designers. p. 1.
- Zhnevich, I. N., Komandirov, G. L. - Equipment for burnishing external cylindrical surfaces. p. 3.
- Goncharov, A. I. - Overall mechanized area for finishing electric cables. p. 3.
- Vasin, V. K. - Automatic hardening of plane surfaces. p. 4.
- Kotegaev, R. N., Babich, V. P. - Norms for the compulsory planned repair system require economic verification. p. 5.
- Usov, A. A. - Labor facilitating devices. p. 8.
- Gershenson, I. V. - Achievements of the innovators of the Black Sea Economic Region. p. 10.
- Rokhlenko, M. A., Smolenskii, B. L. - High-capacity pneumatic shears. p. 12.
- Lysov, A. G. - Boring attachment. p. 12.
- Riabets, N. P., Sirlachenko, M. G. - High-speed pneumatic turn table. p. 13.
- Tiuremskii, L. - Floating chuck. p. 13.
- Andronnikov, N. K., Tsepil, M. F. - Created by the innovators of the Rostov Agricultural Machinery Plant. p. 14.
- Malevany, I. S., Malevany, V. I. - Boring attachment with a detachable catcher. p. 16.
- Mironov, G. G. - Attachment for grinding and lapping cutting tools. p. 16.
- Zverev, V. I. - Device for determining the brand of steel. p. 17.
- Kiselev, V. P. - Movable draw-in reamer. p. 17.
- Zhilits, V. I. - Advanced designs of twist drills. p. 18.
- That can be used in your enterprise. p. 22.
- Bidulla, P. N. - Steel extrusion by the method of liquid metal drop forging. p. 24.
- Loskutov, V. V. - Diagonal milling of barrel-shaped teeth. p. 25.
- Artem'ev, B. P. - Effect of phosphate coating on the running-in of pinion teeth. p. 27.
- Belyi, V. A., and others. - Coating machine parts with caprolan. p. 28.
- Vasin, I. I. - Coating internal surfaces of cylinders with epoxy resins. p. 29.
- Atayina, G. V. - System of continuous planning in the enterprises of our country. p. 30.
- Volkov, V. - Application of a new planning system. p. 33.
- Andreev, I. I., Andreev, V. I. - Parts made of compressed wood. p. 35.
- Verkhuturov, B. I. A. - New designs of magnetoelectric kinemometers. p. 37.
- Belov, I. - Scientific technical meetings and conferences. p. 39.
- The Fourth All-Union Public Inspection of the Fulfillment of Research Plans and of the Introduction of Scientific and Technical achievements in the National Economy. p. 46.
- No. 5, May 1965.
- Table of contents translated:
- Machinery-industry workers report. p. 1.
- Turkov, G. A. - Mechanization and automation of assembly work in the manufacture of machinery. p. 2.
- Davydov, V. F. - Pulsating assembly conveyor. p. 3.
- Shneiderman, I. I. A. - Automatic thread-rolling unit. p. 5.
- Golod, V. N., Mizerukha, S. P. - New design of the lowering part of an overhead push conveyor. p. 6.
- Orlov, R. I. - Bases for the design of the structure of a repair cycle. p. 8.
- Usov, V. A. - Manufacture of spare parts according to the maximum-minimum system. p. 10.
- Kornilov, K. A. - Reconditioning gear wheels in repairing industrial equipment. p. 11.
- Shlesberg, S. D. - Unit for machining large-size machine-tool beds. p. 13.
- Mitakov, A. V. - New standards for cutters. p. 14.
- Damin, B. P. - Lobed flexible grinding wheel. p. 16.
- Anisimov, I. V. - Mandrel for turning grooves. p. 18.
- Smirnov, P. V. - Developed by Leningrad innovators. p. 19.
- Iakhimovich, V. A. - Orienting device. p. 21.
- Lagvinov, A. M. - Using compressed air for pumping over the vinasse. p. 21.
- That can be used in your enterprise. p. 22.
- TSyganov, A. A. - Combination die for manufacturing caps. p. 24.
- Zaid, E. A. - Mechanical broaching of hexahedrons. p. 24.
- Golod, E. A. - Safety valve. p. 25.
- Knysh, P. V. - Replacing continuous rims by sectors. p. 25.
- Kulikov, M. V. - Cutting-off lathe tool. p. 25.
- Khomak, B. S. - Increasing the strength of upsetting tools. p. 26.
- Bolotin, Kh. L., Grigor'ev, V. A. - Economic efficiency of pneumatic drives. p. 28.
- L'vov, N. P. - Calculating adjustment parameters for grinding cutting tools. p. 31.
- Zait's, A. S., Oks, G. Kh., L'vov, P. A. - Multiple stamping with interchangeable dies. p. 32.
- Vasil'ev, V. D. - Improving the quality and reliability of chemical equipment. p. 34.
- Komarov, F. B., Kogan, A. P. - Determining the coefficient of shift capacity for industrial equipment. p. 36.
- Lukashenko, L. K., Trushin, I. U. I. - Industrial noise control. p. 39.
- Rokhlenko, M. A., Smolenskii, B. L. - Control of pneumatic-tool noise. p. 40.
- Margules, A. U. - Use of compressed wood in the machinery industry of the Kuznetsk Basin. p. 41.
- MASHINOVEDENIE [MECHANICAL ENGINEERING]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1965.
- Table of contents translated:
- Artobolevskii, I. I. - Basic problems in the modern theory of machinery. p. 5.
- Uskov, M. K. - Synthesis of a linkage having the system of a pulsed speed variator. p. 14.
- Frolov, M. L. - Structural synthesis of pneumatic systems of automatic machines taking into consideration the dynamics of their operation. p. 21.
- Krasnikov, V. F. - Theoretical and experimental investigation of a cam mechanism taking into consideration the precision of its manufacture. p. 30.
- Dorodin, B. E., Nakhapetian, E. G. - Investigating the dynamics of a cam-mangle mechanism of an automatic machine. p. 36.
- Borisov, D. S., Gusev, V. P., Kobrinskii, A. E. - Some characteristics of step-by-step motors. p. 44.
- Veits, V. L. - Dynamics of the steady motion of a machine unit with electric drive and self-braking transmission. p. 51.
- Rubinshtein, I. U. E. - Investigating attenuating vibrations of a converter. p. 58.
- Barakh, L. I. A. - Some phenomena occurring during the rotation of shafts in bearings with gaps. p. 70.
- Bondar', S. E. - Movement of the spindle of a grinding wheel with an eccentrically concentrated mass. p. 78.
- Gusenkov, A. P., Shneiderovich, R. M. - Characteristics of a cyclic elastoplastic deformation at high temperatures. p. 86.
- Semenov, A. P., Pozdnakov, V. V. - Friction of graphite materials at high temperatures in a vacuum of gas media. p. 91.
- Istomin, N. P., Kuritsyna, A. D. - Using the method of the displacement of a single hard slider in investigating the friction of plastics. p. 104.
- Khrushchev, M. M., Babichov, M. A., Chao-Yuan. - Using sand entrained by a rubber disk in testing steels for abrasive wear. p. 110.
- Pliginskii, S. V., Gudchenko, V. M. - Experimental investigation of the effect of a vacuum on the process of contact rupture of steels. p. 119.
- Orlov, A. V. - Carrying capacity of Novikov's gear transmissions at various forms of contact. p. 127.
- MOSCOW, MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Tyudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions] No. 185, 1964.
- Problems of railroad car construction and car operation
- Table of contents translated:
- Koturnov, V. N. - Determining the state of stress of the tank of tank cars due to the end and hydrostatic pressure. p. 5.
- Evstaf'ev, B. S. - Analyzing some systems of the running gear of eight-axle cars. p. 12.
- Evstaf'ev, B. S. - Investigating the stability of eight-axle gondola cars during one-sided unloading. p. 27.
- Evstaf'ev, B. S. - Investigating the behavior of eight-axle cars on curved track sections and the conditions of their coupling. p. 38.
- Spivakovskii, A. L. - Method of material selection to achieve the lowest weight of passenger cars. p. 49.
- Spivakovskii, A. L. - Results of the testing of the state of stress and dynamic (running) qualities of passenger cars manufactured from high-strength aluminum alloys. p. 58.
- Larlovskii, V. I. - Methodology for determining and selecting the basic parameters of disk brakes. p. 83.
- Nozhevnikov, A. M. - Investigating the characteristics of disk brakes. p. 95.
- No. 192, 1965. Study of the engineering and economic indices of construction cranes during the assembling of completely prefabricated apartment houses near railroads
- Table of contents translated:
- Fishehukov, M. A. - State of the problem and the method of studying the engineering and economic indices of construction cranes during the erection of apartment houses. p. 4.
- Monakhov, I. G. - Study of the engineering and economic indices of erecting cranes during the construction of five-story large-panel apartment houses. p. 24.
- Fishehukov, M. A. - Engineering and economic indices of the erection of large-panel three-story buildings by various cranes. p. 32.
- Shadrina, G. N. - Selecting cranes, determining, and analyzing the engineering and economic indices of erecting two-story large-panel buildings. p. 49.
- Chernakov, I. M. - Selecting cranes, determining, and analyzing their engineering and economic indices during the erection of large-block buildings. p. 58.
- Kokin, M. V. - Selecting cranes, determining, and analyzing their engineering and economic indices during the erection of buildings composed of prefabricated room-units. p. 78.
- Chernikov, I. M. - Some problems in assembling buildings of large elements directly from the transporting machines. p. 88.
- Determining the estimated cost of the machine shifts of erecting cranes. p. 98.

MOSCOW. VSESOIUZNIY NAUCHNO-ISSLEDOVATEL'SKIY INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION Journal] vol 24, no 2, 1965

Table of contents translated:

- Faminskii, G. V. - New train with automatic control p. 3
- Rodzaevskaya, I. A. - Experience in the operation of the new type of overhead contact wires p. 7
- Kolodchevskii, E. A., Sergievskii, A. S. - Frequency parameters of 10 kw three-phase lines on overhead structures p. 9
- Kozlov, B. N. - Losses due to the failure of electric power supply systems p. 13
- Volodin, A. I. - Cooling of the pressure charging air in two-cycle diesel locomotive engines. p. 16
- Kal'ianov, V. I. - Use of hydraulic dampers for damping the vertical vibrations of locomotives p. 21
- Zakharov, S. M. - Hydrodynamic systems for the lubrication of 2D100 diesel engine bearings p. 25
- Kudravytsev, I. A. B. - Heat emission in a non-transparent hydraulic torque converter during its joint work with the diesel engine. p. 29
- Adamenko, S. P. - Use of the method of small holes for determining the wear of parts of internal combustion engines. p. 32
- Gamirov, V. I. - Effect of the axle roll of gondola cars on the strength of the pin connected joint p. 35
- Dorokin, I. S. - Arresting devices of the central suspension of passenger cars. p. 39
- Bassarskii, M. P. - Effect of the dimensions on their performance. p. 41
- Vorob'ev, N. A., Grishin, M. S. - Determining the weight of trains and traffic volume by the load per unit length p. 47
- Sidel'nikov, V. M. - Use of computers in the selection of the optimum system of locomotive operation p. 52
- Andrianov, V. P. - Coordinated characteristics of channels for data transmission. p. 58
- Mikheev, V. A., Persheev, V. G. - Group protection of information models p. 63

\*PRIBOROSTROENIE [INSTRUMENT MANUFACTURE]. Organ of Gosudarstvennyi komitet po priborostroeniiu, sredstvam avtomatizatsii i sistemam upravleniia pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Instrument Manufacture, Means of Automation, and Control Systems, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no. 4, Apr. 1965.

Table of contents translated:

- Gusev, E. D. - Calculating some parameters of wire transducers. p. 1
- Gloriozov, E. L. - Designing a translator amplifier for reading the storage on a magnetic drum. p. 4
- Aleksandrin, V. I. - Using the adaptability principle in voltage-to-code converters with time coding. p. 7
- Poskachei, A. A., Ural'skii, M. P. - Pyrometer of spectral ratio with a 300-500° centigrade range. p. 9
- Balnov, D., Bilazov, I., Zaprianov, I. - Electro-mechanical differentiating element. p. 11
- Vereshchagin, L. A. - Transducer of linear displacements to the speed of rotation. p. 13
- Syrnev, G. S. - New technological processes in the manufacture of fastening bolts and screws. p. 14
- Polnarev, A. M. - Electric hard soldering of contact joints. p. 15
- Brudnik, S. S., Kusov, I. F., Taran, V. A. - Using computers for calculating optimum allowances for the parameters of an executive component in securing given reliability and minimum cost of production and operation. p. 18
- Ospovich, L. A. - Modernizing piezoelectric crystal pickups of vibrational accelerations. p. 19
- Mozgalevskii, A. V. - Electronic timer in an automatic system for the determination of efficiency and detection of a defect. p. 20
- Valesian, Sh. G. - Standardization of electric actuating units used in automatic control systems. p. 21
- Lonskol, A. V., Lutsker, I. Sh. - Efficient design of differential thermopiles. p. 26
- Kamenov, V. M., Kononenko, G. I., Levin, B. V. - Organization of the working area and the mechanization of fitting and assembling operations in the manufacture of electric and radio instruments. p. 27
- Testing machines for the determination of concrete strength p. 29

PRIKLADNAIA MEKHANIKA [APPLIED MECHANICS].

Issued by Otdelenie matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainekoi SSR [Department of Mathematics, Mechanics, and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, no. 1, 1965.

Table of contents translated:

- Savin, G. N., Grilitskii, D. V. - Determining stressed state in an anisotropic plate with an elastic nucleus. p. 5

- Kosmodamianskii, A. S. - Quasi-regularity of infinite systems in the problem of stress concentration around curvilinear holes. p. 15
- Grigoliuk, E. I., Kurshin, L. M., Fil'shtinskii, L. A. - Method for solving doubly periodic problems in the theory of elasticity. p. 22
- Gromov, V. G. - Stress concentration around a cylindrical (circular) hollow. p. 32
- Potolzhii, G. N., Uitko, A. F. - Inversion formulas of the basic integral representation of  $p$ -analytic functions having the characteristic  $p \times x^k$ . p. 39
- Pisarenko, G. S., Troshchenko, V. T., Bugai, V. I. - Effect of cyclic plastic deformations on the fatigue of metals under uniform and nonuniform stressed state conditions. p. 52
- Mikeladze, M. Sh. - Basic equations of the semi-zero torque theory of cylindrical orthotropic plastic shells. p. 62
- Srebnitskaia, A. I. - Limiting loading of frames made of thin-walled rods and subjected to torsional bending. p. 70
- Galinov, N. K. - Axisymmetric bending and the stability of circular sandwich plates with a light-weight filler. p. 77
- Vingradov, A. I. - Optimal distribution of stresses in rod systems and the properties of optimal systems. p. 88
- Khoroshun, L. P. - Thermodynamic fundamentals of the rheology. p. 92
- Parchevskii, L. I. A. - Cylindrical bending of a supported cantilever plate taking into consideration the creep properties of the plate and the support. p. 98
- Sachenkov, A. V. - Determining the frequencies of free vibrations of shallow spherical shells and flat plates basing on the membrane analogy. p. 104
- Geinchenko, V. T. - Axisymmetric problem in the theory of elasticity for a semi-infinite circular cylinder. p. 109
- Pirogov, I. M. - Stress concentration around a reinforced hole in a cylindrical tank filled with a liquid. p. 119
- Lopatin, N. S. - Stability of a rectangular plate supported along the contour and having inclined stiffening ribs. p. 121
- Kuz'ma, V. M. - Simulation of a vibrating system with causally changing parameters. p. 126
- Grigorenko, I. A. M., Shevchenko, I. N. - Anatoli Dmitrievich Kovalenko, on the occasion of his 60th birthday. p. 133
- Goroshko, O. A., Uitko, A. F. - Work of the Seminar of Mechanics of the Academy of Sciences of the Ukrainian S.S.R. in the first months of 1964. p. 139

REFERATIVNIYI ZHURNAL: AVTOMOBIL'NIY I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965. This journal is also issued in parts.]

REFERATIVNIYI ZHURNAL: FOTOKINOTEKHNIKA (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBOURODVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1965.

REFERATIVNIYI ZHURNAL: KOTLOSTROENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN, GIDROPRIVOD (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS. HYDRAULIC DRIVE (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965. [This journal is also issued in parts.]

REFERATIVNIYI ZHURNAL: TEKHNLOGIYA I OBOURODOVANIE TSELIULOZNO-BUMAZHNOGO I POLIGRAFIKESKOGO PROIZVODSTVA (Otdel'nyi vypusk 37) [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE WOODPULP, PAPER, AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: TEKHNLOGIYA MASHINOSTROENIYA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: TEPLOENERGETIKA [JOURNAL OF ABSTRACTS: HEAT ENGINEERING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: TRAKTORI I SEL'SKOKHOZIAISTVENNYYE MASHINY I ORUDIYA (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: TRUBOPROVODNIY TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: TURBOSTROENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

REFERATIVNIYI ZHURNAL: VOPROSY TEKHNIKESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, June 1965. Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964]

REFERATIVNIYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYYE PEREVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965. Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964]

REFERATIVNIYI ZHURNAL: ZHELEZNODOROZHNIY TRANSPORT [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965. [This journal is also issued in parts.]

RUSSKIY (1965) H. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Table of contents translated:

- Petrov, G. N., Suetin, V. A. - Universal graphico-analytical method for determining the law of the motion of a mechanism with one degree of freedom. p. 5
- Nikolaevskii, E. V. - Balancing mechanisms with rocking disks. p. 12
- Pelsakh, E. E. - Synthesis of functions of the displacement of a mechanism follower in the form of polynomials. p. 21
- Slesinger, I. N. - Calculating nonlinear deformations of certain parts. p. 34
- Andreev, L. S. - Instability of a plastic deformation caused by biaxial tension. p. 51



- Gaidenko, G. A. - Investigating the effect of surface roughness on the contact strength of steel. p. 58.
- Tsfas, B. S. - Taking load concentration into consideration in stress analysis of a pinion body weakened by a key seat. p. 66.
- Aranzon, V. A., Ilyachik, G. S., Malaushin, G. V. - Using a dynamograph in controlling belt tension in contour transmissions. p. 78.
- Iashin, A. V. - Experimental investigation of the models of a reinforced concrete cross bar for the power frame of a hydraulic press. p. 84.
- Belaev, V. N. - Traction capacity of flat belt transmissions. p. 90.
- Gullaev, K. I. - Selecting parameters of cutter heads for cutting bevel gears with cycloidal longitudinal tooth profile. p. 101.
- Zavisha, V. V. - Hydraulic engines with sector-ring plungers and their efficiency. p. 108.
- Evenko, V. I. - Air leakage in the compressor of a free-piston gas producer. p. 118.
- Khavakh, M. S., Kamfer, G. M. - Some characteristics of the heat exchange between fuel and the surrounding medium during fuel injection in diesel engines. p. 133.
- Sret'sov, V. I. - Effect of the "transparency" of a hydraulic torque converter on the intensity of forced torsional vibrations. p. 139.
- Il'inski, D. I. A., Kapustin, I. I. - Output of normalized automatic bunker-type vibratory feeder. p. 145.
- Tsotskhadze, V. V. - Determining the cutting temperature by standard physicomachanical characteristics of metals and alloys. p. 161.
- Khvorostukhin, L. A., Rakhman-Zade, A. Z. - Determining the deformation rate of chips by their hardness. p. 161.
- Shelnin, G. M. - Design of copying systems with stretched profiling devices. p. 168.
- Zemlanskii, V. A., Granin, I. U. F. - Dynamic investigation of round self-rotating cutting tools. p. 180.
- Silaev, E. F. - Investigating the dynamics of the control system of a continuous cold rolling mill. p. 186.
- Mikaellan, V. G. - Effect of the heating by current of the electrode on the rate of melting in automatic submerged arc welding of aluminum. p. 205.
- Sokolovskii, V. I., Postnikov, V. A. - Experimental investigation of power consumption in cold pipe rolling. p. 212.
- Smirnov, A. I., Broykina, E. P. - Investigating the wear resistance of sulfur containing cast irons. p. 154.
- Morozov, M. G., Vavashovich, K. K., Lobanova, L. V. - Structure of the transition zone in clad steel. p. 162.
- Maitlin, N. N., Shirshov, A. A. - Investigating heavy deformations of a strip subjected to plastic bending taking age-hardening into consideration. p. 165.
- Shalunov, M. P., Soykin, V. F. - Contact method for the determination of temperatures and thermal fluxes in grinding. p. 173.
- Chislakov, E. G., Peshkovskaya, M. M. - Evaluating the economic efficiency of specialization. p. 181.
- No. 4, 1965
- Table of contents translated
- Pogrebetskaya, M. N. - Curvature of helical surfaces. p. 5.
- Kostiuk, D. I. - Determining the tooth form factor of a gear wheel with an internal rim. p. 16.
- Shurygin, I. U. I. - Geometrical interrelations of initial surfaces of a hypoid gear. p. 22.
- Svetitskii, V. A., Gabriluk, V. I. - Investigating the steady motion of a string along a rough cylindrical surface. p. 28.
- Zhislin, L. S. - Calculating uniformly perforated plates in the elastoplastic phase of loading. p. 38.
- Melekin, A. F., Pavlov, I. U. I. - Increasing operating reliability of piping joints. p. 45.
- Kononov, K. M. - Investigating the wheel strength of a radial-flow gas turbine under unsteady thermal conditions. p. 54.
- Gekker, F. R. - Steady vibrations of a two-mass system in the presence of a dry friction element. p. 61.
- Kovtunen, E. I. U. - Equipment for a dynamic precision test of electric contact transducers of linear dimensions. p. 68.
- Storozhev, L. P. - Charts for the analysis and synthesis of four-bar linkages. p. 71.
- Prokof'ev, V. N., Bodrashova, G. F., Sinev, A. V. - Kinematics of cardanless axial-flow piston-type hydraulic machines. p. 84.
- Lubenets, V. D. - Method for the segregation of losses in rotary vacuum pumps. p. 91.
- Kalishchevskii, L. L., Gonchev, B. G. - Investigating the volume of heat release in an axial-flow cyclone combustion chamber. p. 99.
- Chernukhin, V. A. - Experimental investigation of fluid film thickness and the amount of drop entrainment occurring under the influence of a high-speed gas flow. p. 107.
- Vyubov, D. N., El'kolb, M. M. - Calculating the speed of an air charge in an engine cylinder. p. 113.
- Gorbachev, A. G. - Dynamic loads in metallurgical cranes. p. 118.
- Kuznetsov, A. P. - Theoretical and experimental determination of dynamic characteristics and fuel efficiency of the ZIL-127 gas-turbine motor-bus. p. 120.
- Kashlitskii, L. K., Sobolev, I. U. N. - Relationship between the appearance and internal structure of solid electrolytic iron deposits and plating conditions. p. 133.
- Vasil'ov, V. A. - Effect of diffusion processes on the formation of intermediate compounds during the interaction of metal and mold material. p. 145.
- Valuev, S. A. - Bases for the classification of cast parts by structural and engineering characteristics. p. 151.
- Voloshchenko, A. P. - System of characteristics and indices for evaluating the progressiveness and economic efficiency of metal-cutting processes. p. 155.
- Markitanova, V. A. - Investigating the heat conductivity of high-speed steels. p. 168.
- Danilenko, B. D. - Investigating the temperatures in grinding. p. 173.
- Solomatina, A. F. - Shape of machine bent pipes. p. 178.
- Belousov, L. S. - Noncyclic overstocks in line production. p. 188.
- \*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; priborostroyeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Instrument Manufacture]. Moscow, vol. 8, no. 2, 1965.
- Table of contents translated:
- Zil'inkovich, S. I. - Reliability problem and objectives of higher technical schools. p. 3.
- Pollakov, I. U. A., Karpov, I. U. S. - Errors in measuring the noise coefficient of transistors at low frequencies. p. 7.
- Kharatishvili, N. G. - Determining the quality factor of a nonlinear circuit. p. 11.
- Syropiatova, R. I. A. - Signal spectra in the channel of magnetic recording of measurement data. p. 14.
- Krasnoproshina, A. A. - Transient processes in a choke-coupled magnetic amplifier. p. 20.
- Danilov, V. G., Orlov, A. P. - Amplifier with a simplified stabilization for electrometer tubes. p. 27.
- Deglar', L. E., Zelikovskii, Z. I. - Measuring the frequency error of resistors. p. 29.
- Korndorf, S. F., Mironova, N. S. - Some possibilities of regulating the time constants of circuits with photoresistors and thermistors. p. 34.
- Donskoi, A. V., Volodin, V. V. - Using silicon diodes for the overload protection of frequency meters. p. 38.
- Zheleznov, A. I., Stasovich, V. M. - Flowmeter based on the principle of nuclear magnetic resonance. p. 45.
- Aref'ev, B. A. - Improving the quality of optimizing control. p. 49.
- Vasil'ev, V. I. - Structure of coding and decoding devices used for the realization of nonbinary codes in telemetering. p. 56.
- Lebedev, A. I. - General linear theory of eliminating the commutation of feedback lines of a computer for solving a system of two transcendental equations. p. 63.
- Klimets, B. I. - Solution of problems in linear programming by means of a.c. analog computers. p. 69.
- Saltykovskii, O. M. - Designing high-precision double-angle-to-code transducers. p. 75.
- Balashov, E. P., Smolov, V. D. - Electronic computer for acoustical logging. p. 80.
- Chernukh, S. A. - Stability and natural vibrations of nonequidistant gyroscopic systems subjected to external influence. p. 86.
- Kaigu, L. I. - Errors of a gyroscopic integrator of linear accelerations. p. 94.
- Polonskaya, L. V. - Comparative evaluation of compensation-type integrating accelerometers. p. 100.
- Konashinski, B. A. - Investigating a method for friction compensation in shaft supports of instruments. p. 107.
- Levidov, V. A., Tikhonov, O. N. - High error limit of the discrete measurements of speeds and accelerations. p. 113.
- Maksimov, A. D. - Investigating a system with a low damping and soft force defined by an equation of the third degree. p. 118.
- Akkerman, I. D. - Magneto-hydrodynamic transducer. p. 125.
- Mikhailova, M. G. - Phase photoelectric microscopes. p. 128.
- Gidlin, A. S. - Calculating light filters for photoresistors. p. 135.
- Vdovin, S. S. - Thermal conditions of a high-power pulse transformer. p. 138.
- Malikov, I. M. - Terminology of the theory of reliability. p. 142.
- \*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po mashinostroyeniyu pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroyeniya i promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 36, no. 4, Apr. 1965.
- Table of contents translated:
- Increase the effectiveness of socialist production. p. 1.
- Etin, A. O., Shumitskii, B. L. - Analysis of the use of lathes with numerical program control. p. 3.
- Shmutor, S. L. - Analysis of dynamic errors of program controlled milling machines. p. 8.
- Bobrin, O. N., and others. - Lathes with a single-loading pulsed system of numerical program control. p. 12.
- Ravva, Zh. S., Rumanov, B. A. - Program controlled engraving. p. 16.
- Tartakovskii, V. I., and others. - Analog position system of program control for boring and turning lathes. p. 18.
- Antropov, K. N., Kazakov, I. U. I. - Noncontact copying system for cutting gear wheels. p. 21.
- Gorodetskii, M. S., Levin, A. I. - Approach speed to a given position in position-controlled machine tools. p. 22.
- Chetverikov, S. S., Shumov, E. G. - Using electric erosion methods in manufacturing hard-alloy chasers. p. 25.
- Gol'ts'd, O. M. - Investigating methods for straightening grinding wheels. p. 27.
- Adzhemian, V. G., Avakian, V. A., Manukian, V. S. - Grinding heads for lathes. p. 28.
- Koganov, I. A., Shelnin, G. M. - Machining cylindrical cams with small radii of the profile curvature. p. 29.
- Zemakov, P. I., and others. - Devices for measuring the hardness of shaped parts. p. 37.
- Romanov, I. U. P., Merem'yanin, A. N. - Three-spindle milling head. p. 38.
- New machine tools. p. 39.



Vol 38, no 5, May 1965

## Table of contents translated:

- Secure a sharp increase in the output of agricultural equipment p.1
- Vydrin, P.G. - Quality and reliability of machine tools p.2
- Ershov, I.U.B. - Ways for speeding-up the assembly, adjustment and adaptation of automatic production lines p.3
- Molchanov, G.N., Mangutov, R.A., Peregudov, L.V. - Reliability of the numerical program control system for lathes p.7
- Kiper, E.V., Mikhailenko, V.P., Kovalev, I.T. - Reliability potentials of the automatic turret lathes p.10
- Pratusevich, R.M., Lebova, N.M., Zot'eva, A.S. - Increasing the durability of the gear wheels of machine tools p.12
- Levit, G.A., Lur'e, B.G. - Investigation and design of guides with pressure lubrication p.15
- Lapins, A.S., Chizhov, B.N. - Causes of seizing on the feed guides of machine tools and methods for its prevention p.22
- Sokolov, I.U.N. - Hydrodynamic spindle bearing for precision machine tools p.25
- Mizeri, A.A. - Porous graphitized iron bearings p.28
- Skuzovatova, A.P. - Using tool steels in manufacturing machine-tool parts p.29
- Russinkovskii, I.P. - Surface hardening by induction heating in a liquid p.31
- Vasil'ev, V.V., Gorozhankin, E.A., Efimov, A.N. - Investigating the rigidity of the faceplate of a heavy lathe p.32
- Belin, S.I.A., Polotskii, V.E. - Tool-feed direction in electric-pulse machining of form surfaces p.34
- Rokhlenko, M.A., Smolenskii, B.L. - Device for checking the quality of press-fitting of pressure lubricators p.36
- Machine tools at the Leipzig Spring Fair 1965 p.36
- New machine tools p.37.

STROITEL'NYE I DOROZHNYE MASHINY [CONSTRUCTION AND ROAD MACHINERY]. Organ of Gosudarstvennyi komitet stroitel'nogo dorozhnogo i kommunal'nogo mashinostroeniia pri Gosstroie SSSR [State Committee for the Manufacture of Construction, Road and Municipal Machinery, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol.8, no.1, Jan 1963.

## Table of contents translated.

- Centralize the technical administration of construction and road machinery manufacturing p.1
- Sigal, I.A.E. - KB-50 tower crane p.3
- Meshki, Ch.P. - Pneumatic-wheeled tower crane p.7
- Myshkin, V.G. - K-63 truck crane p.8
- Rumiantsev, V.A. - Reinforced concrete frame for EM-201 quarry excavators p.12
- Kolentkov, E.F., Taranov, D.I. - Roller feeder of the working component of a rotary bucket excavator p.13
- Gonecharov, B.V., Demin, N.E., Faershtein, V.D. - S-714 pile driving unit p.15
- Ivanov, D.F. - Pole semitrailer for transporting reinforced concrete trusses p.17
- Dol'nik, E.S., Zarkh, A.S. - PPU-20 mobile lifting unit p.17
- Sitil'skii, I.R. - Set of mechanisms for mechanizing removal operations in the PKB-02-04 stonecutting unit p.18
- Abramov, I.A., Osadchuk, E.S. - Improve the performance of SM-580A stonecutting machines p.21
- Neavizhskii, O.A. - Increasing the longevity of milling media p.22
- Logak, L.I. - Crusher with two movable jaws p.25
- New machinery p.27
- Standard machines, mechanized tools, and apparatus for painting operations for the period 1960-1965 p.29
- Mednikov, M.I. - Mechanizing the area of hammer forging in the forge of the Odessa Crane Plant p.31
- Mazok, N.N. - Machinery of our Polish friends (to be concluded) p.34.

Vol.8, no.3, Mar. 1963.

## Table of contents translated:

- Basic problems of the reliability and longevity of construction and road machinery p.1
- Chudakov, K.P. - Basic definitions and terminology of the reliability and longevity of machinery p.5
- Prolong the life of excavators p.8
- Treier, V.N. - Basic calculations of machinery and their parts for reliability p.14
- Spit'skii, I.O. - Means for prolonging the life of joints and parts of crane mechanisms p.17
- Braude, V.I. - Means for increasing the reliability of gantry cranes p.21
- Kokhi, P.I. - Characteristics of the wear of the basic parts of quarry excavators p.23

- Koval'chuk, V.A. - Reliability as the basic feature of construction machinery for operations in northern regions p.25
- Stramov, M.F. - Wear resistance of plastic bearings of construction and road machinery p.27
- Popov, K.V., Savitskii, V.G. - Studying the resistance to cold shortness of excavator parts operating under severe climatic conditions p.31
- Razin, S.I. - Increasing the reliability and lifetime of machinery of the Noril'sk Combine p.33
- Standardizing deep vibrators for compressing concrete for the period of 1960-1965 p.35

Vol.10, no 3, Mar 1965

## Table of contents translated:

- Peskov, V.G., Kovalenko, G.M., Skotnikov, V.A. - Present state and basic trends of the development of trenching and road-maintenance equipment p.1
- Plotnikov, I.A., and others. - New continuous trench digger for open-cut drainage p.4
- Moskalenko, V.A. - Automatic digging of trenches and drains with a given inclination p.6
- Polunin, V.I. - Using trenching machinery for the construction of a drainage system in winter p.9
- Guardian, V.A., Bulinskii, E.A. - Machines for cleaning drainage trenches p.10
- Buslovich, M.G. - Machine for removing plants from trench slopes p.12
- Krasnikov, A.B., Mozheiko, L.I. - New drainage machines p.13
- Plotnikov, I.A., Khinevich, B.E. - The DZU-15 turf cutter and layer p.15
- Rabinovich, E.A. - Hydraulic drive for trenching and road machinery p.16
- Skotnikov, V.A. - Investigating the KFN-1200 trench-cutting machine p.18
- Fruman, K.I. - Dynamics of a tractor-drawn trenching unit with active working elements p.20
- Livshits, V.L., Simakov, I.K. - The SKB-2 loaders p.22
- Vasil'ev, A.A., Iakunina, V.V. - Give more attention to the machinery for the maintenance and repair of roads and airports p.25
- Kontush, K.V., Shcherbak, V.V. - New machines for the maintenance and repair of roads p.29
- Bernstein, M.D. - Conference on the mechanization of melioration and road-maintenance work p.31
- Gorinskii, V.N. - Graydall universal excavator for digging and cleaning trenches p.32
- Vorob'ev, A.I. - Device for measuring the depth of excavator digging p.33

Vol.10, no.4, Apr 1965

## Table of contents translated:

- Al'perovich, A.I. - The new MKG-25 erection crawler crane p.1
- Lysakov, A.G. - Increasing the maneuverability and mobility of rubber-tired cranes p.6
- Pribyl'skii, M.P. - Spiral timber loader p.9
- Lappo, L.L., Rumiantsev, V.A., Figlin, I.Z. - The ETU-354 excavator with a bucketless working element p.10
- Roshchupkin, D.V., Tsernant, A.A., Popov, I.U.A. - Clay cutting and ripping machine p.11
- Cherkashin, V.A. - Basic regularities in various methods of working frozen grounds p.14
- Kartvelishvili, I.U.L., and others - Determining impact loads acting on the dragline bucket p.16
- Zelenin, A.N., Sholdo, G.A. - Mounted rippers for soil ripping p.17
- Rumiantsev, V.A. - Transducer for preventing the breakdown of transmission units p.20
- Ben'iaminov, S.L. - Machine for concreting channel banks p.21
- Neavizhskii, O.A. - The "Volga-S" grate-bar coolers p.22
- Shifrin, V.B. - Automatic device using the two-frequency method for controlling concrete setting p.26
- Dikusar, V.V. - Pneumatic concrete conveying in road construction p.27
- Mausumbaev, B.S. - Investigating the reliability of level indicators for loose materials p.30
- Kontorovich, I.E., and others. - Increasing engineering properties of steel castings at low temperatures p.32
- Popov, A.T. - Universal stand for testing hydraulic systems of excavators p.34
- Taranov, V.N. - Tensometering traction dynamometer p.34
- Savchenko, N.V. - Metal-impregnated compressed wood is a material for bearings p.35
- Kizimova, S.P. - Outline of the history of the Bryansk Road Machinery Plant p.38

\* TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol.12, no.4, Apr. 1965.

## Table of contents translated:

- Stefani, E.P. - Present status and trends in the development of automatic control systems for thermal electric power plants p.2

- Duel', M.A., Gorelik, A.Kh. - Determination of programs for automatic starting of turbine units using analog computers p.13
- Kiol', L.B., and others. - Experimental study of intermediate superheating control using steam-to-steam heat exchangers p.16
- Aleksandrova, N.D. - Calculation of the parameters of dynamic adjustment of a steam temperature regulator with an advance high-speed signal p.24
- Solhank, B.L., Iastrebenetskii, M.A., Komarov, G.P. - Determination of the reliability of automatic regulators under operational conditions in thermal electric power plants p.29
- Masnikov, E.A., Govaldov, I.A. - Automation of the blow-through of evaporators working with highly mineralized water p.33
- Kolda, N.U. - Determination of optimum combinations of standard diameters of pipes in hydraulic networks p.35
- Mochan, S.I., Apatovskii, L.E., Komarschik, I.N. - Selection of air heating temperature taking into account unification demands p.37
- Golovin, V.N. - Clogging of boiler screens p.42
- Khitiin, L.N., and others. - Combustion of a plane-parallel air and pulverized fuel jet p.47
- Nikitin, V.I., Taulina, M.G. - Scale effect at high temperature and static load p.52
- Petrovskiy, Z.N., Bogomol'man, R.B. - Low-alloy structural steel for large power systems p.58
- Novikova, O.I. - Calculation of the axisymmetrical flow in the runners of axial turbines p.63
- Cherkez, A.I.A. - Calculations using a method of small deviations in the study and reduction of gas turbines p.68
- Labuntsov, D.A., Kol'chugin, B.A., Zakharova, E.A. - Local vapor contents in the surface boiling of an underheated liquid in channels p.73
- Andriushchenko, A.I., Lapshov, V.N., Poniatov, V.A. - Thermal effectiveness of steam and gas systems using the heat from intermediate air cooling in the steam portion p.77
- Deich, M.G., Stepanchuk, V.F., Saltanov, G.A. - Calculation of condensation jumps in the wet steam region p.81
- TSederberg, N.V., Popov, V.N., Andreev, I.I. - Experimental study of the viscosity of hydrogen p.84
- Golovinskii, G.P. - Hydrodynamics and heat transfer in vertical tube film evaporators p.86
- Katsnel'son, B.D., and others. - Safety regulations for systems operating on pulverized fuel p.90
- Vukajovich, M.P., Sychev, V.V. - International program for studying thermal and physical properties of water and water vapor p.94
- Kaminskii, M.S. - All-Union conference on the economy of heat and fuel p.95

Vol.12, no.5, May 1965.

## Table of contents translated

- Kantor, S.A., Frenkel', L.D. - Present status and prospects in the development of gas turbine power units p.2
- Uvarov, V.V., and others. - Highly efficient central gas turbine unit with 200 Mw rating p.7
- Op'khovskii, G.G. - Heat tests of the GT-25-700-1 gas turbine system p.16
- Antonovich, A.V., Tifl'skii, M.I., Tyryshkin, V.G. - Study of the operating temperature modes of the prototype of a GT-25-700 gas turbine p.20
- Dylan, E.P., and others. - Study of the cooling system of a seamlessly forged drum rotor of an experimental gas turbine p.26
- Gusak, I.A.M., Zatkovetskii, G.N. - Selection of the rotor material of an air-cooled gas turbine p.32
- Kozdoba, L.A., Kuznetsov, L.V. - Use of three-dimensional composite analog computers in the study of the temperature fields of a gas turbine rotor p.36
- Deich, M.E., Zariankin, A.E., Zatsaplin, M.F. - Results of the studies of the exhaust pipes of turbomachines with ring shaped diffusers p.40
- Ishutov, D.V., Poliakov, V.A., Kirnos, I.V. - Results of studying a model of the N-300-1,23 centrifugal supercharger p.44
- Livshits, S.P. - "Circulation coefficient" of a centrifugal compressor wheel p.48
- Sokolov, E.I.A., Kornetchev, A.I. - Selection of optimum electric and thermal power ratings for municipal heat and electric power plants p.54
- Sokolovskii, G.A., Fedorov, M.F. - Testing the last stage of the K-300-200 turbine developed by the S.M. Kirov Turbogenerator Factory in Kharkov p.59
- Boiko, L.D., Kruzhilin, G.N. - Conditions of heat transmission during the condensation of steam in parallel connected pipe clusters p.63
- Mitropolskii, E.L., Shitsman, M.E., Shneerova, R.I. - Effect of the heat stream and velocity on the hydraulic resistance of a steam and water mixture in pipes p.67

- Zholudov, I.A.S., Konoplev, E.I. - Calculation of the temperature mode of finned water walls. p.71.
- Baklavov, A.M., and others. - Electric film transducer for measuring air moisture. p.75.
- Khvoslov, V.I., Solonin, V.I. - Stand tests of a forced jet chamber for liquid fuel. p.77.
- Malov, V.I. - Separation of a mixture of a cation exchanger and anion exchanger by a method of homogeneous fluidization. p.81.
- Nosov, V.A., Sytomlatnikov, N.I. - Study of heat exchange in the flow of a gas suspension in pipes. p.84.
- Salmov, A.A., Gies', V.V. - Prevention of noise in gas-turbine electric power plants. p.87.
- Subbotin, V.I., and others. - Small thermocouples for measuring temperature in the reactor of the first atomic electric power plant. p.81.
- Tagor, S.A., Smirnov, A.S. - Construction of the I-θ diagram for combustion products taking into account the dissociation of CO<sub>2</sub> and H<sub>2</sub>O. p.94.
- Ivanov, V.L. - Approximate method for the analytical design of the cooling system of the vane lock of a gas turbine as proposed by I.T. Shvets and E.P. Dyban. p.95.
- TRAKTORY I SEL'KHOZMASHINY (TRACTORS AND AGRICULTURAL MACHINERY).** Organ of Gosudarstvennyi komitet avtotraktorovogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no.3, Mar. 1965. Table of contents translated.
- Tokovoi, V.N. - Design and basic indices of the TDT-55 timber skidding tractor. p.1.
- Velev, Nikola N. - Selecting some parameters for the gearbox of a tractor hydromechanical transmission. p.3.
- Lushchitskii, I.V. - Method for measuring the temperature of the surface of an injector atomizer. p.6.
- Lebedev, P.A., Sidorov, N.G. - Studying the interaction between a crawler tractor and the ground in turns. p.7.
- Livshits, I.U.L., Nosko, A.S. - Suspension of tractor trailers. p.10.
- Bel'skikh, V.I., Bagdasarov, N.V. - Determining the loading degree of an engine by means of an electric-light signaling mechanism. p.11.
- Paraov, A.G. - Determining impact forces acting on tractor-driven plows. p.14.
- Borlsov, V.I., Panasevich, I.S., Kulaev, A.N. - Characteristics of the wear of self-sharpening plowshares. p.16.
- Puzankov, A.G., Shepovailov, V.D. - Optimization of the process of separating grain mixtures on sieves. p.17.
- Karpusha, P.P. - Theory of ear-snapping rolls with grooved surfaces. p.20.
- Bataev, F.I. - Separating potatoes by the photoelectric method. p.23.
- Groshev, L.M. - Determining the load acting on the bearing structures of grain harvesting combines. p.26.
- Iagupov, M.K. - Studying an apparatus for flame cultivation. p.28.
- Kramorov, I.U.I., Karpukhin, B.D. - Use of 200 c.p.s. converters in the power supply of small shearing machines. p.30.
- Nikolaev, I.U.A., Kurnikov, I.I. - The ZhNT-2, 1 reel-less reaper. p.31.
- Bakul', V.N., and others. - Diamond machining of a hard-alloy tool. p.33.
- Vasmanov, V.V. - Improving the operation management of basic production. p.35.
- Alekhn, N.I., and others. - Welding hot-rolled metals without cleaning the place under welding. p.37.
- Grin'kov, I.U.V., and others. - Dynamic balancing of the drum of the INK-3, 5 chopper. p.39.
- Matveevskii, V.L. - Determining the expenditure of fuel during engine testing. p.41.
- Zhuravlov, B.I. - Pneumatic planter. p.42.
- Korenenko, E.S. - Machines of the German Democratic Republic for the mechanization of animal husbandry. p.42.
- Osobov, V.I. - Machines for haybriquetting. p.45.
- Kharitonov, B.K. - Exhibition and review of the achievements of innovators in machinery manufacture. p.47.
- Egorova, T.I. - The 10th conference on agricultural machinery. p.48.
- Selim el' Inam, Virabov, R.V. - Calculations for the steering gear trapezoid as a three-dimensional mechanism. p.9.
- Malikov, N.I. - Temperature conditions of a cylinder with uneven ribbing. p.11.
- Kukharev, M.N. - Studying the effect of the physical characteristics of fuel on the basic parameters of the process of atomizing. p.13.
- Khesin, A.I.A. - Full-flowing centrifuge for the SMD series of diesel engines. p.15.
- Bulanov, A.I. - Results of testing machines for handling mineral fertilizers. p.17.
- Ozol, I.A.G. - Selecting optimal parameters for farm manure spreaders. p.20.
- Baranov, L.A. - Process of the formation of the windrow for the ZhVN-10 wide-range reaper. p.22.
- Perstnev, S.N., Okorekov, I.F. - Optimal parameters for a reel of harvesting machinery. p.24.
- Koreishkov, V.I. - Methods for calculating the frame for general purpose plows. p.25.
- Kulebakin, P.G., Arzhanykh, A.I. - Studying the work of a harrow plow with inclined flat disks operating at increased speeds. p.29.
- Komarov, V.M. - Studying the distribution parts of machines for the placement of liquid fertilizers in soil. p.31.
- Gostev, V.A., Ibragimov, L.A. - Economic effectiveness of the use of tractors in the transportation of farm loads. p.33.
- Cherniak, A.A. - Theoretical bases of the process of transplanting seedlings. p.34.
- Slavin, R.M., Atakishiev, T.S. - Calculations of parameters for the cellular working parts of automatic machines for the collecting, selecting, and packing of eggs. p.35.
- Podkovskii, A.F. - The SZKP-24 grain combined press planter. p.37.
- Chelishvili, T.A., Nasaridze, D.S., Mel'nikov, L.A. - The "Sakartvelo" self-propelled tea plucking machine. p.38.
- Lipov, I.U.N., Falceev, M.N. - Rotary feeder for a continuous action loader. p.40.
- Martens, B.K. - Apparatus for measuring the viscosity of liquids. p.40.
- Nararova, T.N., and others. - Low 25KhMT1 a case-hardened steel for the pistons of tractor transmissions. p.42.
- Zlatopol'skii, M.I.A. - Automatic line for machining the plungers of the SMD-14 diesel engine. p.43.
- Terekhov, I.V., and others. - Frogs of tractor-driven plows from high-strength cast iron. p.45.
- Kopylov, M.K. - The "Farmoll"-5EO tractor. p.47.
- Claus, V.M. - At the Technical Council of the State Committee for the Tractor and Agricultural Machinery Industry. p.3 of cover.
- VESTNIK MASHINOSTROENIIA (MACHINE BUILDING REVIEW).** Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol.45, no.4, Apr. 1965. Table of contents translated.
- Orlin, A.S., Vyubov, D.N. - Outlook for the development of piston and combined internal combustion engines. p.3.
- Comments on Professor A.A. Chirkov's article: "New method for calculating the calorific intensity of internal combustion engines." p.8.
- Volchikov, L.I. - Determining reliability requirements for mechanisms and machine tools in automatic lines. p.13.
- Reshetov, D.N., Rakhovskii, O.A. - Designing clutches with a toroidal rubber-cord flexible element. p.20.
- Vlasov, V.I., Kokhan, L.S. - Calculating friction units of crank presses with retinax inserts. p.26.
- Aleksandrov, A.I.A. - Design of the shape of free piston rings. p.30.
- Afanasyov, M.M. - Gyroscopic moment of a disk. p.33.
- Gal'per, R.R., Garkavi, L.M. - Determining the coefficient of the nonuniformity of load along the width of herringbone-gear rims. p.35.
- Motychka, I. - Blinding of rough surfaces caused by loading. p.38.
- Kolarov, I., TS'rvenkov, N. - Determining the efficient shape for the grooving of belt conveyors. p.39.
- Zaichenko, I.Z., Myshevskii, L.M. - Investigating the irregularity of the discharge of double-acting vane pumps with relieved plates. p.41.
- Matvienko, V.P. - Unit for testing worm gears. p.47.
- Gurvich, O.S., Molchanov, P.N. - Unit for determining the coefficient of friction at temperatures up to 2500° C. p.60.
- Pavlovskaya, E.I. - Ceramic-metal filters for fine purification of liquids. p.52.
- Fomichev, V.K. - Analytic evaluation of the engineering efficiency of the production of metal structures. p.55.
- Anokhin, V.S. - Calculating finished sizes of axial gauges. p.60.
- Romanovskii, V.P. - Present state and trends in the development of cold stamping. p.62.
- Talantov, N.V., Glukhov, I.U.G. - Effect of the characteristics of contact yield of machined metal on the wear of cutting tools. p.66.
- Saksaganskii, A.D., Pashkevich, Z.I. - Calculating the efficiency of new machine types. p.70.
- Karlik, E.M. - Improving the quality of springs and increasing the economic efficiency of their manufacture. p.73.
- Akulov, D.F. - Eliminating industrial accidents. p.75.
- Berezov, B.M. - Development of the machinery industry in the German Democratic Republic. p.78.
- Glushkov, V.N. - The second scientific technical conference on heating. p.81.
- Gol'denberg, B.I.A. - Organization and mechanization of engineering and management work. p.82.
- At the State Committee of the Machinery Industry. p.83.
- Soviet innovations in the machinery industry. p.84.
- ZA BEZOPASNOST' DVIZHENIIA (FOR TRAFFIC SAFETY)** Issued by Otdel RUD-GAI Upravleniia okhrany obshchestvennogo poriadka Ispolkoma Mosgorsovieta [Traffic Department and the State Automobile Inspection Agency of the Administration for the Protection of Public Order of the Executive Committee of the Moscow City Soviet]. Moscow, vol.7, no.5(84), May 1965.
- ZA RULEM (AT THE WHEEL).** Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no.6, June 1965.
- ZHELEZNODOROZHNYI TRANSPORT (RAILROAD TRANSPORTATION).** Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol.47, no.3, Mar. 1965. Table of contents translated.
- Karelinikov, A.D., Voinchev, N.A. - Introduce the new advanced practices in the preparation of train sheets. p.3.
- Railroad transportation of the U.S.S.R. during 1964, technical and economic review. p.10.
- Afonichkin, N.I., Kotsaga, I.N., Korovin, N.I. - Efficient routing of car flows. p.14.
- Krasnobaev, N.I. - New developments in the organization of freight operations. p.17.
- Mar'in, M.V., Kisil'syn, P.I. - Use of humps in section stations. p.20.
- Perchik, V.P., Mazin, V.S. - Efficiency of the transfer of the management of industrial approach tracks to the main railroads. p.24.
- Naimukhamedov, R.Z., Timoshkov, V.M. - Electric locomotives prove to be effective in switching operations. p.26.
- Derevitskii, N.A. - Accelerating the turnaround of passenger car sets. p.29.
- Tikhomirov, I.G., Sytsko, P.A. - Increasing the speed and weight of freight trains on single-track lines. p.31.
- Kozlov, V.E., Safargalin, N.I. - Operation of two-track installations. p.35.
- Lilubov, V.I.A., Morozov, M.A. - Large-unit replacement and lifting system of electric locomotive repair. p.38.
- Kolida, G.N. - Efficient preparation of cars for loading. p.42.
- Medvedev, B.A., Rozinor, A.I. - Overall mechanization of box car repair in the repair shops. p.45.
- Skobelov, K.I., Kruchinin, V.P. - Reliable performance of the inverter. p.49.
- Bolkhovitinov, G.F. - Improving the utilization of the operative capacity of diesel locomotives. p.52.
- Rogdanov, F.I.A., Martynov, N.I. - What causes the displacement of wheels and ways of its prevention. p.57.
- Bykov, I.U.G., Gingol'd, M.I. - Regeneration braking on electric a.c. locomotives. p.61.
- Basilov, V.V. - Improvement of the rail profile is a must. p.62.
- Tiubachev, T.E. - Economics of production shops under the new conditions. p.65.
- Zhuravlev, A.I., and others. - Improvement of the economic work in stations. p.69.
- Kucharin, B.M. - Economic accounting of railroad organizations and calculation of the costs of operation. p.73.
- In the Colloquium of the Ministry of Railroad Transportation. Use more economically the fuel and power resources. p.76.
- Krylasev, D.F., Pospelov, V.I. - Coordinated train sheets in intraplant transportation. p.77.
- Zizenberg, G.K. - Automatic portal pusher truck for switching operations. p.79.
- Grubskii, I.E. - Electronic computers and the Gorkiy Railroad. p.82.

No.4, Apr. 1965.

Table of contents translated:

- Minchenko, M.E. - Design characteristics and basic indices of the new TT-4 timber skidding tractor. p.1.
- Koshman, V.N. - Reducing low-frequency vibrations affecting a tractor operator. p.3.
- Barskii, I.B., Kolodii, I.U.K., IUI Zhun-khua [Yu Jung-hua]. - Maximal dynamic loads in the transmission of a wheeled tractor. p.6.

Excursion and tourist trains. p.81.  
 Dem'lanov, N.V., Furman, E.S. - Ice molds made from glass plastics. p.85.  
 Railroad news. p.86.

## b MINING &amp; METALLURGY

AKADEMIA NAUK SSSR, Izvestia, Metall [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin, Metals]. Moscow, no.1, Jan.-Feb.1965.

Table of contents translated  
 Kulikov, I.S., Komissarov, G.M. - Thermodynamic analysis of the behavior of sulfur during the sintering of iron ores. p.3  
 Efimenko, G.G., Kovalev, D.A. - Wetting processes during the sintering of iron ores and concentrates p.11  
 Kopyrin, I.A., and others - Processes in the tuyere zone of a blast furnace p.18  
 Zaiko, V.P., Shilina, I.V. - Making low-phosphorus ferrochromium. p.21  
 Vorontsov, E.S., Byistrova, I.S. - Mechanism and kinetics of the dissociation of calcium carbonate. p.25  
 Nikitin, I.U.P., Sotnikov, A.I., Esin, O.A. - Studying the kinetics of the desulfurization of cast iron by slag by the method of alternating current polarization p.32  
 Donat, E.V. - Dispersity of the carried-off particles during the processing of granular materials in fluidized and suspended states. p.39  
 Vertman, A.A., Samarin, A.M. - Kinetics of the dissolution of carbon in liquid iron p.46  
 Burtsev, V.T., and others - Investigating with the help of a mass-spectrometer, the products of the decarburization reaction during the smelting of iron in vacuum p.55  
 Ishchuk, N.I.A., Prokhorenko, K.K. - Determining aluminum consumption for the deoxidation of steel p.59  
 Popel', S.I., and others - Effect of vanadium on the density and surface properties of liquid iron p.62.  
 Markhasev, B.I., Sidetskii, O.G. - Connection between electronegative characteristics and the thermodynamic activity of components in iron-base melts p.68.  
 Samarin, A.M., Volkov, S.E., Levenets, N.P. - Combined effect of phosphorus and oxygen on the surface tension of liquid iron p.71  
 Ershov, G.S. - Hydrogen diffusion in basic steelmaking slags p.78  
 Vasilutinskii, N.A., Movsesov, E.E. - Studying the process of titanium slag oxidation p.82  
 Vigdorovich, V.N., Vol'pian, A.E. - Using zone recrystallization for variable cross section ingots p.88  
 Sokolov, O.K. - Calculating the surface tension of certain sulfides and oxides with a melting temperature bordering on the inert phase. p.97  
 Belotskii, A.V., and others. - Martensite character of the intermediate transformation of austenite. p.104  
 Postnikov, V.S., Gorshkov, G.A. - Changes in the internal friction of aluminum, cadmium, and copper dependent on cyclic deformation p.108  
 Sandomirskii, M.M., Zavalov, A.S. - Effect of rare-earth metals on the susceptibility of structural steel to temper brittleness p.113  
 Pogrebnoi, E.N. - Processes of the formation and the elimination of porosities during the homogenization of hypereutectoid steel p.119  
 Sokolov, L.D. - High-temperature rapid dependence of resistance to deformation in steels. p.124  
 Pavlov, I.M., Mekhed, G.N., Suvorov, V.A. - Mechanical properties of binary iron-aluminum alloys p.136  
 Nesgovorov, L.I.A. - Metallographic investigation of the processes of the burning of iron in an air stream p.141  
 Ukshe, A.E., Stepanov, S.I., Bukun, N.G. - Behavior of hard metals in fused potassium chloride. p.148  
 Zakharov, A.M., Savitskii, E.M. - Studying the ternary constitutional diagram of W-Mo-Zr. p.150  
 Sviderskaia, Z.A., and others. - Effect of plastic deformation between thermal and age hardening operations on the properties and structure of the MA6 magnesium alloy. p.160  
 Bal'shin, M.I.U., Fedotov, S.G. - Contact and elastic characteristics of powder copper. p.160.  
 Alekseev, V.I., Shvartsman, L.A. - Investigating the thermodynamics of the formation of mixed iron-chromium carbides of the type  $(Fe_xCr_y)_{23}C_6$  p.173  
 Samsonov, G.V., Paderno, V.N. - Preparation and investigation of the physical properties of solid solutions of Ti, Zr, Nb, Ta carbides with the Hf carbide. p.180  
 Kornilov, I.I., Glazova, V.V. - Investigating phase equilibrium in the system Ti - Al<sub>2</sub>O<sub>3</sub> p.189  
 Balashev, V.I. - Conference on the beneficiation of tungsten and molybdenum ores, and the metallurgy of tungsten, molybdenum and rhenium p.196

AKADEMIA NAUK USSR, Kiev. Institut metalofiziki. Sbornik nauchnykh trudov [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R., Institute of the Physics of Metals, Papers]. Kiev, no.19, 1964.

Table of contents translated  
 Rjaboshapka, K.P. - Theory of X-ray scattering by crystals with a face-centered cubic lattice containing a chaotic distribution of dislocation loops. p.3.  
 Rjaboshapka, K.P. - Theory of X-ray scattering by crystals with a body-centered cubic lattice containing chaotically distributed rectilinear dislocations. p.19.  
 Ivanov, M.A., Krivoglas, M.A. - Damping of phonons in solid solutions. p.28.  
 Mil'man, I.U.V., Trefilov, V.I. - Nature of the "yield tooth." p.46.  
 Mil'man, I.U.V., Trefilov, V.I., Khomenko, G.E. - Temperature dependence of the electromechanical effect in covalent crystals. p.51.  
 Butylenko, A.K., Gridnev, V.N. - Investigating the plastic properties of alloys of chromium with transition metals. p.54.  
 Lysak, L.I., Veksler, E.I.A., Drachinskaja, A.G. - Changes in the mechanical properties and imperfections in the crystal structure during the quenching of hardened steel of the pearlitic class. p.69.  
 Dekhtiar, I.A., Madatova, E.G. - Irreversible shape changes of pure metals during cyclic heat treatment. p.74.  
 Gridnev, V.N., Petrov, I.U.N. - Electron microscopy of the structure of electrotempered steel. p.80.  
 Larikov, L.N., Iurchenko, I.U.F. - Calorimetric investigation of the thermal effects during the tempering of hardened steel. p.87.  
 Romanova, A.V., Kuchak, G.M. - X-ray investigation of a liquid indium-tin alloy with an eutectic composition. p.95.  
 Rizdianetskii, D.R. - Ordering of ferromagnetic alloys with a Fe<sub>2</sub>Si type lattice. p.102.  
 Butylenko, A.K., Gridnev, V.N. - Electric properties and volumetric effects in the field of the Néel temperature in alloys of chromium with transition metals. p.116.  
 Dekhtiar, I.A., Levina, D.A., Mikhalevskii, V.S. - Effect of plastic deformation on the annihilation spectra of positrons with electrons in metals. p.127.  
 Kaverina, S.N., Levin, G.I. - Electron microscopy of the domain structure of thin iron films. p.132.  
 Matysina, Z.A., Smitinov, A.A. - Theory of the ordering of alloys with a lattice parameter depending on the composition and degree of order. p.136.  
 Larikov, L.N., Petrov, I.U.N., Borinskaja, S.T. - Investigating structural changes with a two-phase mechanism of decay in a nickel-beryllium alloy. p.148.  
 Nesterenko, E.G., Chulstov, K.V. - Studying the effect of anomalous X-ray scattering in copper-titanium alloys subject to decomposition. p.155.  
 Lysak, L.I., Drachinskaja, A.G. - Effect of slow-low temperature tempering on changes in the structure and properties of steel during subsequent tempering. p.161.  
 Gridnev, B.N., Meshkov, I.U.I.A., Oshkaderov, S.P. - Composition of austenite formed during the rapid heating of steel. p.165.  
 Ovsienko, D.E., Alfintsev, G.A. - Studying the linear rate of crystallization of salt from melts. p.170.  
 Iatsenko, T.K., Chernala, L.F. - Nickel diffusion in niobium. p.183.  
 Larikov, L.N., Maksimenko, E.A. - Kinetics of the anomalous growth of austenitic grains in steel. p.187.  
 Svechnikov, V.N., Kocherzhinskii, I.U.A., Latysheva, V.I. - Constitutional diagrams of the systems NbCr<sub>2</sub> - TiCr<sub>2</sub> and NbCr<sub>2</sub> - Ti. p.192.  
 Svechnikov, V.N., Pan, V.M., Kobel'man, V.G. - Constitutional diagram of the system niobium - nickel. p.196.  
 Svechnikov, V.N., Shurin, A.K., Dmitrieva, G.P. - Phase equilibrium diagram of the system Hf - Ta in the solid state. p.206.  
 Iupko, L.M., Kocherzhinskii, I.U.A., Svechnikov, V.N. - Chromium - silicon diagram. p.212.  
 Larikov, L.N., Zasl'mchuk, E.E. - Experimental methods of studying the kinetics of recrystallization in metals. p.219.  
 Lysak, L.I., Nikolov, B.I. - Etch spirals on Fe-Mn-C steel. p.234.

No. 20, 1964.

Table of contents translated  
 Mil'man, I.U.V., Racher, A.P., Trefilov, V.I. - Investigating the mechanism of deformation and brittle failure of transition metal alloys on a base of the group VIA metals. p.3.  
 Gridnev, V.N., and others. - Plasticity of chromium alloyed with yttrium. p.25.  
 Dekhtiar, I.A. - Thermal fatigue of metals. p.32.  
 Kozyskii, G.I.A., Okrainets, P.N., Petronia, G.A. - Characteristics of the structure of nickel with a high resistance to creep. p.42.

Belous, O.A., Efimov, A.I., Kushnareva, N.P. - Investigating internal friction in nickel at high temperatures. p.52.  
 Larikov, L.N., Iurchenko, I.U.F. - Investigating thermal and volumetric effects during the annealing of cold-worked patented steel. p.64.  
 Dekhtiar, I.A., Polotniuk, V.V. - Effect of changes in the density of dislocations during deformation and annealing on the magnetic characteristics of nickel. p.67.  
 Polotniuk, V.V. - Effect of interstitial atoms on the coercive strength of ferromagnetic materials. p.80.  
 Lesnik, A.G., Pushkai, V.N. - Incoherent spin in films with a poorly expressed anisotropy p.85.  
 Borisova, V.I., Madatova, E.G. - Effect of cyclic heat treatment and plastic deformation on the magnetic properties of permalloys p.88.  
 Svechnikov, V.N., Kocherzhinskii, I.U.A., Iupko, L.M. - Structure and properties of alloys in the system molybdenum - silicon - chromium p.94.  
 Alfintseva, R.A., and others. - Investigating chromium-iron-molybdenum and chromium-iron-tungsten alloys. p.108.  
 Kocherzhinskii, I.U.A., Latysheva, V.I. - Fusibility diagram of the system chromium - niobium - titanium. p.125.  
 Pan, V.M. - Effect of the degree of purity of certain high-melting metals on their melting points p.130.  
 Ryzhkov, V.I. - Theory of the ordering of binary alloys with a body-centered cubic lattice having interstitial atoms of a third element. p.133.  
 Gridnev, V.N., Meshkov, I.U.I.A., Oshkaderov, S.P. - Diagram of the isothermal formation of austenite in steel. p.148.  
 Lysak, L.I., Nikolov, B.I. - Crystallostructural changes with martensitic transformations  $\gamma \rightarrow \epsilon \rightarrow \alpha$ . p.154.  
 Iatsenko, T.K. - Effect of cadmium on the intercrystalline self-diffusion of silver. p.165.  
 Efimov, A.I., Zemskii, S.V. - Investigating the distribution of phosphorus in iron-base alloys by the method of autoradiography. p.171.  
 Chernenko, N.F. - Investigating transformations in cobalt during rapid heating p.180.  
 Epifanov, V.G., Lesnik, A.G. - Zone melting of metals in water-cooled copper crucibles. p.185.  
 Larikov, L.N., Iurchenko, I.U.F. - Methods of investigating small volumetric changes. p.191.  
 Meshkov, I.U.I.A., Oshkaderov, S.P., Chernenko, N.F. - Equipment for complex investigations of phase transformations under the effect of rapid heating p.198.

BURENIE [DRILLING]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neflanoi, neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry], Moscow, no.1, 1964.

Table of contents translated  
 Babakov, N.K. - Chemistry and the petroleum industry p.3.  
 Rodkin, A.A. - Fifty-six hundred meters of footage per rig in a month. p.7.  
 Kuznetsov, E.M. - Natural gas drilling. p.10.  
 Grebennikov, N.P., Vedonin, V.I. - Drilling a deep well in salt-bearing sediments. p.13.  
 Prutianov, I.P. - New methods for eliminating circulation losses in Kuybyshev Province. p.17.  
 Loshkarev, K.I., Gerzhboit, I.U.M., Shan'gin, A.N. - Preventing hole deviation of wells in the oil fields of the Chechen-Ingush A.S.S.R. p.18.  
 Balandin, P.S., and others. - Core recovery from producing horizons using DKNU "Ufimel" core assemblies p.20.  
 Pytel', S.P., and others - Stabilizing saline clay muds with gipsum in wells with high bottom temperature p.25.  
 Katenev, E.N., Novokhatskii, D.F., Ostapenko, A.A. - Results of the investigation and use of belito-siliceous cement in Stavropol Territory. p.29.

No. 2, 1964.

Table of contents translated  
 Shakhmaev, Z.M., Sindikova, N.V. - Using ilmo muds for drilling in the crumbling rocks of the Bavi series. p.9.  
 Iatrov, S.N., Reznichenko, I.N., Dzhangirov, S.S. - Controlling the solid-phase content in drilling muds using an ejector-hydrocyclonic device. p.15.  
 Mamadzhanyan, U.D., Pulatov, Z., Rakhimov, A.K. - Using lightweight cement grouting and methods for reducing the permeability of the stone from this grouting. p.9.  
 Krivoborodov, R.T., Sidorov, I.A. - Using pozvolan cement. p.11.  
 Tsel'tsin, V.G. - Causes of annular gas showings after cementing gas-well casings and methods for their prevention. p.16.

Karmanov, I. A. - Determining the maximum bottom temperature and well temperatures from the point of view of cementing. p. 19.  
Tishchenko, A. V. - Bench testing joints for airtightness. p. 22.

## No. 3, 1964.

Table of contents translated:  
Mishchenko, V. I. - Achievements of the drillers of Bashkiria. p. 3.  
Grigorian, N. A. - Selecting bits for drilling slant holes. p. 6.  
Pustovoienko, I. P., Sel'vashchuk, A. P. - Preventing the bending and sagging of liners. p. 8.  
Sildikov, G. A. - Packer for investigating absorption beds and injecting hardening muds into permeable beds. p. 12.  
Berezhnoi, A. I., and others. - Foam damper on an organosilicone base for clay muds. p. 16.  
Reznichenko, I. N. - Design and calculation of ejector-hydrocyclone devices for controlling the content and composition of the solid phase of weighting materials for drilling fluids. p. 17.  
Ivanova, E. G., and others. - Using nonionogenic surfactant additives to water when drilling in producing strata. p. 23.  
Romanovich, I. S. - Packer for the separate testing of formations. p. 26.  
Avdeev, I. A., Gamzatov, S. M., Lykov, E. A. - Controlling a gas jet well No. 1 in the Kultak area. p. 29.

## No. 4, 1964.

Table of contents translated:  
Abdrakhmanov, G. S., Krylov, V. I., Sukhenko, N. I. - Hydraulic expander for increasing the diameter of a well. p. 3.  
Grachev, B. A., Iurin, I. U. N. - EBT-1 electric wireless turbolachometer. p. 5.  
Pustovoienko, I. P., Katkov, S. V. - Recovery of pipes with welded semijoints. p. 9.  
Popkova, L. M., and others. - First test of the use of chromates to increase the heat resistance of clay muds. p. 12.  
Kister, E. G., and others. - Treating drilling fluids with chromates. p. 14.  
Shebekina, E. D., Fridman, I. D. - Permissible content of finely dispersed fractions in barite. p. 18.  
Vinarskii, M. S., Ponedelin, L. A. - Method for determining the structural-mechanical properties of cement muds and plugging mixtures. p. 21.  
Ashraf'yan, M. O., Bulatov, A. I. - Treating plugging solutions with potassium bichromate and "gipson" for use in high-temperature wells. p. 26.  
Gubunia, G. V. - Device for suspending a liner and making the intermediate casing airtight. p. 29.  
Lalsafins, M. L., Ganichev, V. G. - Testing experimental models of elongated casing lines for deep drilling. p. 32.  
Reznichenko, I. N., Bekukh, I. I. - Design and calculation of hydraulic mixers. p. 34.

## No. 5, 1964.

Table of contents translated:  
Bikchurin, T. N., Musin, F. S. - Ways for increasing the percentage of core recovery when drilling with No. 8 and 9 bits. p. 3.  
Rodkin, A. A. - Efficient cement flow when eliminating sloughing zones in wells. p. 5.  
Salamov, M. I. U., Nazarov, P. G., Detin, G. D. - Efficient use of a barite weighting material. p. 9.  
Gadzhiev, S. A., Avanesova, A. M. - Viscosity meter for determining the structural-mechanical indices of clay muds at high temperature. p. 12.  
Tikov, N. I., and others. - Method for determining the strength and character of the adhesion of polymers to rocks. p. 16.  
Baranovskii, M. I. - Efficiency of drilling wells of various diameters in the Ukrainian S.S.R. p. 18.  
Logvinenko, S. V. - Nomogram for determining the delivery and permissible pressure of a piston pump in the ZTsA-400 cementing assembly. p. 21.  
Pustovoienko, I. P., Katkov, S. V. - Breakdown of metal objects at the well bottom. p. 22.

## No. 6, 1964.

Table of contents translated:  
Grigor'ev, P. N. - Bits with V-shaped teeth used in boreholes of the Tatar A.S.S.R. p. 3.  
Khakhaev, B. N., and others. - Using fishing instruments for metal in the Ural Gas and Oil Prospecting Trust. p. 4.  
Drobyshevskaya, N. I., Murav'eva, N. D. - Effect of the chemical composition of the salts composing a section of a well on the quality of the drilling fluid. p. 8.  
Maril'osov, N. I. A., Nikitin, I. U. Z. - Treatment of drilling fluid when drilling the Galyugaevskaya well No. 1 to a depth of 5600 m. p. 10.  
Rakhimkulov, R. Sh., Khangildin, G. N. - Instrument for measuring the apparent viscosity of cement slurry. p. 14.

Abdulin, F. S., and others. - Drilling-in a clay gas-bearing bed using a saline drilling fluid. p. 18.  
Razantsev, N. F. - Selecting liners and determining the loads on them when testing deep wells. p. 21.

## No. 7, 1964.

Table of contents translated:  
Karnakhov, L. A. - Industrial tests of RDRT-140 bits. p. 3.  
Lopatkin, V. A., Mukhin, L. K. - Analyzing complications in case of drilling of deep wells in unstable clay material. p. 5.  
Krylov, V. I., Abdrakhmanov, G. S., Sukhenko, N. I. - Use of drillable packers to exclude circulation-loss zones and cavings. p. 8.  
Kukin, A. N. - Efficient complexes of geophysical and hydrodynamic investigations of absorbing horizons in Volga-Ural regions. p. 10.  
Prutianov, I. P., Iastrebov, V. V. - Eliminating serious circulation loss in well No. 1 in the prospecting region of Tyube-Galan in the Uzbek S.S.R. p. 14.  
Skal'skaya, U. L., and others. - Using hydrolyzed polyacrylamide to stabilize clay muds. p. 18.  
Koleznikova, T. I., and others. - Using modified starch in case of drilling in salt-bearing sediments in eastern Turkmenistan. p. 20.  
Rakhimkulov, R. Sh., Solov'ev, E. M. - Effect of additives on the mobility of cement slurry. p. 23.

## No. 8, 1964.

Table of contents translated:  
Seid-Rza, M. K., and others. - Stability of walls in deep wells during drillings. p. 3.  
Kechekozian, A. N., Vol'ison, V. I. - Test drilling with No. 7 bits in Bashkiria. p. 6.  
Krylov, V. I., Sukhenko, N. I., Abdrakhmanov, G. S. - Drillable packer with a self-sealing chamber. p. 10.  
Gurvich, G. A., Murav'eva, N. B. - Using an emulsion clay mud in the development of salt formations. p. 12.  
Druzhkova, L. M. - Preparing drilling fluid from dry muds with the simultaneous use of a hydrocyclone and a hydraulic funnel. p. 14.  
Gorodnov, V. D., and others. - Effect of variable temperatures on the swelling of clay material. p. 17.  
Bagirov, K. G. - Determining the rate of inflow in reservoir testing. p. 20.  
Masich, V. I., Pouchik, A. I., Shandin, S. N. - Analyzing the organization of work done on the testing and sampling of wells of the Middle-Voga Council for the National Economy. p. 23.

## No. 9, 1964.

Table of contents translated:  
Dorodnov, I. P. - Operations with core bits under the complex conditions of deep drilling in the Cretaceous sediments of the Chechen-Ingush A.S.S.R. p. 3.  
Bodnaruk, T. M., Mandrus, V. I., Maikhumak, N. I. - Core sampling in areas of the Carpathian Mountain region. p. 5.  
Reznichenko, I. N., Dzhangirov, S. S., Bekukh, I. I. - Using square drill collars to prevent well deviation. p. 6.  
Aleksiev, M. V., Il'iasov, E. P., Krylov, V. I. - Determining the quantity and quality of plugging mixtures for excluding circulation-loss zones. p. 9.  
Avetisyan, N. G., Grigor'ev, V. I. - Changes in the configuration of a hole due to the contact pressure of a curved and vibrating drilling-string bottom. p. 12.  
Kapuslin, I. I. A. - Method for the simultaneous exclusion of two drilling-fluid circulation-loss zones. p. 14.  
Dvorotskii, A. S. - Efficiency of the combination of hoisting and lowering machinery in drilling. p. 16.  
Aleksandrov, A. A. - Using waste waters to eliminate freezing of the drilling tool. p. 18.  
Kechekozian, A. N., Baltun, M. K. - Possibility of lightening and simplifying the standard design of wells on the Zhetysay oil field on Mangyshlak Peninsula. p. 19.  
Kalinin, S. G. - Effect of resistance forces in a well on the dynamic loads in the drilling string when it is hoisted. p. 21.  
Degtev, N. I., Berezhnoi, A. I. - Measuring the specific weight of gas-cut muds. p. 23.  
Rakhimov, A. K., Ganiev, G. G., Gorodnov, V. D. - Treatment of clay muds in regions of southwestern Uzbekistan. p. 27.  
Mamdzhanov, U. D., Turapov, M. K. - Industrial utilization of reagents on a base of acrylate. p. 29.  
Deniak, Z. A. - Preparation of clay muds in fluid jet mills. p. 31.  
Shul'gin, V. V. - Using a correction hydrometer for measuring the density of clay and cement muds. p. 34.  
Lutsenko, N. A., Obratsov, O. I. - Lightened fibrous cement muds. p. 35.

Shikh-Mamedov Nuri-Mamed. - Lowering an 8-inch liner into a 10-inch string. p. 39.

## No. 11, 1964.

Table of contents translated:  
Safonov, A. G., Kurochkin, B. M., Khabibullin, R. A. - Well drilling with water flushing to a predetermined depth in Romashkino oil field. p. 3.  
Kudiev, S. M., and others. - DSGZL tapering bits and experience in their use. p. 6.  
Lebedev, L. A., and others. - Investigating clay-mud circulation-loss zones in Stavropol Territory under conditions of increased bottom temperatures. p. 8.  
Seid-Rza, M. K., and others. - Effect of the magnetization of a drilling tool on the occurrence of complications. p. 12.  
Levkin, I. T. - Treating clay muds with "gipson" in Tajikistan. p. 15.  
Varlamov, P. S. - Using foam testers lowered into a well on a cable. p. 16.  
Khivostov, S. P. - Using combined metal block platforms on rubble-concrete bases and precast structural units. p. 20.  
Tarasenko, A. I. - Determining the economic efficiency of the introduction of machinery for hoisting and lowering operations in deep drilling. p. 22.  
Gayzov, I. S., Moldavskii, O. P., Chuprov, F. F. - Testing diamond bits in Saratov Province. p. 25.  
Eilikh, G. M., Vartanova, N. A., Lisigarten, B. M. - Field tests of high-strength drill pipes and casing. p. 28.  
Driuchin, I. U. P., Golod'ko, B. I. - Drilling with diamond bits in solid nonabrasive rocks. p. 29.  
Nikolai Mitrofanovich Karpenko; obituary. p. 40.

## No. 12, 1964.

Table of contents translated:  
Mukarov, M. U. - Increasing the capacity of roller bits when using central replaceable circulating nozzles of the Ufa Petroleum Scientific Research Institute. p. 3.  
Shibikhin, I. M., Iunosov, I. A. B., Iagafarov, M. G. - Testing diamond bits with double core assemblies. p. 7.  
Ryslin, R. E. - Stabilizing clay muds on the Zhetysay oil field. p. 11.  
Gorodnov, V. D., Rakhimov, A. K., Ganiev, G. G. - Using soap stock as an antifouling agent. p. 13.  
Deniak, Z. A., and others. - Enrichment of clay muds using jet mills. p. 15.  
Pustovoienko, I. P. - Preparing and weighting drilling fluids using jet mills. p. 17.  
Nazarov, P. G., Dadashov, N. G., Dadashova, S. S. - Weighted cement slurry for deep wells. p. 19.  
Sul'gisov, G. M., Smirnov, A. P., Zhdikov, I. U. D. - Effect of the diameter of a casing string on the specific consumption of metal. p. 20.

## No. 1, 1965.

Table of contents translated:  
Alekhin, L. G. - Development of oil well drilling technology. p. 3.  
Bikchurin, T. N., Muradov, M. P., Kozlov, F. A. - Cave formation and the efficiency of methods for its control in the Novo-Ekhovskaya oil field. p. 7.  
Avilov, V. I., Edigarov, G. M. - Reinforcing deep prospecting wells with liners. p. 11.  
Ledovskii, V. I. A. - Efficient sizes of drill collars for wells of small diameter. p. 13.  
Filin, P. V., Sychev, N. M. - Controlling circulation loss in drilling. p. 16.  
Kudria, N. A., Lindo, G. V., Shunatov, N. M. - Bench tests of 8N-2140K roller bits reinforced with various types of hard alloys. p. 19.  
Dorodnov, I. P. - Ways to increase the number of samples from the Cretaceous sediments of the oil fields of the State All-Union Association of the Grozny Oil and Gas Industry. p. 21.  
Svikhushin, N. M., Tu, V. D. - Effect of the solid and colloidal phases of clay mud on the reduction of the permeability of the bottom zone. p. 22.  
Perehik, A. I., Masich, V. I. - Taking samples from wells using testers in the process of drilling. p. 25.  
Buchin, A. N., Bucheva, Y. N. - Economic efficiency of two-stage oil-pool drilling. p. 29.  
Serenko, I. A., Kuprianov, A. M. - Potentials for increasing the indices of oil and gas well drilling. p. 31.  
Kiseil'man, M. L. - Wear of casing strings. p. 34.

## No. 2, 1965.

Table of contents translated:  
Rodkin, A. A. - Oil well drilling of foreman D. M. Nurislamov's crew. p. 3.  
Mezhumov, A. O. - Aeration of drilling fluid in oil well drilling. p. 10.  
Kulov, S. M., Sadykhov, I. U. V., Makhmudov, T. M. - Power losses in the operation of a turbodrill with a drill collar on the shaft. p. 13.

- Sukurenko, E.I., Grigor'ev, V.I., Bondarev, V.I. - Causes of circulation loss in the oil fields of the Kuban. p.15
- Moldavskii, O.P., Kvitsko, V.M. - Core sampling using sectional core turbobits. p.18
- Pen'kov, A.I., Lobkarev, M.V., Shneider, V.P. - Effect of calcium muds on the stability of the well bore. p.21
- Kapustin, I.A., Zinov'ev, I.I. - Improving the technology of cementing circulation-loss zones. p.25
- Apanovich, I.U.G., and others. - Cementing and lowering the second intermediate string-liner into the deep Aral-Sor well No.1. p.28
- Putnii, M.P., Filin, P.V., Davydov, I.A. - Placement of rubber-cement bridges in wells. p.28
- Kolesnikov, P.I., Krasiuk, A.D., Brinsev, A.I. - Using testers in the fields of the Stavropol region. p.31
- Gumerov, R.Kh., and others. - Analyzing methods for using drilling lines whose length is greater than that of the line string-up in enterprises of the Tuymazy Oil Well Drilling Trust. p.35

## No 3, 1965

- Table of contents translated
- Pen'kov, A.I., Luk'yanov, V.A. - Freezing of a tool and the evaluation of drilling muds. p.3
- Adullaev, N.N. - Oil well drilling in the Kyursangya area. p.7
- Krylov, V.I., Blinov, G.S., Rylov, N.I. - Deep well investigations conducted with a view to studying the structure of an absorbing bed. p.10
- Pechorin, O.M., Sine'nikov, F.I.A. - Osmotic pressure as a possible cause of the formation of cavities in wells. p.14
- Shevaldin, I.E., Iusupov, I.G., Akhmetzhanov, E.K. - Evaluating rock cavitation on the basis of logging data. p.17
- Marmylev, V.E., Kazakov, D.E. - Using Mi-6 helicopters to transport drilling equipment in Western Siberia. p.20
- Kolokol'tsev, V.A. - Obtaining the qualitative inflow curve when working with testers. p.24
- Pustovoi'tenko, I.P. - Amount of water required for the regulation of acid baths. p.28
- Reshetnikov, N.P., Gurinovich, E.A. - Damping open gushers by means of hydraulic fracturing of impermeable rocks. p.27
- Shakmaev, Z., and others. - Exclusion of a circulation-loss zone using a packer. p.29
- Levin, E.A., Loylin, S.A., Mordasov, V.V. - Basis for selecting the magnitude for torpedo charges in oil well shooting with a view to breaking pipes. p.34

## No 4, 1965

- Table of contents translated:
- Berkovich, M.I.A., Matiushin, P.N., Kornonogov, A.P. - Cooling of bits in the air drilling of wells. p.3
- Bikchurina, T.N., Isatullin, R.Kh., Kozlov, F.A. - Effect of the power supplied to bits of decreased diameter on the indices of their operations. p.4
- Movsumov, A.A., Aliev, M.G., Zargary, Kh.F. - Determining the hydrodynamic pressure on the well wall during hoisting and lowering operations. p.10
- Zil'bershmidt, V.G., Gorbach, N.L. - Drilling structural-prospecting wells in salt sediments. p.12
- Serenko, I.A., Rysin, V.A., Kuprianov, A.M. - Lowering casing strings to a predetermined depth under complex geological conditions. p.13
- Borodin, I.L., Matveev, D.F., Shmel'kov, V.E. - Method for determining the optimal time for waiting on cement when setting bridges. p.15
- a well on the 18. ko, V.V. - rust tum uds ur mud. ume p

- Krylov, V.I., and others. - Excluding intensive circulation-loss zones using a hydraulic-mechanical packer. p.11
- Seld-Riv, M.K., and others. - Causes of contractions of the hole and cave-ins in wells being drilled. p.13
- Loshkarev, K.I., and others. - Using a tool assembly with small annular clearances. p.17
- Levchenko, A.T., and others. - Using 5-inch tubodrills with diamond bits. p.20
- Aronov, I.U.A., Vasil'ev, I.U.S., Kalinin, A.G. - Using turbine whelpstocks. p.21
- Fingonov, I.S. - Lightened fibrous slag-silicate slurry for cementing casing strings in wells with a temperature of 100-150°C. p.24
- Zenchenko, I.U.N. - Optimal quantity of calcium chloride in plugging muds. p.26
- Dzhangirov, S.S., Noi, A.M. - Cementing production strings under conditions of low reservoir pressures. p.28
- Reznichenko, I.N., Kolenbet, S.P., Kovaleva, Z.S. - Results of an investigation of the operation of the UPR-R-2 unit in the regeneration of a weighting agent from weighted muds. p.32

## \*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Sverdlovsk, vol.10, no.4, Apr. 1965.

- Table of contents translated;
- Onoprienko, L.G. - Coupled oscillations of electronic and magnetic subsystems in ferromagnetic materials. Part 1: Magneto-uniaxial single-domain ferroelectric. p.481
- Kaganov, M.I., Fiks, V.B. - Sound excitation in metallic films by electric currents. p.489
- Kirilova, M.M., Charikov, B.A. - Quantum light absorption by certain transition metals. p.495
- Vu Din' Ky [Vu Dinh Cu], Kuritsyna, E.F. - Hall effect in thin permalloy films. p.501
- Polivanov, K.M., Frumkin, A.L., Khersonskii, M.S. - Hysteresis loops of thin magnetic films with a "negative" area. p.506
- Radovskii, I.Z., Sidorenko, F.A., Gel'd, P.V. - Magnetic susceptibility and valent state of the atoms of manganese in its highest silicide. p.514
- Magat, L.M. - X-ray study of the decomposition of a supersaturated solid solution in the "tkonal" alloy. p.521
- Arbuzov, M.P., Pavlukov, A.A., Khaenko, B.V. - X-ray study of structural transformations during the aging of the "anko-4" alloy. Part 2: Effects of anomalous scattering caused by the initial stages of the decomposition of solid solutions. p.530
- Shur, I.A.S., Dragoshanskii, I.U.N. - Nucleation and growth of magnetic reversal in cobalt crystals. p.536
- Shubina, T.S., Sidorenko, F.A., Gel'd, P.V. - Magnetic susceptibility and valent state of iron monosilicide atoms. p.544
- Nemmonov, S.A. - Electronic structure and certain properties of transition metals and alloys of the 1st, 2d, and 3d long periods. Part 1. p.550
- Kopan, V.S. - Determining the concentration of non-equilibrium vacancies in metals by the dilatometric method. p.569
- Mirkin, L.I. - Nucleation of new crystals during the interaction between tin and liquid gallium. p.577
- Kamenetskaya, D.S., Rakhmanova, E.P., Spektor, E.Z. - Certain characteristics of the crystallization of supercooled binary alloys. p.583
- Fokina, E.A., Smirnov, L.V., Sadovskii, V.D. - Effect of a pulsating magnetic field on the position of the temperature range of martensite transformations in steel. p.592
- Rovinskii, B.M., Rybakova, L.M. - Width of the diffraction lines on X-ray patterns of strain-hardened metals. p.598
- Drachinskii, A.S., Moiseev, V.F., Trefilov, V.I. - Conditions for the transition from slip to twinning. p.602
- Nechal, E.P., Popov, K.V. - Jumpslike deformation of nickel with a high hydrogen content. p.612
- Atroshtchenko, E.S., Pashkov, P.O., Rladinskaya, I.M. - Hardening of metals under the effect of explosive loading conditions. p.619
- Popov, L.E., Panin, V.E. - Detachment of a split dislocation from the Suzuki atmosphere. p.624
- Davidovich, N.M., Dorin, V.A. - Screw dislocations in diffusion layers. p.626
- Gindin, I.A., Nekhludov, I.M., Smelova, D.F. - Influence of grain size on the effect of iron hardening during programmed loading. p.627
- Azizov, I.A., Nosyreva, E.S., Popov, K.V. - Characteristics of the low-temperature peak of internal friction in steel in the presence of manganese. p.629
- Perkas, M.D., Potapov, L.P. - Changes in the physical properties of martensite during aging. p.631
- Volkenshteyn, N.V., Fedorov, G.V., Grigorova, I.K. - Spontaneous Hall coefficient in pure nickel in low-temperature regions. p.633
- Vatolin, N.A., Dubinin, F.L. - Electric transfer of silicon, phosphorus, and sulfur in liquid cast iron and copper. p.634
- Shugar, B.F., Shataev, A.M. - Heat effect in gray cast iron during annealing following irradiation by gamma rays. p.636
- Solfer, L.M., Shchegoleva, Z.A. - Studying the background in single crystals of antimony. p.637
- GORN'YI ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet po chernoi i tsvalnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no.3, May 1965.
- Table of contents translated
- Seiakov, A.E. - The Abakan mine is striving for profitability. p.3
- Sedlov, M.G., Iofin, S.L. - Creative cooperation of science and industry at the Zyryanovsk lead combine. p.5
- Vol'fson, P.M. - Methods of determining and ways of increasing the efficiency of stoping in the Krivoy Rog Basin. p.8
- Levitskii, I.S. - Experience of the economics laboratory and organization of production at the Northern Urals bauxite mine. p.12
- Bogolubov, B.P., Astar'ev, I.U.P. - Utilization of workings in strip mines. p.14
- Belikov, I.U.I., Reznik, A.V., Solodnikov, G.S. - Using artificial caving of the blasted rock in strip mines. p.20
- Vlasov, V.N., Trofimovich, A.G., Gabitov, R.Kh. - Ore drawing with vibration hauling and loading equipment. p.23
- Shkuta, E.L., Lugovskii, S.I., Oshmanskii, I.B. - Potentials of mine ventilation. p.26
- Kucheravskii, F.I., and others. - Using inclined boreholes in limestone quarries. p.31
- Sukhanov, A.F., and others. - Determining the optimal conditions for roller boring in hard, mildly abrasive rock in strip mines. p.35
- Antonov, N.G., Grudobk, A.N., Korobochkin, K.I. - Mastering the P-25 roller-boring machine at the Magnitogorsk mine. p.39
- Davidants, G.P. - Self-propelled equipment for hydraulic mechanization. p.42
- Voronova, N.A., Tesluk, A.K., Nikanorova, N.S. - Abrasion-resistant alloys for the bucket teeth of the EKG-4 excavator. p.45
- Vagin, V.V. - Stone casting should be more widely used at Krivoy Rog Basin mining and ore dressing combines. p.48
- Zitser, I.S., Litvin, V.A., Panushkin, P.P. - Using wear-resistant slag casting. p.51
- Khivrenko, A.F., Raskin, I.A. - Results of testing the powerful VRTsD-4 5 mine fan. p.52
- Estn, N.N., Zhuravlev, K.I. - The air hammer reamer is a new boring head. p.54
- Svechkov, V.D. - Feeders for ore crushing mills. p.55
- Blus, M.S., Iaroshenko, N.P. - Automation of the operation of a converter-type substitution at the "Atom-1" mine. p.56
- Bagriantsova, Z.A., Kravchenko, I.A.S. - Indicator devices for locating the position of the actuating mechanism of a rotary excavator. p.58
- Belan, I.U.M., and others. - Continuous automatic control of the composition of flue gases. p.60
- Smirnov, A.F. - Size of the angles of fracture in ore deposits. p.61
- Margulis, V.S., and others. - Mastering the technology of the beneficiation of magnetite quartzites at the Northern Mining and Ore Dressing Combine. p.65
- Valentiev, V.I., Gritsal, I.U.I., Tatarenko, I.A. - Restoring the filtration properties of a capron cloth. p.70
- Malyi, P.S., Dindechkin, N.I. - Short delayed blasting in the sinking of shafts and making junctions. p.72
- Vershinin, P.P., Ermakov, A.P. - Using automatic intake BUSP-2 hydraulic coal dredgers for the cleaning of water sumps. p.73
- Borokhovskii, A.I., Veselovskaya, E.S. - Cleaning contaminated water from mechanical admixtures in a hydrocyclone. p.74
- All-Union inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy. p.78
- Wider use of plastics. p.78
- All-Union scientific and technical seminar on the drainage of deep mines. p.80
- Kalandadze, V.A., Goshikhovskii, L.V. - Review of the book by I.I. Zarabishvili "Underground mining of manganese deposits." p.79
- Abdeev, I.U.G. - Review of the book by K.I. Ivanov, V.N. Glazunov and M.F. Nedion "Modern methods of boring hard rock." p.80

## No. 4, Apr. 1965.

- Table of contents translated:
- Taran, P.N., and others. - Eliminates multiple horizon mining in the Krivoy Rog Basin. p.3

- Iampol'skii, E. M., Machul'skii, F. F., Murgin, S. S. - Using self-propelled equipment in mines of the Novomoskovsk Gypsum Combine. p. 8.
- Alekseevskii, I. G. - Advantage of using underground crushers and selecting their standard dimensions. p. 10.
- Parvenskii, A. T. - Improve labor productivity indices in strip mine administrations. p. 13.
- Demin, V. V., Kostarev, S. S. - Payment to workers in integrated brigades. p. 14.
- Gleizer, M. I. - Calculating reserves in stockwork type deposits and problem of losses and the depletion of ore. p. 16.
- Novozhilov, M. G., and others. Ways of creating a new technology for open-pit mining operations with the use of the principle of controlled caving of the benches. p. 18.
- Setiantin, V. G., Pchelkin, G. L., Napadallo, V. A. - Efficient conditions for using sliding ramps. p. 21.
- Zinov'ev, V. N., Zymalev, G. S., Iskrenko, I. V. - Working thin deposits at the Il'ich mine. p. 23.
- Makarov, V. D. - Characteristics of mining the lower levels of the Verkhnii Zgid deposit. p. 27.
- Udovenko, I. P., Skobkin, A. P., Lyaskovskii, V. A. - Testing supports of double-groove sections and pliable frames. p. 30.
- Kuluzov, B. N., Mikhchev, I. G., Domakhovskii, A. V. - Effect of the amount of compressed air used on the efficiency of roller bit drilling. p. 32.
- Epshtain, E. F., and others. - Investigating the operation of a gasoline and air jet-piercing machine. p. 35.
- Rzhevskii, V. V., Protasov, I. U. I., Dobretsov, V. B. - Low frequency breaking of rock. p. 37.
- Sinkin, B. A. - Standardization of boring machines for strip mining operations. p. 40.
- Ivanov, K. I., Solianikov, B. G., Manzienko, G. G. - Improve the quality of drill steel. p. 44.
- Popov, V. M., and others. - Performance of automatic fans and heating equipment at Northern Ural bauxite mines. p. 48.
- Ovcharenko, E. I. A. - Automatic control of the composition of ore pulp in flow. p. 53.
- Berlovskii, V. M. - Standard unit equipment manufactured by the Kharkov electromechanical plant. p. 54.
- Denisenko, A. I., and others. - Industrial testing of ore pebble crushing of Krivoy Rog Basin quartzites. p. 57.
- Zhude, E. K., Porov, V. A. - Crushing during cascade operating conditions of a ball mill. p. 60.
- Terekhov, V. S. - Effect of the grouping of equipment on the standardization of buildings in ore dressing plants. p. 61.
- Andreev, V. G., D'inkov, L. D. - Testing systems of dry centralized dust collecting during boring with a column hammer drill. p. 64.
- Pepelov, G. I., Nepomnashchii, S. I. - Improving the structural elements of mining systems. p. 67.
- Grebchenko, L. S., Nechaev, I. U. V. - Using electric prospecting in mine drainage practice at the Nikopol' deposit. p. 68.
- Churakov, V. K. - The automatic control of feeders. p. 69.
- Kolesnichenko, I. T., Mots, I. U. S. - Change of efficient design composed of loose explosive materials. p. 70.
- Vasilii Fedorovich Fedorov, 1906-1965; an obituary. p. 74.
- Kuznetsov, K. K., and others. - Hopper train with bottom unloading. p. 75.
- Sozykin, V. I. - Resonance grizzlies without frames. p. 75.
- Pevzner, S. I. - At the IV Plenum of the Central Administration of the Scientific Technological Society for Ferrous Metallurgy. p. 78.
- Skorinikov, I. U. T. - The IV Plenum of the Central Administration of the Scientific Technological Society for Nonferrous Metallurgy. p. 79.
- No. 5, May 1965.**
- Table of contents translated:**
- Plakhtylin, N. I. A. - Ways of speeding up the turnover of working capital in mining enterprises. p. 3.
- Sorokhin, L. A., Khokhrinov, V. A. - Economic evaluation of strip mine truck haulage taking into account the time factor. p. 7.
- Using mounted rippers in strip mines:**
- Zelenin, A. N., and others. - Investigating the loosening of limestone. p. 12.
- Degtiarev, V. A., Rovinski, M. I. - Investigating mounted rippers in phosphorus deposits. p. 15.
- Strenko, V. N., Iakobasvili, O. P. - Studying the looseness of rock by the seismoelectric method. p. 17.
- Abramov, V. F., Faibysenko, D. I., Gushchin, V. V. - Ore breaking by horizontal, fan-pattern holes at apatite mines. p. 19.
- Bud'ko, A. V., and others. - Pillar recovery in the Krivoy Rog Basin. p. 22.
- Kuluzov, D. S., Babich, I. A. - Improvement of scraper haulage. p. 25.
- Mordukhovich, R. G. - Shaft sinking in the Krivoy Rog Basin with the help of KS-2m complexes. p. 28.
- Vedulin, V. F., Matveev, V. P. - Utilizing the effect of the pressing-in of boreholes. p. 31.
- Makeev, A. A., Diadchukin, N. I., Chikov, I. U. I. - Testing "zernogradnik" 80/220 in underground conditions. p. 34.
- Roitman, R. N. - The KZDSH-62-2 pyrotechnical two-way relay. p. 36.
- Akmetov, M. M., and others. - Results of testing electric detonators with a delay interval of 15 msec. p. 38.
- Kobevnik, V. F. - Improve the planning of the repair of electric equipment and apparatus. p. 39.
- Arkhangelskii, A. T. - The PNB-3M loading machine with hydraulic drive. p. 41.
- Shapovalov, L. T., Shvydkii, A. F. - Results of the introduction of reducing valves. p. 42.
- Khoim, I. A. D. - Raise the quality of steel balls for mills. p. 44.
- Vasil'ev, M. V., Iakovlev, V. L. - Studying and selecting the optimal condition for mine haulage operations at the Sokolovka-Sarbay Combine with the aid of electronic computers. p. 46.
- Daydakovich, A. S., and others. - Investigating the electroacoustic method of controlling the loading of ball mills. p. 50.
- Zubkov, G. A. - Means of automation for crushing and flotation departments of ore dressing plants. p. 52.
- Mosunov, V. A. - Using the TEO 6.1 hanging theodolite. p. 55.
- Klassen, V. I., Shcherbakova, S. V. - Improving the technological properties of water by the action of a magnetic field. p. 58.
- Belash, F. N., Chumakov, V. A. - Floatability of iron oxides from a pulp treated in a magnetic field. p. 63.
- Rykov, A. T., Fabrichev, S. M., Kokov, A. V. - Ventilation of scrapers levels at the mine of the 40th Anniversary of the All-Union Lenin's Young Communist League. p. 65.
- Zorin, L. F., Kaponko, V. M. - Improving boring and blasting operations at the South Rozdol strip mine. p. 69.
- Khurtsidze, V. K. - Using efficient systems of short-delay blasting in granite quarries. p. 70.
- Morkva, V. D., Potemkin, N. I., Kocherga, A. I. A. - Making upraises in the Krivoy Rog Basin by the sectional blasting of holes. p. 71.
- Chukan, V. K., Myshev, M. P., Kuzin, V. N. - Extractor for determining the strength of anchoring of reinforced concrete rods. p. 72.
- Efimov, V. V., Fernaldi, K. I., Mukhamedin, S. - Boring bit with three nonradially arranged cutting edges. p. 73.
- Lavydov, B. S., Arkhipov, A. V. - Self-propelled unit for sprinkling excavation slopes. p. 74.
- Trutnev, V. G., and others. - Efforts to control the freezing of ore at the Sokolovka-Sarbay Combine. p. 74.
- Artemenko, I. A., Belichenko, K. D. - Method of determining the pressure of rock on supports. p. 75.
- Bogdanov, I. V. - Device for the thermal fracturing of rock. p. 75.
- In the Presidium of the All-Union Council for Scientific Technological Societies. p. 76.**
- Shinda, E. I. - Review of the book by M. F. Drukovnyi and others "Blasting high benches." p. 77.
- Belikov, S. F., Verkhuturov, G. D., Belomestov, K. V. - Review of the book by V. G. Lezhkov "Dredging operations in deep placer deposits. p. 78.
- KEMEROVO, VOSTOCHNIY NAUCHNO-ISSLEDOVATELSKIY INSTITUT PO BEZOPASNOSTI RABOT V GORNOI PROMYSHLENNOSTI. Nauchnoye soobshcheniye [EASTERN SCIENTIFIC RESEARCH INSTITUTE FOR MINE SAFETY. Scientific Reports], No. 1, 1961.**
- Table of contents translated:**
- Komkov, N. S. - Selection of fans in the changing of a mine from a forced to a forced and exhaust method of ventilation. p. 3.
- Satarov, V. N. - Ventilation of development workings after blasting operations. p. 9.
- Chernov, O. I., Rozantsev, E. S. - Creating safe conditions in the making of crosscuts opening up thick seams subject to sudden outbursts of coal and gas. p. 14.
- Chernov, O. I. - Determination of gas liberation from each borehole as a method of establishing the danger of seams toward sudden outbursts of coal and gas. p. 21.
- Ondin, E. I., Ivashkin, V. S. - Evaluating existing types of sprinklers and selecting the optimal conditions for their operation. p. 30.
- Lazarenko, M. I. - Investigating the explosiveness of dust in Kuznetsk Basin coal preparation plants. p. 35.
- Al'perovich, V. A., Aksenova, E. M. - Collecting finely dispersed dust by spraying aerosols of sodium chloride solutions. p. 41.
- Kuz'min, V. P. - The FEP-V photoelectric dust counter. p. 45.
- Maevskaya, V. M. - Determining the tendency of coal toward spontaneous combustion according to core samples taken from faces of exploratory boreholes. p. 50.
- Maevskaya, V. M. - Searching for antipyrogenic substances to prevent and extinguish endogenic fires in Kuznetsk Basin mines. p. 58.
- Maevskaya, V. M., Monozov, A. D., Sviridov, A. A. - The ATE-1 thermoelectric anemometer for measuring low velocities of air in a mine. p. 63.
- Zakharov, A. B., Moiseev, V. A. - Fire hazard in the shield mining system in relation to the area of its use. p. 68.
- Chikanov, V. I. - Cartridge in a protective casing for use in the caving of roofs in slopes of mines subject to gas and dust. p. 74.
- [MICROFILM]
- LENINGRAD, VSESOIUZNIY NEFTIANOI NAUCHNO-ISSLEDOVATELSKIY GEOLOGORAZVEDOCHNIY INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE. Transactions], No. 240, 1964.**
- Contents: Mukhin, V. V. [Prospecting drilling for oil and gas in platform regions of the U.S.S.R., analysis of methods and results] Piskovskoye burenie na nef' i gaz v platformnykh rniionakh SSSR, analiz metodiki i rezul'tatov 182 p.**
- \*LITENOE PROIZVODSTVO [FOUNDRY PRACTICE].** Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 6, June 1964.
- Table of contents translated:**
- Chernyshev, I. A. - Ribbed shell molds. p. 1.
- Klenkin, M. L., and others. - Raising the precision of investment castings in small-lot manufacture. p. 3.
- Afanasyuk, I. N., and others. - Automatic proportioning and simultaneous application in layers of the facing and backing sand on the pattern. p. 6.
- Parasjuk, P. F. - Effect of the smelting technology on the cost of GJ3L steel. p. 8.
- Gershlerkern, S. I. A. - Operational analysis of expenses in the production of castings. p. 9.
- Ladokhin, S. V., Khan, B. K. B. - Some causes for rejects in stone casting. p. 12.
- Kulish, R. M. - Calculation of the vacuum system for die casting. p. 13.
- Rodigin, S. P., Antropov, L. V. - Distributing and regulating D<sub>4</sub>-25mm. block. p. 16.
- Shevliagin, A. K. - Apron conveyor for transporting hot castings. p. 18.
- Loskutov, V. I. - New mathematical machines. p. 19.
- Steforov, N. A. - Form of graphite in cast iron treated with rare-earth metals. p. 22.
- Rohov, I. G., Tananako, I. A. - Investigating the crystallization of the liquid phase of aluminum cast iron. p. 24.
- Pozdnyshov, V. M., Faniatov, L. I. - Some characteristics of magnesium cast iron production. p. 26.
- Smirnov, A. I., Solnikov, A. A. - Air-tightness of gray cast iron for casting hydraulic system parts. p. 27.
- Turbovskii, M. M. - Production of graphitized steel by liquid inoculation of molts. p. 28.
- Shalov, A. I. A., Chernobrovkin, V. P. - Volume shrinkage of steel smelted in an acid electric furnace. p. 31.
- Dubovits, M. I. - Heat capacity of binary alloys in the solidification interval. p. 32.
- Fuklov, V. A., and others. - Operation of a basic gas cupola with a refractory bed charge. p. 35.
- Miroshchenko, A. G. - Economical charge for high-strength cast iron. p. 36.
- Semenovich, I. I. - Rammed lining of the walls and arch of a steelmaking arc furnace. p. 38.
- Chizhikov, G. I. - Changing the design of the DnK furnaces. p. 39.
- Sikharulidze, I. A. M., Katsitadze, Sh. S., Borala, M. M. - Flux for the melting of bronze. p. 39.
- Volkov, V. A. - Original discharge hopper over the molding machine. p. 37.
- Sviridova, G. A., Chindakina, Z. V. - Standardization of core sand mixtures in foundries of the Urals automobile plant. p. 37.
- Katsitadze, Sh. S., Gulian, S. P. - Casting into ceramic molds of shape-forming parts for die casting. p. 37.
- Smolin, A. N., Smolin, I. U. N. - Using zircon paint at Chelyabinsk foundries. p. 37.
- Andrachnikov, Sh. L. - Heat treatment of gray iron castings. p. 38.
- Gaisin, B. M. - Studying the fusion of sand on castings using technological samples. p. 38.
- Kobolev, N. I., Kustel'man, V. S., Rozenfel'd, S. E. - Present state of the manufacture of electric motor rotors and stators. p. 39.
- Nikolaichik, E. N. - Macrostructure of low pressure castings. p. 43.
- Poljakov, I. A. G. - Plastics and synthetic resins in modern pattern production abroad. p. 44.



MASHINY I NEFTIANOE OBOURODOVANIE [MACHINERY AND PETROLEUM EQUIPMENT]. Issued by Gosudarstvennyi komitet i po topol'noi promyshlennosti pri Gosplane SSSR and Tsentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovaniy po neftnoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.2, 1965.

Table of contents translated  
Serebrianyi, V.B., Muchinskii, D.I.A. - Using centrifugal pumps with open impellers in petroleum refining. p.3.

Andreev, A.V., Nazarov, V.I., Slavs'di, V.M. - Results of field tests of bits with sliding supports, when drilling with hydraulic percussion tools. p.4.  
Roshchupkin, V.I., Verzhilina, O.I. - Dependence of the wear of the packing parts of drill pumps on the sliding speed. p.8.

Kagarmanov, N.F., Balandin, P.S., Rasskazova, S.P. - Investigating the physico-mechanical properties of Yakut diamonds in connection with their use in the reinforcement of drilling bits. p.11.

Gorolan, V.I. - Modernizing units for the investigation of the permeability of cores. p.16.

Kursklev, P.V. - Pneumatic PT single-piston and PIT double-piston drive-attachments. p.19.

Naimark, B.A., Nikolich, A.S., Shvykova, L.S. - Economic efficiency in the increase of the lifetime of the piston of a drill pump. p.24.

Sredin, V.V. - Saving money by using air cooling in petroleum refineries. p.27.

Oreshkov, A.L. - Device for cutting a groove in the shaft of an MAD-128/8 electric motor. p.31.

No.4, 1965.

Table of contents translated:

Stankov, N.V., Tarynin, V.V. - UB-8 mud pumps. p.4.

Kupriyanov, A.M., Murzakov, D.V., Serenko, I.A. - Improving the quality and increasing the variety of fishing tools. p.5.

Ryabchok, I.N., Pavlov, V.M. - Apparatus for the dehydration of emulsions. p.8.

Kafengauz, N.L. - Method of calculating high-stress exchangers. p.10.

Deriabina, V.I., Kolgatin, N.N., Teodorovich, V.P. - Investigating the resistance of 15Kh2MF and 12Kh2MFT steels to hydrogen. p.12.

Korbaliev, A.I., Ryss, D.S., Abramovich, I.A. - Monitoring water injection for remote control interconnected pumping stations. p.15.

Afonin, L.A., Zozula, P.I., Maran'kov, P.I. - Organizing communication channels in 3/01 kv. power-distribution networks on oil fields. p.17.

Sulianovich, A.I., Demikhov, V.I., Lupp, V.G. - Using electric measuring devices in sparkproof electrical networks. p.20.

Karasev, N.V., Iusupov, K.S. - Disadvantages of the A-40 assembly for testing completion, and capital repairs of wells. p.24.

TSylin, B.F. - Modernizing the TT-44 and TT-44M semiautomatic lathes. p.25.

\*METALLURG [METALLURGIST]. Issued by Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.10, no.3, Mar. 1965.

Table of contents translated:

Smirnov, E. - P-t manpower potentials to work p.1  
Klissin, D.A. - Intensification of sintering charge firing and partial substitution of solid fuel p.3.

Lomaka, N.F., and others. - Characteristics of blast furnace operation in the making of alumina slag from bauxite p.6.

Shubovich, I.A., Smolnikov, S.G. - Cutting apertures in blast furnace foundations for the installation of a cooling system for the hearth bottom. p.8

Romanenko, A.G. - Production of foamed slag pumice "thermoizol" p.10.

Samoilov, V.G. - Work of the senior gas fitter A.F. Zhukharenko p.12

Galal V.S., and others - Use of intermediate products in the making of electric steel p.14.

Zhigulin, V.I., Gavrilov, A.M., Katel', L.M. - Ramming a new open-hearth furnace hearth bottom. p.16.

Trifonov, O.V., Bogachev, S.I., Vasil'ev, A.N. - Pouring steel with a 45 millimeter casting nozzle p.18

Mironov, N.P. - Calcining of lime in rotary kilns for metallurgical use. p.20

Vetshekin, L., Shuraev, V. - Aiming for the world's record. p.23

Berkovskii, V.S., Osadchii, A.N., Avrunin, P.M. - Improving the roll pass design of jobbing mills for the rolling of high alloy steel. p.24

Kaluzheskii, V.B., Komanovskii, A.Z. - Mastering the production of formed sections in closed passes. p.26

Demidovich, E.A., Tsyplakov, V.D., Cherednichenko, A.L. - Increasing the durability of the co-high rolling mill rolls p.27

Palatnikova, E.S. - Use of compartment-type furnaces for the heat treatment of high pressure pipe p.29

Emel'yanov, V.P. - Lengthening the life of fire port brickwork p.31

Elmentov, S.P., Kaplinov, V.I. - Defects in sheet cut on a transverse cutting unit. p.31

Okhotnikov, I.U.D. - Setting up normal working conditions in plants in the winter p.32

Belousov, E.F., and others - Wear resistant powder tape hard facing of metallurgical equipment p.33

Bobkov, G.V. - Moscow metallurgists are raising the level of production efficiency. p.35.

Ryzhov, S.M. - Eliminating unnecessary load testing of bridge cranes. p.36

METALLURGICHESKAIA I GORNORUDNAIA PROMYSHLENNOST' [METALLURGICAL, MINING, AND ORE DRESSING INDUSTRIES]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainy SSSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, no.2(32), Mar.-Apr. 1965.

Table of contents translated:

Bragin, V.F. - Analysis of the cost of basic pig iron smelted in blast furnace plants of the Ukrainian S.S.R. p.3

Panov, G.A., and others - Effect of high temperature heating of the hearth on the operation of a blast furnace. p.9.

Beliaev, I.U.P., and others. - Radiometric investigation of the resistance of a blast furnace hearth bottom. p.11.

Kutner, M.B., Podkantor, N.N. - Design of coolers and resistance of the shaft brickwork in modern blast furnaces. p.14.

Shkharavich, I.A. - Intensifying the sintering process. p.18.

Astakhov, A.G., and others. - Determining the limits of shifting of the maximum temperature zone along the length of a sintering machine. p.18.

Zorin, O.D. - Mathematical and statistical balance method of calculating open-hearth furnace charges. p.20.

Zabaluev, I.U.I., and others. - Improving the macro-structure of electric-slag refined steel. p.24.

Fridman, Kh.L. - Cooling and purification of converter gases. p.27.

Priklad'ko, N.M. - Using converters for steelmaking in shaped-steel casting foundries. p.30.

Emel'yanov, A.V., Sorodenko, M.N., Kugushev, M.F. - Economic aspects of the manufacture and use of high quality rolled products. p.32.

Tkalich, K.N. - Decreasing expenses and increasing the time between roll changing on continuous sheet mills. p.34.

Chekmarov, A.P., Rabinovich, S.N. - Investigating the power conditions for rolling automobile sections. p.37

Zamess, A.N., and others. - Investigating the metal structure of rails hardened along their full length. p.40.

Semernin, A.M., Erinov, A.E. - Improving the design of gas radiator pipes for the heating of heat treatment furnaces with a controlled atmosphere. p.42.

Rula, N.V., Solov'ev, I.U.G., Chizh, V.A. - Effect of physico-mechanical factors of the centrifugal casting process on the quality of the metal of hollow steel pipe billets. p.44.

Movsesov, E.E., and others. - Production of rich titanium slag from an azaronite concentrate. p.48.

Malakhov, G.M., and others. - Introduction of new variants of the system of sublevel caving at "Dzerzhinskirud" Trust mines. p.50.

Revutskii, S.F. - Economic efficiency of investments in the beneficiation of Kerch Peninsula iron ores. p.54.

Tyshko, V.I., Dragunov, V.P. - Ventilation of slopes at the Tsentral'naya mine of the Ingulets Mining Administration. p.55.

Chirkov, I.U.I., Makeev, A.A., Kucheravenko, I.A. - Ways of increasing labor productivity in the haulage of hard lump ore. p.58.

Onishechuk, M.D. - Growth of labor productivity in mining enterprises of the "Ogneupornerud" Trust. p.58.

Zymalov, G.S., Maidan, D.S. - Labor productivity and cost of ore in the Krivoy Rog Basin. p.59.

Sergo, E.E., Maletskii, N.A. - Operation of the central air lift of the washing towers at the Kamys'k-Burun iron ore combine. p.63.

Kruti, V.V., Armasheva, Z.P., Gramm, V.A. - New ERM-2 electromagnetic separator. p.65.

Shinkorenko, S.F., Litovka, V.G. - Testing the OMP jiggling machine without piston with iron ore. p.67

Aksenov, V.P., Rozenplener, A.E., Cherniavskii, A.T. - Efficient correlation between the height of the top and bottom scooping of rotary excavators. p.67.

Litvinenko, V.I., and others. - Machine for opening the cast iron tapping hole of a blast furnace. p.70.

Kotrovskii, M.M., Kogolev, D.D., Brazhnikov, M.A. - Automation of the exhaust section of a sintering plant. p.72.

Rovenski, I.I., and others. - Economizing on solid fuel by using gas in sintering operations. p.73.

Stepanenko, A.M. - New design of mixer for the sintering of charge components. p.74.

Tatarul'eva, T.P. - Using ultrasound for the removal of scum in heat exchangers. p.75.

Karimov, K.G. - Measuring the temperature of liquid cast iron in the ladles during the blow with oxygen. p.75.

Grechukh, N.A., and others. - Inoculating rolling mill rolls with addition alloys by electric sparks. p.77.

Titov, P.V. - Increased capacity garage for thawing out ore. p.78

Nikolaenko, V.P., Ivanova, R.V. - Industrial mastering of drum separators with magnetic systems of barium ferrite. p.79.

Automation of the stamping of markings on hot pipe. p.81.

Machine for the turning and shifting of pipe in furnaces. p.81.

Improvement in the design of the bottom of the T2S heating furnace. p.81.

Melezhih, V.D. - Intensification and improvement of the steelmaking process. p.82.

Bosmerinyl, I.R., Serovatin, A.I. - Improve the quality of sheet steel. p.82.

Kollar, D.K. - Developing and introducing new equipment and technology into the coke by-products industry. p.83.

Vishnevskii, A.M., Fedorovskii, N.V., Puzovskii, E.V. - Intensification of the production of sinter. p.84.

Gol'denberg, E.IA. - Radio frequency welding of pipe. p.85.

Skon, V. - Ukrainian seminar on the study and use of systems of network planning and administration. p.85.

Savoskina, L.S., Kidro, I.V. - Topical exhibition "New types of pipe and their production by modern methods." p.86.

Basic technical and economic indices of the operation of metallurgical plants in the Ukrainian S.S.R. for 1964. p.87.

Production of the metallurgical and mining industries in million tons for 1964. p.88.

MOSCOW, INSTITUT NEFTEKHIMICHESKOI I GAZOVOI PROMYSHLENNOSTI. Trudy [INSTITUTE OF THE PETROCHEMICAL AND GAS INDUSTRY. Transactions]. No.44, 1963. Petroleum chemistry, oil refining, and gas processing, data of a conference on the problems of petroleum chemistry and the petroleum and gas industries in the light of the resolutions of the Twenty Second Conference of the CPSU.

Table of contents translated:

Fedorov, V.S. - Development of petroleum chemistry within the framework of the directives of the 22d Congress of the CPSU. p.3.

Paushkin, I.A.M., and others - New iron-containing monomers and polymers from five-membered naphthenes. p.15.

Paushkin, I.A.M., Iuzviak, A.G. - Obtaining new monomers on a base of butadiene. p.27.

Paushkin, I.A.M., Pandi, I.S. - Synthesis of boron-nitrogen containing compounds on a base of boric acid. p.33.

Dessuki, Akhmed, Isagulants, V.I. - Investigating the polymerization reactions of certain tertiary olefins in the presence of a cation exchange resin functioning as a catalyst. p.39.

Paushkin, I.A.M., Nizova, S.A., Gaovna, V.S. - Synthesizing macromolecular hydrocarbons with conjugate double bonds by a dehydrohalopolymerization reaction. p.43.

Guseva, V.I., and others. - Petroleum refining products as softener-fillers of divinyl styrene rubbers. p.46.

Paushkin, I.A.M., and others. - Isomerization of cyclohexene in methyl cyclopentane. p.58.

Zhake, I.U., Gurevich, I.L. - Obtaining high purity aromatic hydrocarbons. p.63.

Gurevich, I.L., Matishev, V.A. - Triethylone glycol as a solvent for the dearomatization and desulfurization of oil fractions. p.72.

Galal, Ibrahim, Paushkin, I.A.M. - Investigating a reaction of the haloalkylation of benzene and its homologs with haloalkyl compounds with a catalyst on a base of boron fluoride. p.78.

- Paushkin, I.A.M., Mirgaleev, I.G. - Alkylation reaction of 2-chloroethylbenzene in a side chain. p. 80.
- Belov, P.S., Isagulants, V.I. - Alkylation of phenol with isobutyl alcohol on a KU-2 cation exchanger. p. 92.
- Belov, P.S., Isagulants, V.I. - Phenol alkylation with isobutylene in flow on a KU-2 cation exchanger deposited on bentonite. p. 96.
- Belov, P.S., Isagulants, V.I. - Polymerization of isobutylene activated by phenol on a cation exchanger. p. 101.
- Tishkova, V.N., and others - Synthesizing a new antioxydizing additive to lubricating oils for forced working engines. p. 105.
- Ben'-Lan', U., Isagulants, V.I. - Cleaning agents on a base of polyglycolic esters of tetra-octylphenol. p. 110.
- Evgen'eva, L.G., Topchiev, A.V., Tsiguro, G.M. - Oxidizing sulfonation of carboxylic acids. p. 114.
- Paushkin, I.A.M., and others - Recent developments in the cracking of hydrocarbons, cracking with heat given off and cracking cut off at high temperatures. p. 118.
- Ilarionov, N.D., Smidovich, E.V. - Pyrolysis in a fluidized coke bed to obtain a gas rich in olefins. p. 129.
- Panchenkov, G.M., Zhelezov, I.U.M. - Determining the kinetic values of simple and complex chemical reactions in circulating reactors. p. 141.
- Zakina, I.U.S., Paushkin, I.A.M. - Using new catalysts for the catalytic reforming of crude substances to obtain aromatic hydrocarbons. p. 148.
- Poredda, Z., Isagulants, V.I. - Use of anion exchanging resins in catalytic synthesis. Report no. 1. Cyanosilylation of primary alcohols. p. 150.
- Poredda, Z., Isagulants, V.I. - Use of anion exchanging resins in catalytic synthesis. Report no. 2. Cyanosilylation of nitr. paraffins. p. 161.
- Gurevich, I.L. - New developments in the refining of paraffin oils. p. 167.
- Gurevich, I.L., Mukhopadhyaya, P.K. - Producing illuminating kerosene and jet fuel from Nahorkatly oil. p. 180.
- L'vova, A.I. - Possibility of using a deasphalted product as a raw product catalytic cracking. p. 188.
- Darinov, V.E. - Electrocracking of natural gas to obtain acetylene. p. 193.
- Shcherbakov, A.A., Smidovich, E.V. - Comparative analysis of variations in the flow sheets of the reactor block of units for continuous coking in a fluidized bed. p. 197.
- Zaitseva, N.P., Smidovich, E.V. - Investigating the group chemical composition of the heavy gas oil of retarded coking. p. 203.
- Panchenkov, G.M., and others - Radiation-thermal cracking of oil fractions. p. 210.
- Panchenkov, G.M., Baranov, V.I.A. - Kinetics of the thermal cracking of individual hydrocarbons and oil fractions. p. 214.
- Panchenkov, G.M., Skoble, V.A. - Adsorption of the vapors of individual hydrocarbons by molecular sieves. p. 220.
- Kiselev, B.D. - Adsorption method for obtaining cereasins from ozocerites. p. 227.
- Skidanova, N.I., Gundyrev, A.A., Chernozhukov, N.I. - Solubility in furfural of aromatic hydrocarbons separated from oily fractions from the petroleum of the Kolar-tepe field. p. 235.
- Vainshtok, V.V., Karlinin, B.N., Gol'der, G.A. - Structure of lubricants in mixed soaps. p. 242.
- Loyento, R.A. - Combined evaluation of lubricants for optical apparatus. p. 251.
- Gorlov, V.F., Skoble, A.I. - Change in the properties of powdered coke on combustion in a fluidized bed. p. 258.
- Petrov, V.N. - Hydrodynamic conditions of the separation of powdered materials in a fluidized bed. p. 267.
- Matishev, V.A., Bogatova, L.S. - Complex formation of paraffin hydrocarbons of normal structure with carbamide. p. 275.
- Mikhailov, P.I., Skoble, A.I. - Organizing the movement of gases in tubestill heaters. p. 278.
- Bagirian, G.V., and others. - Oil and gas fields of Siberia. p. 4.
- Miznov, N.V., and others. - Prospects for finding oil and gas in the southwestern part of the West Siberian Plain in connection with the opening of the Lenin (Karabash) oil field. p. 9.
- Nikonov, V.F. - Searches in the zonal pools in the latitudinal Ob' Valley based on a study of the West Sugut oil field. p. 14.
- Salmanov, F. - Lokosovo oil field of the West Siberian Plain. p. 17.
- Sorokina, E.G. - Lithological variability of reservoir rocks according to bed thickness based on a study of Western Siberia. p. 19.
- Mironchev, I.U.P. - Morphology and possible genesis of the local uplifts of the Tunguska syncline. p. 24.
- Tolstikov, G.A. - Dynamics of the underground waters of the Mesozoic sediments of the Siberian portion of the Ural Mountain region. p. 28.
- Golbenko, G.L. - Development of the gas industry in Tyumen' Province. p. 31.
- Rabotnov, V.T., Kholob, M.R. - Some regularities in the change of the density and specific weight of the Rhiphean (Sinean) sediments of southwestern Yakutia. p. 34.
- Zanlukov, V.N., Stasenko, V.V. - Features of the geological structure and formation of the oil and gas pools of the Nekrasov oil field. p. 37.
- Agul'nik, I.M., Sharlovskaya, L.A. - Using high-precision gravimetry in prospecting for gas fields in the West Siberian Plain. p. 42.
- Rikhter, V.I., Zaidel'son, I.I. - Means for constructing and interpreting true sections. p. 45.
- Kononov, V.F., Churilin, V.V. - Method for determining the gravitational anomalies determined by an inclined contact surface. p. 48.
- NEFTEPERERABOTKA I NEFTEKHIMIYA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po nefti i neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 3, 1965.
- Table of contents translated:
- Muchinskii, D.I.A. - Intensifying the primary refinement of petroleum in the Krasnovodsk Petroleum Refinery. p. 3.
- Kurganov, V.M., Gonsales, A., Vityayev, A.S. - Remodeling the catalyst circulation system in a catalytic cracking unit. p. 5.
- Mukhina, T.N., and others. - Effect of pressure on the pyrolysis of straight-run gasoline in a current of super-heated water vapor. p. 10.
- Kriechko, A.A., and others. - Obtaining denaturated catalytic-cracking and motor tests for gas oil. p. 12.
- Dugalechuk, A.M. - Technological factors affecting the efficiency of centrifugation and the quality of VNIIP-370 additive. p. 14.
- Zimina, K.I., and others. - Determining the iron content in lubricants on the basis of infrared absorption spectra. p. 17.
- Alizenshteyn, P.G., Bulatova, I.N., Sobolev, A.I. - Obtaining petroleum oil mixed with sulfur and used as cutting oil [sul'fofrezol] using ultrasonic waves. p. 20.
- Chertkov, I.A.B., Englina, G.B. - Features of the tars of middle-distillate petroleum fuels. p. 24.
- Myslinski, E.A. - Obtaining sulfonates with high surface activity. p. 27.
- Aliev, A.M., Veliev, Sh. V. - Composition and rectification purification of vinyl chloride. p. 29.
- Dutovich, N.A., Gur'lanova, V.P. - Copolymerization of isobutylene with styrene in the presence of titanium tetrachloride. p. 32.
- Slavinskii, D.M. - Gas-fractionation unit for catalytic reforming. p. 34.
- Feigin, S.A., Krupitskii, B.B., Koriagina, L.A. - Prospects for the introduction of new methods for the production of benzene. p. 37.
- Starshov, I.M. - Determining small quantities of hydrogen with the KHT-2M chromatograph. p. 41.
- Kuntstyn, I.M., Vorobtsov, V.N., Bulakov, A.G. - Operation of UDU-2 and UED-2 liquid level indicators. p. 43.
- Masluk, A.A., Iurkina, A.P. - Automatic control of the capacity of a turbocompressor of the "Demag" firm. p. 45.
- No. 4, 1965.
- Table of contents translated:
- Ragimov, F.M., Avanesova, E.P. - Effect of the operation of a preliminary evaporator on the sampling of bright petroleum products. p. 3.
- Muchinskii, D.I.A. - Remodeling typical pressure piping. p. 4.
- Nikolaeva, N.M., Sereda, A.T., Levchenko, D.N. - Testing alkylene oxide block copolymers as demulsifiers on an electric desalter. p. 7.
- Kullev, R.Sh., and others. - Functional properties of transformer oil produced from Slazan' petroleum. p. 9.
- Gikht, B.M., Lartionov, I.V., Shil'kov, V.K. - Antioxidant for gasoline. p. 11.
- Drabkina, I.E., and others. - Hydrofining a kerosine fraction. p. 14.
- Slavinskii, D.M. - Operation of an azeotropic distillation unit. p. 17.
- Detusheva, E.P., Zherdeva, L.G. - Obtaining low pour-point naphthenic lubricants. p. 20.
- Fuke, I.G., and others. - Volumetric, mechanical, and sealing properties of lithium packing grease. p. 22.
- Baivarovskaya, I.U.V., Zubkova, N.A., Pirobrashenskaya, A.I. - Efficient rectification of gasoline and the sampling of aromatic hydrocarbons in catalytic reforming. p. 26.
- Drushteyn, B.A., and others. - Distribution of expenditures for acetylene and ethylene in their simultaneous production. p. 28.
- Novikov, I.K. - Electric thermocor cracking and hypersorption. p. 31.
- Grodzovskaya, R.I., Riabova, A.L. - Fast determination of the sulfur and chlorine content of additive 339 of the Central Scientific Research Institute of Aviation Fuels and Lubricants. p. 37.
- Shagalov, A.F., Milerin, B.I., Pokhitun, L.E. - Causes of explosions in the crankcases of BGK gas-engine compressors. p. 39.
- Akhmedov, Sh.T., and others. - Cryoscopic method for determining the isomer content in xylene. p. 42.
- Faramazov, S.A., Kosenkov, V.G., Akhmedov, K.R. - Stabilizing the draft of pipestill flues. p. 45.
- NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po nefti i neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 2, 1965.
- Table of contents translated:
- Shirina, I.U.Kh. - Present status of the development of the pool of the Yasnaya Polyana super-horizon in the Yarino-Kamennolozhskoye oil field. p. 3.
- Mironov, T.P. - Determining the mean values of the basic parameters of oil reservoirs with a given degree of accuracy based on a study of the Tuymazy oil field. p. 9.
- Mustaev, I.A.A. - Experimental investigation of combustion in carbonate rocks. p. 12.
- Marin, A.R., Chernonov, V.M. - Injectivity surveys of the injection wells of the Serafimovskaya group of oil fields. p. 17.
- Akhmedov, M.G., Guseinov, A.N., Nablev, G.I. - Using non-drainage hydrochloric acidization of injection wells of the Oil Well Administration of the Shurvan Petroleum Trust. p. 18.
- Shubaev, A.M., Slatnikov, I.Z., Sal'tarskii, I.U.V. - Causes of breakage in the lift tubing in flowing wells on the fields of Stavropol Territory. p. 20.
- Gudok, N.S., Burlakov, I.A., Koriagina, T.F. - Selecting the water for injection into the petroleum reservoirs of oil fields in the Stavropol Territory. p. 23.
- Kovalenko, M.F., Saifeev, T.A. - Determining the losses of light petroleum fractions on the fields of the Oil Field Administration of the Ishimbay Petroleum Trust. p. 28.
- Rybachok, I.N., and others. - Increasing the efficiency of sedimentation tanks in demulsification units by changing the design of the nipples for fluid inlet and outlet. p. 31.
- Savelli Leonovich Zaka; obituary. p. 38.
- NEFTIANIK [THE PETROLEUM WORKER]. Issued by Gosudarstvennyi komitet nefteobrabatovushchei promyshlennosti pri Gosplane SSSR [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 8, no. 5, May 1963.
- Table of contents translated:
- First of May is a day of international solidarity of workers, a day of unity and brotherhood for the workers of all countries. p. 1.
- Makel'skii, V. - Fourth International Conference of the Workers of the Chemical and Petroleum Industries and Related Branches of Industry. p. 3.
- Krivtchik, V.S. - Our contribution to the creation of the material and technical base of communism. p. 5.
- Chang Chao-Mei. - Tremendous development of the petroleum industry of China. p. 8.
- Szladi, Sándor. - Chemical industry is a basic factor in the development of our national economy. p. 9.
- Hepner, Rudl. - Production and technical preparation of the chemists of the German Democratic Republic. p. 11.
- Dominguez, Jose A. - Workers of the chemical and petroleum industries of Cuba in the struggle for national independence and the construction of socialism. p. 14.
- NEFTEGAZOVAYA GEOLOGIYA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS]. Issued by Gosudarstvennyi komitet nefteobrabatovushchei promyshlennosti pri Gosplane SSSR and Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po nefti i neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 1, 1965.
- Table of contents translated:
- Building an oil and gas producing center in Western Siberia is a most important national economic problem. p. 3.

- Tomasz, Tadeusz. - Industrial development and the improvement of the living conditions of Polish chemical workers. p. 15.
- Ion, Istrate. - Contribution of the trade unions to the development of the petroleum and chemical industries of the Rumanian People's Republic. p. 18.
- Vaclav Vesely. - Social insurance is an important condition for increasing the standard of living of the chemical workers of the Czechoslovak Socialist Republic. p. 20.
- Appeal of a group of drilling brigades foremen. p. 22.
- Morozov, I. - Successes of Siberian prospectors. p. 23.
- Popov, V. K. - Sakhalin petroleum workers. p. 23.
- Iekuzhin, I. - New oil and gas resources of Kazakhstan at the service of communism. p. 25.
- Obligations of the Karakum drillers. p. 26.
- TSvetkova, M. I. - Petroleum refining innovations. p. 28.
- Chetilin, V. M. - Seven-year plan fulfilled in six years. p. 29.
- Tatarinov, I. - Our deputy. p. 30.
- Aleksandro, V. S. - Let us fulfill the yearly plan ahead of time. p. 31.
- Ponomarenko, B. - Good results. p. 33.
- Oganov, S. S. - Scientific and technical conference. p. 33.
- Abramian, T. Kh. - Let us increase petroleum production. p. 34.
- Reznik, L. Sh. - Public inspection of the state of the living and cultural conditions of the builders of gas pipelines. p. 37.
- Protopopov, O. - Broaden the development of the movement for communist labor. p. 38.
- Babalan, A. L. - Krasnodar Regional Trade Union Conference. p. 39.
- Workers' rest. p. 39.
- Kostrin, K. V. - Oil from outer space. p. 40.
- OBOGASHCHENIE RUD [ORE DRESSING].** Issued by Vsesoyuznyi nauchno-issledovatel'skiy i projektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh [All-Union Scientific Research and Planning Institute for the Mechanical Processing of Minerals]. Leningrad, vol. 9, no. 4(52), 1964.
- Table of contents translated
- Belash, F. N., Pugina, O. V. - Desliming the pulp in the flotation of iron ore. p. 3.
- Ereplun, I. U. L., Koval', E. M. - Effect of alkaline modifiers on the selective flotation of loparite, aegirite, and nephelinite. p. 6.
- Vishnyskiy, E. N., Strel'tsyn, V. G. - Crushing and grinding of stanniferous ores before gravity concentration. p. 11.
- Nikitin, A. A., Dokshin, V. S. - Electrostatic separation as a progressive method of ore dressing. p. 17.
- Berman, I. U. A., Miller, V. I. A. - Production of metallized pellets from thin iron concentrates. p. 21.
- Karmazan, V. I., and others. - Using the Krupp-Renn process in processing Kerch Peninsula ores. p. 21.
- Shustikov, I. A. - Comparative testing of the "Sikhali" and "Mekhnobr-5" flotation machines at the "Sikhali" Combine ore dressing plant. p. 30.
- Kudukhov, I. A., Malyshev, G. L., Sanakoev, T. V. - Improving the spring system in electric vibrating machines. p. 33.
- Afanasyev, T. P., and others. - Automation of crushing and grinding processes at the No. 1 Apatite-Nephelite Ore Dressing Plant. p. 36.
- Miller, R. S., Georgievskiy, I. V. - The nature of phosphorus in manganese ores from the Nikopol' deposit. p. 41.
- Ozolin, L. T. - Conference on preparing Kursk Magnetic Anomaly iron ores for smelting. p. 47.
- Vasilii Aleksandrovich Rundkvist, an obituary. p. 50.
- \*OGNEUPORY [REFRACTORIES].** Organ of Gosudarstvennyi komitet po khimii i svetlo metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 30, no. 3, 1965.
- Table of contents translated:
- Socialist competition for an early completion of the 1965 plan, last of the seven-year plan period. p. 1.
- Vasilievskiy, P. A., Mironov, N. P. - Operation of a rotary kiln with a stationary preheater. p. 7.
- Kukolev, G. V., Palaguta, Z. N. - Use of surface active additives for compacting aluminosilicate refractories during pressing. p. 10.
- Bogdanov, G. A., Zimina, V. V. - Automatic weight proportioning equipment. p. 15.
- Bereznoi, I. N., Seroshan, V. I. - Selective mining of refractory clays and kaolins by rotary excavators. p. 18.
- Simonov, K. V., Nazarov, K. S. - Calcining dolomite from the Lis'ye Mountain deposit in a rotary kiln. p. 24.
- Kovshar', M. A. - Causes for the premature failure of magnesite chromite brick in open hearth furnace roofs. p. 28.
- D'achkov, P. N., and others. - Increasing the resistance of the lining in double steel-tapping spouts of open hearth furnaces. p. 32.
- Mamkin, P. S., Uskumbaev, N. U. - Slag resistance of refractory products. p. 36.
- Bellaev, B. P., Kapustin, N. I. - Experiment in operating a public designing office. p. 41.
- Baliuk, S. T. - Rapid method of determining the zircon content in a quartz mixture. p. 42.
- Khazanov, G. M., Danilenko, S. P. - Converting pug mill rollers to rolling contact bearings. p. 44.
- Kozlov, V. K. - Refractory concrete for heating furnaces. p. 45.
- Nagornyy, N. A. - Obituary of N. A. Nagornyy. p. 48.
- Vol. 30, no. 5, 1965.
- Table of contents translated
- Work of efficiency promoters in refractories enterprises in 1964. p. 1.
- IUzruk, D. I., and others. - New developments at the Bogdanovich refractories plant. p. 8.
- Vidima, Zh. A. - Manufacturing firebrick from slag and its use in the checkerwork of open-hearth furnace heat regenerators. p. 10.
- Arslutkin, N. V., Papkin, Kh. M., Valenburger, F. G. - Controlling the conditions of clay drying in drums. p. 20.
- Savel'ev, N. M., and others. - Selecting the rate of press molding of refractories. p. 23.
- Garmash, N. Z., Bereznoi, I. U. I. - Adhesion to the ground of skis on walking excavators and waste disposal equipment. p. 28.
- Pltak, N. V., P'iankykh, N. L. - Wetting refractories with molten steel and slag. p. 31.
- Kalnarskiy, I. S., Gaido, A. N., Usatkov, I. F. - Semi-lightweight corundum refractory. p. 38.
- Guzman, I. A., Tumakova, E. I. - Formation of bonds in the firing process of refractories on a silicon carbide base. p. 41.
- Smilko, M. K., Fer, M. P. - Rapid complexometric method of determining the content of  $\text{Fe}_2\text{O}_3$  and  $\text{Al}_2\text{O}_3 \cdot \text{TiO}_2$  in refractory materials. p. 47.
- \*POROSHKOVAIA METALLURGIYA [POWDER METALLURGY].** Organ of Institut metallokeramiki i spetsial'nykh spлавov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 5, no. 3(27), Mir, 1965.
- Table of contents translated:
- Krasnov, A. N. - Plasma atomization of molybdenum. p. 1.
- Temkin, I. V. - Production of highly disperse carbon graphite materials. p. 6.
- Mkriukov, V. E., Poodniak, N. Z., Akhmetzianov, K. G. - Investigating the heat conductivity, electric resistance, and mechanical properties of a ceramic metal iron-copper alloy. Report No. 3. p. 16.
- Lesnik, N. D. - Nonporous materials of a high degree of hardness prepared by impregnation. p. 20.
- Nikol'skiy, S. S. - Thermodynamics of interstitial solid solutions. Report No. 1. Energy of formation. p. 22.
- Fedorchenko, I. M., Denisenko, E. T., Miroshnikov, V. N. - Investigation of the scale resistance of certain nickel-base materials. Report No. 1. p. 35.
- Eremenko, V. N. - Investigating surface and contact phenomena in metallic systems and their technological applications. p. 42.
- Skorokhod, V. V., Panichkina, V. V. - Electric conductivity of porous sintered materials made of copper fiber. p. 58.
- Meerson, G. A., and others. - Investigating conditions of preparation and certain properties of hard alloys in the pseudobinary system  $\text{BaC} - \text{BaSi}$ . p. 62.
- Kuz'ma, I. U. B., Gorskova, L. V., Fedorov, T. F. - Phase equilibrium in the ternary system zirconium - molybdenum - carbon. p. 69.
- Fedorov, T. F., Kuz'ma, I. U. B. - Phase equilibrium in the system zirconium - chromium - carbon. p. 75.
- Vasilii, M. I., Eremenko, V. N. - Surface tension of liquid alloys of the system nickel - silicon. p. 80.
- Aksenov, G. I., Minaev, E. M. - Determination of physicochemical and technological properties of ceramic metal materials on a single annular specimen. p. 83.
- Kocho, V. S., and others. - Performance of thermocouple tips made of zirconium boride in a bessemer converter. p. 88.
- Stanislav Stolarz. - Electric contactors made of Ag - CdO and prepared by the method of internal oxidation. p. 94.
- Pollakova, L. P., Kramich, K. F. - The radiation factor in the production of thoriated tungsten products by the ceramic metal method. p. 106.
- Vol. 5, no. 4(28), Apr. 1965.
- Table of contents translated:
- Shchetnikov, E. N., Shveikin, G. P. - Effect of the gaseous phase pressure and additions of high-melting metals on the character of intermediate products of vanadium trioxide reduction by carbon. p. 1.
- Kalius, O. A., Vinogradov, G. A. - Calculating the minimum speed of powder rolling. p. 9.
- Naidich, I. U. V., Elemenko, V. N. - Metal and oxygen technology of soldering ceramic materials. p. 13.
- Pannuski, A. D., Kislyi, P. S. - Some regularities in the sintering of niobium carbide. p. 18.
- Koteln, O. P., Beilin, I. K. - Manufacture and use of niobium carbide products. p. 25.
- Kreimer, G. S., and others. - Properties of ceramic metal hard alloys of WC-TiC-Co with additions of tantalum carbide. p. 35.
- Andrievskiy, A. I., Knielin, N. N., IUskevich, I. U. G. - Effect of the addition of various oxides on the electric and magnetic properties of copper-manganese ferrites. p. 44.
- Andreev, B. S., Bondarev, D. E. - Technology of the manufacture of scandium-containing ferrites. p. 50.
- Rybalchenko, M. K. - Some problems in the heat resistance of sintered materials. p. 53.
- Fedorchenko, I. M., Denisenko, E. T., Miroshnikov, V. N. - Studying changes in the mechanical properties of packing material during the oxidation process. Report No. 2. p. 57.
- Nikol'skiy, S. S. - Thermodynamics of interstitial solid solutions. Report No. 2. p. 61.
- Eremenko, V. N., Listovnichik, V. E. - Using high-frequency heating of specimens to determine the temperature of the occurrence of the liquid phase. p. 75.
- Kalinovich, D. F., Kovenskii, I. I., Smolin, M. D. - Diffusion in a binary molybdenum-tungsten alloy. p. 70.
- Dorfi, Z. P., Denisenko, E. T. - Economic efficiency of using ceramic metal compacting materials in steam turbines. p. 83.
- Pavlovskaya, E. I., Gorlacheva, Z. V. - Methods of jointing ceramic metal filtering materials. p. 88.
- Golovan', N. A., Shcherban', N. I. - Design and manufacture of metal dies for automatic presses. p. 94.
- Satikhodzhaev, S. S., Vengerskaya, Kh. I. A., Nazyrov, G. N. - New detergent paste for workers in the production of high-melting and heat-resistant metals. p. 100.
- El'-Shanshuri, Irmali. - Radial and axial shrinkage of metal powder compacts. p. 103.
- Obolonchik, V. A. - Conference on the use of rare metals in the national economy. p. 107.
- Vol. 5, no. 6(20), May 1965.
- Table of contents translated:
- Skorokhod, V. V., Kirilenko, A. F. - X-ray investigation of metal powders. p. 1.
- Grodshstein, A. E., Kriger, E. M., Lisitsyn, S. M. - Obtaining ferrite powders by the thermal decomposition of sulfates. p. 4.
- Katashinskiy, V. P., Vinogradov, G. A. - Investigating the compaction of metal powders during rolling. p. 9.
- Mal'tsev, M. V., Nikolaev, A. N., Khromov, V. G. - Determining the boundary angle of feed during the rolling of metal powders. p. 17.
- Bessonov, A. F., Us'tiantsev, V. M. - Effect of the surface state of particle layers on the sintering process of magnesite powders. p. 20.
- Eremenko, V. N., Nizhenko, V. I., Sklarenko, L. I. - Density and the free surface energy of liquid alloys in the system nickel - chromium. p. 24.
- Eremenko, V. N., Nizhenko, V. I., Sklarenko, L. I. - Wetting of aluminum oxide by chromium-nickel melts. p. 29.
- Aksenov, G. I., Minaev, E. M. - Investigating the process of the formation of a metallic contact among powder particles during sintering by the electric conductivity method. p. 35.
- Apintinskaya, L. M., Radomyslovskiy, I. D. - Chemical nickel coating of porous, iron-base ceramic metal products. p. 39.
- Ivanov, V. E., and others. - Ceramic metal magnesium and magnesium-beryllium alloys. p. 46.
- Fedorchenko, I. M., Panniot, I. I., Dorkacheva, G. M. - Investigations in the field of friction materials. Report no. 1. p. 54.
- Teodorovich, O. K., Lovchenko, G. V., Vlasenko, O. L. - Effect of silicon on the formation and properties of tungsten-nickel-copper contacts. p. 58.
- Storozhevskiy, I. M., Filatova, N. A. - Investigating the regularities of strength changes during the bending of certain copper-base ceramic metal materials. p. 63.
- Nikol'skaya, T. A., Vil'k, I. U. N., Avarbe, R. G. - Variation in the gram-molecular volume during mixing in systems zirconium - carbon and niobium - carbon. p. 71.
- Kostorniy, A. G. - Determining the time needed for reaching a given temperature under a refractory layer during sintering in various gaseous media. p. 76.
- Kalnarskiy, I. S., Orlova, I. G., Degtiareva, E. V. - Deformation and shrinkage of corundum during sintering. p. 82.

- Troshchenko, V. T., Krasovskii, A. I. - Strength of porous iron during repeated alternating loading. p. 87.
- Bondarev, D. E. - Causes for the high-speed response of ferrites with a rectangular hysteresis characteristics. p. 93.

**RAZVEDOCHNAIA GEOFIZIKA [PROSPECTING GEOPHYSICS].** Issued by Vsesoyuznyi nauchno-issledovatel'skii institut geofizicheskikh mloydy razvedki and Trist Geofizicheskaya razvedka (All-Union Scientific Research Institute of Geophysical Methods of Prospecting and the Geofizicheskaya razvedka Trust). Moscow, no. 2, 1964.

- Table of contents translated.
- Savodubovskaya, S. P., Pailiskaia, G. N. - Utilization of the dynamic characteristics of reflected waves for detecting the tracing layers of variable thickness. p. 3.
- Neishtadt, N. M., Ostrop, L. N. - Method for marking the moment of excitation of elastic oscillations by means of electromagnetic impulse. p. 13.
- Kogan, L. I. - Multiple reflections in a water layer and their effect on the validity of the interpretation of the data of offshore seismic prospecting. p. 16.
- Urupov, A. K., Blakov, I. A. - Evaluation of the reflection coefficient based on the data of electric logging and neutron gamma-ray logging. p. 36.
- Mushin, I. A., Shevchenko, L. B., Shcherbin, M. B. - Characteristics of using the controlled directional sensitivity method in the eastern regions of the Russian Platform. p. 39.
- Lukavchenko, P. I., Danilov, G. A. - Quartz gravimeter-altimeter (anomalous gage). p. 53.
- Kunin, N. A. - Evaluation of the density of the sedimentary cover in the middle Syr Darya Depression based on the materials of seismic prospecting. p. 67.
- Shvank, O. A. - Solution of a gravimetric inverse problem for some simple bodies. p. 72.
- Nagol'nikov, V. B. - Determination of the excess density and the depth of the occurrence of crystalline basement rocks based on gravity measurements p. 75.
- Khomeniuk, I. U. V. - Shape of the reference single for phase measurements and synphase control in electric prospecting. p. 81.
- Urazayev, I. M. - Dependence on natural electric currents of the development stages of the oxidation zone of sulfide deposits. p. 85.
- Lubimov, A. A., Pavlovskii, V. I. - Integration of the horizontal H-component of the intensity of a magnetic field using the analytic method. p. 92.
- Nassonov, V. A. - Quantitative interpretation of the data of an aerial survey of a magnetic field by means of the joint solution of equations. p. 94.
- Kuzin, B. P. - Practice in using semiconductor devices in field-geophysical apparatus. p. 99.
- Lubinskii, I. A. N., Polosin, A. V. - Optimum conditions for the standardization of scintillation aeroradiometer. p. 102.
- Mel'nikov, A. I. A. - Hydrostatic leveling instrument for determining the elevation of points in geophysical observations. p. 104.
- Dodniakov, A. A., Zhilina, I. U. A. - Methods for barometric leveling during regional gravity operations in mountainous regions. p. 106.

**REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

**REFERATIVNYI ZHURNAL: GORNYE MASHINY (Oldel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MINING MACHINERY (Separate Issue 43)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, June 1965.

**\*REFERATIVNYI ZHURNAL: METALLURGIYA [JOURNAL OF ABSTRACTS: METALLURGY].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1965.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimicheskii metallurgiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy].** Moscow, vol. 8, no. 5, 1965.

- Table of contents translated.
- Fillipov, E. S., Verlanin, A. A. - Connection between volumetric characteristics of molten iron and "critical concentrations." p. 6.
- Grigorlan, V. A., Boksheln, B. S., Bodretsova, L. B. - Role of the gaseous phase with diffusion of phosphorus in molten oxides. p. 9.

- Medzhilbozhskii, M. I. A., Kazakov, A. A. - Limiting element in the reaction of carbon oxidation in a steel smelting bath. p. 12.
- Kazakov, F. M., Vozman, L. F., Gupta, S. K. - Sintering of the Indian ore from the Rajnagar deposit. p. 17.
- Okorokov, B. N., and others. - Certain optical and physical properties of the flame cone in a basic, oxygen-blown converter (in the visible part of the radiation spectrum) and their use to control the process. Report no. 1. p. 21.
- Kaluykov, V. A., Ageev, P. I. A. - Gas penetrability and the sorption properties of slags. p. 20.
- Ianovskii, I. L., and others. - Studying the causes of ejection from converters. p. 31.
- Gladyshev, N. G., and others. - Mechanism of the formation of internal hot cracks in a continuous rectangular ingot. p. 40.
- Kuksa, A. V. - Investigating the character of ingot mold wall deformations with the use of a plexiglas model. p. 45.
- Mironov, I. U. M., Kijuev, M. M., Topilin, V. V. - Effect of electric conditions of electric slag remelting on the rate of electrode metal melting and characteristics of the metal bath. p. 51.
- Polukhin, P. I., and others. - Using the method of electrohydrodynamic analogies in the theory of metalworking by pressure. p. 57.
- Tanovskii, I. I. A., Korzh, V. P. - Investigating asymmetrical deformation by means of the variation principle of mechanics. p. 65.
- Okhrimenko, I. A. M., Zaleskii, V. I., Smirnov, O. M. - Temperature-speed conditions for the deformation of ShKh5 steel in the polymorphic transformation period. p. 70.
- Zolotukhin, N. M., Entin, I. Z., Getmanski, A. P. - Investigating the distribution of plastic deformations by the photoplasticity method. p. 76.
- Shevakin, I. U. F., Popov, M. V., Seidalleev, F. S. - Effect of an alternating stressed state diagram on the mechanical properties of metal. p. 82.
- Polukhin, P. I., Kudr'yatsev, A. S., Bets, N. G. - Investigating the effect of the parameters of rolls and strip width on the rigidity of the roll system on sheet mills. Report no. 2. p. 85.
- Vydrin, V. N., Krahov, V. I. - Investigating the process of continuous rolling of large sections. p. 90.
- Shevakin, I. U. F., Shaikovich, V. S., Seidalleev, F. S. - Speed conditions in the process of roller expansion of tubes. p. 98.
- Ganago, O. A., Stepanenko, V. I., Tarnovskii, I. I. A. - Forces during shaped, closed die piercing. p. 104.
- Zhuravlev, A. Z. - Stresses and unit pressures during forced metal flowing into corners of closed dies. p. 112.
- Severdenko, V. P., Gurskii, L. I. - Certain characteristics of fractional rolling. p. 119.
- Korneev, D. M., Smirnov, G. V. - Heat erosion resistance and deformation of 3 KUGS steel during various methods of cooling. p. 124.
- Elutina, V. P., and others. - Effect of disperse inclusions on the stress-rupture strength of nickel and of nickel-aluminum alloys. p. 129.
- Adamesko, R. A., and others. - Texture for motion during the annealing of strongly deformed silicon iron. p. 133.
- Postnikov, V. S., Ammer, S. A. - Elasticity modulus and strength of filament crystals. p. 140.
- Elutina, V. P., Lysov, B. S., Milin, B. S. - Interaction of niobium with aluminum oxide. p. 145.
- Paisov, I. V., Krechmer, V. G. - Investigating the wear resistance of complex-alloy high strength steels. p. 149.
- Geller, I. U. A., Molisev, V. F. - Effect of titanium and niobium on the properties of high-speed steel. p. 152.
- Shukhturov, R. I., Paisov, I. V. - High-temperature thermomechanical treatment of 55C2 steel with addition alloys of carbide-forming elements. p. 157.
- Korneev, D. M. - Heat-erosion resistance of steels for forging dies. p. 162.
- Lovi, L. I., Paltikhah, Prapat Sh. - Effect of nitrogen on the formation of a chill layer and a transition zone in gray cast iron. p. 168.
- Chuvilkin, N. G., Shcherbakov, V. A. - Analytical determination of temperature fields by the height of the regenerator checkerwork in an open-hearth furnace. p. 173.
- Ivanov, V. V., Vidin, I. U. V. - Temperature field in a parallelepiped heated by a radiant flow. p. 180.
- Mastrukov, B. S., Krivandin, V. A. - Effect of the elementary composition of soot particles on their radiation characteristics. p. 183.
- Vaschenko, A. I., Zerkovskii, A. G., Mogilevskii, E. I. - Effect of lithium salts on the oxidation of steel during its heating in flame furnaces. p. 188.
- Ivanchenko, F. K., Zhernachuk, V. D. - Dynamic loading in the tilt mechanism of a converter. p. 194.
- Grakovskii, G. I. U. - Using FEP-3 and FEP-4 pyrometers for the measurement of flame radiation. p. 200.
- Shvetsov, V. E., Lizunov, G. I. - Chromatographic analysis of blast furnace gas. p. 204.

Logostup, O. I., Semikin, V. I. - Conference on the theory and practice of oxygen-blown converter processes. p. 210.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geologiya i razvedka [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Geology and Prospecting].** Moscow, vol. 7, no. 11, Nov. 1964.

- Table of contents translated.
- Slutskii, M. S., Golikov, V. A. - Growing unity of science and production. p. 3.
- Zauzolkov, V. F. - Concerning the place of actualism in the science of sedimentary rocks. p. 6.
- Nikitina, M. I. - Concerning the correlation of volcanic-tectonic formations of the Abshira-Akhuba Ridge and the Bol'shoy Zoluchuk Valley (Northern Caucasus). p. 18.
- Taikhonov, M. I. - Features of the formation of the Zhetyay anticlinal uplift. p. 32.
- Turanov, V. A., Gavrilov, V. P., Bykov, R. I. - Concerning the stratification of the Lower Cretaceous sediments in the southern Aral Sea region. p. 36.
- Vishnevskii, I. I. - Gneiss of the Zheldytai (Central Kazakhstan). p. 42.
- Nikolaev, V. B. - Concerning the composition of the carbonate rocks of the Upper Cretaceous of the Crimean research region. p. 50.
- Dakladina, A. P. - Calculating the potential methane capacity of coals on the basis of the micro-component composition and degree of metamorphism. p. 64.
- TSrikhova, E. M. - Distribution of lead-zinc mineralization areas adjacent to Sadon latitudinal structures. p. 69.
- Bondarev, V. P. - Carbonate rocks as a raw material for the fitting of sour soils based on a study of the surrounding regions of the "Dubki" training farm in the Naro-Pominsk region, Moscow Province. p. 66.
- Ovchinnikov, A. M., Rogov, G. M., Solomko, L. A. - New area of the development of carbonate mineral waters in the Kuznetsk Basin. p. 71.
- Antropiev, A. M. - Role of ancient depressions in the flooding of refractory-clay deposits in the Borovichi-Lyubytino region. p. 77.
- Komarov, I. S. - Developing rapid methods for research in engineering geology in the designing of large reservoirs. p. 86.
- Shkharina, N. G., Eliseenko, L. A. - Concerning the interpretation of vertical electric sounding curves on an electronic computer. p. 94.
- Artyshchev, V. A. - Investigating certain factors affecting density measurement by the scattered gamma-radiation method. p. 98.
- Kiselev, A. T., Kuselevich, A. B. - Boring prospect holes with a steel-shot hydraulic percussive instrument in rocks of great hardness. p. 108.
- Shelkovnikov, I. G. - Increasing the efficiency of machinery used in percussive-rotary drilling. p. 114.
- Tolstikhin, M. I. - Second alternative for numerating natural waters. p. 124.
- Ul'menev, F. S., Kuzin, V. N., Nikol'skii, A. I. - Studying metamict minerals under an electron microscope. p. 126.
- TSyganov, R. I. A. - Evaluating the causes of the development of landslide phenomena by the correlation method. p. 131.
- Loktionov, S. P. - Concerning the mineralogy, chemical composition, and genesis of Alpa concanatory phosphorites of the right bank of the Volga River in the area of Saratov Province. p. 132.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimicheskii metallurgiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy].** Moscow, vol. 8, no. 2, 1965.

- Table of contents translated:
- Rzhevskii, V. V. - Modern scientific and technical basis for the planning and carrying out open pit mining operations. p. 3.
- Shkol'nikov, A. D. - The task of drawing up an operative plan. p. 7.
- Markhashin, A. B. - Information transmission in an operative control system of technological processes in a strip mine. p. 13.
- Alekhov, B. I., Orlov, R. V., Bazylev, V. G. - Algorithm of the control of a mining complex with an averaging system; Lebedi Mine. p. 20.
- Iakovlev, V. L. - Drawing up an optimum supply plan for an ore dressing plant with the aid of electronic computers. p. 26.
- Petov, V. I. - Using mathematical programming and electronic computers in planning the development and distribution of the rock products industry. p. 31.
- Berezniak, M. M., and others. - Use of electronic computers in planning open pit mines. p. 39.

- Takhtman, I.B. - Method of utilizing geological sections in the investigation of open pit mining work procedures with the use of electronic computers. p.48.
- Khokhriakov, V.S., Ragozin, K.I.A., Trop, A.E. - A photoelectric mining stereoplottometer. p.53.
- Druzhinin, A.V. - Determination of the production capacity of a strip mine. p.59.
- Nevelin, G.A. - The optimum placement of dump piles in the early years of working a strip mine as a factor of the economical regulation of mining procedures. p.64.
- Tserenshiyrov, P.T. - Choice of the optimum location for an ore dressing plant using the linear programming method. p.70.
- Pakhomov, E.M. - Calendar distribution of mining work volume in the planning of strip mines as an objective for mathematical programming. p.77.
- Bogachev, A.F. - Use of linear programming for the economic grounds of optimum condition for stripping operations. p.84.
- Treivus, M.N., Starkov, V.L. - Calculation of the overburden load removal flow by linear programming methods. p.89.
- Vinitskii, K.E., Rentovich, E.I. - Choosing efficient parameters of loading and transportation equipment for strip mines. p.93.
- Novozhilov, M.G., Tarlovskii, B.N., Gavriluk, I.I. - Basis for the optimum height of the bench for flux limestone quarries with the use of electronic computers. p.100.
- Esikin, V.S. - Use electronic computers for the determination of parameters of a transportation and dumping system in mining. p.106.
- Chebykin, V.S. - Using an electronic computer for the determination of efficient parameters of dump formation with conveyor transportation. p.110.
- Korkin, I.U. - Determination of dynamic stresses in traction chains of conveyor hoists for drill pipe with the aid of electric modeling. p.117.
- Lomakin, V.P., Kaminskaya, D.A., Bogdanov, N.I. - Analysis of the energy balance during stopping of the bucket raising drive of powerful excavators. p.122.
- Shubenko, V.A., Braslavskii, I.A., Gil'debrand, A.D. - Design of an a.c. servo drive optimum in respect to response and accuracy with digital program control. p.128.
- Volkov, A.A., Evdokimov, A.G. - Mathematical description of steady air distribution processes in mine ventilation systems. p.136.
- Abramov, F.A., and others. - Study of air flow interconnections in a mine ventilation system with the aid of a rapid electronic machine. p.144.
- Kolda, N.U. - Hydraulic calculation of a ventilation system on automatic computers by locating the minimum of a specific function. p.151.
- Tseitlin, I.U.A. - Electric modeling of a pneumatic system in mines. p.156.
- RUSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshih uchebnykh zavedenii, nef'i i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Petroleum and Gas]. Moscow, vol.8, no.8, 1965. Table of contents translated:
- Kudrjavtsev, V.S. - Diffusion-adsorption activity of the carbonate rocks of the Upper Cretaceous (Crimea) p.3
- Chernyshev, S.M., and others - Recent data on the distribution of red-colored and magmatic rocks in the Kurma region of eastern Ciscaucasia. p.8.
- Moldavskii, V.S. - Brine waters of the Apsheron Archipelago and the conditions governing their formation. p.9.
- Iakubov, A.A., Rakhmanov, R.R., Razbivina, L.A. - Eruption of the Agzybir mud volcano. p.13.
- Spirin, P.A. - Protecting underground oil and gas pipelines from corrosion. p.16.
- Bashirov, I.A. - Role of gas as a basic energy carrier. p.16.
- Gadzhiev, A.N. - Recent data on the Upper Cretaceous (Santon-Kampan) sediments in the Sumgait-Kesh Interfluvium in connection with their oil and gas potential. p.17.
- Belikov, V.G. - Permissible axial load on a bit in electric drilling. p.21.
- Solov'ev, E.M., and others. - Nitroglucin as a reducer of the viscosity and water loss of cement slurry. p.25.
- Eremenko, T.E., Iakovlev, V.A. - Selecting methods for determining the service lifetime of bits. p.29.
- Kerimov, R.G. - Movement of a viscoplastic fluid through annular space. p.33.
- Bereznoi, N.I. - Effect of gas pressure on the permeability of rocks. p.37.
- Bogachev, B.A. - Determining the output of a well in case of elastic drive. p.40.
- Leshehli, N.P. - Flooding gas-cut petroleum with water. p.41.
- Mataev, G.A., Garunov, G.A. - Determining reservoir parameters on the basis of the rate of pressure change. p.47.
- Fishgang, F.Z. - Polarized curves of the aluminum sheathing of a communications cable in solonchak media. p.50.
- Chegodayev, F.A., Klimenok, B.V. - Mechanism of complexing in case of the reaction of n-paraffin hydrocarbons with an aqueous solution of urea. p.51.
- Morozov, B.F., Levintser, M.E., Panchenkov, G.M. - Kinetics of the formation of coke on various types of catalysts. p.55.
- Mekhtiev, S.D., Lushin, M.M. - Alkylation of toluene with diisobutylene. p.61.
- Movsumzade, M.M., Belbutova, S.S. - Dewaxing the lubricant components of petroleum from the island of Pechany with methyl isopropyl ketone. p.65.
- Rybachok, I.N., Shul'ga, P.M. - Some results of the operation of units used in the preparation of petroleum for the petroleum refinery. p.69.
- Varlanov, A.A., Alkhasov, T.G., Belen'kii, V.S. - Studying the effect of oxygen and isomylene concentrations on their oxidative delhydrogenation. p.72.
- Chilay, A.A. - Determining the pressure field in a fragmented nonuniform bed using the method of statistical tests. p.73.
- Shchetkachev, V.N., Samarskii, A.A., Vladimirov, L.A. - Solving special boundary problems of nonsteady fluid flow in an elastic bed using electronic computers. p.77.
- Burtsev, I.B., Telkov, A.P. - Determining the coefficient of hydraulic resistance in case of fluid flow in pipelines. p.81.
- Andreeva, E.M., Chernikh, V.I. - Heat interference in a network of underground reservoirs. p.85.
- Mamon, L.I., and others. - Investigating fluid leakage in external contact stuffing boxes. p.91.
- Arstov, M.I.U. - Seizing in case of dry friction between pure metals and their alloys. p.95.
- Ibragimov, I.A., Nagiev, Sh.A. - Analyzing factors affecting pyrolysis in an "ethylene regime" and determining the parameters of automatic control. p.97.
- Sutovskii, S.M. - Some problems concerning the coordination of photometric analyzers with measurement conditions. p.101.
- Syromiatnikov, E.S. - Specific capital investments in the evaluation of the efficiency of new drilling equipment. p.105.
- Andreev, D.I.A. - Optimizing the operation of processing units for the refining of petroleum. p.109.
- Mamedov, N.V. - Interpreting the Kirmaki-series curves of trielectrode laterologging. p.114.
- Vol 8, no 4, 1965. Table of contents translated:
- Arabadzhi, M.S., Vasil'ev, I.U.M., Mil'nicuk, V.S. - Using mathematical statistics in petroleum geology. p.3.
- Vatan'lar, A.Kh. - Conditions governing the accumulation of Lower Cretaceous sediments in northern Afghanistan. p.9.
- Palatnik, G.G., Kerimova, A.A., Kreinin, E.F. - Determining the oil and gas saturation factor of the rocks of the Kirmaki series based on a study of the Blagady and Chakhnaglyar oil fields. p.13.
- Blagonravov, N.S. - Some data on the hydrogeology of the Upper Maykop sediments of central and eastern cis-Caucasia. p.17.
- Mukminov, R.A., Mavliutov, M.R. - Calculating the circulation system in drilling using bottom-hole scavenging with aerated fluid. p.21.
- Akhmedov, Z.M., Samedov, T.A. - Hydrodynamic investigation of the accumulation of condensate in a bed with nonsteady flow of the gas-condensate mixture. p.29.
- Gusein-Zade, Z.I., Aleskerov, S.S. - Determining the gas velocity minimal for the initial exclusion of condensate from a well. p.33.
- Bul'chuk, D.D., Devlikamov, V.V. - Super-saturated oil phenomena. p.37.
- Varlanov, A.A., Belen'kii, M.S., Al'khasov, T.G. - Investigating the effect of the volumetric speed and temperature on the oxidative dehydrogenation of isomilenes. p.40.
- Donkov, K.M. - Distortion of indicator lines taken in the deep wells of a fractured reservoir rock. p.41.
- Gadzhiev, Sh.A. - Generalizing the basic differential equation in the theory of an elastic regime for a case in which the reservoir and fluid parameters depend on pressure. p.45.
- Razamat, M.S. - Graphic method for determining the reservoir pressure of gas-condensate wells in contact with an oil ring. p.47.
- Plyovarova, G.A., Dorogochinskii, A.Z. - Studying the regularities in the drainage of C<sub>3</sub> fractions on molecular sieves. p.53.
- Entov, V.M., Sukharev, M.G. - Self-modeling case of plane-radial nonstationary flow with a nonlinear law of resistance. p.57.
- Spirin, A.A., Bashirov, I.A. - Investigating methods for selecting wire sizes for oil-field networks. p.64.
- Udovenko, A.A. - Investigating the coefficient of the rate of flow through annular orifices. p.65.
- Mukhamedzhanov, G.Kh., Usmanov, A.G. - Generalizing test data on the coefficients of the heat conductivity of fluids and their mixtures. p.67.
- Aliev, T.M., Ter-Khachaturov, A.A., Fedushenko, I.U.V. - Monitoring the operation of deep-well sucker-rod pumps using stroke-grams. pp.72, 88.
- Abdurashitov, S.A., Saidov, M.G. - Investigating the hydraulic parameters of the valves of piston direct-action steam pumps operating on viscous fluids. p.73.
- Neechal', M.V., Novoselov, V.F. - Determining the volume of a mixture in the successive pumping of gases. p.77.
- Asanulian, A.Sh., Gerasimov, I.U.A., Chernikh, V.I. - Efficient hydraulic transport of viscous and highly-viscous petroleum. p.83.
- Fleishman, M.I.A. - Automated controlled electric drive for the smooth start-up of a beam-well unit. p.89.
- Kulikovskii, L.F., and others. - Drilling footage recorder. p.91.
- Fridman, M.E., Vigdorov, D.I. - Transforming single-phase voltage into triple-phase in deep-well telemetering units. p.95.
- Syromiatnikov, E.S. - Accelerating the hoisting and lowering operations in oil well drilling by introducing new equipment. p.101.
- Gadzhiev, M.S. - Area of the economically practicable use of 41 and 53 m derricks. p.104.
- Kerimov, D.A., Mustafae, A.D., Dzharrahkhov, A.R. - Effect of moulding pressure on shrinkage. p.109.
- Zainalov, A.M. - Prospects for finding oil in the Upper-Cretaceous sediments of the tortuary land of the Piragat-Akhu Interfluvium (Shemakha District). p.113.
- Dorogochinskii, A.Z., Zhavoronkov, M.N. - Outstanding scientist chemist-petroleum engineer K.V. Kharichkov. p.115.
- Iampol'skii, Z. - Ancient records of the surfacing of oil and gas in Azerbaijan. p.119.
- SHAKHTNOE STROITEL'STVO [MINE CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction of the U.S.S.R.] and others. Moscow, vol. 8, no. 4, Apr. 1965. Table of contents translated:
- Val'shtein, G.I., Matolin, P.K. - New objectives of Kaiganda Basin miners. p.1.
- Khoruzhii, V.I. - Precast reinforced concrete tower headframes and prospects for using them in the Kivoy Rog Basin. p.5.
- Leibenzon, D.I. - Controlling the verticality of mine shafts by the ultrasonic location method. p.8.
- Nosovskii, A.A. - Studies preceding the design of a boring column in the UZTM boring equipment. p.11.
- Fedorov, A.M. - Calculating the quantity of air flowing through workings divided by a longitudinal partition. p.13.
- Nikitin, V.D., and others. - Making 2,871 meters of lateral haulage drift in 31 working days. p.15.
- Strashko, B.I.U., Kharin, A.N., Golub', T.F. - Erection of a metal tower headframe in the Donets Basin. p.18.
- Vagin, G.I., Logachev, N.T. - Waterproofing mine shafts in the western Donets Basin. p.20.
- Ortner, A.B., Rubtsov, I.V. - Removal of rock during the mining of inclined workings with the help of the "Prakhodchik" machine. p.23.
- Fatullin, A.M., Podkopnev, P.A., Andreev, E.K. - Compressed air charger for charging boreholes and blastholes. p.24.
- Plaksin, I.U.A. - Assembly of hoisting machinery. p.26.
- The T3 bit. p.31.
- SOVETSKII SHAKHTER [SOVIET MINER]. Issued by Tsentralnyi komitet Profsoyuzov rabochikh ugol'noi promyshlennosti SSSR [Central Committee of the Trade Union of Workers of the Coal Industry of the U.S.S.R.]. Moscow, vol. 14, no. 4, Apr. 1965. Table of contents translated:
- Safonov, E. - Under the direct leadership of Lenin. p.1.
- Fedorov, P. - A wreath for Il'ich. p.3.
- Kuz'mich, A. - Along the path of technical progress. p.6.
- Andreev, P. - Test engineers? But that's not all! p.8.
- Rabicheva, N., Pergamenshchik, M. - A wonderful combination. p.10.
- Bulin, I. - In their fathers' footsteps. p.12.
- Rubtsova, L. - A miner steps into the future. p.16.
- Bakulin, P. - Section boss. p.17.



- Kotov, V., Vysokov, M. - Even this is not the limit p. 18.
- Kochetov, V., and others. - Communist labor is creative labor. p. 20
- Kravnarenko, V. - Rapid underground mine workers p. 26.
- Petrov, B., and others. - In institutes and laboratories. p. 28.
- Platkovskii, G. - People with drive achieve success p. 30.
- Kotafanov, I. - In the reception room of the Mining Committee. p. 34.
- Vartolomeev, V. - Away from the issue at hand. p. 35
- Badrin, N. - Coal miner. Ivan Korniienko. p. 40.
- Aleksandrov, V. - Spoilsmen of the Coal Basin beyond the Arctic Circle. p. 41
- Nechayev, N. - Labor safety is the business of every miner. p. 42.
- Semenov, A., Rol, K. - Joint statement by the Federation of Miners in India and the Central Committee of the Trade Union of workers in the coal industry of the U S S R. p. 46

# **SVERDLOVSK, URAL'SKII NAUCHNO-ISSEDOVATELSKII KHIMICHESKII INSTITUT. Trudy [URAL-CHEMICAL RESEARCH INSTITUTE. Transactions].** Leningrad, no. 6, 1968.

Contents: Controlling and measuring instruments and regulators developed by the Institute Kontrol'no-izmeritel'nye pribory i regulatory, razrabotannye v institute. 175 p.

- \*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Gosudarstvennyi komitet po chemii i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U S S R.] and others. Moscow, vol. 38, no. 4, Apr. 1965.

## Table of contents translated:

- Annenkov, V.A. - Introduction as scheduled of new productive capacities. p.1
- Kirova, T.F. - Brief summary of work at Central Ural ore dressing plants p.5.
- Plakshin, I.N., Shukhmatov, S.S. - Use of flotation jiggling in ore dressing. p. 8.
- Vershinin, E.A., and others. - Efficient flotation flow chart for collective concentrates at the Slay plant. p. 14
- Karmazin, V.I., Bebeshev, A.A., Karaseva, V.N. - Effect of certain factors on the amount of electric charging of minerals obtained in a corona discharge electric field. p.17.
- Besidovich, G.I., Kisilakov, L.D. - Study of floatability of antlerite from the Udokan deposit p.21
- Kershanovskiy, I.I., Kugarmannov, O.Kh. - Preparation of copper concentrates for converter processing p.22.
- Buketov, E.A., and others. - Shaft furnace calcination of electrolytic copper slime. p.28.
- Ragozinov, V.A., Grishenkov, E. E. - Refractories for copper smelting converters p.31.
- Maslennitskii, I.N., Chugaev, L.V. - Autoclave processing of intermediate products of converter matte flotation separation. p.35.
- Vorob'ev, V.A. - Causes of converter slag frothing during nickel matte processing p.39.
- Utkin, N.I., and others. - Results of plant tests on the deep removal of impurities from sodium silicate slags p.41.
- Khudakov, I.F., Iaroslavtsov, A.S. - Peculiarities of autoclave oxidation of binary sulfide alloys. p. 45.
- Mazel', V.A., Mol'nikova, V.P. - Use of dolomite limestone in producing aluminum oxide from aluminum silicates by calcining with lime. p.50.
- Tikhonov, V.N., Kuznetsov, S.I. - Effect of ultrasonic vibrations on the decomposition rate of aluminate solutions. p. 62.
- Dorzhiev, M.N., Kuzin, B.M., Shuyayev, E.A. - Thermal insulation of graphitizing furnaces. p.67
- Babadzhan, A.A., and others. - Thermodynamic analysis of germanium behavior in the pyroselection process. p. 69.
- Kolesnikov, N.A., Koz'min I.U.A., Getskin, L.S. - Calcining electrolytic copper slimes with soda in a fluidized bed. p. 62.
- Krasnikov, N.E., Skriabin, N.P. - Deformation of titanium alloys during rolling. p. 64.
- Khorov, A.I. - Production of high strength pipe from VT15 alloy using thermomechanical treating p. 67.
- Shpilchinskii, E.S., Kalutin, S.G. - Study of metal grinding in combination cold rolling. p. 70.
- Andreev, A.D., Zasyupkin, V.A., Istrin, M.A. - Conference on more efficient furnace designs for melting aluminum alloys. p. 73.
- Kuznetsov, A.N. - Prospects for the use of induction channel furnaces for smelting aluminum and its alloys. p. 80.
- Mochalov, P.P., and others. - Induction furnace for heating slabs. p. 83.
- Shvitskii, L.D., Ponomarenko, A.D. - Enamel base protective coatings for structures. p. 87.

Vasilii Fedorovich Fedorov; an obituary. p. 88.

Basov, A.I. - Generalizing the experience acquired in operating and improving the equipment of nonferrous metal ore dressing plants p. 91

UGOL' [COAL]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U S S R.] and others. Moscow, vol. 40, no. 4(469), Apr. 1965.

## Table of contents translated:

- Kagan, F.I.A. - Reorganization of mine assets in the Donetsk Basin is the most important objective of the national economy. p. 1
- Record production of coal with the use of a plow. p. 6.
- Khimov, A.I., Butalov, V.V., Vinilimirov, G.G. - Drifting 2,075 running meters in one month with the PKG-3 cutter-loader at the "Baldaevskiy uklyon" mine p. 10.
- Druzhinin, F.A. - Work practices of the Em. Iaroslavskii mine working a five day week. p. 11.
- Area using pneumatic energy in coal mines
- Shishkin, N.V., and others. - Using electric power in coal mines p. 14.
- Advantageous size of depression for large mines
- Tomashevskii, L.P. - Effect of the size of the overall mine depression on the spontaneous combustion of coal. p. 18.
- Pak, V.S., and others. - Size of the maximum permissible overall mine depression. p. 22.
- Lokshin, B.S., Babels, I.U.N. - Mine depressions and grouping of seams. p. 24.
- Sudoplatov, A.P., Orlov, R.V., Platkin, A.M. - Network planning and prospects for its use in the coal industry. p. 26.
- Burchakov, A.S., and others. - Using the PERT system for planning the expansion of mining operations in a mine. p. 30.
- Skuba, V.N., Chibotayev, A.F. - Effect of the tightening of anchors and the type of supports on the stability of an anchored roof. p. 34.
- Galtch, I.V. - Rock cleavage and manifestation of rock pressure. p. 37.
- Kutsov, V.K. - Determining the hardness of rocks in the field. p. 40.
- Vinokur, B.Sh. - Effect of the rate of face advancement on the stability of the outcropping of wall rock. p. 41.
- Kolomin, R.G. - Working contiguous seams at the "Derezhovskaya-I" mine of the Kemerovugol' Trust. p. 43.
- Tomakov, P.I., Popov, N.S. - Determining the physico-mechanical properties of rocks in dump piles in Kuznetsk Basin mines. p. 44.
- Derezhnitskiy, M.M., and others. - Using combined truck and railroad haulage in open pit mines of the southern Kuznetsk Basin. p. 46.
- Vinit'skii, K.E., Reontovich, E.I., Leonchuk, M.P. - Optimizing loading and hauling operations in strip mines by the nonlinear programming method. p. 49.
- Polikov, N.S., and others. - Results of the experimental testing of the SP-63 scraper conveyor. p. 53.
- Doroshenko, A.G., Savenko, I.U.F., Danilov, A.A. - Scraper haulage of coal in the making of cross cuts and cross holes. p. 56.
- Rochin, V.D., Smirnova, S.A., Shilazhas, R.I. - Factors in differentiating the amounts of amortization deductions in Kuznetsk Basin mines. p. 58.
- Chernov, O.I., Puzyrev, V.N. - Effect of wetting on gas liberation from coal. p. 62.
- Marchenko, P.A. - Permissible difference in double measurements of the length in underground traverses. p. 66.
- Norkin, I.M. - Modern conveyor transportation of overburden and coal at the "Trebendorf" strip mine. p. 67.
- Kagan, F.I.A. - In the State Committee for the fuel industry under the State Planning Commission of the U.S.S.R. p. 72.
- Orlov, A.A., Shafer, T.I. - Discussing problems of rock pressure. p. 74.
- Voznesenskii, V.V., Khutlarskii, E.E., Avdonin, E.I. - Starting centrifugal pumps without priming. p. 75.
- Romanchenko, G.N. - Reinforced concrete mine ties designed by the Moscow Region Scientific Research and Design and Planning Coal Institute. p. 76.

UGOL' UKRAINY [COAL OF THE UKRAINE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Ukrainian S S R. for the Coordination of Research]. Kiev, vol. 9, no. 4, Apr. 1965.

## Table of contents translated:

- Zykov, V.M., Sudoplatov, A.P. - Limitations and ways of eliminating them in the efficient use of complexes and machines in longwalls. p.1.
- Bashinskii, I.U.M. - Influence of overlying seam pressure on the timbering in major workings of deep mines. p.7.

- Novitskii, A.M., Naidyshev, A.M. - Caving of the roof without battery stulls in flat seam longwalls p.10
- Komarov, A.I., Shamaeva, M.P., Ovcharenko, B.P. - Approximate estimate of the strength of rock by the depth of deposition and metamorphism p. 11
- Maiveev, M.T., Shkvorets, I.U.F. - Some results of and immediate tasks for the introduction of efficient means of mechanizing stoping operations in steep Donetsk Basin seams. p. 13
- Veisberg, K.G., Karas', S.V., Brunahtin, E.Sh. - Sparkproof electrical system for the remote control of cutter-loaders p. 19.
- Voznesenskii, V.V., Kurbatskii, B.P. - Protection of mine drainage equipment from water hammer p. 22
- Dobranskaya, E.M., Bogdan, B.A., Kuklin, B.K. - Results of correlating the work practices of leading cutter-loader brigades in mining flat seams p. 23.
- Borodin, P.A., Moliseev, M.A. - Completion of a wing of a mining area by several simultaneously working longwall mining teams per level p.27.
- Bratkov, E.N. - Economic advantage of introducing the UKK cutter-loader for use in a mining area of short length. p.31.
- Gubin, N.T., Kratzeiburd, P.B. - New record set by the miners of I.D. Zinchenko's brigade. p. 32
- Ermachenko, P.S. - Technical progress in Krasnoluchugol' Trust mines. p. 33
- Iakovchenko, I.N. - Making 350 meters of a two-lane haulage drift in one month p.36.
- Trufanov, V.F., Savenko, I.U.F. - Mechanical removal of slag from the steam boiler room. p. 38.
- Iakushev, V.G., "Pushkar", D.G. - Lifting crane for electric locomotives in mines p.38.
- Zhovtiuk, G.V. - Basic trends in the expansion of coal preparation in the Ukraine p.39.
- Kushmet, V.G. - Simultaneous erection of a headframe and sinking of a vertical shaft using various methods of rock transportation p. 44.
- Negrutskii, B.F. - Assembly of the equipment of a skip shaft complex. p.47
- Grigorash, A.M., Brzhevskaia, E.I., Osipov, S.N. - Methane liberation during the operation of narrow-cut K-52m complexes in a high gas content seam. p.48.
- Boiko, V.A., Gretsinger, B.C. - Methods of controlling gas liberation in the space near the face p. 50.
- Shekharanskii, B.M. - At the conference on the automation of industrial processes. p. 55.
- Grigoriev, V.L., Gandel', K.K. - Meeting of the Central Scientific Technological Society for the problem of deep mines p. 56.

Vol. 9, no. 5, May 1965.

## Table of contents translated:

- More coal for the national economy. p.1.
- Kornitskii, A.M. - The KM-87 unit has been mastered. p.5.
- Olenko, M.I.A., Moslenko, O.A., Sochnev, I.A.I. - The Katinugol' Trust is trying to improve its indices. p.6.
- Soletskii, B.F. - For an early fulfillment of the seven year plan p. 7.
- Chelbanov, V.I. - Powered supports at mines of the Donetskugol' Trust. p. 10.
- Zorin, L.F., Martynenko, I.A. - Improvement and prospects for the introduction of the auger boring method of mining coal in the Volin deposit. p. 12.
- Goncharenko, D.I., and others. - Scraper-plow mining of coal on flat and inclined seams. p.17.
- Fed'ko, A.M. - Efficient parameters of arranging lateral workings during the mining of flat seams. p. 19.
- Iukhimenko, A.G., Korolev, B.P. - Bearing capacity of rod bolting made of pressed wood. p. 20.
- Kryuchenko, A.A. - Establishing an efficient program for the drawing of entries in stopes following first mining with hydraulic breaking. p. 22.
- Zaria, A.N. - Efficient operating conditions for hydraulic coal dredgers. p.25.
- Aksennov, V.P., Rozenplonier, A.E., Cherniavskii, A.T. - Rotary bucket excavators and their use in open pit mining. p. 28
- Turonko, A.N., Kuz'menko, A.Kh., Dunaevskii, I.U.N. - Operating conditions for a waste-disposal conveying unit at the "Semenov-Golovkovskii" strip mine and utilization of calendar scheduling. p. 30.
- Lalyshev, A.I. - New design traction chains p.32
- Dolina, L.F., Laktionov, I.U.A. - Automatic coal sampler p. 33
- Ivashin, V.M., Skorkov, D.P., Pogrebniak, L.K. - The TK-52m narrow-work cutter-loaders in Luganskugol' Combine mines. p.35.
- Glushchenko, M.E. - Working out a mine area without the use of floor pillars p.38
- Sokolov, A.I. - Use of movable crossing tracks in drifting. p. 40
- Vasilevman, S.G., Andreev, A.V. - Investigating the parameters of the technological condition of the magnetohydrodynamic separation of coal p. 41.
- Nebrenchik, A.M. - Using an alternating current for feeding magnetohydrodynamic separators. p.44.



ov, G.I., Popov, I.N., Bobrov, A.I. - Nature of transient gas dynamics phenomena in mine explosions of the Donetsk Basin. p. 46.  
A.G. - The correct organization of the assignment system in mines is the guarantee of safe work. p. 55.  
Ghislil, A.A. - Design of the "Shakhterskaya-bokkala" mine. p. 53.  
Bern, F.I.A. - Seminar on the exchange of experience in the practices of collectives of communist workers. p. 55.

NYI NAUCHNO-ISSEDOVATELSKII INSTITUT VOI TEKHNIKI Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF DRILLING TECHNOLOGY. S. Transactions]. Moscow, no. 14, 1965. Periodic technology of drilling.

Table of contents translated:  
I.A.A., and others. - Brief review of the results of drilling in the test-model wells in the Dambad-Damba area. p. 3.  
I.A.A., and others. - Results of drilling tests with No. 7. bits. p. 33.  
I.A.A., L. Kh., Gaidoronskii, A.A. - Investigation of the oval shape and wall thickness of full-scale drilling pipes. p. 44.  
I.A.A., N.V., Iuzbashev, G.S. - Method for determining the loads on casing pipes. p. 49.  
I.A.A., N.D. - New types of threaded joints for threaded drill pipes. p. 54.  
I.A.A., A.A. - Stresses developing in a cement casing. p. 63.  
I.A.A., A.A., Shul'ga, G.P. - Investigating the plugging properties of cement grouting. p. 77.  
I.A.A., V.O. - Method for controlling the simultaneous deviation of wells from the vertical. p. 88.  
I.A.A., I.U.S., and others. - Effect of the configuration of a slant hole on the load on the hook when using a tool. p. 98.  
I.A.A., I.U.S., Kallin, A.G., Popov, V.M. - Interaction between the loads on the hook when hoisting casing and the loads on the bottom in a well that is slightly crooked. p. 102.  
I.A.A., L.M., Volkov, V.I., Semenov, I.U.D. - Estimating the drillability of rocks on the basis of geophysical data. p. 106.  
I.A.A., M.G. - Investigating the operational properties of 76-112 mm insert bits when drilling hard abrasive rocks. p. 113.  
I.A.A., V.V. - Speed of the movement of a cutter in mud. p. 125.  
I.U.S. - Investigating cuttings in case of air and water flushing. p. 130.  
I.A.A., M.T., Nikitin, G.M., Sobkina, I.V. - Some problems in operations in multisectional turbodrills. p. 136.  
I.A.A., S.S., Orolentsov, F.D. - Producing cuttings of turbodrill blade rows by casting in metal molds obtained by hot pressing. p. 161.  
I.A.A., I.A.A., Zil'berman, A.B. - Some investigations of turbodrills. p. 166.  
I.A.A., V.M., Nurgaleev, R.M. - Investigating the resistance of the valve unit of a hydraulic-assist device. p. 165.  
I.A.A., M.G. - Methods for technical and economic calculation of the regimes and methods for mechanical drilling. p. 178.  
I.A.A., I.U.S., M.A. - Method for calculating the cost of meter of footage as a function of the drilling parameters. p. 192.  
I.A.A., S.G. - Basic features of the recent documents for the construction of oil and gas wells. p. 198.  
I.U.A. - Drilling for oil and gas in the United States. p. 208.

NYI NEFTEGAZOVYI NAUCHNO-ISSEDOVATELSKII INSTITUT Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND GAS. S. Transactions]. Moscow, no. 42, 1965. Razrabotka nefiannykh mestorozhdenii i gidrodinamika [Development of oil fields and hydrodynamics].

Table of contents translated:  
A.G., Vezirov, D.Sh., Kocheshkov, A.A. - Estimating the oil yield of fractured reservoirs extended under conditions of solution gas drive (according to the data of experiments on models). p. 15.  
A.A., Vezirov, D.Sh. - Some problems concerning the oil yield of fractured-porous reservoirs in case of flooding. p. 15.  
I.A.A., V.G., Aslanov, R.T., Kurmaev, V.G. - Method for the experimental study of the effect of well spacing on the water flooding of petroleum from a nonuniform bed. p. 30.  
I.A.A., Kuranov, I.F. - Hydrodynamic calculation of certain multiphase fluid flows. p. 43.  
I.A.A., V.P. - New two-dimensional problems concerning the shifting of the fluid interface in a porous medium and their exact solution. p. 55.

Kurbanov, A.K., Kuranov, I.F. - Movement of the water-oil contact in a double-layer reservoir. p. 93.  
Zolotarev, P.P., Nikolaevskii, V.N. - Distribution of pressure waves in rocks saturated with fluid. p. 112.  
Safonov, S.V. - Simultaneous inflow of petroleum and bottom water to series (lines) of producing wells. p. 131.  
Zabrodin, P.I., Pruslin, I.A.A., Vakulin, A.N. - Laboratory investigations of the flooding of unrecovered oil from a flooded reservoir with solvents. p. 143.  
Stepanov, V.P. - Deformations of fluid-saturated porous media in case of small dynamic loads. p. 153.  
Stepanov, V.P. - Reflection of sound waves from a surface separating various two-component media. p. 164.  
Tesluk, E.V., Trebin, G.F., Ostrovskii, I.U.M. - Theoretical investigations of the flow of mutually soluble fluids. p. 174.  
Kogan, L.G. - Modeling some problems of the pattern flooding of fluids with gases on ohmic-resistance networks. p. 191.  
Afanas'ev, A.V., and others. - Electric modeling of the flooding of petroleum with a fringe of liquefied gases taking into consideration the mutual solution of fluids. p. 193.  
Pravednikov, N.K., Kats, R.M. - Equations for the movement of the water-oil contact in systems of pattern flooding. p. 222.  
Kopyrin, I.U.V., Mikhko, I.T. - Determining the intervals of the inflow of petroleum to a well by the method of differential thermometry. p. 235.  
Stepanov, V.P. - Determining certain parameters of porous beds on the basis of the variation of the fluid level in the well produced by variation of atmospheric pressure. p. 244.  
Riabichina, Z.K. - Auxiliary functions for calculating drowning and oil yield. p. 252.  
Tesluk, E.V., and others. - Nonisothermal multiphase flow and the calculation of thermodynamic effects in the development of oil fields. p. 281.  
Balshev, B.T., and others. - Practicable degree of the drowning of a series of wells when they are switched off from exploitation. p. 294.  
Semin, E.I. - Taking into consideration the nonuniformity of beds with respect to permeability when planning the development of oil pools. p. 322.  
Leibin, E.L. - Establishing the number of wells and core analyses required to determine mean porosity, permeability, and effective height with a given accuracy. p. 340.  
Kovalev, A.G., Kocheshkov, A.A., Postnikov, V.G. - Some problems concerning the present-day status of geology and the development of fractured oil reservoir rocks (digest of foreign literature). p. 362.

#### ZASHCHITA METALLOV [METALS' PROTECTION].

Issued by Gosudarstvennyi komitet po koordinatsii nauchno-isledovatel'skikh rabot SSSR [State Committee for the Coordination of Research of the U.S.S.R.] and others. Moscow, vol. 1, no. 1, Jan.-Feb. 1965. Metal Protection.  
Table of contents translated:  
Control of metal corrosion is a most important task in the interests of the national economy. p. 3.  
Kolotykin, I.A.M., Florianovich, G.M. - Chemical mechanism of the dissolution of iron, chromium, and their alloys in sulfuric acid. p. 7.  
Novakovskii, V.M., Likhachev, I.U.A. - New data on the passivity mechanism. p. 13.  
Pozdeeva, A.A., Antonovskaya, E.I., Sukhotin, A.M. - Passivity of molybdenum. p. 21.  
Solfer, L.M. - Investigating the process of etching dislocations in antimony crystals. p. 29.  
Tomashov, N.D., Ivanov, I.U.M. - Investigating the effect of the degree of deformation and the annealing temperature on the electrochemical corrosion of titanium and a titanium alloy with a 0.2-percent palladium content. p. 36.  
Kosygi, G.G., Kuzub, V.S. - Electrolytic mechanism of the intergranular corrosion of stainless steels and methods of determining it. p. 42.  
Riabichenkov, A.V., Gerasimov, V.I. - Effect of alloying on the resistance of austenitic steels to corrosion cracking in concentrated chloride solutions. p. 48.  
Iofa, Z.A., Batrakov, V.V., Kho Ngok Ba [Huo Ngok Ba]. - Effect of the adsorption of anions on the action of inhibitors of acid corrosion of iron and cobalt. p. 55.  
Gorbunova, K.M., Nikiforova, A.A. - Electrochemical characteristics of nickel in the process of its reduction by hypophosphites. p. 63.  
Rozenfeld, I.L., Vashkov, O.I. - Electrochemical behavior of metals in agitated neutral electrolytes. p. 70.  
Freiman, L.I., Kolotykin, I.A.M. - Investigating the effect of an oxide phase film on the electrochemical behavior of iron and steel in a neutral solution. p. 77.

Vedenkin, S.G., Dobrolubov, V.V. - Corrosion and protection of rails in tunnels. p. 84.  
Nikitenko, E.A. - Dependence of the corrosion of a steel gas pipeline on changes in ground conditions along its route. p. 91.  
Opara, B.K., Zhuk, N.P. - Heat resistance of dispersion-hardened cobalt. p. 99.  
Antonova, E.A., Kuznetsova, L.A., Ivanova, L.A. - Heat resistant coatings from chromium, nickel, boron, and silicon powders obtained on steel by the enameling method. p. 104.  
Andreev, A.E., Putina, O.A. - Corrosion testing of certain structural materials in molten magnesium. p. 110.  
Dembrovskii, M.A., Florianovich, G.M. - Feasibility of using a scintillation  $\gamma$ -spectrometer for the determination of low rates of steel corrosion. p. 115.  
Storchal, E.I., Turkovskaya, A.V. - Methods and equipment for measuring the pH in the layer adjacent to an electrode by means of an antimony microelectrode. p. 118.  
Tomashov, N.D., Shulepnikov, M.N., Ivanov, I.U.M. - Investigating the mechanism of the protective action of palladium in corrosion-resistant titanium-palladium alloys by the radiochemical method. p. 122.  
Lrozhdin, P.F., Osipova, L.I. - Investigating the inhibiting effect of NO<sub>3</sub> ions on the corrosion of stainless steel in 50-60% perchloric acid. p. 123.  
Anonov, I.U.P., Bolen'kii, S.M. - Inhibitors of carbon steel corrosion in diluted sulfuric acid. p. 125.  
Nikol'skii, K.K. - Protection against corrosion of underground metal structures in France. p. 133.

## 17. MILITARY & NAVAL SCIENCES

### a. MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 46, no. 4, Feb. 1965. Table of contents translated.  
Editorial: The secretary, the organizer of party work.  
Sulimov, E. - Fundamentals and principles of Soviet military construction during the transition from socialism to communism. p. 9.  
Gorshkov, S.G. - Perfect combat readiness of the navy in sea and ocean areas. p. 18.  
Averchuk, B., Zhuravkov, N. - Let's talk about the style of the political administration's work. p. 24.  
Lisichkin, M. - In the interests of studying modern weapons. p. 33.  
High responsibility of the communist. p. 38.  
The party led us to victory. p. 45.  
Rodin, V. - Role of the masses and personality in the historical process. p. 51.  
Vinogradov, L., Undasynov, I. - Struggle of the working class of capitalist countries in the present stage. p. 60.  
Noskov, I. - Successes don't come easy. p. 66.  
Filippov, V. - A good beginning is a running start for the matter. p. 71.  
Marxism-Leninism on the principles of the building of socialism and communism. p. 77.  
Skrylnik, A. - Feeling of the elbow. p. 83.  
Procedure of using the 18th paragraph of the Statute of the CPSU. p. 87.  
Presentation of Communist Youth League cards by notable people of the country. p. 88.  
Smotrilekii, E. - Brochures on rocket technology. p. 88.

Vol. 46, no. 7, Apr. 1965.

Table of contents translated:  
Editorial: Leninism conquers. p. 3.  
Demidov, B. - International teaching of communists. p. 11.  
Il'in, S. - Unabated attention to mass political work. p. 20.  
Korotayev, M. - Effectiveness of propaganda of the moral code. p. 28.  
Mikhailov, N. - Pioneer of space routes. p. 33.  
Combat traditions live. p. 36.  
Holiday of the unity and brotherhood of workers; material for reports and discussions on May 1. p. 40.  
Koslovskiy, A. - Be vigilant in the Leninist way. p. 46.  
Blutkin, I.A. - Actuality of visual agitation. p. 52.  
Belous, N. - Against overcautiousness, for initiative. p. 55.  
Drachuk, V. - The ranks of innovators are increasing. p. 68.  
Vasilagin, S. - Leninist ideology is your weapon. p. 69.  
The struggle of the working class of capitalist countries at the present stage. p. 67.  
Sennikov, V. - Labor for the good of the people. p. 72.

Korshunov, V. - Czechoslovakian meetings p. 77.  
 German, S. - The Algerian People's Democratic Republic p. 81.  
 Rybkin, E. - Laws of armed fighting p. 85.  
 Sgibnev, A., Syrovatkin, I. - So that the experience of the best may become the property of all p. 89.

**NASHI VESTI [OUR NEWS].** Published by Soluz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 21, no. 228, June 1965.

**SOVETSKI VAIN [SOVIET SOLDIER]** Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy] Moscow, vol. 47, no. 6 (1026), Mar. 1965.

Table of contents translated  
 A man steps into space p. 2.  
 Honorary citizens of Bratislava p. 7.  
 Shmelov, N. - Over the Hungarian plain p. 7.  
 The family of astronauts is growing p. 9.  
 Gzhel'skii, V., Peredel'skii, V. - Man prepares for space pp. 10, 37.  
 Denisov, V. - Borne by life p. 13.  
 Bryl', Ianka. - The Neman Crossings p. 14.  
 Kononenko, Veronika. - Son of the regiment p. 24.  
 From Mark Maksimov's partisan diary p. 26.  
 Military authors are guests of "Sovetskii voln." p. 28.  
 Solov'ev, A. - Climbing the Mamai Kurgan p. 29.  
 Uspenskii, Andrei Vladimirovich. - From fantasy into reality p. 34.  
 Koval'-Volkov, A. - With comrades in arms p. 41.  
 Nikolaev, Valentin Aleksandrovich. - Four "cornerstones" of a bronze medal winner p. 44.

Vol. 47, no. 6 (1026), Apr. 1965.

Table of contents translated:  
 Malinovskii, R. IA. - An unfading feat p. 2.  
 Kuvil'nov, G. - Soldiers of the forward edge p. 6.  
 Red'kin, Mark. - Four meetings p. 12.  
 Chistov, B. - Fourteen minutes of courage p. 17.  
 Ivonin, V. - At the beginning of the road p. 20.  
 Nefedov, A. - A capacious unit p. 26.  
 Shallov, V. - Assault of the Reichstag p. 37.  
 Iakovlev, A., Leonov, M., Svetlov, A. - On the labor firing line p. 40.  
 Kolev, Tsyvako. - Your holiday is our holiday p. 44.  
 Milaniuk, Roman. - Thank you, Soviet brothers p. 44.  
 Henze, Walter. - Your brought freedom p. 44.  
 Mikhailovskaya, N. - Performance in Berlin p. 46.

**VOENNYE ZNANIYA [MILITARY KNOWLEDGE].** Organ of Vsesoyuznoe dobrovol'noe obshchestvo sodel'stviya armii, aviatsei i flota [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 41, no. 3, Mar. 1965.

Table of contents translated  
 Getman, A. - Our patriotic duty p. 1.  
 Vernikovskii, M. - Pages and years p. 3.  
 Hard-working and patriotic women p. 5.  
 Krylov, N. I. - Troops of constant combat readiness p. 6.  
 Sharokhin, M. - Spring came to Hungary p. 8.  
 Danonov, O. - Torpedomen p. 12.  
 Nikolaev, V. - As an example to posterity p. 12.  
 Messtalev, F. - A woman worker at the "Arsenal" factory p. 14.  
 Isakov, G. - High organization for instruction p. 16.  
 Iur'ev, M. - At a post from her youth p. 18.  
 Ateksandrov, V. - A program studied completely p. 20.  
 Rusman, L. - Intense, interesting p. 22.  
 Sal'kova, A. - In the Tambov libraries p. 22.  
 Gusev, P., Rakitin, N. - Not a parade, but an inspection p. 24.  
 Skorukova, A. - Coordination was lacking p. 26.  
 Vishniakov, I., Voskoboinik, D. - With coordinated brigades p. 27.  
 Rybasov, V., Kruglyi, A., Mordvinova, R. - The hospital is protected... p. 28.  
 Sayev'ev, L. - Help to ladders p. 31.  
 Kosarev, I. - We are working according to plan p. 32.  
 Svarichevskii, A. - Day of the future soldier p. 32.  
 Zaimutlin, K. - At an Uzbek collective farm p. 34.  
 Orekhov, E. - A tank goes through water p. 34.  
 Goncharenko, M., Goncharenko, V. - Nature prompts... p. 36.  
 Sarychev, N. - School of young people p. 38.  
 Medvedeva, N. - Reaction speed p. 38.  
 Alekseev, B. - Viktor Petrov shoots p. 40.  
 Kamenskii, V., Zanchenko, A. - Real people p. 41.  
 Khokhlov, V. - This disturbs us p. 42.  
 Pechalin, A. - Not guests, but hosts p. 43.  
 Nazarov, E. - Aspiration p. 44.

Vol. 41, no. 5, May 1965.

Table of contents translated  
 Editorial: With the party at the head p. 1  
 Rodimtsev, A. - Through the years of battle p. 3  
 Key to Petsamo p. 5  
 Nikolaenko, I. - Feat in the Sevastopol mine galleries p. 5  
 Gorshkov, S. - Combat watch of Soviet sailors p. 6  
 Vakurov, I. - Twentieth anniversary p. 8  
 Stepanchuk, T. - Recommendation p. 9.  
 Malinin, G. - A weighty contribution to victory p. 10  
 Kharchenko, Ustinovich, Ivan. - ... and skill is obligatory! p. 10  
 Butanov, A. - For the native city p. 13.  
 Pozhidaev, I. - On the road of his father p. 14.  
 Lesnevskii, S. - Reliable shield of peace p. 16.  
 Krupskii, N. - Accuracy p. 17  
 Kornilushin, P. - The director p. 18  
 Inspections They have already begun p. 20  
 Popenko, F. - Almost a quarter of a century... p. 21  
 Serko, L. - Basis of the whole matter p. 22.  
 Kurepin, I. - Beyond the Arctic Circle p. 23  
 Sokol'skii, I. - Both training and checking p. 24  
 Orlov, N., Kuldryev, S. - So they went for the championship p. 26  
 Mikhailov, I. - The workers changed shifts p. 27  
 Tuzhilkin, M. - A plane conducts reconnaissance p. 27.  
 Kosukhin, S., Iakovitskii, A. - Tested and confirmed p. 28  
 Zlotkin, I. - Example of the brave and strong p. 30  
 Rozov, L. - Reach every collective p. 31.  
 Savet'ev, L. - Business accounting in action p. 32.  
 Nochevnyi, V. - This friendship should get stronger p. 33.  
 Reznitskii, A. - Combat traditions live p. 34  
 Latukhina, A. - Creators of weapons of victory p. 36.  
 Kulnitch, D. - A rocket flies p. 38  
 Arkad'ev, E. - The tank is fifty years old p. 38  
 Dubrovnik, K. - So that there may be more sports fans... p. 40  
 Chutitskii, V. - Feat of a shot, how does one fight with it? p. 40.  
 Bendasov, P., Shipilov, V. - The "Anschütz-54" rifle p. 41.  
 Aslezov, S. - Let our dream sail p. 42.  
 Demidov, F., Kamenskii, V. - A duty, high and noble p. 43  
 Konstantinov, L. - Command search p. 44  
 Silusarev, A. - Problems of underwater sports p. 45.  
 Shapagin, R. - Accessible to every club p. 45.  
 Luzhkov, F. - The Seventeenth All-Union Dog Show p. 47

Vol. 41, no. 6, June 1965.

Table of contents translated  
 Editorial: Sport of the millions p. 1.  
 Tolstikov, O. - Develop the tactics of formations p. 2.  
 Tsybul'skii, E. - In the first hours of the war p. 4.  
 Iur'ev, M. - Like one's own home p. 6.  
 Rumiantsev, Nikolai - Bastion of the Arctic p. 10.  
 Mutyaynov, S. - Decisiveness p. 12.  
 Shakhlov, I. - The writer put on his overcoat... p. 14.  
 Gorelik, IA. - A true fighter of the party p. 15.  
 Zakharov, S. - Roads to the ocean p. 16.  
 Starostin, S. - In great sailing p. 18.  
 Propaganda should be expanded p. 20.  
 Akopov, A. - The cause is its responsibility p. 20.  
 Domaretskii, M. - To the foremost people for experience p. 22.  
 Bralvo, K. - Not even three days passed p. 24.  
 Shipak, S. - It was demonstrated while checking p. 26.  
 Kashitayn, P. - ... although even ahead of schedule p. 26.  
 Zhilin, V. - When people are trained p. 27.  
 Trufanov, I. - Its own characteristics p. 28.  
 Morozov, V. - Practicing even on objects p. 28.  
 Popov, I. - Means of protection and hygiene p. 30.  
 Nedbalto, V. - Numerous and energetic activists p. 32.  
 Dokuchaev, N. - Possibilities and reality p. 32.  
 Nikol'skii, Nik. - An untiring veteran p. 35.  
 Grabovskii, P. - Navigation on dry land p. 36.  
 Aleksandrov, V., Zhelonkin, V. - Radiation, natural and artificial p. 37.  
 Krasota, P. - Radiological weapons p. 38.  
 Kreps, N. - The requirements increased p. 39.  
 Lobedev, M. - Club of Uzbek riflemen p. 40.  
 Poetnov, V. - Keep it that way, Mishal p. 41.  
 Melchinskii, O. - Train tempered young people p. 42.  
 Kuuz, A. - Meeting sea winds... p. 43.  
 Maksimov, V. - Invitation to initiative p. 44.  
 Surovskii, V. - First aid to a drowned man p. 44.

**VOENNYE VESTNIK [MILITARY REVIEW].** Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 45, no. 6, June 1965.

## b. NAVAL SCIENCE

**MORSKOI FLOT [THE MERCHANT MARINE].** Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 24, no. 9, Sep. 1961.

Table of contents translated  
 Improve the management of marine transportation p. 1  
 Nozdin, D. - People of the harsh Kamchatka p. 3  
 Gorinov, A. - The peace and friendship trip p. 4  
 Kleinman, A. - Outlook for the development of the shipping of packed export and import piece-good cargoes p. 6  
 Shemotluk, P. - Calculating and planning the costs of loading and unloading operations in ports p. 8  
 Kholod, N. - For economic efficiency of the work of the fleet p. 10.  
 Pokras, V. - Construction of motor loaders p. 10  
 Gorbatiy, M. - Use of mathematical methods in marine transportation research and practice p. 12.  
 Levechenko, E. - Cause of the failure of the ignition system of a donkey boiler p. 14.  
 Ivashkin, I. - Welding machines for ships p. 14.  
 Rudnik, S. - Supporting Captain N. Shakhbuddinov's proposals p. 14  
 Vol'ison, M. - Improving the work efficiency of mixed brigades in sea ports p. 16  
 Polozhinskiy, V. - Selecting the most efficient radio-directional systems p. 10  
 Lev, IU. - Method of navigating with the ship's course directed toward a radio station p. 16.  
 Iushchenko, A., Rybalovskii, N. - Preserve the five-digit navigation tables p. 18  
 Roznikov, A. - Passage to the roadstead of Tallinn p. 21.  
 Shustov, I., Shvarev, IU. - Maneuvering the ship while rescuing a person fallen overboard p. 21  
 Alekseenko, A. - Operating the power plant of the motorship "Vikhr" p. 24  
 Smirnov, V. - A new method of rigging coupled booms for work in the "telephone-type" arrangement p. 26  
 Fain, M. - Develop centers for the repair of ships without docking p. 28.  
 Captain Zakharov p. 30.  
 Grankov, L., Volkov, I. - Use of synthetic materials and plastics in ship repair p. 31.  
 Spitsin, N. - Extend the use of rubberizing materials in the building and repairing of ships p. 32  
 Selecting the most advantageous sailing routes with the aid of computers p. 33.  
 Lefunov, V., Gordeev, A. - Plus chemicalization of the country's national economy p. 34.  
 Turetskii, L. - Planning of shipments in marine transportation p. 36.  
 Sirel'tsov, I. - Creative thoughts of scientists and practical workers p. 40  
 Denisov, A. - The first teacher of the Russian seamen p. 42.  
 Eidel'man, D. - SOS in the wide expanses of seas and oceans p. 43.  
 Trubin, A. - Practices in the docking of ships p. 43.  
 Kulikov, P., Arbutov, N., Borisov, K. - Textbook for diesel engine operators and repairmen p. 45.

Vol. 25, no. 5, May 1965.  
 Table of contents translated:  
 The great exploit of Soviet people p. 1.  
 Vol'skii, S., Shcherbinskii, IA. - Merchant seamen of the Black Sea in the Great Patriotic War p. 3.  
 Usminskii, A. - In the name of life and peace on earth p. 6.  
 Alekseyev, A. - Heroic passages p. 10.  
 Bagerman, A., Khorolets, P. - A heroic and industrious city as a guard of peace and friendship p. 13.  
 Sivkov, K. - Let's give the green light to regular liner services p. 15.  
 Vinitskii, N. - What the first work results of the Caspian ferries show p. 17.  
 Fisher, E. - It is in the interests of production p. 19.  
 Sinurov, L. - Performance of the shore purification installations of the Ventpils oil terminal p. 20.  
 Baranov, IU., Gamov, A. - Determining the circulation of the vessel by photographing the radar screen p. 22.  
 Luchko, I., Golubeva, O. - Determining logging errors in the case of two receiving units p. 26.  
 Durlakov, S. - Do navigators need a magnetic compass correction record? p. 26.  
 Vaselko, A. - Some characteristics of anchorage in the roadstead of the port of Mogadishu p. 28.  
 Man, I. - Anchorage of the vessel by means of the main anchors and springs p. 28.  
 Udov, E. - Improve in every way possible the technical operation of vessels p. 30.  
 Popov, G. - Some problems in overall automation of the fleet p. 33.

- Iuditskii, F., Savin, S., Egorov, P. - Testing graphitic rings in the main engine of the motorship "Mar-shal Gokorov" p. 34
- Sietuchenko, V. - Norms for fitting clearances and permissible wear of the parts of internal combustion engines p. 35
- Miroshnichenko, I. - A fast dry-cargo ship of a new type p. 37
- Itomin, IU. - International regulation of the annual leave of seamen p. 39
- Beliakov, L. - World tonnage of chartered tankers. p. 42
- Medovikov, I., Dmitrenko, S. - A new port in the Gulf of Aden. p. 43
- Temichov, A. - Toward the sunny coasts of Italy p. 44
- Ermolacv, N. - Creative collaboration of scientists and practical workers. p. 45
- Kriman, I., Plotnikov, A. - Textbook on steam boilers. p. 46

# TECHNOI TRANSPORT (INLAND WATER TRANSPORTATION). Issued by Ministerstvo rechnogo flota (Ministry of the River Fleet). Moscow, vol. 24, no. 3, 1965.

- Table of contents translated
- Nazarov, M. - Raise the level of operational work in river transportation p. 1
- Conference of the administrative officials. p. 6
- Matvorskii, G. - For further qualitative improvement of transportation p. 9
- Make wider use of recent and progressive developments. p. 11
- Increase the role and responsibility of every worker in the system. p. 12
- Veselov, V. - First year of navigation on the Volga-Baltic Sea Waterway. p. 13
- Denisov, I. - Green light to the shipping of chemical cargoes. p. 14
- Makhovkin, N., Kuz'min, V., Zhirnov, IA. - Development of the shipping of round timber in the Volga-Kama basin. p. 16
- Polak, S., Shubin, V. - Some problems of business accounting and planning in the fleet of passenger ships. p. 18
- Zotova, V. - Tariffs for suburban and intracity transportation. p. 20
- Makhlakh, S. - Improve the accounting and control. p. 22
- Zin', E. - Economic foundations for organizing the transshipment of bulk cargoes. p. 24
- Kuz'min, L., Nekrasov, A. - Year-round operation of a port. p. 26
- Itenberg, I., Khabenskii, M. - Use of cranes at the landing places of small rivers. p. 27

- Dukor, Z. - Standard manufacturing costs. p. 29
- Khlebnikov, IU. - Work organization and the quality of ship repair. p. 31
- Plesovskikh, N. - Eight years without repair at a shipyard. p. 32
- Bogdanov, A., Efremov, G. - Combination-type river and seagoing craft. p. 33
- Mardenski, V. - Overall mechanization of fitting operations in ship repair. p. 34
- Kozov, A. - Marine gas turbine plants with free-piston gas producers p. 35
- Bezdenezhnykh, M. - The river engineers of the Ob' in the final year of the seven-year plan. p. 39
- Domanevskii, N. - Considering hydrological factors in the technical and economic substantiation of channel depth. p. 40
- Gossman, V. - Effect of the ice flow on the port structures of the lower Yenisey River. p. 43
- Bocharov, V. - Reconditioning the gates of hydraulic structures. p. 45
- Pukhov, P. - Performance of suction dredges with a sill-like mouth. p. 47
- Afanasev, V. - Landscaping and protection of the banks of the Volga-Baltic Sea Waterway through afforestation. p. 49
- Solarev, N. - How to use the manual on the inertial characteristics of ships and boat trains. p. 51
- Petrov, IU. - Optimum conditions for the movement of boats in shallow waters. p. 52
- Golubev, A. - Use of radar leading lines in river navigation p. 54
- Fillipov, G. - Sound signaling in the river fleet. p. 56
- Voloshin, M. - Regulation of approaches to the lower canal of the Ust'-Kamenogorsk lock. p. 57
- Titenko, A. - Potentialities for increasing the shipments of cargoes on the small rivers of the Ukraine. p. 58
- Glebov, A. - Business accounting within individual sections of the Southern Port of Moscow. p. 58
- Murovannyi, I. - Computation center of the ocean and river fleet in Moscow. p. 59
- Chernov, M. - A valuable textbook. p. 60

## Vol 24, no 4, 1965

- Table of contents translated
- Kuchkin, S. - Make maximum use of the possibilities of river transportation p. 1
- Carry out the decisions of the conference of the administrative officials p. 3
- Liakhov, K., Bagrov, L., Kheifets, M. - New trends in the "Regulations on the traffic schedule of the fleet" p. 5
- Irkhin, A., Mironov, V. - Improving the system of operative indices of the work of the fleet p. 8

- Smirnov, E. - Extend the overall mechanization of loading and unloading operations p. 9
- At the conference of the administrative officials. p. 12
- Make use of the potentialities of the fleet p. 15
- Plesovskikh, N. - Repair of the "Raketa" type ships at the Omsk Ship Repairing Yard p. 33
- Khukhin, M. - Reconstruction of the ship of the "40th Anniversary of the October" Shipyard p. 34
- Kolokolnikov, K. - Reporting from the Gorodets Ship Repairing Yard p. 36
- Ivanitskii, V. - Volga has become a safe and deep waterway. p. 39
- Kazakov, A. - Determining the planned level of navigable rivers in the unsteady regimen zone of the tail waters of hydroelectric power stations. p. 41
- Shmagin, N. - Extending the navigation period in the Ob' and Taz Bays. p. 44
- Bren, L. - Improve the navigation conditions on the Belaya River p. 45
- Onipchenko, G. - Effect of the speed of the motion of Bakhtin, N. - Work in coordination with the railroads p. 17
- Dubrovni, M., Mikhailov, V. - Comprehensive economic evaluation of the transportation of coal for power production p. 18
- Kiselev, V., Bernatskii, A., Tochilin, P. - Transportation of round timber in bundles. p. 20
- Poteev, A. - Use of hydraulic machinery in the river port of Khabarovsk. p. 22
- Zin', E. - Determining the number of cranes servicing the warehouses. p. 23
- Iarosh, O. - Improve the establishing of work norms. p. 26
- Belianin, S. - Current problems in organizing technical shore service for ships p. 29
- Dubovoi, A. - Technical maintenance of the diesel-electric ship "Belorussia" p. 31
- passing ships on the anchorage conditions at the quayage of the lock p. 47
- Sorokin, N., Titnev, S. - Accidentless performance of the fleet p. 49
- Neigol'dberg, V. - Workers of the river fleet during the years of harsh trials p. 51
- Pliss, IA., Makhnin, S. - Automatic condensate discharge. p. 54
- Zagorodskii, I. - Increasing the effectiveness of the deepening of a rocky river bed p. 55
- In the Board of the Ministry of the River Fleet p. 56
- IAnkevich, B. - New vessels and new worries. p. 57
- Iashchenko, L. - Our practices in organizing large-scale passenger transportation p. 58
- Zhivilova, L. - Shipments of chemical cargoes in the river transportation of the United States p. 59
- Kulazev, S. - Aluminum rivercraft p. 60

# PART C

## List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agrokhimia (15a)	Agrokhimia [Agrochemistry]	Bog. trudy (3b)	Orthodox Eastern Church, Russian, Patriarch, Bogoslovskie trudy [Theological works]
Aktinometr. ezhem. (13f)	Aktinometricheskii ezhemesiachnik [Actinometric Monthly]	Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]
Akush. i gln. (14b)	Akusherstvo i ginekologiya [Obstetrics and Gynecology]	Bukhg. uchët (5a)	Bukhgalterskii uchët [Accounting]
Alg. i log. (13e)	Akademii nauk SSSR. Sibirskoe otdeleniye. Seminar algebrы i logiki. Algebra i logika [Academy of Sciences of the U. S. S. R., Siberian Department, Seminar of Algebra and Logic, Algebra and Logic]	Bum. prom. (16f)	Bumazhnaya promyshlennost' [Paper Industry]
Anat. prich. avar. i povr. stroi. kon. (16d)	† Moscow. Tsentral'nyi nauchno-issledovatel'skii institut stroitel'nykh konstruktov. Analiz prichin avarii i povrezhdenii stroitel'nykh konstruktov [Central Scientific Research Institute of Construction Design. Analysis of the Causes of Failure and Damage in Building Structures]	Burenie (16b)	† Burenie [Drilling]
Antibiotiki (14f)	Antibiotiki [Antibiotics]	Der. prom. (16f)	Derevoprabatyvayushchiya promyshlennost' [Woodworking Industry]
Arkh. anat., gist. i embr. (13c)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]	Dif. urav. (13e)	† Differentsial'nye uravneniya [Differential Equations]
Arkh. pat. (14b)	Arkhiv patologii [Archives of Pathology]	Dokl. AN Arm. SSR (13a)	Akademii nauk Armianskoi SSR, Eriyan. Doklady [Academy of Sciences of the Armenian S. S. R. Reports]
Arkh. it. nas. (10b)	Arkhitekturnoe nasledstvo [Architectural Heritage]	Dokl. AN Azerb. SSR (13a)	Akademii nauk Azerbaidzhaniskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S. S. R. Reports]
Astron. zhur. (13h)	Astronomicheskii zhurnal [Journal of Astronomy]	Dokl. AN BSSR (13a)	Akademii nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S. S. R. Reports]
Av. i kosm. (16b)	Aviatsiya i kosmonavtika [Aviation and Astronautics]	Dokl. AN SSSR (13a)	Akademii nauk SSSR. Doklady [Academy of Sciences of the U. S. S. R. Reports]
Avi. dor. (16d)	Avtomobil'nye dorogi [Highways]	Dokl. Akad. sel'khoz. (15a)	Vsesoluznaya akademiya sel'skokhozyaistvennykh nauk im. I. V. Lenina. Doklady [All-Union Lenin Academy of Agricultural Sciences. Reports]
Avi. prom. (16g)	Avtomobil'naya promyshlennost' [Automobile Industry]	Doshk. vosp. (8a)	Doshkol'noe vospitanie [Preschool Education]
Avi. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]	Dop. AN URSSR (13a)	Akademii nauk URSSR, Kiev. Dopovidy [Academy of Sciences of the Ukrainian S. S. R. Reports]
Avtom. i telem. i svyaz' (16c)	Avtomatika, telemekhanika i svyaz' [Automatic Control, Remote Control, and Communications]	Ekonom. i mat. metod. (6b)	† Ekonomika i matematicheskie metody [Economics and Mathematical Methods]
Az. i Afr. seg. (1b)	Azina i Afrika segodnya [Asia and Africa Today]	Ekonom. Rad. Ukr. (6b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
Azerb. khim. zhur. (13d)	Azerbaidzhaniskii khimicheskii zhurnal [Azerbaijan Chemical Journal]	Ekonom. sel'khoz. (5b)	Ekonomika sel'skogo khozyaistva [Economics of Agriculture]
Azerb. med. zhur. (14a)	Azerbaidzhan. tibb. zhurnaly. Azerbaidzhaniskii meditsinskii zhurnal [Azerbaijan Medical Journal]	Ekonom. stroi. (6b)	Ekonomika stroitel'stva [Economics of Construction]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie [Bulletin of Foreign Commercial Information, Supplement]	Elek. i topl. tizaga (16g)	Elektricheskaya i toplivozrabsaya tizaga [Electric and Diesel Locomotive Traction]
Bet. i zhel. bet. (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]	Elektrichestvo (16e)	Elektrichestvo [Electricity]
Bezop. truda v prom. (16a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	Elektro-khimia (13d)	† Elektrokhimia [Electrochemistry]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]	Elektrosvyaz' (16e)	Elektrosvyaz' [Telecommunication]
Bibliotekoved. i knizh. (2b)	Bibliotekovedenie i bibliografiya; ukazatel' literatury [Library Science and Bibliography, an Index to the Literature]	Elektrotekhnika (16e)	Elektrotekhnika [Electrical Engineering]
Biofizika (13c)	Biofizika [Biophysics]	Energ. i elektro-tekhn. prom. (16a)	Energetika i elektrotekhnicheskaya promyshlennost' [Power Engineering and the Electric Equipment Industry]
Biul. eksp. biol. i med. (14a)	Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]	Energokhoz. za rub. (16a)	Energokhozyaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries, Supplement to the Periodical "Electric Power Stations"]
Biul. Glav. bot. sada (13c)	Moscow. Glavnyi botanicheskii sad, Biulleten' [Main Botanical Garden, Bulletin]	Farmatsev. zhur. (14f)	Farmatsevticheskii zhurnal [Pharmaceutical Journal]
Biul. MOIP. Otd. biol. (13c)	Moskovskoe obshchestvo isspytatelei prirody, Biulleten'. Otdel biologicheskii [Moscow Naturalists' Society, Bulletin, Biological Section]	Ferm. i spirt. prom. (16c)	Fermentnaya i spirtovaya promyshlennost' [Fermentation and Distilling Industry]
Biul. MOIP. Otd. geol. (12c)	Moskovskoe obshchestvo isspytatelei prirody, Biulleten'. Otdel geologicheskii [Moscow Naturalists' Society, Bulletin, Geological Section]	Fin. SSSR (6c)	Finansy SSSR [Finance of the U. S. S. R.]
Biul. mezhdunar. nauch. s"ezd., konf. i kongr. (1a)	Biulleten' mezhdunarodnykh nauchnykh s"ezdov, konferentsii i kongressov [Bulletin of International Scientific Meetings, Conferences, and Congresses]	Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallurgy]
Biul. Min. vys. i sred. spets. obr. SSSR (8a)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Biulleten' [Ministry of Higher and Secondary Specialized Education, Bulletin]	Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Biul. VIR (15d)	† Leningrad. Vsesoluznyi institut rastenievodstva. Biulleten' [All-Union Institute of Plant Culture, Bulletin]	Fiziol. zhur. (13c)	Fiziologicheskii zhurnal SSSR [Physiological Journal of the U. S. S. R.]
Biul. Verkh. Suda (7)	Russia (1923- U. S. S. R.) Verkhovnyi Sud. Biulleten' [Supreme Court, Bulletin]	Fiziol. zhur. [Ukr.] (13c)	Fiziologicheskii zhurnal [Physiological Journal]

Gaz. prom. (16c)	Gazovaya promyshlennost' [Gas Industry]	Izv. AN Kazakh. SSR. Ser. geol. (12c)	Akademiya nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya geologicheskaya [Academy of Sciences of the Kazakh S.S.R. Bulletin. Geological Series]
Gellio- tehnika (16a)	Gelliotekhnika [Solar Energy Engineering]	Izv. AN Mold. SSR (1a)	Akademiya nauk Moldavskoi SSR. Izvestiya [Academy of Sciences of the Moldavian S.S.R. Bulletin]
Geog. sbor. L'vov. otd. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR, L'vovskii otdel. Geograficheskii sbornik [Geographical Society of the U.S.S.R. Lvov Branch. Geographical Papers]	Izv. AN SSSR. Fiz. atm. i okeana (13f)	Akademiya nauk SSSR. Izvestiya. Fizika atmosfery i okeana [Academy of Sciences of the U.S.S.R. Bulletin. Atmospheric and Oceanic Physics]
Geomag. i aer. (13f)	Geomagnetizm i aeronomiya [Geomagnetism and Aeronomy]	Izv. AN SSSR. Fiz. zem. (13f)	Akademiya nauk SSSR. Izvestiya. Fizika zemli [Academy of Sciences of the U.S.S.R. Bulletin. Physics of the Earth]
Geotektonika (12c)	Geotektonika [Geotectonics]	Izv. AN SSSR Mekh (13f)	Akademiya nauk SSSR. Izvestiya. Mekhanika [Academy of Sciences of the U.S.S.R. Bulletin. Mechanics]
Gidr. i mel (15a)	Gidrotekhnika i melioratsiya [Hydraulic Engineering and Reclamation]	Izv. AN SSSR Met. (16b)	Akademiya nauk SSSR. Izvestiya. Metallurgiya [Academy of Sciences of the U.S.S.R. Bulletin. Metallurgy]
Gidrobiol. zhur. (13c)	Gidrobiologicheskii zhurnal [Hydrobiological Journal]	Izv. AN SSSR. Neorg. mat. (13d)	Akademiya nauk SSSR. Izvestiya. Neorganicheskie materialy [Academy of Sciences of the U.S.S.R. Bulletin. Inorganic Materials]
Gidroliz. i lesokhim. prom. (16c)	Gidroliznaya i lesokhimicheskaya promyshlennost' [Hydrolysis and Wood Chemistry Industry]	Izv. AN SSSR. Ser. biol. (13c)	Akademiya nauk SSSR. Izvestiya. Seriya biologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Biological Series]
Gor. zhur. (16h)	Gornyi zhurnal [Mining Journal]	Izv. AN SSSR. Ser. fiz. (13f)	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]
Grazhd. av. (16b)	Grazhdanskaya aviatsiya [Civil Aviation]	Izv. AN SSSR. Ser. khim. (13d)	Akademiya nauk SSSR. Izvestiya. Seriya khimicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Chemical Series]
IAd fiz. (13f)	IAdernaya fizika. Journal of Nuclear Physics.	Izv. AN SSSR, Ser. lit. i yaz. (11b)	Akademiya nauk SSSR. Izvestiya. Seriya literaturny i yazyka [Academy of Sciences of the U.S.S.R. Bulletin. Series in Literature and Language]
IAd prib. (16e)	IAdernoe priborostroenie [Nuclear Instrument Manufacture]	Izv. AN SSSR, Ser. mat. (13e)	Akademiya nauk SSSR. Izvestiya. Seriya matematicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]
Infek. zab. kul't. rast. Mold. (15d)	Infektsionnye zabolovaniya kul'turnykh rastenii i zhivotnykh [Infectious Diseases of the Plant and Animal Kingdom of Moldavia]	Izv. AN Turk. SSR Ser. biol. nauk (13c)	Akademiya nauk Turkmen'skoi SSR, Ashkhabad. Izvestiya. Seriya biologicheskikh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Biological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2. (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi buleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 2. Biologicheskie nauki, sel'skoe i lesnoe khozaystvo, sel'skokhozyaistvennyye i lesokhozyaistvennyye nauki, zdravookhraneniye, meditsinskaya nauka [Public Library, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2. Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]	Izv. APN (8a)	Akademiya pedagogicheskikh nauk RSFSR, Moscow. Izvestiya [Academy of Pedagogical Sciences of the R.S.F.S.R. Bulletin]
Inform. biul. Sov. antark. eksp. (1a)	Sovetskaya antarktikicheskaya ekspeditsiya, 1955-1958. Informatsionnyi buleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]	Izv. Chech. - Ing. nauch. - issl. inst. (1a)	Grozny. Checheno-Ingushskii nauchno-issledovatel'skii institut. Izvestiya [Chechen-Ingush Research Institute. Bulletin]
Inform. biul. VDNKH (16a)	Moscow. Vystavka dostizhenii narodnogo khozaystva SSSR. Informatsionnyi buleten' [Exhibition of Achievements of the National Economy of the U.S.S.R. Information Bulletin]	Izv. Kom. po fiz. plan. (13b)	Akademiya nauk SSSR. Komissiya po fizike planet. Izvestiya [Academy of Sciences of the U.S.S.R. Committee on the Physics of Planets. Bulletin]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]	Izv. Komi fil. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR, Komi filial. Izvestiya [Geographical Society of the U.S.S.R. Komi Branch. Bulletin]
Inzh. -fiz. zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]	Izv. TSKHA (15a)	Moscow. Moskovskaya sel'skokhozyaistvennaya akademiya im. Timiriazeva. Izvestiya [Timiriyazev Agricultural Academy of Moscow. Bulletin]
Ist. SSSR (4a)	Istoriya SSSR [History of the U.S.S.R.]	Izv. Vses. geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Izvestiya [Geographic Society of the U.S.S.R. Bulletin]
Izm. tekhn. (16a)	Izmeritel'naya tekhnika [Measurement Techniques]	Izv. vys. ucheb. zav., av. tekhn. (16b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; aviatsionnaya tekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Aviation Engineering]
Izv. AN Arm. SSR. Biol. nauki (13c)	Akademiya nauk Armianskoi SSR, Erivan. Izvestiya. Biologicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Biological Sciences]	Izv. vys. ucheb. zav., chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv. AN Arm. SSR. Khim. nauki (13d)	Akademiya nauk Armianskoi SSR, Erivan. Izvestiya. Khimicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Chemical Sciences]	Izv. vys. ucheb. zav.; elektromekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
Izv. AN Arm. SSR. Nauki o zem. (12c)	Akademiya nauk Armianskoi SSR, Erivan. Izvestiya. Nauki o zemle [Academy of Sciences of the Armenian S.S.R. Bulletin. Earth Sciences]	Izv. vys. ucheb. zav.; geod. i aerofot. (13b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; geodeziya i aerofotogrammetriya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]
Izv. AN Arm. SSR. Obshchestv. nauki (1a)	Akademiya nauk Armianskoi SSR, Erivan. Izvestiya. Obshchestvennyye nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Social Sciences]	Izv. vys. ucheb. zav.; geol. i razved. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; geologiya i razvedka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geology and Prospecting]
Izv. AN Azerb. SSR. Ser. biol. nauk (13c)	Akademiya nauk Azerbaidzhan'skoi SSR, Baku. Izvestiya. Seriya biologicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Biological Sciences]		
Izv. AN Kazakh. SSR. Ser. biol. nauk (13c)	Akademiya nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya biologicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in the Biological Sciences]		
Izv. AN Kazakh. SSR. Ser. fiz.- mat. nauk (13f)	Akademiya nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in the Physico-mathematical Sciences]		

Izv. vys. ucheb. zav., gor. zhur. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, gornyi zhurnal [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Mining Journal]	Krat. soob. Inst. nar. Az. (4a)	Akademii nauk SSSR, Institut narodov Azii. Kratkie soobshcheniia [Academy of Sciences of the U.S.S.R. Institute of the Peoples of Asia. Brief reports]
Izv. vys. ucheb. zav.; khim. i khim. tekhn. (13d)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimika i khimicheskaiia tekhnologiia [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Chemistry and Chemical Technology]	Kryl. rod (16b)	Kryl'ia rodiny [Wings of the Motherland]
Izv. vys. ucheb. zav., mashino- str. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, mashinostroenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Machine Building]	Kuz., shtam. proizv. (16g)	Kuznechno-shtampovoechnoe proizvodstvo [Forging and Stamping]
Izv. vys. ucheb. zav., mat. (13e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, matematika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Mathematics]	Let. izobr. isk. (10a)	Letopis' izobrazitel'nogo iskusstva [Chronicle of Fine Arts]
Izv. vys. ucheb. zav.; nefi' i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, nefi' i gaz [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Petroleum and Gas]	Let. muz. lit. (9b)	Letopis' muzykal'noi literatury [Chronicle of Musical Literature]
Izv. vys. ucheb. zav.; pishch. tekhn. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Food Technology]	Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Izv. vys. ucheb. zav.; prib. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, priborostroenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Instrument Manufacture]	Lit. proizv. (16h)	Litnoe proizvodstvo [Foundry Practice]
Izv. vys. ucheb. zav.; radiotekh. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Radio Engineering]	Mag. gidr. (13f)	Magnitnaia gidrodinamika [Magnetohydrodynamics]
Izv. vys. ucheb. zav.; tekhn. leg. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiia legkoj promyshlennosti [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Technology of Light Industry]	Mash. i nefi. obr. (16h)	Mashiny i nefiannoe oborudovanie [Machinery and Petroleum Equipment]
Izv. vys. ucheb. zav., tekhn. tekst. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]	Mashinostroiitel' (16g)	Mashinostroiitel' [Machine Builder]
Kauch. i rez. (16c)	Kauchuk i rezina [Rubber and Vulcanized Rubber]	Mashinovedenie (16g)	Mashinovedenie [Mechanical Engineering]
Khar. prom. (16f)	Kharchova promyslovost' [Food Industry]	Maslozhir. prom. (16c)	Maslozhirovaia promyshlennost' [Oils and Fats Industry]
Khim. i tekhn. polim. (16c)	Khimika i tekhnologiia polimerov, sbornik perevodov i obzorov iz inostranoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations and Surveys from Foreign Periodical Literature]	Mat. po met. konstr. (10d)	Moscow, Gosudarstvennyi institut po proektirovaniu, issledovaniu i ispytaniu stal'nykh konstruktsii i mostov. Materialy po metallicheskim konstruktsiiam [State Institute for the Design, Study and Testing of Steel Structures and Bridges. Materials on Metallic Structures]
Khim. inform. (13d)	Khimicheskaiia informatsiia; sistematiicheski ukazatel' statei v inostrannykh zhurnalakh [Chemical Information; Classified Index of Articles in Foreign Periodicals]	Mat. sbor. (13a)	Matematicheskii sbornik [Mathematical Review]
Khim. v sel' khoz. (16a)	Khimika v sel'skom khoziaistvo [Chemistry in Agriculture]	Med. rad. (14a)	Meditsinskaiia radiologiia [Medical Radiology]
Khirurgiia (14h)	Khirurgiia [Surgery]	Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Khleb. i kond. prom. (16f)	Khlebopekarnaiia i konditerskaiia promyshlennost' [Baking and Confectionery Industry]	Met. i gornorud. prom. (16h)	Metallurgicheskaiia i gornorudnaia promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries]
Khol. tekhn. (16c)	Kholodil'naiia tekhnika [Refrigeration Engineering]	Metallurg (16h)	Metallurg [Metallurgist]
Kibernetika (13e)	Kibernetika [Cybernetics]	Meteor. i gidrol. (13f)	Meteorologiia i gidrologiia [Meteorology and Hydrology]
Knizh. let. (2a)	Knizhnaiia letopis' [Book Chronicle]	Mezhdunar. zhizn' (6)	Mezhdunarodnaia zhizn' [International Life]
Koks i khim. (16c)	Koks i khimika [Coke and Chemistry]	Mias. ind. SSSR (16f)	Miasnaia industriia SSSR [Meat Industry of the U.S.S.R.]
Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]	Mikrobiol. zhur. (13c)	Mikrobiologichnyi zhurnal [Journal of Microbiology]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]	Min sbor. (12c)	Mineralogicheskii sbornik [Mineralogical Review]
Kommunist (6)	Kommunist [Communist]	Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
Kons. i ov. prom. (16c)	Konservnaia i ovoshchesushil'naiia promyshlennost' [The Canning and Dehydrated Vegetable Industry]	Mod. sezona (16f)	Modeli sezona [Season's Fashions]
Krat. soob. Inst. arkheol. (4b)	Akademii nauk SSSR Institut arkheologii, Kratkie soobshcheniia o dokladakh i polevykh issledovaniakh [Academy of Sciences of the U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]	Mor. flot (17b)	Morskoi flot [The Merchant Marine]
		Muk. - oley. prom. (16f)	Mukomol'no-olevatornaia promyshlennost' [Flour Milling and Grain Storage]
		NTO (16a)	Vsesoiuznyi soviet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies, Scientific Technological Societies of the U.S.S.R.]
		Nach. shkola (8a)	Nachal'naiia shkola [Primary School]
		Nar. khoz. Kazakh. (5b)	Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]
		Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]
		Nauch. dokl. vys. shkoly; biol. nauki (13c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, biologicheskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools; Biological Sciences]
		Nauch. dokl. vys. shkoly; ekon. nauki (5b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools; Economics]
		Nauch. dokl. vys. shkoly; filoz. nauki (3a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools; Philosophical Sciences]



Nauch. soob. Inst. fiziol. AN SSSR (13c)	Akademiya nauk SSSR. Institut fiziologii. Nauchnoe soobshcheniye [Academy of Sciences of the U.S.S.R. Institute of Physiology Scientific Reports]	Porosh. met. (16h)	Poroshkovaya metallurgiya [Powder Metallurgy]
Nauch. soob. VostNI (16h)	Kemerovo. Vostochnyy nauchno-issledovatel'skii institut po bezopasnosti rabot v gornoi promyshlennosti. Nauchnye soobshcheniya [Eastern Scientific Research Institute for Mine Safety. Scientific Reports]	Pozh. bezop. (16d)	Pozharnaya bezopasnost' [Fire Safety]
Nauch. trudy AKKH (16d)	Akademiya kommunal'nogo khoziaistva. Nauchnye trudy [Academy of Communal Economy. Studies]	Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]
Nauch. trudy AKKH Vod (16d)	Akademiya kommunal'nogo khoziaistva. Nauchnye trudy [Academy of Communal Economy. Studies]	Pril. biokhim. i mikrobiol. (13c)	Priladnaya biokhimiya i mikrobiologiya [Applied Biochemistry and Microbiology]
Nauch. trudy TashGU. Fiz. nauki (13f)	Tashkent. Universitet. Nauchnye trudy. Fizicheskie nauki [University. Studies. Physical Sciences]	Pril. mekh. (16g)	Priladnaya mekhanika [Applied Mechanics]
Nauch. trudy TashGU. Geog. nauki (12b)	Tashkent. Universitet. Nauchnye trudy. Geograficheskie nauki [University. Studies. Geographical Sciences]	Priroda (13a)	Priroda [Nature]
Nauch. trudy TashGU. Geol. nauki (12c)	Tashkent. Universitet. Nauchnye trudy. Geologicheskie nauki [University. Studies. Geological Sciences]	Probl. Arkt. i Antarkt. (12b)	Problemy Arktiki i Antarktiki [Problems of the Arctic and the Antarctic]
Neftegaz. geol. i geofiz. (16h)	Neftegazovaya geologiya i geofizika [Petroleum and Gas Geology and Geophysics]	Probl. endok. i gorm. (14a)	Problemy endokrinologii i gormonoterapii [Problems of Endocrinology and Hormone Therapy]
Neftekhimiya (16c)	Neftekhimiya [Petrochemistry]	Prof. -tekh. obr. (16a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
Nefteper. i neftekhim. (16h)	Neftepererabotka i neftekhimiya [Petroleum Refining and Petroleum Chemistry]	Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]
Nefteprom. i neftekhim. (16h)	Neftepererabotka i neftekhimiya [Petroleum Refining and Petroleum Chemistry]	Prom. stroit. i inzh. soor. (16d)	Promyshlennoe stroitel'stvo i inzhenernye sooruzheniya [Industrial Construction and Engineering Structures]
Neftianik (16h)	Neftianik [The Petroleum Worker]	Put' i putev. khoz. (16d)	Put' i putevye khoziaistvo [Railroad Tracks and Roadway Maintenance]
Nov. knigi, ezhened inform. - bibl. zhur. (2a)	Novye knigi, ezhenedel'nyi informatsionno-bibliograficheskii zhurnal [New Books. Bibliographical Information Weekly]	Rad. lit. (11b)	Radians'ke literaturoznaystvo [Soviet Literary Review]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Seriya A: Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizicheskaya geografiya [New Foreign books. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]	Rad. pravo (7)	Radians'ke pravo [Soviet Law]
Nov. knigi za rub. Ser. B (16a)	Novye knigi za rubezhom. Seriya B: Tekhnika [New Foreign Books. Series B: Technology]	Rad. shk. (8a)	Radians'ka shkola [Soviet School]
Nov. knigi za rub. Ser. V (2a)	Novye knigi za rubezhom. Seriya V: Biologiya, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]	Radio (16e)	Radio
Nov. lit. po Belg. (2a)	Novaya literatura po Bolgarii [New Literature on Bulgaria]	Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]
Nov. mir (11b)	Novyi mir [The New World]	Razved. geofiz. (16h)	Razvedochnaya geofizika [Prospecting Geophysics]
Nov. sov. lit. o nauke i nauch.-issl. rab. v SSSR (2a)	Novaya sovetskaya literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U.S.S.R.]	Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]
Nov. sov. lit. po filos. (3a)	Novaya sovetskaya literatura po filosofii [New Soviet Literature on Philosophy]	Ref. sbor. : Ekon. prom. (5b)	Referativnyi sbornik. Ekonomika promyshlennosti [Journal of Abstracts of Industry]
Nov. tekhn. zhil. - kom. khoz. . Blagoustr. gor. (16d)	Novaya tekhnika zhilishchno-kommunal'nogo khoziaistva: Blagoustroystvo gorodov [New Technology for Housing and Communal Services: Municipal Services]	Ref. zhur. : Astron. (13b)	Referativnyi zhurnal: Astronomiya (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]
Nov. vrem. (6)	Novoe vremya [New Times]	Ref. zhur. : Av. i raket. dvig. (16b)	Referativnyi zhurnal: Aviatsonnyye i raketnyye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]
O publits. i publits. (11b)	Ob publitsistike i publitsistakh [Publicism and publicists]	Ref. zhur. : Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Obog. rud (16h)	Obogashchenie rud [Ore Dressing]	Ref. zhur. : Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ogneupory (16h)	Ogneupory [Refractories]	Ref. zhur. : Avtom. telem. i vych. tekhn. (16e)	Referativnyi zhurnal. Avtomatika, telemekhanika i vychislitel'naya tekhnika [Journal of Abstracts. Automatic Control, Remote Control, and Computer Technology]
Oktabr' (11b)	Oktabr' [October]	Ref. zhur. : Biol. (13c)	Referativnyi zhurnal: Biologiya [Journal of Abstracts: Biology]
Opt. i spektr. (13f)	Optika i spektroskopiya [Optics and Spectroscopy]	Ref. zhur. : Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primeneniye [Journal of Abstracts: Electronics and its applications]
Ortop. , travm. i protez. (14h)	Ortopediya, travmatologiya i protezirovaniye [Orthopedics, Traumatology, and Prosthesis]	Ref. zhur. : Elek. i energ. (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]
Part. zhizn' (6)	Partinaya zhizn' [Party Life]	Ref. zhur. : Farm. i toks. (14f)	Referativnyi zhurnal: Farmakologiya, toksikologiya (Otdel'nyi vypusk 64) [Journal of Abstracts: Pharmacology, Toxicology (Separate Issue 64)]
Pat. fiziol. i eksp. terap. (14e)	Patologicheskaya fiziologiya i eksperimental'naya terapiya [Pathological Physiology and Experimental Therapy]	Ref. zhur. : Fotokinetekh. (16g)	Referativnyi zhurnal: Fotokinetekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Per. zvezdy (13b)	Peremennye zvezdy [Variable Stars]	Ref. zhur. : Good. (13b)	Referativnyi zhurnal: Geodeziya (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
Peshchery (12b)	Peshchery [Caves]	Ref. zhur. : Geog. (12b)	Referativnyi zhurnal: Geografiya [Journal of Abstracts: Geography]
Pochvovedenie (15a)	Pochvovedenie [Soil Science]	Ref. zhur. : Geol. (12c)	Referativnyi zhurnal: Geologiya [Journal of Abstracts: Geology]
Polligrafiya (2c)	Polligrafiya [Printing]	Ref. zhur. : Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]
		Ref. zhur. : Gor. mash. (16h)	Referativnyi zhurnal: Gornye mashiny (Otdel'nyi vypusk 43) [Journal of Abstracts: Mining Machinery (Separate Issue 43)]

Ref. zhur. : Iad. reak. (16e)	Referativnyi zhurnal. Iadernye reaktory (Oldel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]	Ref. zhur. : Vzal models. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal. Vzematel'stvo raznykh vidov transporta i konteynernye perevozki (Oldel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur. : Issl. kosm. prostr. (13b)	Referativnyi zhurnal. Issledovanie kosmicheskogo prostranstva (Oldel'nyi vypusk 62) [Journal of Abstracts: Space Research (Separate Issue 62)]	Ref. zhur. : Zhel. dor. transp. (16g)	Referativnyi zhurnal. Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Ref. zhur. : Khim. (13d)	Referativnyi zhurnal. Khimiia [Journal of Abstracts: Chemistry]	Ref. zhur. : Zhiv. Vet. (15b)	Referativnyi zhurnal. Zhivotnovodstvo, Veterinaria (Oldel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry, Veterinary Medicine (Separate Issue 58)]
Ref. zhur. : Kib. (13a)	Referativnyi zhurnal. Kibernetika [Journal of Abstracts: Cybernetics]	Ryb. khoz. (15b)	Rybnoe khozaistvo [Fisheries]
Ref. zhur. : Komm. , byt. i torg. obor. (16g)	Referativnyi zhurnal. Kommunal'noe, bytovoe i torgovoe oborudovanie (Oldel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]	Sakh. prom. (18c)	Sakharnaya promyshlennost' [Sugar Industry]
Ref. zhur. : Kollostr. (16g)	Referativnyi zhurnal. Koltostroyenie (Oldel'nyi vypusk 42) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]	Sbor. nauch. - issl. rab. VNIILMI (15c)	Vsesoiuznyi nauchno-issledovatel'skii institut agrol'so-melioratsii. Sbornik nauchno-issledovatel'skikh rabot [All-Union Scientific Research Institute of Land Improvement Through Afforestation Research Papers]
Ref. zhur. : Leg. prom. (16f)	Referativnyi zhurnal. Legkaya promyshlennost' [Journal of Abstracts: Light Industry]	Sbor. nauch. rab. AKKH (18d)	Akademiiia kommunalnogo khozaistva. Sbornik nauchnykh rabot [Academy of Communal Economy. Papers]
Ref. zhur. : Lesovod. i lesovod. (15c)	Referativnyi zhurnal. Lesovodeniie i lesovodstvo (Oldel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]	Sbor. nauch. rab. asp. Soiuz NIKHI (15d)	Tashkent. Vsesoiuznyi nauchno-issledovatel'skii institut khlopkovodstva. Sbornik nauchnykh rabot aspirantov [All-Union Scientific Research Institute of Cotton Growing. Graduate Student Papers]
Ref. zhur. : Mashinostroi. mat., konstr. i rasch. del. mash. Gidr. (16g)	Referativnyi zhurnal. Mashinostroitel'nye materialy, konstruktii i raschet detaiei mashin. Gidropriivod (Oldel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts Hydraulic Drive (Separate Issue 48)]	Sbor. nauch. trud. EINII (16e)	Novocherkassk. Nauchno-issledovatel'skii institut elektrovoozostroyeniia. Sbornik nauchnykh trudov [Scientific Research Institute of Electric Locomotive Design and Construction. Papers]
Ref. zhur. : Med. geog. (14a)	Referativnyi zhurnal. Meditsinskaya geografiia (Oldel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]	Sbor. nauch. trud. Inst. metallofiz. AN URSS (16h)	Akademiiia nauk URSS. Kiev. Institut metallofizyky. Sbornik nauchnykh trudov [Academy of Sciences of the Ukrainian S.S.R. Institute of the Physics of Metals Papers]
Ref. zhur. : Mekh. (13f)	Referativnyi zhurnal. Mekhanika [Journal of Abstracts: Mechanics]	Sbor. nauch. trud. Ivan. sel'khoz. inst. (15a)	Ivano. Sel'skokhoziaistvennyi institut. Sbornik nauchnykh trudov [Agricultural Institute. Papers]
Ref. zhur. : Met. (16h)	Referativnyi zhurnal. Metallurgiiia [Journal of Abstracts: Metallurgy]	Sbor. nauch. po les. khoz. (15c)	Pushkino. Vsesoiuznyi nauchno-issledovatel'skii institut lesovodstva i mekhanizatsii lesnogo khozaistva. Sbornik rabot po lesnomu khoziaistvu [All-Union Scientific Research Institute of Forestry and the Mechanization of Forest Management. Papers on Forestry]
Ref. zhur. : Metr. i izm. tekhn. (16a)	Referativnyi zhurnal. Metrologiia i izmeritel'naya tekhnika (Oldel'nyi vypusk 32) [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]	Sbor. stud. rab. VMI (15b)	Molochnoye (Vologodskaya oblast') Vologodskii molochnyi institut. Sbornik studenteskikh rabot [Vologda Dairy Institute. Student Papers]
Ref. zhur. : Ob. vop. pat. Onk. (14c)	Referativnyi zhurnal. Obshchie voprosy patologii. Onkologiiia (Oldel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]	Sbor. trud. VNIINSM (16d)	Vsesoiuznyi nauchno-issledovatel'skii institut novykh stroitel'nykh materialov. Sbornik trudov [All-Union Scientific Research Institute of New Building Materials. Papers]
Ref. zhur. : Pochv. (15a)	Referativnyi zhurnal. Pochvovedeniie (Oldel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]	Sel'stroi. (16d)	Sel'skoe stroitel'stvo [Rural Construction]
Ref. zhur. : Pochv. udobr. mel. (15a)	Referativnyi zhurnal. Pochvovedeniie. Udobreniie. Melioratsiia (Oldel'nyi vypusk 57) [Journal of Abstracts: Soil Science. Fertilizers. Reclamation (Separate Issue 57)]	Sel'skhoz. lit. SSSR (15a)	Sel'skokhoziaistvennaya literatura SSSR [Agricultural Literature of the U.S.S.R.]
Ref. zhur. : Prom. transp. (16g)	Referativnyi zhurnal. Promyshlennyy transport [Journal of Abstracts: Industrial Transportation]	Shakht. stroit. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Ref. zhur. : Radiotekh. i elektrosviaz' (16e)	Referativnyi zhurnal. Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]	Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Ref. zhur. : Raketostr. (16b)	Referativnyi zhurnal. Raketoostroyeniie (Oldel'nyi vypusk 41) [Journal of Abstracts: Rocket Building (Separate Issue 41)]	Shkola i proizvod. (8a)	Shkola i proizvodstvo [School and Industry]
Ref. zhur. : Rast. (15d)	Referativnyi zhurnal. Rastenlevodstvo (Oldel'nyi vypusk 55) [Journal of Abstracts: Plant Culture (Separate Issue 55)]	Sib. mat. zhur. (13e)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Ref. zhur. : Tekh. i obor. tsel. - bum. i poligr. proizvod. (16g)	Referativnyi zhurnal. Tekhnologiiia i oborudovanie tselulozno-bumazhnogo i poligraficheskogo proizvodstva (Oldel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Woodpulp, Paper, and Printing Industry (Separate Issue 37)]	Soob. AN Gruz. SSR (1a)	Akademiiia nauk Gruzinskoi SSR, Tiflis. Soobshcheniia [Academy of Sciences of the Georgian S.S.R. Reports. Russian language edition]
Ref. zhur. : Tekh. mashinostroi. (16g)	Referativnyi zhurnal. Tekhnologiiia mashinostroyeniia [Journal of Abstracts: Technology of Machinery Manufacture]	Sots. obes. (5e)	Sotsial'noe obespecheniie [Social Security]
Ref. zhur. : Teploenerg. (16g)	Referativnyi zhurnal. Teploenergetika [Journal of Abstracts: Heat Engineering]	Sots. trud. (5d)	Sotsialisticheskie trud [Socialist Labor]
Ref. zhur. : Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal. Traktory i sel'skokhoziaistvennye mashiny i orudiia (Oldel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Separate Issue 44)]	Sots. zakon. (7)	Sotsialisticheskaya zakonnost' [Socialist Legality]
Ref. zhur. : Trub. transp. (16g)	Referativnyi zhurnal. Truboprovodnyi transport (Oldel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]	Sov. geol. (12c)	Sovetskaya geologiiia [Soviet Geology]
Ref. zhur. : Turbostr. (16g)	Referativnyi zhurnal. Turbostroyeniie (Oldel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]	Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Ref. zhur. : Vop. tekhn. prog. i org. proizvod. v mashinostroi. (16g)	Referativnyi zhurnal. Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroyeniie (Oldel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]	Sov. iust. (7)	Sovetskaya iustitsiia [Soviet Justice]
Ref. zhur. : Vozd. transp. (16b)	Referativnyi zhurnal. Vozdushnyi transport [Journal of Abstracts: Air transportation]	Sov. med. (14a)	Sovetskaya meditsina [Soviet Medicine]
		Sov. pech. (11b)	Sovetskaya pechat' [Soviet Press]
		Sov. pedagog. (8a)	Sovetskaya pedagogika [Soviet Pedagogy]
		Sov. potreb. koop. (5a)	Sovetskaya potrebitel'skaya kooperatsiia [Soviet Consumer Cooperation]
		Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
		Sov. shakht. (15h)	Sovetskie shakhty [Soviet Mines]
		Sov. slav. (4a)	Sovetskoe slavianovedeniie [Soviet Slavic Studies]

Sov. torg. (5a)	Sovetskaya torgovlya [Soviet Commerce]	Trudy Kazan fil AN SSSR, Ser. geol. nauk (12c)	Akademii nauk SSSR Kazanskii filial. Trudy. Seriya geologicheskikh nauk [Academy of Sciences of the U.S.S.R. Kazan Branch, Transactions. Series in the Geological Sciences]
Sov. voen (17a)	Sovetskii voen [Soviet Soldier]	Trudy Khar med. inst. (14a)	Kharkov Meditsynnyi Institut Trudy [Medical Institute, Transactions]
Sovr. metod. v biokhim. (13c)	Akademii meditsinskikh nauk SSSR, Moscow. Sovremennyye metody v biokhimi [Academy of Medical Sciences of the U.S.S.R. Modern Methods in Biochemistry]	Trudy LPI (16a)	Leningrad. Politehnicheskii Institut. Trudy [Polytechnic Institute, Transactions]
Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]	Trudy LITISBP (16c)	Leningrad. Tekhnologicheskii Institut tsellulozno-bumazhnoi promyshlennosti. Trudy [Technological Institute for the Woodpulp and Paper Industry, Transactions]
Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]	Trudy MIIIT (16g)	Moscow. Moskovskii Institut inzhenerov zheleznodorozhnogo transporta Trudy [Moscow Institute of Engineers of Railroad Transportation, Transactions]
Standartizatsiya (16a)	Standartizatsiya [Standardization]	Trudy MIKHM (16c)	Moscow. Institut khimicheskogo mashinostroeniya. Trudy [Institute of Chemical Machinery Manufacture, Transactions]
Steklo i keram. (16c)	Steklo i keramika [Glass and Ceramics]	Trudy MINKHIGP (16h)	Moscow. Institut neftekhimicheskoi i gazovoi promyshlennosti. Trudy [Institute of the Petrochemical and Gas Industry, Transactions]
Stroitel'stvo i arkhitektura Leningrada (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]	Trudy Mat. inst. (13e)	Akademii nauk SSSR. Matematicheskii Institut. Trudy [Academy of Sciences of the U.S.S.R. Mathematical Institute, Transactions]
Stroitel'stvo i arkhitektura Moskvy (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]	Trudy mol. uch. UASHN (15a)	Kiev. Ukrains'ka akademiya sil'skokhospodars'kykh nauk. Trudy molodykh uchenykh [Ukrainian Academy of Agricultural Sciences. Papers by Young Scientists]
Stroitel'stvo i arkhitektura Srednei Azii (10b)	Stroitel'stvo i arkhitektura Srednei Azii [Construction and Architecture of Central Asia]	Trudy NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii Institut geologii Arkktiki. Trudy [Scientific Research Institute of Arctic Geology, Transactions]
Stroitel'stvo i arkhitektura Uzb. (10b)	Stroitel'stvo i arkhitektura Uzbekistana [Construction and Architecture of Uzbekistan]	Trudy Oren. sel'khoz. inst. (15a)	Orenburg. Sel'skokhoziaistvennyi Institut. Trudy [Agricultural Institute, Transactions]
Stroitel'stvo i dorozhnye mashiny (16g)	Stroitel'stvo i dorozhnye mashiny [Construction and Road Machinery]	Trudy Paleont. inst. (12c)	Akademii nauk SSSR. Paleontologicheskii Institut. Trudy [Academy of Sciences of the U.S.S.R. Institute of Paleontology, Transactions]
Stroitel'stvo truboprovodov (16d)	Stroitel'stvo truboprovodov [Pipeline Construction]	Trudy 1-go MMI (14a)	Moscow. Pervyi meditsinskii Institut. Trudy [First Moscow Medical Institute, Transactions]
Sud.-med. ekspert. (14a)	Sudebno-meditsinskaya ekspertiza [Forensic Medicine Expertise]	Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii Institut geologii, geofiziki i mineral'nogo syr'ya. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources, Transactions]
Svar. proizv. (16f)	Svaruchnoe proizvodstvo [Welding Practice]	Trudy STI (16g)	Krasnoyarsk. Sibirskii tekhnologicheskii Institut. Trudy [Siberian Technological Institute, Transactions]
Tekh. kino i telev. (9a)	Tekhnika kino i televiziya [Motion-Picture and Television Engineering]	Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR (1a)	Akademii nauk SSSR. Sakhalinskii kompleksnyi nauchno-issledovatel'skii Institut. Trudy [Academy of Sciences of the U.S.S.R. Sakhalin General Scientific Research Institute, Transactions]
Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]	Trudy Sib. nauch.-issl. inst. energ. (16e)	Akademii nauk SSSR. Sibirskoe otdeleniye. Sibirskii nauchno-issledovatel'skii Institut energetiki. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department, Siberian Scientific Research Institute of Power, Transactions]
Tekstil'naia promyshlennost' (16f)	Tekstil'naya promyshlennost' [Textile Industry]	Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. (13f)	Sredneaziat'skii nauchno-issledovatel'skii gidrometeorologicheskii Institut. Trudy [Central Asia Hydrometeorological Research Institute, Transactions]
Teoriya i prakt. fiz. kul't. (8b)	Teoriya i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]	Trudy TSAO (13f)	T'Sentral'naya aerologicheskaya observatoriya. Trudy [Central Aerological Observatory, Transactions]
Teploenergetika (16g)	Teploenergetika [Heat Engineering]	Trudy TSIU (14a)	Moscow. T'Sentral'nyi Institut usovershenstvovaniya vrachel. Trudy [Central Institute for Postgraduate Training of Physicians, Transactions]
Torg. za rub. (5a)	Torgovlya za rubezhom [Trade Abroad]	Trudy TSNIIS (16d)	Babushkin. Vsesoyuznyi nauchno-issledovatel'skii Institut transportnogo stroitel'stva. Trudy [All-Union Scientific Research Institute of Transportation Construction, Transactions]
Traktory i sel'khoz. mashiny (16g)	Traktory i sel'khoz. mashiny [Tractors and Agricultural Machinery]	Trudy TashGU. Ped. nauki (1a)	Tashkent. Universitet. Trudy. Pedagogicheskie nauki [University, Transactions. Pedagogical Sciences]
Trudy AN Lit. SSR, Ser. B (1a)	Lietuvos TSR Mokslu akademija, Vilna. Darbai. Seriya B. Trudy Akademii nauk Lietuvos SSR. Seriya B [Academy of Sciences of the Lithuanian S.S.R. Transactions, Series B]	Trudy Tbil-NIGMI (13f)	Tiflis. Zakavkazskii nauchno-issledovatel'skii gidrometeorologicheskii Institut. Trudy [Transcaucasian Scientific Research Hydrometeorological Institute, Transactions]
Trudy Astrofiz. inst. AN Kazakh. SSR (13b)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Astrofizicheskii Institut. Trudy [Academy of Sciences of the Kazakh S.S.R. Astrophysical Institute, Transactions]	Trudy UNIKHIM (16h)	Sverdlovsk. Ural'skii nauchno-issledovatel'skii khimicheskii Institut. Trudy [Ural Chemical Research Institute, Transactions]
Trudy BGZ (13c)	Barguzinskii gosudarstvennyi zapovednik. Trudy [Barguzin State Preserve, Transactions]	Trudy VIM (15a)	Moscow. Vsesoyuznyi nauchno-issledovatel'skii Institut mekhanizatsii sel'skogo khoziaistva. Trudy [All-Union Scientific Research Institute for the Mechanization of Agriculture, Transactions]
Trudy Bash. gos. zap (13c)	Bashkirskii gosudarstvennyi zapovednik. Trudy [Bashkir State Preserve, Transactions]	Trudy VNIGRI (16h)	Leningrad. Vsesoyuznyi neftegazovyi nauchno-issledovatel'skii geologorazvedochnyi Institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute, Transactions]
Trudy GIPKH (16c)	Leningrad. Gosudarstvennyi Institut prikladnoi khimii. Trudy [State Institute of Applied Chemistry, Transactions]	Trudy VNII (16h)	Vsesoyuznyi neftegazovyi nauchno-issledovatel'skii Institut. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas, Transactions]
Trudy Geog. ob-va Gruz. SSR (12b)	Geograficheskoe obshchestvo Gruzinskoi SSR. Trudy [Geographic Society of the Georgian S.S.R. Transactions]		
Trudy Inst. fiziol. AN Kazakh. SSR (13c)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut fiziologii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Physiology, Transactions]		
Trudy Inst. geog. AN Gruz. SSR (12b)	Akademii nauk Gruzinskoi SSR, Tiflis. Institut geografii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Geography, Transactions]		
Trudy Inst. seism. stroitel'stva i seism. (16d)	Akademii nauk Tadzhikskoi SSR, Dushanbe. Institut seismostol'nogo stroitel'stva i seismologii. Trudy [Academy of Sciences of the Tajik S.S.R. Institute of Earthquakeproof Construction and Seismology, Transactions]		
Trudy Inst. zool. AN Azerb. SSR (13c)	Akademii nauk Azerbaidzhan'skoi SSR, Baku. Institut zoologii. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Zoology, Transactions]		
Trudy KAI (16b)	Kazan. Aviatelnyy Institut. Trudy [Aeronautical Institute, Transactions]		
Trudy Kal. tekhn. inst. ryb. prom. i khoz. (15b)	Kaliningrad. Kaliningradskii tekhnicheskii Institut rybnoi promyshlennosti i khoziaistva. Trudy [Kaliningrad Technical Institute of Fisheries, Transactions]		

Trudy VNIIBT (16h)	Vsesoluznyi nauchno-issledovatel'skii institut burovoi tekhniki. Trudy [All-Union Scientific Research Institute of Drilling Techniques Transactions]	Vestsi AN BSSR. Ser. bifik. nav. (13c)	Akademii nauk BSSR, Minsk. Vestsi. Seriya bifilagichnykh nauk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Biological Sciences]
Trudy VNIIGIM (15a)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut gidrotekhniki i melioratsii. Trudy [All-Union Scientific Research Institute of Hydraulic Engineering and Reclamation. Transactions]	Vestsi AN BSSR. Ser. sel'haasp. nav. (15a)	Akademii nauk BSSR, Minsk. Vestsi. Seriya sel'skikhospodarskikh nauk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Agricultural Sciences]
Trudy VNIRO (15b)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut morskogo rybnogo khozaistva i okeanografii. Trudy [All Union Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]	Vsiyank L'viv. un. Ser. filol (11a)	L'viv Universitet. Vsiyank. Seriya filologichna [University. Review. Philological Series]
Trudy Vses. ent. ob-va (13c)	Vsesoluznoe entomologicheskoe obshchestvo. Trudy [All-Union Entomological Society. Transactions]	Vnesh. torg. (5a)	Vneshnaya torgovlya [Foreign Trade]
TSitologiya (13c)	TSitologiya [Cytology]	Voenn. -ist. zhur. (4a)	Voenna-istoricheskii zhurnal [Military History Journal]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]	Voenn. -med. zhur. (14a)	Voenna-meditsinskii zhurnal [Journal of Military Medicine]
Uch. zap. CHGPI (1a)	Cherepovets Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute Studies]	Voenn. znan. (17a)	Voennye znania [Military Knowledge]
Uch. zap. LGU (1a)	Leningrad. Universitet. Uchenye zapiski [University. Studies]	Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]	Vop. fil. (3a)	Voprosy filosofii [Problems of Philosophy]
Uch. zap. VNIISZ (7)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut sotsial'nogo zakonodatel'stva. Uchenye zapiski [All-Union Scientific Research Institute of Social Legislation. Studies]	Vop. geront. i geriatr. (14a)	Voprosy gerontologii i geriatрии [Problems of Gerontology and Geriatrics]
Ugol' (16h)	Ugol' Ukrainy [Coal of the Ukraine]	Vop. gidr. (16d)	Voprosy gidrotekhniki [Problems of Hydraulic Engineering]
Ukr. biokhim. zhur. (13c)	Ukrains'kii biokhimichnyi zhurnal [Ukrainian Biochemical Journal]	Vop. ist. KPSS (6)	Voprosy istorii KPSS [Problems in the History of the CPSU]
Ukr. fiz. zhur. (13f)	Ukrains'kii fizichnyi zhurnal [Ukrainian Physical Journal]	Vop. ist. Kom. part. Kir. (6)	Voprosy istorii Kommunisticheskoi partii Kirgizii [Problems in the History of the Communist Party of Kirghizia]
Ukr. ist. zhur. (4a)	Ukrains'kii istorichnyi zhurnal [Ukrainian Historical Journal]	Vop. klin., patol. i lech. shiz. (14c)	Voprosy kliniki, patogeneza i lecheniia shizofrenii [Problems in the Clinical Aspects, Pathogenesis, and Treatment of Schizophrenia]
Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]	Vop. lit. (11b)	Voprosy literatury [Problems of Literature]
Ukr. mat. zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]	Vop. mikropaleont. (12c)	Voprosy mikropaleontologii [Problems of Micropaleontology]
Usp. fiz. nauk (13f)	Uspekhii fizicheskikh nauk [Progress in the Physical Sciences]	Vop. pit. (13c)	Voprosy pitanii [Problems of Nutrition]
Usp. khim. (13d)	Uspekhii khimii [Progress in Chemistry]	Vop. raket. tekhn. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering, Translations and Surveys of Foreign Periodical Literature]
Usp. mat. nauk (13e)	Uspekhii matematicheskikh nauk [Progress in the Mathematical Sciences]	Vop. stat. i ucheta (5b)	Moscow. Ekonomiko-statisticheskii institut. Voprosy statistiki i ucheta [Institute of Economics and Statistics. Problems of Statistics and Accounting]
Uzb. biol. zhur. (13c)	Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal]	Vop. vet. virus. (16b)	Voprosy veterinarnoi virusologii [Problems in Veterinary Virology]
Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]	Vop. virus. (13c)	Voprosy virusologii [Problems of Virology]
Uzb. khim. zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]	Vsem. prof. dvizh. (5d)	Vsemirnoe profsoiuznoe dvizhenie [World Trade-Union Movement]
Vech. sred. shkola (6a)	Vecherniaia sredniaia shkola [Evening Secondary School]	Vysokom. soed. (13d)	Vysokomolekulyarnye soedineniia [Macromolecular Compounds]
Ved. Verkh. Sov. RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet, Vedomosti [Supreme Soviet. Gazette]	Zakup. sel'khoz. prod. (6a)	Zakupki sel'skokhoziaistvennykh produktov [Purchases of Agricultural Products]
Ved. Verkh. Sov. SSSR (7)	Russia (1923- U. S. S. R.) Verkhovnyi Sovet, Vedomosti [Supreme Soviet. Gazette]	Zap. Chuk. kraeved. muz. (4a)	Anadyr'. Chukotskii kraevedcheskii muzei. Zapiski [Chukchi Museum for Regional Studies. Annals]
Vest. AN Kazakh. SSR (1a)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Vestnik [Academy of Sciences of the Kazakh S.S.R. Journal]	Zap. Vses. min. ob-va (12c)	Vsesoluznoe mineralogicheskoe obshchestvo. Zapiski [All Union Mineralogical Society. Annals]
Vest. khir. (14h)	Vestnik khirurgii [Review of Surgery]	Zarub. radioelek. (16e)	Zarubezhnaya radioelektronika [Radio Electronics Abroad]
Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]	Zashch. met. (16h)	Zashchita metalliv [Metals' Protection]
Vest. mashinost. (16g)	Vestnik mashinostroeniia [Machine-Building Review]	Zhelezn. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Vest. Mosk. un. Ser. 3: Fiz., astron. (13f)	Moscow. Universitet. Vestnik. Seriya 3: Fizika, astronomiia [University. Review. Series 3: Physics, Astronomy]	Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Vest. Mosk. un. Ser. 4: Geol. (12c)	Moscow. Universitet. Vestnik. Seriya 4: Geologiya [University. Review. Series 4: Geology]	Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Vest. Mosk. un. Ser. 5: Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriya 5: Biologiya, pochvovedeniia [University. Review. Series 5: Biology, Soil Science]	Zhur. mikrobiol., epid. i immunit. (14a)	Zhurnal mikrobiologii, epidemiologii i immunologii [Journal of Microbiology, Epidemiology, and Immunology]
Vest. Mosk. un. Ser. 7: Filol., zhur. (11b)	Moscow. Universitet. Vestnik. Seriya 7: Filologiya, zhurnalistika [University. Review. Series 7: Philology, Journalism]	Zhur. mod. (16f)	Zhurnal mod [Fashion Magazine]
Vest. Mosk. un. Ser. 8: Ekon., filoa. (5b)	Moscow. Universitet. Vestnik. Seriya 8: Ekonomika, filosofiya [University. Review. Series 8: Economics, Philosophy]	Zhur. Mosk. Patr. (5b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Vest. sel'khoz. nauk [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.	Zhur. nauch. i prikl. fot. i kin. (16c)	Zhurnal nauchnoi i prikladnoi fotografii i kinematografii [Journal of Scientific and Applied Photography and Cinematography]
Vest. stat. (5b)	Vestnik statistiki [Statistical Review]	Zhur. nevro. i psikh. (14c)	Zhurnal nevropatologii i psikhiatrii [Journal of Neuropathology and Psychiatry]
Vest. svyazi (16e)	Vestnik svyazi [Communications Review]	Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Vest. TSNII MPS (16g)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]	Zhur. org. khim. (13d)	Zhurnal organicheskoi khimii [Journal of Organic Chemistry]
Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]	Zhur. tekhn. fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
		Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
		Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]

# SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

ACS SERUM see Antirheumatic cytotoxic serum

## ACTH

- ACTH and cortisone, their use in an eye disease clinic. M. K. Briantseva, E. N. Vil'chanski. Trudy 1-go MMI 33 65-64 '64
- Activity of 21- and 11 $\beta$ -hydroxylases in the adrenal glands of rabbits following repeated administrations of ACTH. N. A. Iudacy, M. S. Morozova. Probl. endok. i germ. 11 no. 181-87 Ja-F '65.
- Adrenocorticotrophic activity of hypophysis and the reactivity of adrenal glands to ACTH at different time after partial decortication of brain hemispheres in rats. I. I. Ivanova. Nauch. dokl. vys. shkol, biol. nauki no. 2 64-68 '65.
- Effect of repeated administration of ACTH on the activity of 3 $\beta$ -ol-dehydrogenase and the synthesis of steroids from progesterone in the adrenal glands of rabbits. M. S. Morozova. Probl. endok. i germ. 11 no. 171-77 Ja-F '65.
- Treatment of nonsuppurative thyroiditis with a subacute course with prednisolone and ACTH. V. R. Kiyachko. Probl. endok. i germ. 11 no. 121-25 Ja-F '65.

## ACTH—PHYSIOLOGICAL EFFECT

- Participation of the nervous system in the mechanism of the action of adrenocorticotrophic hormone on gastric glands. I. T. Kurtsin, N. A. Laroslavskaya. Nauch. soob. Inst. fiziol. AN SSSR no. 3 83-87 '65.

## ABAKAN (KRASNOYARSK TERRITORY)—IRON MINES AND MINING—FINANCE

- The Abakan mine is striving for profitability. A. E. Seriyakov. Gor. zhur. no. 3-5 3 Mr '65.

## ABDOMEN—DISEASES

- Congenital absence of muscles of the anterior abdominal wall in children. G. A. Bulrov, E. A. Ostropol'skaya. Vest. khir. 93 no. 12 83-85 D '64.
- Role of the greater omentum in protecting the abdominal cavity from infections and toxins. A. A. Zaporozhets. Vest. khir. 94 no. 2 110-125 F '65.

## ABDOMEN—INNERVATION

- Nerve impulse circulation in the system of lateral giant axons of the abdominal chain in a crayfish. I. M. Burmistrov. Biofizika 10 no. 1 90-97 '65.

## ABDOMEN—SURGERY

- Method for simultaneous application of fistular tubes to several organs of the abdominal cavity using a combined cannula. I. K. Smirnov. Biol. eksp. biol. i med. 59 no. 4 118-120 Ap '65.

## ABDOMEN—TUMORS

- Inflammatory tumors following resection of the stomach. V. A. Orshankov. Vest. khir. 94 no. 2 104-105 F '65.

## ABDOMEN—WOUNDS AND INJURIES

- Abdominal injuries in the war. A. A. Bocharov. Voen.-med. zhur. no. 10 32-33 '64.
- Diagnosis of closed abdominal lesions in patients with a brain trauma. V. I. Grebeniuk, R. I. Zhutniuk. Voen.-med. zhur. no. 6 26-29 '64.

## ABDOMINAL AORTA—DISEASES

- Significance of X-ray diagnosis of atherosclerosis of the abdominal aorta and its ramifications in flight personnel. N. V. Orlov. Voen.-med. zhur. no. 11 59-62 '64.

## ABEGHIAN, MANUK, 1865-1944

- Manuk Abeghian's linguistic legacy. Ed. B. Agaian. Izv. AN Arm. SSR Obshchestv. nauk. no. 3 3-18 '65.

## ABELIAN GROUPS

- Representations of Abelian p-groups over a ring of p-adic integers. V. S. Drobotenko. Dop. AN URSSR no. 5: 557-558 '65.

## ABERRATION

- Recurrence form of Seidel sums expressing the dependence of aberrations on the position of the pupil of an aspherical objective. A. G. Vlasov, D. M. Krupp. Opt. i spekt., 18 no. 3 501-504 Mr '65.

- Spherical aberration of the width of a linear image in a composite quadrupole lens. A. D. Dymnikov, T. I. Fishkova, S. I. A. L'vov. Zhur. tekh. fiz. 35 no. 1 759-761 Ap '65.

## ABKHAZIA—BRACHIOPODA, FOSSIL

- Morphological and ecological characteristics of Upper Jurassic brachiopods in western Abkhazia. D. G. Iosheidze. Soob. AN Gruz. SSR 37 no. 3 617-622 Mr '65.

## ABKHAZIA—CLIMATE

- Climate of Abkhazia. M. O. Kordzhakia, Sh. I. Dzhabakhia. Trudy Inst. geog. AN Gruz. SSR 14 123-142 '61.

## ABKHAZIA—GEOLOGY, STRATIGRAPHIC

- Quaternary sediments of Abkhazia. D. V. Tsereteli. Trudy Inst. geog. AN Gruz. SSR 14 107-121 '61.

## ABKHAZIA—GEOMORPHOLOGY

- Geomorphological characteristics of the northwestern part of Abkhazia. Sh. I. A. Kiplani, G. D. Dondua. Trudy Inst. geog. AN Gruz. SSR 14 57-67 '61.
- Geomorphology of the southeastern part of Abkhazia. N. E. Astakhov. Trudy Inst. geog. AN Gruz. SSR 14 19-26 '61.

## ABKHAZIA—LANDFORMS

- Characteristics of the landform zones of Abkhazia. T. A. Sakharulidze. Trudy Geog. ob-va Gruz. SSR 7 171-180 '63.
- Establishing types of natural landforms on the territory of Abkhazia (the northwestern part of the Georgian S.S.R.). K. V. Kavrisvili. Trudy Inst. geog. AN Gruz. SSR 20 119-137 '64.

## ABKHAZIA—PHYSICAL GEOGRAPHY

- Physicogeographical regionalization of Abkhazia. D. B. Ukhoba. Trudy Inst. geog. AN Gruz. SSR 14 167-183 '61.

## ABKHAZIA—PHYTOGEOGRAPHY

- Phytogeographical characteristics of Abkhazia. E. V. Sokhadze, M. E. Sokhadze. Trudy Inst. geog. AN Gruz. SSR 14 150-166 '61.

## ABKHAZIA—RIVERS

- Average perennial drainage and its distribution within the year in the small rivers of Abkhazia. G. N. Giginelshvili. Trudy Inst. geog. AN Gruz. SSR 20 227-234 '64.
- Runoff regularities in the river basins of Abkhazia. L. A. Vladimirov. Trudy Inst. geog. AN Gruz. SSR 14 145-158 '61.

## ABOMASUM—SECRETIONS

- Change in the fermentation activity of the abomasal juice in calves during various age periods. P. A. Nelipa. Trudy mol. uch. UASHN no. 9 58-62 '63.

## ABSORPTION (PHYSIOLOGY)

- Mechanism of the changes in the gastric and intestinal absorptive activity under the effect of radio waves of the centimeter diapason of ultrahigh frequency on the body. V. R. Fattell'berg-Blank. Fiziol. zhur. 51 no. 3 372-377 Mr '65.
- Role of phosphatidase in the mechanism of amino acid absorption in the intestine. O. A. Shishova, B. K. Skirko. Vop. pit. 23 no. 5 23-28 S-O '64.

## ABSORPTION OF LIGHT

- Quantum light absorption by certain transition metals. M. M. Kirillova, B. A. Charikov. Fiz. met. i metalloved. 18 no. 4 465-500 Ap '65.

## ABSORPTION SPECTRA

- Absorption features of colloidal solutions and dry layers of certain organic dyes. E. A. Kirillov and others. Dokl. AN SSSR 161 no. 6 1371-1374 Ap '65.
- Fine structure of L<sub>111</sub>-II absorption spectra of Cl in the compounds LiCl, NaCl, KCl, RbCl, and CsCl. T. M. Zimkina, A. P. Lukhskii. Fiz. tver. tela 7 no. 5 1462-1466 My '65.
- Infrared absorption of arsenic monoselenide. E. L. Zorina, S. A. Dembovskii. Opt. i spekt., 18 no. 3: 505-508 Mr '65.

- Infrared absorption spectra of crystals of antiferromagnetic cobalt compounds. Part 1. Absorption due to Stark splitting of the main term. A. I. Zviagin, V. V. Iremenko. Ukr. fiz. zhur. 10 no. 5 525-530 My '65.

## ACADEMY OF SCIENCES OF THE KAZAKH S.S.R.

- At the general sessions of the Departments of the Academy of Sciences of the Kazakh S.S.R. Vest. AN Kazakh SSR 21 no. 3 24-27 Mr '65.
- Discussion of reports and decisions on organizational problems. Vest. AN Kazakh SSR 21 no. 3 18-23 Mr '65.
- Opening speech of the President of the Academy of Sciences of the Kazakh S.S.R. Academician Sh. Ch. Chokin at the general assembly of the Academy of Sciences of the Kazakh S.S.R. Jan. 26, 1965. Vest. AN Kazakh SSR 21 no. 3 1-8 Mr '65.
- Principal results of the scientific activity of the Academy of Sciences of the Kazakh S.S.R. in 1964 and its future tasks, report of the Acting Secretary of the President of the Academy of Sciences of the Kazakh S.S.R., Doctor of Geological and Mineralogical Sciences, Academician G. B. Zhilinskii. Vest. AN Kazakh SSR 21 no. 3 9-17 Mr '65.

## ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R.

- The Institute of History of the Academy of Sciences of the Kirghiz S.S.R. 1963-1964. V. P. Sherstobitov. Ist. SSSR 9 no. 2 223-224 Mr-Ap '65.

## ACADEMY OF SCIENCES OF THE TAJIK S.S.R.—BIBLIOGRAPHY

- see Bibliography—Academy of Sciences of the Tajik S.S.R.

## ACADEMY OF SCIENCES OF THE U.S.S.R.

- Akademiya nauk SSSR. Biblioteka. [Collected sets on the history of the 16th and 16th centuries; a description of the Manuscript Department of the Library of the Academy of Sciences of the U.S.S.R.]. Istoricheskie sborniki XV-XVII vv., opisaniye rukopisnogo otdela Biblioteki Akademii nauk SSSR. Sost. A. I. Kopanov, M. V. Kukushkina, V. F. Pokrovskaya. Moskva, Nauka. Vol. 3. No. 2. 1965. 360 p.
- Annual General Meeting of the Department of Biochemistry, Biophysics, and Chemistry of Physiologically Active Compounds of the Academy of Sciences of the U.S.S.R. Izv. AN SSSR. Ser. khim. no. 5 938-940 '65.
- Annual General Meeting of the Department of General and Technical Chemistry of the Academy of Sciences of the U.S.S.R. held January 5, 1965. Izv. AN SSSR. Ser. khim. no. 5 933-938 '65.
- The Third Session of the Scientific Council of the Academy of Sciences of the U.S.S.R. R. I. Iukhina. Mezhdunar. zhizn' 12 no. 6 159-160 My '65.

## ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R.

- Discussion of the Report on the Scientific Work of the Academy of Sciences of the Ukrainian S.S.R. in 1964. Dop. AN URSSR no. 4 466-469 '65.

## ACADEMY OF SCIENCES OF THE WHITE RUSSIANS S.S.R.

- Annual General Meeting of the Academy of Sciences of the White Russian S.S.R. Vest. AN BSSR. Ser. vital. nav. no. 1 135-138 '65.
- The Institute of History of the Academy of Sciences of the White Russian S.S.R. 1963-1964. I. E. Matchenko. Ist. SSSR 9 no. 2 221-222 Mr-Ap '65.

## ACARIANS see subdivision under Turkmenistan

## ACCELERATION (PHYSIOLOGY)

- Effect of gravitational stress on the arterial system of the nerves of the extremities. V. A. Osielnik. Arkh. anat., gist. i embr. 40 no. 4 87-92 Ap '64.

## ACCELEROMETERS

- Comparative evaluation of compensation-type integrating accelerometers. L. V. Polonskaya. Izv. vys. ucheb. zav. prib. 8 no. 2 100-106 '65.
- High error limit of the discrete measurements of speeds and accelerations. V. A. Levidov, O. N. Tikhonov. Izv. vys. ucheb. zav. prib. 8 no. 2 113-117 '65.

## ACCEPTANCES

- Two suggestions. M. Griluk. Sov. torg. 38 no. 4 137 Ap '65.

## ACCLIMATIZATION

(see also subdivision under Russia, Northern)  
Acclimatization of trotter breeds in Northern Kazakhstan. P. A. Fedotov, Vest. sel'khoz. nauk [Kazakh.] 8 no. 4: 26-34 Ap '65.

## ACCLIMATIZATION (PLANTS)

Acclimatization of Metasequoia in Lvov. S. D. Mel'nik, Biol. Glav. bot. sada no. 56:17-18 '64.

Viability and growth of the stem cuttings of some poplar species and their hybrids in the Svetly Yar Forest Working Circle, Stalingrad Province. N. T. Kochkar', Sborn. nauch.-issl. i ob. VNIALMI no. 20:13-47 '60.

## ACCOMPLICES

Contraventional questions of complicity in cases of criminal nonfeasance. G. Timelko, Sov. iust. 29 no. 6:8-11 Mr '65.

Strengthen the active control of acquisition and disposition of stolen property in cases where there is no understanding before the fact. G. Shelkovkin, N. Korzhanskii, Sov. iust. 29 no. 7:16-19 Ap '65.

## ACCOUNTING

(see also subdivision under Leningrad; Lithuania)  
Accounting forms where machine accounting is in effect. V. Isakov, Bukhg. uch. 22 no. 4:63-68 Ap '65.  
Analysis of the fulfilling of the plan for volume of production. M. Sherikh, Fin. SSSR 39 no. 5:74-78 My '65.

Bazbrik, A. S., and B. S. Shcheglov. [Manual on accounting in an industrial enterprise] Spivachov posobie po bukhgalterskomu uchetu v promyshlennom predpriatii. Minsk, Belarus', 1964. 435 p.

Bi. leaf news. Bukhg. uch. 22 no. 3:70-80 Mr '65.

First practice in centralized accounting offices in industry. M. Rabinovich, Fin. SSSR 39 no. 5:33-39 My '65.

For further improvement of the welfare of the Soviet people. Bukhg. uch. 21 no. 10:3-6 O '64.

Give more attention to the accounting for the uncompleted planning. G. Rubinshtein, Bukhg. uch. 22 no. 4:55-58 Ap '65.

How to compile verifying ("chess") balance. S. Kheifets, Fin. SSSR 39 no. 5:69-74 My '65.

In the Collegium of Ministry of Finance of the U.S.S.R. Bukhg. uch. 22 no. 3:77-79 Mr '65.

In the Ministry of Finance of the U.S.S.R. Bukhg. uch. 22 no. 4:77-78 Ap '65.

Operational accounting information of an enterprise. I. K. akos, Bukhg. uch. 22 no. 1:16-20 Ap '65.

Smirnitckii, B. K. [Think and count; an aid for practical studies in economics study groups and seminars in industrial enterprises] Podumat'e, podschitate, posobie dlia prakticheskikh znanii v ekonomicheskikh kruz'kakh i seminarakh na promyshlennom predpriatii. Moskva, Politizdat, 1965. 174 p.

Set: vey of newspapers. Bukhg. uch. 22 no. 1:57-62 Ap '65.

## ACCOUNTING—CONGRESSES

Conference on standard accounting method. Bukhg. uch. 22 no. 4:69-73 Ap '65.

## ACCOUNTING MACHINES see subdivision under Ufa

## ACETALDEHYDE

Synthesis of polyvinylformalethylal from an aqueous dispersion of polyvinyl acetate. Part 3: Consecutive acetalization of polyvinyl alcohol by formaldehyde and acetaldehyde in diluted acetic acid medium. A. G. Sotadjan, K. S. Kocherlan, Izv. AN Arm. SSR Khim. nauki 18 no. 1:104-113 '65.

## ACETALS

Chemistry of polyene and polyacetylene compounds. Report No. 14: Aldehyde acetals of the diacetylene series and their use in the synthesis of vinylideneacetylenic acids. B. P. Gusev, V. F. Kucherov, Izv. AN SSSR, Ser. khim. no. 6:851-855 '65.

Polyene compounds. Report No. 17: Condensation of vinyl ethyl ether with thio ketals. B. M. Mikhailov, G. S. Ter-Sarkislan, A. A. Bystrova, Izv. AN SSSR, Ser. khim. no. 3:443-440 '65.

## ACETIC ACID

Extraction of ethylenediaminetetraacetates (As exemplified by iron and thorium complexes). I. U. A. Zolotov, O. M. Petrukhin, I. P. Alimarin, Zhur. anal. khim. 20 no. 3:347-350 '65.

Flame photometric and titrimetric methods for determining calcium in plants. D. M. Alekseeva, Pochvoedenie no. 5:63-67 My '65.

Molecular polymorphism of monochloroacetic acid. I. A. Shecherbakov, Trudy Khim. med. inst. no. 36:380-395 '57.

Study of neutral imino diacetates of certain metals by infrared spectroscopy. A. I. Grigor'ev and others. Dokl. AN SSSR 161 no. 4:839-842 Ap '65.

ACETIC ACID—EFFECT ON PLANTS see Plants, Effect of acetic acid on

## ACETIC ACID—THERAPEUTIC USE

Pharmacological characteristics of diethylaminopropyl ether of diphenylisopropoxyacetic acid. V. M. Samvelian, Izv. AN Arm. SSR, Biol. nauki 18 no. 3:15-20 Mr '65.

## ACETIC ANHYDRIDE

Amides and anhydrides of phosphorus acids. Part 5: Reaction of amides of phosphorous and phosphinic acids with acetic anhydride. V. P. Evdokov, E. K. Shilenkova, Zhur. ob. khim. 35 no. 4:739-741 Ap '65.

## ACETOACETIC ACID

Reactions of methyl- $\alpha$ -chloroethyl ether with the metal derivatives of acetoacetic ester. T. I. Ternikova, V. V. Takhistov, Zhur. ob. khim. 35 no. 4:752 Ap '65.

## ACETONE

Condensation of anisole with acetone and cyclohexanone in the presence of BF<sub>3</sub>·H<sub>2</sub>O complex. S. V. Zavgornodil, A. V. Strashchenko, Zhur. org. khim. 1 no. 1:106-111 Ja '65.

Imines of perfluoro ketones. I. U. V. Zeitman, N. P. Gimbardian, L. L. Kuntants, Izv. AN SSSR, Ser. khim. no. 3:150-156 '65.

Reaction of hexafluoroacetone with triethyl phosphite. E. M. Rokhlin and others. Dokl. AN SSSR 161 no. 6:1356-1358 Ap '65.

## ACETOPHENONE

Products of interaction of chloroacetone and  $\alpha$ -bromoacetophenone with diphenylphosphine acid esters. B. A. Arbutov and others. Izv. AN SSSR, Ser. khim. no. 1:669-678 '65.

## ACETOXANE

Acetoxane and interferon in virus infections. Z. V. Zimol'eva and others. Trudy TSU 68:145-149 '64.

## ACETYLENE

Catalytic conversion of acetylene on molybdenum catalysts in the vapor phase. A. N. Sarbaev, I. P. Khailov, Izv. vyz. uch. z. v. khim. i khim. tekhn. 7 no. 6:918-952 '64.

Electroreduction of natural gas to obtain acetylene. V. E. Barinov, Trudy MUKHIGP no. 44:103-108 '63.

Mechanism and rate constant of the reaction between oxygen atoms and acetylene. L. I. Avramenko, R. V. Kolesnikov, G. I. Savinova, Izv. AN SSSR, Ser. khim. no. 3:100-112 '65.

Polytrigraphy of diiodoacetylene. S. E. Isakbekian, L. I. Zhdanov, Izv. AN SSSR, Ser. khim. no. 3:634-636 '65.

Spontaneous transition of burning into detonation in pure acetylene at low pressures. S. M. Kogarko, A. G. Ljabin, V. A. Mikhailov, Dokl. AN SSSR 162 no. 1:857-860 Je '65.

## ACETYLENE—COSTS

Distribution of expenditures for acetylene and ethylene in their simultaneous production. B. A. Brunshtein and others. Neftep. i neftekhim. no. 4:28-30 '65.

## ACETYLENE COMPOUNDS

Addition of hydrogen bromide to certain acetylenic ketones. L. F. Chispanova, V. D. Nemirovskii, L. N. Mashlakovskii, Izv. vyz. uch. z. v. khim. i khim. tekhn. 7 no. 6:945-947 '64.

Chemical properties of diethylenynes. S. I. Shergina and others. Izv. AN SSSR, Ser. khim. no. 3:574-578 '65.

Chemistry of polyene and polyacetylene compounds. Report No. 12: Hydration of tertiary alcohols and glycols of the diacetylenic series. B. P. Gusev, I. I. Nazarova, V. F. Kucherov, Izv. AN SSSR, Ser. khim. no. 4:688-692 '65.

Condensation of phenols with acetylenic  $\gamma$ -glycols in the presence of phosphoric acid. A. I. Kakimashvili, D. I. A. Bugianishvili, R. Macharadze, Soob. AN Gruz. SSR 37 no. 3:573-580 Mr '65.

Dehydration of tertiary diacetylenic glycols. S. A. Vartanian, S. K. Pirentan, R. V. Tokmadashina, Izv. AN Arm. SSR Khim. nauki 18 no. 1:126-127 '65.

Regularities in the addition of secondary amines to diacetylenic alcohols. I. I. Nazarova, B. P. Gusev, V. F. Kucherov, Izv. AN SSSR, Ser. khim. no. 4:728-731 '65.

Regularities in the addition reactions of polyacetylenes. Part 6: Course of reactions of the addition of hydrogen, bromine, and hydrogen bromide to trimethylsilyl-1,5-alkadiynes. M. P. Forost, O. A. Muzovskaya, A. A. Petrov, Zhur. ob. khim. 35 no. 4:707-713 Ap '65.

Synthesis of acids of the polyacetylene series. A. R. Derzhinskii, M. V. Mavrov, V. F. Kucherov, Izv. AN SSSR, Ser. khim. no. 3:544-540 '65.

Synthesis of primary-tertiary acetylenic  $\gamma$ -glycols. M. F. Shostakovskii and others. Izv. AN SSSR, Ser. khim. no. 4:709-712 '65.

Synthesis of sulfides of tertiary acetylenic phosphinates. G. M. Bogolubov, A. A. Petrov, Zhur. ob. khim. 35 no. 4:704-707 Ap '65.

## ACETYLENE GENERATORS—DESIGN AND CONSTRUCTION

Stationary ASK-1-63 acetylene generator. D. I. Tesmetnitskii, G. I. Chuganova, Sval. proizv. no. 3:38-39 Mr '65.

## ACETYLIDES

Reactions of complex aluminum acetylides with carbonyl compounds. V. V. Gavrilenko, L. L. Ivanov, L. I. Zakhar'kin, Zhur. ob. khim. 35 no. 4:635-638 Ap '65.

## ACHISHKHO, MOUNT—CORYDALIS

New species of Corydalis from Mount Achishkho. A. P. Khokhrakov, Biol. Glav. bot. sada no. 59:42-44 '64.

## ACID-BASE EQUILIBRIUM

Hypoxia and acid-base equilibrium in dying from loss of blood under conditions of deep hypothermia and in the subsequent restoration of vital functions following a two-hour clinical death. O. N. Buzanova, Pat. fiziol. i lek. terap. 9 no. 2:26-30 Mi-Ap '65.

## ACIDS

Effect of rhodium on the rate of titanium dissolution in acids. T. D. Shitepa, E. G. Gritsenko, Ukr. khim. zhur. 30 no. 6:649-651 '64.

High-frequency titration. Report No. 13: Titration of acids in glycol media. V. A. Zarinakii, I. A. Gur'ev, Zhur. anal. khim. 20 no. 3:291-298 '65.

Obtaining hydroxy acids from liquid paraffins. V. K. Tsykovskii, A. A. Bocharov, T. E. Baeva, Neftekhim. 5 no. 1:100-107 Ja '65.

Potentiometric acid-base titration in dimethylformamide. N. P. Dzuba, N. A. Izmailov, Ukr. khim. zhur. 31 no. 4:403-408 '65.

Quantitative composition of the tar acids of pine and fir oleoresins. I. I. Bardyshev and others, Gidroliz. i isokhim. prom. 18 no. 2:10-11 '65.

Studies on the solubility of sulfanilamide preparations. Report No. 3: Effect of some organic acids on the solubility of sulfanilamide. N. M. Lykhol'ot, V. P. Husakov, Farmatsev. zhur. 19 no. 1:52-55 '64.

## ACIDS, FATTY

Dewatering of fatty acids prior to soap boiling. I. M. Ismailov, V. G. Kiepkov, A. U. Makhmudov, Maslozhir. prom. 31 no. 3:33-34 Mi '65.

Oxidation of paraffin in the presence of complex accelerators for the production of fatty acids. Report No. 1 and No. 2. B. N. Titul'mnikov, Z. M. Nivishina, A. A. Perchenko, Izv. vyz. uch. z. v. khim. i khim. tekhn. no. 1:28-33 '65.

Polysaturated fatty acid content in the fats of main commercial fishes in the Azov-Black Sea Basin. G. S. Khristoforov, Vop. pit. 23 no. 5:17-20 S-O '64.

Reactions of condensation with hydrazine derivatives. Part 1: Kinetics of aliphatic dicarboxylic acid reactions with dihydrazide of sebacic acid in *m*-cresol. V. A. Ianchevskii, A. P. Grekov, K. A. Kornev, Zhur. org. khim. 1 no. 1:140-141 Ja '65.

Relation between the length of the fatty acid chain and the rheological characteristics of the pseudogels of Ca soaps. V. V. Sintayev, I. U. L. Ischuk, Dokl. AN SSSR 162 no. 3:625-628 My '65.

Separation of fatty acids from the vat residue of synthetic fatty acids. I. B. Gubenko, A. V. Druzhinina, N. I. Ladyzhnikov, Maslozhir. prom. 31 no. 4:21-23 Ap '65.

Synthetic fatty acids in the production of machine-coated paper. I. U. N. Klimova and others. Bum. prom. no. 4:9-10 Ap '65.

Utilization of the sodium sulfate solution obtained in the production of synthetic fatty acids. P. G. Igonin, E. A. Shkharuk, V. V. Svitkin, Maslozhir. prom. 31 no. 3:28-29 Mr '65.

ACIDS, FATTY—ANALYSIS

Application of the gas-liquid chromatography method for the direct determining of the fractional composition of low-molecular synthetic fatty acids. A. I. Parinskii, I. K. Shelomov, Maslozhir. prom. 31 no. 3:25-27 Mr '65.

## ACIDS, ORGANIC

Correlation of the dissociation constants of carboxylic acids RCOOH and Taft's  $\sigma$ -constants with the nuclear quadrupole resonance frequencies of halogens in RHal-type compounds. E. N. Tsvetkov and others. Dokl. AN SSSR 161 no. 5:1102-1105 Ap '65.

Derivatives of 4(5)-oxazolones and 4(5)-thiazolones. Part 2: Reaction of derivatives of haloacetic acids with some derivatives of mono- and diacids. S. M. Khripak, I. V. Smolanka, V. I. Staninets, Ukr. khim. zhur. 30 no. 6:618-619 '64.

High-frequency titration of aliphatic dicarboxylic acids in nonaqueous solutions. A. P. Kreshkov, L. N. Rykova, O. F. Kirillova, Izv. vyz. uch. z. v. khim. i khim. tekhn. 7 no. 6:914-918 '64.

Mechanism of the formation of free radicals in the decomposition of hydroperoxides by the action of organic acids. L. G. Privalova, Z. K. Maizus, N. M. Emanuel', Dokl. AN SSSR 161 no. 5:1135-1137 Ap '65.

Monoorganosilanes. Part 4: Reactivity of monoorganosilanes in the reaction with monocarboxylic acids. V. O. Reikhsfel'd, V. A. Prokhorova, Zhur. ob. khim. 35 no. 4:693-697 Ap '65.

Reaction of ethyldichlorophosphine with  $\alpha, \beta$ -unsaturated acids. V. K. Khairullin, Dokl. AN SSSR 162 no. 4:827-828 Je '65.

Synthesis of acids of the polyacetylene series. A. R. Derzhinskii, M. V. Mavrov, V. F. Kucherov, Izv. AN SSSR, Ser. khim. no. 3:544-546 '65.

Use of some organic acids and acid combinations by bacterium formae under aerobic conditions. V. N. Shaposhnikov, Zh. K. Loria, Dokl. AN SSSR 162 no. 2:445-446 My '65.



of treatment of seborrhea and acne vulgaris.  
es'ko Voen-med zhur no 7.70-71 '64.

#### —PHYSIOLOGICAL EFFECT

preparations derived from Fischer's aconite on  
encephalogram of animals L. A. Filimonova  
N Kazakh SSR 21 no 3 92-97 Mr '65

CAL OIL WELL LOGGING see Oil well logging,  
ical

#### E ORANGE

tion of a subcellular fraction enriched with  
orange cytoplasmic granules A V Zelenin  
thers Dokl AN SSSR 162 no 4:925-927 Je '65  
eridine orange fluorescence for studying the  
ary structure of nucleic acids O F Borisova,  
umerman Biophysika 10 no 1 32-36 '65

#### IN

temperature radiation polymerization of acrolein.  
inkel'shtein, A.D. Abkin Dokl. AN SSSR 161  
1098-1101 Ap '65  
n of cellulose with acrolein. Kh. Dustmukhamedov  
thers Uzb khim. zhur 8 no.5:74-75 '64  
ure of acrolein copolymers with vinyl aryl ethers.  
Shostakovskii and others Dokl. AN SSSR 162  
124-126 My '65.

sis of  $\alpha$ -ethoxyacrolein. M. F. Shostakovskii,  
Kelko. Dokl. AN SSSR 162 no.2:362-363 My '65.

#### AMIDE

nism of the flocculating action of industrial poly-  
lamide. I. I. Veltser, Z. A. Kolobova, R. M.  
ina. Nauch. trudy AKKH no. 22 '63. Vod. no. 3:  
6 '63.  
of the effect of polyacrylamide on the process of  
tion. L. N. Pashutskaya. Nauch. trudy AKKH  
'63. Vod. no. 3:37-48 '63.  
logical characteristics of industrial polyacrylamide.  
Bakumanina. Nauch. trudy AKKH no. 22 '63. Vod.  
56-59 '63.  
a size with polyacrylamide for silk warp slashing.  
Grekhova, N. V. Belogintseva. Tekst. prom. 25  
35-38 Ap '65.

acrylamide for warp sizing. P. A. Glubish and  
A. Tekst. prom. 25 no 5:37-40 My '65  
of polyacrylamide in the processing of industrial  
es by contact clarifiers. N. T. Lubochnikov.  
h. trudy AKKH no. 22 '63. Vod. no. 3:49-65 '63.  
hydrolyzed polyacrylamide to stabilize clay muds.  
Skal'skaia and others. Burenie no 7:18-20 '64

#### IC ACID

ion polymerization of lower alkyl acrylates. V. I.  
eva and others Vysokom soed. 7 no 1:156-162  
65  
trial utilization of reagents on a base of acrylate.  
Mamadzhanov, M. K. Turapov. Burenie no. 9,  
1 '64.  
ction between furan derivatives and acrylic acid  
ride. V. G. Glukhovtsev, S. V. Zakharova. Izv.  
SSSR. Ser. khim. no 4:751-763 '65.  
graphical method of studying copolymerization of  
yl acrylate with 2-methyl-5-vinylpyridine.  
Bezuglyi, T. A. Alekseeva Ukr. khim. zhur. 31  
392-397 '65

ction of esters of substituted  $\alpha$ -nitroacrylic acids  
skeletal nickel catalyst. K. K. Babilevskii. Izv.  
SSSR. Ser. khim. no. 4:750-751 '65.

#### ONITRILE

the comb spinning system for the processing of  
lan' synthetic fibers A D Volkova Tekst. prom.  
no. 3:29-31 Mr '65.

#### ONITRILE POLYMERS

tence in substituting polyacrylonitrile for viscose  
s in sutting fabrics. N. M. Imanov, N. G. Kaziev.  
t. prom. 25 no. 4 29-31 Ap '65

erization of acrylonitrile under the effect of  
nomagnesium compounds. B. L. Erusallimskii,  
Kulevskaya. Vysokom. soed. 7 no. 1:184-185  
65

phase anionic polymerization of acrylonitrile.  
Berlin, E. V. Kochetov, N. S. Enkolopian Vysokom.  
7 no. 1:187 Ja '65.

mal conversion of polyacrylonitrile. M. A.  
Berikhi, B. E. Davydov, B. A. Kremes' Izv. AN  
R. Ser. khim. no. 4:836-843 '65.

#### OPHENONE

sis of  $\delta$ -hydroxyphenyl vinyl ketone. A. I. Turbina,  
Sinlavskii, M. I. A. Romankevich. Ukr. khim. zhur.  
no. 1:85-88 '65.

#### OMETRY

ometric handbook "Foreign countries." M. I.  
erban'. Izv. AN SSSR. Fiz. atm. i okeana 1 no. 3:  
Mr '65.  
at'ev, K. I. A. [Actinometry] Aktinometriia. Lening.  
Gidrometizdat, 1965. 680 p.

#### ACTINOMETRY—OBSERVATIONS

[Actinometric monthly] Aktinometr. ezhe-m. no. 1 J1  
'62, publ. '64, no. 1 D '62, publ. '65; no. 1 Ja '63,  
publ. '65.

#### ACTINOMYCES

Mutagenic effect of nitroalkylurea and ethylenimine on  
back mutations in actinomycetes. I. U. E. Bar'toshovich  
Dokl. AN SSSR 162 no. 1:193-198 My '65  
Study of the possibility of the in vitro adaptation of  
Proactinomyces israeli to some antibiotics. A. V.  
Golikov. Antibiotiki 10 no. 2:163-165 F '65

#### ACTINOMYCES—CULTURES AND CULTURE MEDIA

Effect of repeated addition of the culture medium on the  
activity of chlortetracycline and the morphology of L53-  
2201 A. aureofaciens. A. M. Makukhina, N. N. Korganova.  
Ferm. i spir. prom. 31 no. 4:17-20 '65.  
Lyso-genic conversions of citrate resistance in Actino-  
myces venezuelae. I. A. I. Ravenshtein, N. I. Fadeeva.  
Dokl. AN SSSR 161 no. 6:1441-1443 Ap '65.

#### ACTINOMYCIN

Actinomycin D as a vital dye and fluorochrome. F. I.  
Ershov, V. M. Zhdanov Dokl. AN SSSR 162 no 4:632-  
633 Je '65

#### ACTINOMYCOSIS

Primary actinomycosis of the stomach. I. N. Shubenko-  
Gabusova. Arkh. pat. 27 no 3:83-85 '65

#### ACTIVATION ENERGY—CONGRESSES

Simpozium po elementarnym protsessam khimii vyso-  
kikh energii. Moscow, 1963. [Elementary processes  
of the chemistry of high energies, transactions]  
Elementarnye protsessy khimii vysokikh energii; trudy.  
Moskva, nauka, 1965. 317 p.

#### ACTIVITY COEFFICIENTS

Activation of iron by halogen ions. I. A. M. Kolotyrkin,  
L. I. Freiman. Dokl. AN SSSR 162 no. 2:376-378  
My '65.

Kinetics of the initial stages of activation of iron-chro-  
mium alloys by halogen ions. G. V. Golovina, G. M.  
Floriantovich, I. A. M. Kolotyrkin. Elektrokhemii 1  
no 1:12-16 Ja '65.

#### ACTOMYOSINS

Effect of ethanolamine on some properties of myosin and  
actomyosin. G. V. Barsagian Dokl. AN Arm. SSR 40  
no. 2:108-115 '65.

#### ACTORS

Bronshtein, S. N. [Heroes of a moment; recollections  
of a spectator] Geroi odnogo mgnoveniia; vospominaniia  
zritel'ia. Moskva, Iskusstvo, 1964. 157 p.  
(MR)

#### ACTRESSES, UKRAINIAN—CORRESPONDENCE,

##### REMINISCENCES, ETC.

Kryvyta'ka, Lesia. [Tale of my life; reminiscences of  
an actress] Povist' pro moie zhyttia; spohady arystky.  
Kyiv, Mystetstvo, 1955. 163 p.

#### ACUTE CATARRHAL JAUNDICE see Hepatitis, In- fectious

#### ADAPTATION (BIOLOGY)

Adaptation of white mice to low temperatures as a re-  
sult of an acute periodical exposure to cold and accom-  
panying changes of some physiological indices of  
energy metabolism in the body. S. F. Maslov, I. N.  
Ivashkina. Nauch. dokl. vys. shkoly, biol. nauk 1 no. 2:  
58-63 '65.

Adaptive characteristics of the skin of the external  
part of the acoustic analyzer in birds. N. N. Gurtovoi,  
V. D. Il'ichev, V. I. Kreshkin. Zool. zhur. 44 no. 2 304-  
308 '65.

Experimental data on the qualitative adaptation of  
epithelial tissue. I. Zs. Nagy, S. Kalapos, G. Lovai.  
Arkh. anat., gist. i embriol. 46 no. 4:80-86 Ap '64.  
Some indices of body reactivity during anesthesia and  
surgery. A. N. Kutselina. Vest. khir. 92 no. 6:71-75  
Je '64.

Two cases of development of compensatory phenomena  
in dogs during parathyroid insufficiency. N. F. Bara-  
nova, M. F. Belevintseva, M. P. Martynenko. Nauch.  
soob. Inst. fiziol. AN SSSR no. 3:12-16 '65.

#### ADDITION REACTIONS

Contribution to the theory of nucleophilic additions.  
Part 13: Addition of hydrogen iodide to acetylenecar-  
boxylic esters from mixtures of N-butyl quaternium  
iodide and carboxylic acids in chloroform. G. F. Dvorko,  
T. F. Karpenko. Ukr. khim. zhur. 31 no. 1:75-83 '65.  
Regularity in the addition reactions of polyacetylenes.  
Part 8: Course of reactions of the addition of hydrogen,  
bromine, and hydrogen bromide to trimethylsilyl-1, 5-  
alkadienes. M. P. Forost, O. A. Murzovskina, A. A. Petrov.  
Zhur. ob. khim. 35 no. 4:707-713 Ap '65.

#### ADENINE

Effect of nicotinamide on the nicotinamide adenine di-  
nucleotide content in rat tissues during rest and mus-  
cular activity. G. P. Fedorova. Ukr. biokhim. zhur.  
37 no. 1:91-96 '65.

#### ADENOSINE

Separation on ionites and purification of adenosine and  
inosine 5'-phosphate esters V. Z. Gorkin Sovr.  
metod. v biokhim. 1:250-269 '64.

#### ADENOSINE TRIPHOSPHATES

Adenosine triphosphate/creatinine-phosphotransferase  
activity in the muscles and blood during muscular  
activity. L. V. Maksimova Ukr. biokhim. zhur. 37  
no 1:131-136 '65

Functional relation between adenosine triphosphate and  
leaf movement in Mimosa pudica. M. N. Liubimova and  
others. Dokl. AN SSSR 161 no. 4:964-967 Ap '65.

Increase of adenosine triphosphate in the working skele-  
tal muscle T. A. Alilik. Biol. okean biol. i med. 59  
no 1:30-42 Ap '65

#### ADENOSINE TRIPHOSPHATASE

Age-related changes in the content of sulfhydryl groups  
and adenosinetriphosphatase activity of myosin. O. K.  
Khyli'ko Ukr. biokhim. zhur. 37 no 1:8-13 '65.

Connection between the adenosinetriphosphatase activity  
of myosin and the content of free thiol groups in it.  
A. F. Krasnova, N. N. Iakovlev. Ukr. biokhim. zhur.  
34 no 3:422-434 '62.

Effect of cortisone injections on the adenosine triphosphate  
and adenosine diphosphate content and the adenosinetri-  
phosphatase activity in the cells of ascitic tumors.  
I. A. Bezvershenko Ukr. biokhim. zhur. 37 no. 1:70-75  
'65.

Study of the course of adenosinetriphosphatase reaction  
by the appearance of hydrogen ions in the medium.  
G. N. Zatepina, S. E. Shnol' Biophysika 10 no. 1 37-41  
'65

#### ADENOVIRUSES

Various possibilities of using the hemagglutination and  
hemagglutination inhibition reactions with adenoviruses.  
R. S. Droizin and others Vop. virus. 10 no 1:11-17  
Ja-F '65.

#### ADHESION

Autohesion of polyethylene. B. P. Shtarkman, S. S.  
Voinitskii, V. A. Kargin Vysokom. soed. 7 no 1:135-140  
Ja '65

Autohesion of polyethylene B. P. Shtarkman, S. S.  
Voinitskii, V. A. Kargin. Vysokom. soed. 7 no 1:141-  
144 Ja '65

Nature of adhesion of polymeric materials. V. E. Gul',  
L. L. Fomina Vysokom. soed. 7 no. 1:45-49 Ja '65.

#### ADHESIVES

Adhesives for linear labeling machines. V. I. A. Krasnaya  
and others. Kons. i ov. prom. 20 no. 4:31-32 Ap '65.

ADMINISTRATION OF JUSTICE see Justice, Administra-  
tion of

#### ADMINISTRATIVE ACTS

(see also subdivision under Ukraine)

Legal acts of the economic councils of the economic  
regions of the R. S. F. S. R. G. E. Petukhov, Uch. zap.  
VNIISZ no 2:77-100 '64.

#### ADMINISTRATIVE ECONOMIC COUNCILS

Legal acts of the economic councils of the economic  
regions of the R. S. F. S. R. G. E. Petukhov, Uch. zap.  
VNIISZ no 2:77-100 '64.

#### ADOLESCENCE

What kind of people are adolescents? I. Blinkov.  
Sov. psichologii 21 no. 10:32-33 My '65

#### ADOPTION

Replies to questions. Sov. ist. 28 no. 12:30-31 Je '64.

#### ADRENAL CORTEX

Daily fluctuations of the functional state of the adrenal  
cortex in hypertension. M. A. Alekperov. Azerb.  
med. zhur. 42 no. 1:27-32 Ja '65.

Effect of some amino acids on the function of the hypophy-  
sis/adrenal cortex system N. A. Udintsev, Ukr.  
biokhim. zhur. 37 no. 1:117-121 '65.

#### ADRENAL CORTEX—AGING

Androgenous and glyco-corticoid function of the adrenal  
cortex in the process of aging. V. I. Bekker. Vop. geron.  
i geriat. 4:221-224 '65.

#### ADRENAL GLANDS

Activity of 21- and 11  $\beta$ -hydroxylases in the adrenal  
glands of rabbits following repeated administrations of  
ACTH. N. A. Iudaev, M. S. Morozova. Probl. endok.  
i gorm. 11 no. 1:81-87 Ja-F '65.  
Adrenocorticotrophic activity of hypophysis and the re-  
activity of adrenal glands to ACTH at different time  
after partial decortication of brain hemispheres in rats.  
I. I. Ivanova. Nauch. dokl. vys. shkoly; biol. nauk 1 no. 2:  
64-68 '65.

#### ADRENAL GLANDS—DISEASES

Role of the hypophysis in the development of hyper-  
trophy of the adrenal glands in hypervitaminosis A in  
rats. A. O. Natanson, N. I. Mitashova, A. V. Chuvaev.  
Probl. endok. i gorm. 11 no. 1:87-92 Ja-F '65.



## 1864

## AGRICULTURAL CONTRACTS see Contracts, Agricultural

## AGRICULTURAL LIBRARIES

(see also subdivision under Moldavia, Novosibirsk Province; Yaroslavl Province)

To meet the season of spring, A. Mjanev Bibliotekar' 42 no. 3, 8-10 Mr '65

## AGRICULTURAL MACHINERY

(see also subdivision under Germany, East)

Analysis of using tractor depot N. Artemenko Ekon sel'khoz 10 no. 4 13-47 Ap '65.  
Calculating means of mechanization for sowing grain crops V. Samukov, I. Ignatov Tekh v sel'khoz 25 no. 1 58-61 Ap '65

Creators of agricultural machinery P. I. Pluksh Shkola i proizv 9 no. 4 79-85 Ap '65

For promoters of farm mechanization. Inform. biul. VDNKH no. 10-27-28 O '63.

New exhibits. Inform. biul. VDNKH no. 10-28-30 O '63.  
Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva nechenno-zemnoi zony SSSR. [Sbornik nauchnykh rabot aspirantov. Pod red. F. A. Opelko Minsk, Uizhail, 1963. 145 p.] [MICROFILM]

## AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur.: Tiakt. i sel'khoz. mash. i orud. no. 5 My '65.

## AGRICULTURAL MACHINERY—CONGRESSES

The 10th conference on agricultural machinery T. I. Egorova. Tiakt. i sel'khoz. mash. no. 3-48 Mr '65

## AGRICULTURAL MACHINERY—HYDRAULIC EQUIPMENT

Characteristics of kinematic and power calculations of the mechanism of the hydraulic drive of mounted agricultural implements. IU, M. Polshchuk. Tiudy Oren sel'khoz inst 14-84-98 '63  
Restoring the pumps of hydraulic equipment A. Solov'ev. Tekh v sel'khoz 25 no. 1:89 Ap '65

Shmygelski, N. A. [Operation of hydraulic systems of agricultural machinery] Eksploatatsiia gidrosistem sel'skokhoziaistvennykh mashin. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1961. 60 p. [DNAL MICROFILM]

## AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Irkutsk Province; Transcaucasia)

Legal regulations concerning the repair of farm machinery need improvement. R. Khalifa, G. Khalidas. Sov. iust 20 no. 10:6-9 My '65.

Restoring high-pressure flexible hoses. A. Semiletov. Tekh. v sel'khoz 25 no. 4:87-88 Ap '65

Small-size gas generators. L. Troshenko. Tekh. v sel'khoz 25 no. 4:87 Ap '65

Ways of alloying in build-up welding with a weaving arc method. IU, G. Kazak. Tiudy Oren sel'khoz. inst. 14:55-59 '63.

## AGRICULTURAL MACHINERY—RESEARCH

Condition for the sliding of a body on a plane in the presence of the forces of adhesion. V. A. Bakmutov. Tiudy Oren sel'khoz. inst. 14:5-13 '63

## AGRICULTURAL MACHINERY—STANDARDS

Standardization of units and parts of agricultural machinery. I. P. Babukov. Standartizatsiia 20 no. 3 31-36 Mr '65.

## AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Ukraine)

For rural mechanization promoters. Inform. biul. VDNKH no. 5-31 My '64

Suggestions for rural innovators Izobr. i izn. no. 4 '65.

## AGRICULTURAL MACHINERY INDUSTRY

(see also subdivision under Rostov-on-Don; Ukraine)

Main trends in the development of agricultural machinery manufacturing. O. Kononov. Vop. ekon. no. 5:3-14 My '65.

## AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

Secure a sharp increase in the output of agricultural equipment. Stan i instr. 36 no. 5:1 My '65.

## AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

## AGRICULTURAL MUSEUMS see subdivision under Moscow

## AGRICULTURAL POLICY

(see also subdivision under Nigeria)

Along the Lenin path. N. Karotamm. Ekon. sel'khoz. 40 no. 4 10-17 Ap '65.

Several problems of the upsurge in agriculture. S. Kolesnev. Ekon. sel'khoz. 10 no. 4 18-23 Ap '65  
Sue way for strengthening the economies of collective and state farms. Tekh v sel'khoz 25 no. 4 1-5 Ap '65

## AGRICULTURAL PRICES—CONGRESSES

Scholar discusses the most important problems of price determination B. Iapan, N. Tiaplin. Ekon. sel'khoz 40 no. 4 24-27 Ap '65

## AGRICULTURAL PROCESSING

Elemento, V. D. [Storage and processing of onion and garlic] Khranenie i pererabotka luka i chesnoka. Moskva, Ekonomika, 1965. 110 p.

## AGRICULTURAL RESEARCH

The road to the new earth. N. P. Gorbunov. Priroda 54 no. 4:4-5 Ap '65.

## AGRICULTURAL WAGES

(see also subdivision under Europe, Eastern; Samarland Province)

Experimental wage systems on collective and state farms. G. Volosenkov. Ekon. sel'khoz. 10 no. 4 120-125 Ap '65

Paying wages to state-farm workers according to their qualifications. V. Iusupov. Vop. ekon. no. 5:133-136 My '65.

## AGRICULTURAL WORKERS

(see also subdivision under Turkmenistan)

Ponderings of a chairman. I. Bobrov. Sov. profsoyuzy 21 no. 11:8-9 Je '65.

## AGRICULTURAL WORKERS—EDUCATION AND TRAINING

see subdivision under Kabardin-Balkar A.S.S.R.; Kuybyshev District; Lugansk Province

## AGRICULTURE

(see also subdivision under Balashov District; Chechen-Ingush A.S.S.R.; Georgia; Siberia, Western; Ukraine)

Akademiia nauk URSS, Kiev. Institut ekonomiki.

[Problems of economics and statistics] Pytaniia ekonomiki i statistiki. Kyiv, Naukova dumka, 1965. 231 p.

Developing a food supply base in the non-Chernozem zone of the R.S.F.S.R. N. Itskov. Vop. ekon. no. 5: 22-25 My '65.

Exhibition of special items Inform. biul. VDNKH no. 5 23-31 My '64.

Exhibitions and displays of special items. Inform. biul. VDNKH no. 10:24-27 O '63.

Gardening, viticulture and bee culture at the Exhibition of the achievements of the National Economy in 1964 N. P. Babayev. Inform. biul. VDNKH no. 5 20-21 My '64.

Great exploit of Soviet peasantry. N. Anisimov. Ekon. sel'khoz 40 no. 5:1-8 My '65.

Intensification of agriculture in the U.S.S.R. G. E. Tkachenko. Trudy Khar. med. inst. no. 38:11-15 '67.

It is a matter of trade unions' honor. Sov. profsoyuzy 21 no. 10:1 My '65.

## AGRICULTURE—ACCIDENTS see subdivision under Virgin Territory

## AGRICULTURE—ACCOUNTING

(see also subdivision under Kakhovka District)

Analysis of using tractor depot N. Artemenko. Ekon. sel'khoz 40 no. 4 43-47 Ap '65

[Manual on accounting on state farms and other state agricultural enterprises] Spravochnik po bukhalterskomu uchetu v sovkhkhakh i drugih gosudarstvennykh sel'skokhoziaistvennykh predpriatiakh. Moskva, Knos, 1965. 415 p.

## AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

## AGRICULTURE—BY-PRODUCTS

Kolotylo, D. M. [Agricultural production wastes as valuable raw materials for the chemical industry] Vychody sil'skokhospodars'koho vyrobnytstva—tsinna syrovyna dlia khimichnoi promyslovosti. Kyiv, Tovarystvo dlia poshyrennia polit. i nauk. znani URSS, 1961. 34 p.

## AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under France; Lithuania; White Russia)

Consistent deepening of specialization as the most important condition for the intensification of agricultural production S. G. Kolesnev, IU. F. Vekiser. Izv. TSKHA no. 5 27-38 '64.

Coordinating conferences of agricultural economists. M. Makarov, I. Sinitsyn. Ekon. sel'khoz 40 no. 5 122-125 My '65.

Economic problems of the intensification of agricultural production. S. S. Sergeev. Izv. TSKHA no. 5 3-26 '64.

Problems of improving the economic incentives for developing agricultural production. Vop. ekon. no. 5: 120-130 My '65.

Scientific bases of teaching economic disciplines in agricultural institutions of higher learning. V. Nemisov. Ekon. sel'khoz 40 no. 4:94-101 Ap '65.

Strengthening the economy of collective and state farms is the concern of the whole party and the entire nation Ekon. sel'khoz. 40 no. 4 1-9 Ap '65

The 12th Conference of the International Association of Agricultural Economists K. Obolenskii Vop. ekon. no. 5:155-159 My '65

Unsolved problems of teaching the "Economics of socialist agriculture" course K. Nemets Ekon. sel'khoz 40 no. 5 92-98 My '65

## AGRICULTURE—EXPERIMENTATION

Interesting experiment IU. V. Sherstukov Shkola i proizv 9 no. 5:19-20 My '65.

Training of students for experimental work A. A. Novikov. Shkola i proizv. 9 no. 5:79-81 My '65.

## AGRICULTURE—FINANCE

(see also subdivision under Bulgaria)

Analysis of the profitability of agricultural production. V. Khebnikov. Vest. stat. no. 5:19-28 '65

Determining the net income in planning the state delivery prices. V. Boev Ekon. sel'khoz 40 no. 4 27-32 Ap '65

For the efficient use of capital investments in agriculture. A. Volovik Ekon. sel'khoz 40 no. 5 56-63 My '65

Unik, I. B., and K. A. Miasluk. [Financing and issuing credit for capital investments in agriculture] Finansirovanye i kreditirovaniie kapital'nykh vlozhenii v sel'skoe khoziaistvo. Moskva, Finansy, 1965. 206 p.

Planning in agriculture. Fin. SSSR 30 no. 5:83 My '65.  
Some problems of financing and issuing credit to agriculture under the new conditions. S. Nedelin Fin. SSSR 30 no. 5 12-22 My '65.

State purchasing prices and optimal profitability I. Lukinov Ekon. sel'khoz. 40 no. 4 32-36 Ap '65.

## AGRICULTURE—LABOR PRODUCTIVITY

(see also subdivision under Ukraine; Virgin Territory)

Change in the level and structure of labor expenditure on collective farms during the increase of the intensification of agricultural production. M. P. Vasilenko. Izv. TSKHA no. 5:38-52 '64.

## AGRICULTURE—MAPS

Iurovskii, I. A., and others. [Agricultural mapping of the area of a collective and state farm agricultural administration (an administrative region)] Sel'skokhoziaistvennoe kartografirovaniie territorii proizvodstvennogo kollektiva-sovkhkhovnogo upravleniia (Administrativnogo raiona). Pod red. I. A. Iurovskogo. Moskva, Nedra, 1965. 46 p

## AGRICULTURE—STUDY AND TEACHING

(see also subdivision under Mar'inskaya, Stavropol Territory; Virgin Territory; White Russia)

Complex practical work of students D. P. Shirokikh. Shkola i proizv. 9 no. 5:81-82 My '65.

Instruction in the progressive cultivation of agricultural crops. I. G. Kitaev Shkola i proizv. 9 no. 4:35-38 Ap '65

Let's develop and improve the work of brigades. A. V. Alekseev. Shkola i proizv. 9 no. 5:20-23 My '65.

Students' agricultural work in winter P. A. Zavliayev. Nach. shkola 33 no. 2 91-92 F '65

Study of progressive experience. M. F. Lobov Shkola i proizv. 9 no. 5:83-85 My '65.

Supervision of student brigades. I. P. Dulla Shkola i proizv. 9 no. 5:12-14 My '65.

10 years of study and work. A. N. Pal'tseva. Shkola i proizv. 9 no. 5:7-12 My '65.

Young experimenters help villagers. R. P. Solovova. Shkola i proizv. 9 no. 4:32-35 Ap '65.

## AGRICULTURE—TECHNOLOGICAL INNOVATIONS

Earth-winter-chemistry. Izobr. i izn. no. 5:16-17 '65.

## AGRICULTURISTS see subdivision under Donets Valley

## AHUND-ZADE, FETH ALI, 1812-1878

Dzhafarov, Dzhafar, ed. [M. F. Akhundov and the theater] M. F. Akhundov teatr. Baku, Izd. Azerbaidzhan-skogo teatr. ob-va, 1962. 23 p. illus. [In Azerbaijani and Russian] (NNC)

## AIR—MICROBIOLOGY

Karpukhin, G. I. [Bacteriological examination and disinfection of the air] Bakteriologicheskoe issledovanie i obezazharzhanie vozdukh. Moskva, Medgiz, 1962. 255 p.

## AIR—PURIFICATION

Karpukhin, G. I. [Bacteriological examination and disinfection of the air] Bakteriologicheskoe issledovanie i obezazharzhanie vozdukh. Moskva, Medgiz, 1962. 255 p.

## AIR, IONIZED—PHYSIOLOGICAL EFFECT

Ionizing the air in poultry houses for laying hens. N. M. Komarov, K. P. Semenov. Dokl. Akad. sel'khoz. nauk no. 2:27-28 F '65

**MOISTURE OF** see Humidity

**R COMPRESSORS**  
 Leakage in the compressor of a free-piston gas producer. V I Evenko. *Izv. vys. ucheb. zav., mashinostroy.* no. 118-132 '65.  
**Surzin, V. A., and Yu. A. Tseitlin.** [Pneumatic equipment in mines] *Rudnichnye pnevmaticheskie ustanovki*, Moskva, Nedra, 1965. 315 p.

**R CONDITIONING**  
**Okorin, O. I. A.** [Evaporation cooling systems for air conditioning] *Ispytaniye okhlazhdeniya dlya tseloi konditsionirovaniya vozdukh*, Moskva, Stroizdat, 1965. 158 p.

**R CONDITIONING—AERODYNAMICS**  
 Nomogram for determining the air flow rate in a round duct. O. V. Vavilin. *Khol. tekhn.* 42 no. 2:75-76. *Mir*, Ap '65.

**R CONDITIONING—PATENTS**  
**Franklin, M. M.** [Special purpose refrigerating machinery and air-conditioning plants and systems for their regulation] *Khlofodil'nye mashiny i ustanovki konditsionirovaniya vozdukh* spetsial'nogo naznacheniya i sistemy ikh regulirovaniya. Moskva, Tsentr. nauchno-issl. in-1 patentnoi informatsii i tekhniko-ekonomicheskikh issledovaniy, 1964. 26 p. (Obzor otchestvennykh i zarubezhnykh izobreteniy)

**R DEFENSES, CIVIL**  
 For the active city. A. Bulanov. *Voenn. znaniya*, 41 no. 5:13. *My* '65.  
 A weighty contribution to victory. G. Malinin. *Voenn. znaniya*, 41 no. 5:10-12. *My* '65.

**R FORCES** see subdivision 'Air force' under United States

**R PILOTS**  
 Great honor. N. Kuz'min. *Kryl. rod.* 13 no. 3:3. *Mir* '62.

**R PREHEATERS**  
 Selection of air heating temperatures taking into account unification demands. S. I. Mochan, L. F. Apatovskii, I. N. Komisarovich. *Teploenergetika* 12 no. 3:37-42. *Ap* '65.

**R WARFARE—STUDY AND TEACHING**  
 At a low altitude. I. Manteyev. *Av. i kosm.* 47 no. 6:10-21. *Je* '65.  
 Commander takes a decision. F. Vazhin. *Av. i kosm.* 47 no. 6:18-14. *Je* '65.  
 In training as in combat. *Av. i kosm.* 47 no. 6:2-7. *Je* '65.  
 Tactical mission has been received in the air. K. Telegin. *Av. i kosm.* 47 no. 6:15-16. *Je* '65.

**IRLINES**  
 Annular airlines. A. Musachian, A. Miroshnikov. *Giz. bud. av.* 22 no. 2:26-27. *F* '65.

**IRPLANES—ENGINES—ABSTRACTS**  
 [Aircraft and rocket engines] *Ref. zhur.*: *Av. i raket. dvig.* no. 5. *My* '65.

**IRPLANES—EQUIPMENT AND SUPPLIES**  
 Altitude equipment of airplanes. E. Sofronov. *Kryl. rod.* 13 no. 3:20-31. *Mr* '62.  
**Khesin, M. A.** [Takeoff and landing devices for airplanes, survey of foreign patents] *Vzletno-posadochnyye ustroystva dlya samoletov; obzor inostrannykh patentov*. Moskva, Tsentr. nauchno-issl. in-1 patentnoi informatsii i tekhniko-ekon. issledovaniy, 1963. 35 p. [MICROFILM]

**IRPLANES—FLIGHT TESTING**  
 During and after flights; from a test pilot's notes. M. Gallai. *Nov. mir.* 41 no. 2:92-143. *F* '65.

**IRPLANES—HYDRAULIC EQUIPMENT**  
 Investigating hydraulic impact applicable to aircraft hydraulic systems. B. S. Rozhdenskiy. *Izv. vys. ucheb. zav., av. tekhn.* 8 no. 2:138-146. '65.

**IRPLANES—JET PROPULSION**  
**Shevtakov, A. A.** [Automatic control of aircraft and rocket power plants] *Avtomatika aviatsionnykh i raketnykh silovykh ustanovok*. Izd. 2., pereizd. dop. Moskva, Mashinostroyeniye, 1965. 546 p.

**IRPLANES—LUBRICATION**  
 Production and comparison of the quality of aviation lubricants obtained by different refinery processing. R. Sh. Kulov, G. T. Musayev. *Azerb. khim. zhur.* no. 3:21-27. '64.

**IRPLANES—MODELS**  
 (see also subdivision under Czechoslovakia; Sanchursk, Kirov Province)  
 Always in search. M. Lebedinskiy. *Kryl. rod.* 16 no. 3:25-26. *Mr* '65.  
 Assistance to airplane model builders. *Kryl. rod.* 16 no. 3:insert 1-8. *Mr* '65.

Changes in the sports code. *Kryl. rod.* 16 no. 3:30. *Mr* '65.  
 Rubber-membrane model of the "Chaika" airplane. *Kryl. rod.* 16 no. 3:10. *Mr* '65.  
 Screen-type plane. B. Bilinov. *Izobr. i rats.* no. 3:18-19. '65.  
 Trian persistently. E. Smirnov. *Kryl. rod.* 16 no. 3:27-29. *Mr* '65.

**AIRPLANES—MODELS—RADIO CONTROL**  
 Radio equipment for proportional control of an airplane model (conclusion). A. Dmitriyev, V. Semenov. *Kryl. rod.* 13 no. 3:26-28. *Mr* '62.

**AIRPLANES—TURBOJET ENGINES**  
 Consumption and pressure characteristics of the mixing chamber of a bypass turbojet engine. E. D. Sten'kin. *Izv. vys. ucheb. zav., av. tekhn.* 8 no. 2:115-120. '65.

**AIRPLANES—WINGS**  
 Distribution of a concentrated force along the wing ribs. I. A. Sverdllov. *Izv. vys. ucheb. zav., av. tekhn.* 8 no. 2:34-39. '65.

**AIRPLANES, MILITARY—ENGINES**  
 Characteristics of the operation of the L-29 airplane engine. G. I. Armolovich. *Av. i kosm.* 47 no. 6:47-72. *Je* '65.

**AIRPLANES, MILITARY—FIELD OF VIEW**  
 Visual orientation today. T. Khlobystov. *Av. i kosm.* 47 no. 6:54-56. *Je* '65.

**AIRPLANES, MILITARY—FLIGHT TESTING**  
 Our flight-testing station. L. Kazachkov. *Av. i kosm.* 47 no. 6:73-78. *Je* '65.

**AIRPLANES, MILITARY—MAINTENANCE AND REPAIR**  
 Save fuel and take care of equipment. M. Mukhin, G. Armeev. *Av. i kosm.* 47 no. 6:85-86. *Je* '65.  
 This can be prevented. V. Aleksandrov. *Av. i kosm.* 47 no. 6:62-64. *Je* '65.

**AIRPORTS**  
 (see also subdivision under Moscow)  
**Dakhno, V. P.** [Combined passenger stations and railroad terminals] *Ob'edinenyye passazhirskiestantsii i vokzaly*. Kiev, Budiveln'nykh, 1965. 77 p.

**AIRPORTS—MAINTENANCE AND REPAIR**  
 Give more attention to the machinery for the maintenance and repair of roads and airports. A. A. Vasil'ev, V. V. Iakunina. *Stroi. i dor. mash.* 10 no. 3:25-28. *Mr* '65.

**AIRSHIPS** see subdivision under Novosibirsk

**AKAEVSKII, ANATOLII IVANOVICH, 1893-**  
 Anatolii Ivanovich Akayevskii: on his 70th birthday and the 45th anniversary of his scientific, pedagogical and civic activities. P. A. Glagolev. *Arkh. anal. i gist. i embri.* 48 no. 4:126-127. *Ap* '64.

**AKHANGARAN VALLEY—LOESS**  
 Zoning of loess in the Akhangaran Valley. E. M. Kadyrov. *Uzh. geol. zhur.* 9 no. 1:79-83. '65.

**AKHMATOVA, ANNA ANDREEVNA, 1888-**  
 "The future, having matured in the past", a talk with Anna Akhmatova. *Vop. lit.* 9 no. 4:183-189. *Ap* '65.

**AKHUNDOV, MIRZA FATALI** see Akhund-Zade, Fath Ali, 1812-1878

**AKMOL'DNSK** see Tselinograd

**AKTYUBINSK PROVINCE—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION**  
 Behind annual report data. V. Amosova, D. I. Avorskiy. *Nar. khoz. Kazakh.* 23 no. 4:18-22. *Ap* '65.

**AKTYUBINSK PROVINCE—SOLONCHETZ SOILS**  
 Economic effectiveness of the reclamation of Solonchets soils in the semidesert zone of Aktyubinsk Province. S. Kultayev. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:3-7. *Ap* '65.

**ALAGEZ, MOUNT** see Aragats, Mount

**ALANINE**  
 Effect of herbicide 2M-4X on the free alanine content in corn plant. Z. P. Parshakova, S. M. Mashtakov. *Vest. AN BSSR. Ser. biol. nav.* no. 1:59-64. '65.  
 Effect of vitamin E and phenylalanine on the ubiquinone content in the liver of normal and  $\alpha$ -avitaminous rats. H. V. Donchenko, R. V. Chabovetskiy. *Ukr. biokhim. zhur.* 37 no. 1:82-90. '65.  
 Reaction of phosphorus pentachloride with isopropylamine and  $\alpha$ -alanine. I. N. Zhmurova, B. S. Drach. *Zhur. ob. khim.* 35 no. 4:718-723. *Ap* '65.  
 Synthesis of  $\beta$ -(pentafluorophenyl)alanine. G. V. Shishkin, V. P. Mamaev. *Izv. AN SSSR. Ser. khim.* no. 5:934. '65.

**ALASKA, GULF OF—HYDROLOGY**  
 Hydrological characteristics of the Gulf of Alaska. A. F. Plakhotnik. *Trudy VNIRO* 19:17-50. '61.

**ALASKA, GULF OF—MARINE FAUNA**  
 Quantitative distribution of the bottom fauna in the Gulf of Alaska. V. V. Shevtsov. *Trudy VNIRO* 19:107-112. '64.

**ALASKITE** see subdivision under Koryzhintau

**ALATAU, DZUNGARIAN** see Dzungarian Alatau

**ALATAU, KUZNETSK** see Kuznetsk Alatau

**ALATAU, ZAILIYSKIY** see Trans-Ili Alatau

**ALBANIA—HISTORY**  
 Alibi, G. L., I. G. Senkevich, and N. D. Smilnova. [A brief history of Albania] *Kratkaya istoriya Albani*. Pod red. A. F. Millera. Moskva, Nauka, 1965. 261 p.

**ALBITE**  
 Albitization of feldspars in the argillization of rocks. G. T. Volostnykh. *Zap. Vses. min. ob.-va* 94 no. 2:236-239. '65.  
 Decomposition of albite and microcline in caustic soda solutions. V. S. Sazhin, V. E. Demisevich, A. I. Volkovskaya. *Ukr. khim. zhur.* 31 no. 1:379-384. '65.

**ALBITITE** see subdivision under Pechora Valley

**ALBUMIN**  
 Effect of radioprotective substances on the prolonged afterglow of irradiated solutions of serum albumin. I. I. Sapezhinskiy, I. U. Silaev. *Dokl. AN SSSR* 162 no. 3:691-693. *My* '65.  
 Obtaining tryptic hydrolysates from milk and serum albumins for growing tissue cultures. L. N. Shoshkov. *Ukr. biokhim. zhur.* 34 no. 3:307-303. '62.  
 Spectral and photochemical properties of chlorophyllin in interaction with albumin. A. V. Kariakin, L. A. Chmutina. *Dokl. AN SSSR* 162 no. 1:208-210. *My* '65.

**ALCHEDARY REGION (MOLDAVIA)—ANTIQUITIES**  
 Excavations of burials in stone boxes near the Alchedary village in 1963. A. L. Nikitin, V. I. Levin. *Krat. soob. Inst. arkheol.* no. 103:75-79. '65.

**ALCHEMILLA** see subdivision under Ural Mountains

**ALCOHOL**  
 Combined process of alcohol sulfation and dodecyl benzene sulfonation. I. S. Sukhoterov, I. G. Agranovich. *Mashin. i prom.* 31 no. 3:30. *Mr* '65.

**ALCOHOL—ANALYSIS**  
 Possibility of an interferometric determination of alcohol in water-alcohol solutions. A. F. Fedorov. F. F. Koryeva, V. T. Milnikov. *Fiz. i spets. prom.* 31 no. 3:10-11. '65.

**ALCOHOLATES—SPECTRA**  
 Infrared absorption spectra of the alcoholates of beryllium, magnesium, and alkaline earth metals. A. I. Grits'kov, N. I. Turova. *Dokl. AN SSSR* 162 no. 1:98-101. *My* '65.

**ALCOHOLISM**  
 Obshchestvo "Znanie" RSFSR. [Overcoming of the vestiges of the past and crime prevention] *Preodoleniye perezhitkov proshlogo i bor'ba s prestupnost'yu; sbornik statei*, Moskva, 1964. 61 p. (V pomoshch' lektoru) [MICROFILM]

**ALCOHOLS**  
 Alkoxy compounds. Part 14: Pyrolysis and catalytic de-alcoholation of methyl- $\alpha$ -propoxyethyl and  $\alpha$ -isopropoxyethylmalonic acids. A. V. Bogatskiy, G. V. Plankova. *Zhur. ob. khim.* 35 no. 4:619-621. *Ap* '65.  
 Chemistry of polyene and polyacetylene compounds. Report No. 12: Hydration of tertiary alcohols and glycols of the diacetylenic series. B. P. Gusev, I. I. Nazarova, V. F. Kucherov. *Izv. AN SSSR. Ser. khim.* no. 4:688-692. '65.  
 Compressibility and molecular structure of liquids. Part 2. N-alcohols and their solutions. O. Z. Holyk, I. I. Adamenko. *Ukr. fiz. zhur.* 10 no. 5:558-562. *My* '65.  
 Highly unsaturated polymers. Report No. 13: Monotonic and diatomic alcohols, derivatives of p-dioxybenzene. L. B. Fisher, I. L. Kotliarskiy. *Izv. AN SSSR. Ser. khim.* no. 1:237. *F* '65.  
 Kinetics of the synthesis of higher alcohols from CO and H<sub>2</sub> on a fused iron catalyst. I. U. B. Kagan and others. *Neftekhimiya* 5 no. 1:82-89. *Ja* '65.  
 Method for the transformation to sodium alkyl sulfates of alcohols obtained by the direct oxidation of liquid paraffins. A. I. Kudrinskoy, L. K. Getmanskiy. *Mashin. i prom.* 31 no. 2:37. *F* '65.  
 Processes occurring on a platinum-platinum electrode introduced into solutions of C<sub>2</sub>H<sub>5</sub>OH, n-C<sub>3</sub>H<sub>7</sub>OH, and n-C<sub>4</sub>H<sub>9</sub>OH. B. I. Podlovenchenko. *Elektrokhimiya* 1 no. 1:101-106. *Ja* '65.

## ALCOHOLS (Continued)

- Regularities in the addition of secondary amines to diacyclic alcohols. I. I. Nazarov, B. I. Gusev, V. F. Kucherov. *Izv. AN SSSR, Ser. Khim.* no. 4:720-731 '65.
- Spectrophotometric determination of primary, secondary, and tertiary higher aliphatic alcohols when present together. V. D. Kapkin and others. *Zhur. anal. khim.* 20 no. 3:364-371 '65.
- Structure and internal stresses of zinc electrodposited in the presence of alcohols. M. I. Popel'ka, V. V. Koshmanov. *Izv. vyz. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:967-972 '64.
- Structure of (-) alcohol from the reaction of  $\Delta^2$ -carene oxidation in the presence of chromic anhydride. B. A. Aibuzov, Z. G. Isaeva, M. G. Gubaidullin. *Izv. AN SSSR, Ser. Khim.* no. 4:678-684 '65.
- Synthesis of polyatomic organosilicon ether alcohols. K. A. Andrianov, L. I. Makarova. *Dokl. AN SSSR* 161 no. 4:833-835 Ap '65.

## ALDAN PLATEAU—QUARTZ

- Temperature conditions governing the formation of rock crystal in the Aldan. R. F. Sukhorakii. *Dokl. AN SSSR* 161 no. 5:1188-1190 Ap '65.

## ALDAN PLATEAU—ROCKS, IGNEOUS

- Genesis and structural position of Mesozoic alkali rocks in the central Aldan region. T. V. Molchanova. *Geotekhnika* no. 2:32-46 Mr-Apr '65.

## ALDEHYDES

- Chemistry of acetals. Report No. 16: Ways of synthesizing symmetric and asymmetric difunctional polyene compounds. L. A. Ivanovskaya, B. G. Kovalev, V. F. Kucherov. *Izv. AN SSSR, Ser. Khim.* no. 4:681-688 '65.
- Kinetics of acetalization of polyvinyl alcohol by aliphatic aldehydes in aqueous solutions. G. N. Kormanovskaya, I. N. Vlodavets. *Izv. AN SSSR, Ser. Khim.* no. 4:737-739 '65.
- Potassium and sodium salts of bis-diphenylphosphinylmethane and their reactions with aldehydes. M. I. Kabachnik, T. I. Medved', D. I. Matrosov. *Dokl. AN SSSR* 162 no. 2:339-342 My '65.
- Reaction of dialkyl amides of dialkylphosphorous acid with aldehydes. V. P. Evdokim, L. I. Mizrahi, L. I. Sandalova. *Dokl. AN SSSR* 162 no. 3:573-576 My '65.

## ALDER see subdivision under Moldova

## ALDOLASE

- Method for determining aldolase in blood serum. V. I. Tovar'nikskii. *Sovr. metod. v biokhim.* 1:303-310 '61.

## ALDOSTERONE

- Mechanisms of aldosterone secretion control; survey of the literature. B. B. Bondarenko. *Probl. endok. i gorm.* 11 no. 1:114-119 Ja-F '65.

## ALESHKOV, SERGEI ANDREEVICH

- Son of the regiment. Veronika Kononenko. *Sov. voyn.* 47 no. 6:24-25 Mr '65.

## ALEXANDER The Great, 356-323 B.C.—FICTION

- Alexander the Great (Romances, etc.). [Alexandreida; a novel about Alexander the Great from a Russian manuscript of the 15th century. Translated from the Serbian] Aleksandra Iia, roman ob Aleksandriia, roman ob Aleksandre Makedonskom po russkoi rukopisi XV veka. Izd. podgotovili M. N. Dolvinnik, I. A. S. Lur'e i O. V. Tsvetkov. Moskva, Nauka, 1965. 207 p. (Literaturnye pamiatniki)

## ALFALFA

- Land improvement effectiveness of two-depth plowing in the Golodnaya Steppe. A. A. Avtonomov. *Sbor. nauch. rab. nsp SoluzNIKHI* no. 5:136-146 '64.

## ALGAE

- (see also subdivision under Kremenichug Reservoir, White Sea)

- Changes in the algal flora following the amelioration of peat bog soils. R. M. Kulikova. *Bot. zhur.* 50 no. 3:414-417 Mr '65.
- Moskovskoe obshchestvo issyiatel'ei prirody. *Sektalia gidrobiologii i ikhtologii.* [Biology of the blue-green algae] *Biologiya sine-zelenykh vodoroslei.* Pod red. V. D. Fedorova i M. M. Telichenko. [Moskva] Izd-vo Mosk. univ., 1964. 102 p.

## ALGAE—CULTURES AND CULTURE MEDIA

- Asteromonas gracilis* Artari as an object of mass cultivation. K. A. Voskresenskii, E. V. Urina. *Vest. Mosk. un. Ser. 6: Biol., pochv.* 20 no. 2:29-35 Mr-Apr '65.
- Effect of various salts and their concentrations on algal species. N. N. Bolyashev, E. A. Shina, E. N. Konnova. *Vest. Mosk. un. Ser. 6: Biol., pochv.* 20 no. 2:72-80 Mr-Apr '65.
- Intermediate products of the photosynthesis of a synchronous *Chlorella pyrenoidosa* culture at different stages of its development. R. I. A. Shkol'nik and others. *Dokl. AN SSSR* 161 no. 5:1231-1234 Ap '65.
- Microflora of the mass culture of *Chlorella*. P. T. Malakhova, L. G. Konstantinova. *Uzb. biol. zhur.* 9 no. 2:24-28 '65.

## ALGAE, FOSSIL

- (see also subdivision under Ingulets region, Dnepropetrovsk Province)

- Methods for studying stromatolites Conophyton and their stratigraphic significance. V. A. Komar, M. E. Raaben, M. A. Semikhatov. *Dokl. AN SSSR* 161 no. 5:1163-1168 Ap '65.

## ALGAE AS FOOD

- Enzymatic destruction of cell walls of protozoal algae with the purpose of raising their digestibility. Survey of literature. N. N. Boiko, N. S. Klyushkina. *IU F Kondrat'ev Vop. pl.* 23 no. 5:3-6 S-O '61.

## ALGEBRA

- El'stravova, T. A., Kh. R. Suleimanova, and A. S. Shumov. [Problems for a course in higher mathematics] *Sbornik zadach po kursu vysshei matematiki.* [Moskva] Vysshaya shkola.
- No. 4. [Vector algebra. Solid analytic geometry. Differential and integral calculation of functions of several variables] *Vektornaya algebra. Analiticheskaya geometriia v prosti anstve. Differentsial'noe i integral'noe ischislenie funktsii mnogikh peremennykh.* Izd. 2. 1962. 204 p. [MICROFILM]

## ALGEBRA—STUDY AND TEACHING

- Comparative efficiency of various outlines in the presentation of academic material. L. B. Iel'son, A. I. Kreimer. *Sov. pedag.* 29 no. 1:61-70 Ap '65.

## ALGEBRAIC FIELDS see Fields, Algebraic

## ALGEBRAIC GEOMETRY see Geometry, Algebraic

## ALGEBRAIC TOPOLOGY

- Free resolutions and intersections of primitive classes of algebras. T. M. Baranovich. *Mat. sbor.* 67 no. 1:135-153 My '65.

## ALGERIA—COMMERCE—RUSSIA

- Algeria is interested in expanding trade with the U.S.S.R. N. Delat. *Vnesh. torg.* 45 no. 5:20 '65.

## ALGERIA—COURTS

- Establishment of the judicial system of the Algerian People's Democratic Republic. I. A. Iakimovich. *Sov. iust.* 26 no. 12:24-28 Je '64.

## ALGERIA—ECONOMIC CONDITIONS

- The Algerian People's Democratic Republic. S. German. *Komm. Vooruzh. Sil.* 46 no. 7:81-84 Ap '65.
- Houari Boumedienne on Algerian economy and policy: an interview. *Nov. vrem.* 23 no. 23:10-11 Je '65.
- Reconstruction of Algerian economy. IU, Organizats. Mezhdunar. zhizn' 12 no. 5:147-149 My '65.

## ALGICIDES

- Algicidal properties of aquatic and coastal plants of Kremenichug Reservoir as related to blue-green algae *Microcystis pulverea* and *Anabaena hassallii*. A. K. Nehrash, S. O. Matvienko. *Mikrobiol. zhur.* 27 no. 2:39-42 '65.

## ALGORITHMS

- Algorithms of recognition. I. M. Fridman. *Rad. shk.* 43 no. 4:32-40 Ap '65.
- Basic algorithmic language. A. E. Kulinkovich, E. L. Iushenko. *Kibernetika* no. 2:3-8 Mr-Apr '65.
- On the conjugacy and word problems. M. Grendlinger. *Izv. AN SSSR, Ser. mat.* 20 no. 2:245-268 '65.
- One method of using algorithms in the accounting for M. R. Korolev, V. P. Ezheva. *Vop. stat. i ucheta* no. 6:5-23 '62.
- Practice in the use of algorithms for several calculations in wage distribution. I. I. Vol'son. *Vop. stat. i ucheta* no. 6:24-34 '62.
- Practice in the use of algorithms in the formation of and distribution of general factory expenditures. L. N. Ernekov. *Vop. stat. i ucheta* no. 6:35-48 '62.
- Practice in the use of algorithms in the formation of several production cost indices. A. V. Vlasov. *Vop. stat. i ucheta* no. 6:49-55 '62.
- Relaxation on surfaces having saddle-points. I. M. Glazman. *Dokl. AN SSSR* 161 no. 4:750-752 Ap '65.
- Representation of context-free languages in push-down automata. A. A. Leichevskii. *Kibernetika* no. 2:60-64 Mr-Apr '65.
- Sequential optimization algorithms and their application. Part 2. V. S. Mikhailovich. *Kibernetika* no. 2:85-89 Mr-Apr '65.

## ALICYCLIC COMPOUNDS

- Cyclic polymerization and copolymerization. Part 35: Polymerization of alicyclic vinylthiopyranol. S. G. Mateion, A. A. Saakian. *Izv. AN Arm. SSR Khim. nauki* 18 no. 1:80-87 '65.

## ALIMENTARY CANAL

- Cortical representation of the afferent systems of the alimentary tract. S. M. Zarasakia, S. S. Muslashtikova, V. N. Chernigovskii. *Zhur. vys. nerv. delat.* 15 no. 2:405-413 Mr-Apr '65.

- Mechanism of the changes in the gastric and intestinal absorptive activity under the effect of radio waves of the centimeter diapason of ultrahigh frequency on the body. V. R. Fattel'berg-Blank. *Fiziol. zhur.* 51 no. 3:372-377 Mr '65.

## ALIMENTARY CANAL—ABNORMALITIES AND DEFORMITIES

- Clinico-radiological examination of newborn infants with gastrointestinal developmental defects. G. A. Babov, S. B. Potashnikova, N. S. Mankina. *Vest. khir.* 92 no. 6:63-67 Je '64.

## ALIMENTARY CANAL—DISEASES

- Cutaneous and gastrointestinal eruptions in abdominal purpura. Kh. I. Fel'dman, R. I. Zabarva. *Vest. khir.* 92 no. 6:63-67 Je '64.
- Role of bile in the development of a gastrointestinal syndrome during an extremely acute form of radiation sickness. P. D. Gorizontov, L. L. Fedorovskii, G. A. Lebedeva. *Arkh. pat.* 27 no. 4:18-25 '65.

## ALIMENTARY CANAL—FOREIGN BODIES

- Treatment of patients with foreign bodies in the gastrointestinal tract. I. A. Bakitin. *Voen.-med. zhur.* 11:70-71 '64.

## ALIMONY see subdivision under Slavutec (Kholmitskiy Province)

## ALIPHATIC COMPOUNDS

- Phase equilibrium of some binary systems containing fatty acids compounds. N. I. Samonova, K. V. Vil'shau. *Maslohu. prom.* 31 no. 3:21-25 Mi '65.

## ALKALI LANDS see Saline and alkali soils

## ALKALI METAL HALIDE CRYSTALS

- Determining the possibility of deacimating particles of different ionization density by the pulse shape in LiI(Tl), LiI(Fu), and CsI(In) crystals. L. D. Grudakina and others. *Opt. i spekt.* 18 no. 3:450-452 Mr '65.

## ALKALI METAL HALIDE CRYSTALS—DEFECTS

- Dislocation structure of the surface layer of alkali halide single crystals. A. D. Podolskaya and others. *Dokl. AN SSSR* 161 no. 4:821-823 Ap '65.

## ALKALI METAL HALIDE CRYSTALS—ELECTRIC PROPERTIES

- Temperature dependence of the electric strength of alkali halide crystals. E. A. Konorova, L. A. Sorokina. *Fiz. tver. tela* 7 no. 5:1475-1479 My '65.

## ALKALI METAL HALIDE CRYSTALS—SPECTRA

- Photoluminescence absorption in alkali halide crystals in the 23-100 Å range. T. M. Zinkina, A. P. Lukhrakii. *Fiz. tver. tela* 7 no. 5:1455-1461 My '65.

## ALKALI METAL HALIDE CRYSTALS, EFFECT OF RADIATION ON

- Electron emission in the bombardment of single crystals of alkali halide compounds by slow helium and argon ions. A. I. Kondrashev, N. N. Petukov. *Fiz. tver. tela* 7 no. 5:1559-1561 My '65.

## ALKALI METAL HYDRIDES

- Annihilation of slow positrons in alkali metal hydrides. Part 2. A. V. Ivanova, E. P. Piskopov. *Zhur. eksp. i teor. fiz.* 46 no. 4:1155-1158 Ap '65.

## ALKALI METAL OXIDES

- Systems clinker-forming compound—water. Part 2: Influence of sodium and potassium oxides and active aluminum on the hydration in the system  $C_3A-C_4AF_3-V_2O_5$ . Chernykh, R. D., Azell'skaya, I. F., Ponomarev. *Izv. vyz. ucheb. zav., i khim. i khim. tekhn.* 7 no. 6:576-581 '64.

## ALKALI METAL SALTS

- Determination of calcium microimpurities in alkali metal and ammonium salts after a preliminary concentration of oxidized carbon. F. P. Gorbenko, I. A. Tarkovskaya, M. I. Oleviskii. *Ukr. khim. zhur.* 30 no. 6:640-643 '64.

- Differential thermal analysis of the systems  $LiNO_3-LiNO_2$ ,  $RbNO_3-RbNO_2$ ,  $CaNO_3-CaNO_2$ . P. I. Protchenko, R. P. Shisholina. *Izv. vyz. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:575-580 '64.

- Effect of alkali metal cations on the viscosity of toluene and xylene solutions. L. I. A. Gorenboim, G. G. Rustin. *Ukr. khim. zhur.* 30 no. 6:582-588 '64.

## ALKALI METAL THIOCYANATES

- Reaction of iodide with alkali metal thiocyanates without a solvent. V. S. Iakovlev. *Ukr. khim. zhur.* 31 no. 1:113-114 '65.

## ALKALI METALS

- Equilibria in the course of reactions of sodium and lithium with diphenyl and naphthalene in electron-donor solvents. A. I. Shatenshteln, E. S. Petrov, M. I. Belousova. *Dokl. AN SSSR* 161 no. 4:880-882 Ap '65.



**ALKALI METALS (Continued)**

Hydrogen overvoltage on aluminum and the inclusion of an alkaline metal. A. I. Zak, B. N. Kabanov. *Elektrokhimiya* 1 no. 1:68-71 Ja '65

Interaction of lithium adduct of benzene with  $\text{tert-C}_4\text{H}_9\text{Cl}$  and  $n\text{-C}_4\text{H}_9\text{Cl}$ . E. P. Kaplan, Z. I. Kazakov, A. D. Petrov. *Izv. AN SSSR. Ser. khim.* no. 3:537-538 '65.

**ALKALI METALS—SPECTRA**

Determination of g-factors of the second excited p-levels in alkaline metals. G. A. Zelikina, R. I. Semenov. *Opt. i spekt.* 18 no. 3:539-540 Mr '65

**ALKALIES**

Alkalimetric determination of germanium as triphenylgermanic acids. V. A. Nazarenko, A. M. Andrianov. *Ukr. khim. zhur.* 30 no. 5:620-624 '64

Mechanism of iron reduction from alkaline solutions. Part I: Reduction of iron from alkaline solutions saturated with hydrated iron oxide and from corresponding suspensions. L. I. Llamina, K. M. Gorbunova. *Elektrokhimiya* 1 no. 1:41-45 Ja '65.

**ALKALINE EARTH CARBONATES**

Preparation of finely dispersed powders of double and triple carbonates of barium strontium and calcium. A. P. Nakhodova, Z. E. Batura. *Izv. AN SSSR. Neorg. mat.* 1 no. 1:135-141 Ja '65.

**ALKALINE EARTH METALS—ANALYSIS**

Extraction-photometric determination of microimpurities of calcium in barium compounds. F. P. Gorbunov, V. V. Sachko. *Zhur. anal. khim.* 20 no. 3:309-312 '65

**ALKALINE EARTH SALTS**

Effect of two-charge cations on the process of oxygen reduction on platinum in alkaline solution. L. Müller, V. V. Sobol'. *Elektrokhimiya* 1 no. 1:111-112 Ja '65.

**ALKALOIDS**

Alkaloids of *Corydalis gortschakovi* and *Corydalis pseudodurga*. M. S. Iunusov, S. T. Akramov, S. I. Iunusov. *Dokl. AN SSSR* 162 no. 3:607-609 My '65

Alkaloids of some species of *Papaver* and *Rotunda* and the structure of fupagavin. M. S. Iunusov, V. A. Mnasakanian, S. T. Akramov. *Izv. AN SSSR. Ser. Khim.* no. 3:502-509 '65

Amino acid and alkaloid dynamics in belladonna as affected by its development. L. N. Bereznogovskaya, Z. R. Kuskova. *Nauch. dokl. vyssh. shkoly, biol. nauki* no. 2:165-169 '65

Restoration of alkaloid biosynthesis in lupine following the intervarietal crossing of alkaloidless (forage) varieties. A. V. Mironenko and others. *Vest. AN BSSR. Ser. biol. nav.* no. 1:50-73 '65.

Separation of *Lycopodium selago* alkaloids and their medicinal forms. I. H. Shvainer, P. E. Rozentsveig. *Farmatsev. zhur.* 19 no. 1:40-51 '64

Structure of thaimine and thalimidine. M. V. Telezhnetskaya, S. I. Iunusov. *Dokl. AN SSSR* 162 no. 2:354-355 My '65.

Study of alkaloids of the overground part of *Vincetoxicum*. Sh. Z. Kasymov, F. Kh. Iuldashev, S. I. Iunusov. *Dokl. AN SSSR* 162 no. 1:102-103 My '65.

**ALKANES see Paraffins****ALKENES see Olefins****ALKYL HALIDES**

Reactions of dibutyltin with alkyl halides. V. T. Bychkov, N. S. Viazankin. *Zhur. ob. khim.* 35 no. 4:687-689 Ap '65

Regularities in the values of certain thermodynamic functions of alkyl halides. D. N. Andreevskii. *Neftekhimiya* 5 no. 1:126-131 Ja-F '65.

**ALKYL IODIDES**

Alkylation of perfluoroalkyl iodides by diazomethane. I. L. Khamants, E. I. A. Pervova. *Izv. AN SSSR. Ser. khim.* no. 5:894-895 '65.

**ALKYLATION**

Alkylation of aminothiazoles. Part 3: Alkylation of 2-methylamino-4-methylthiazole. S. I. Burmistrov, V. A. Krasovskii. *Zhur. org. khim.* 1 no. 1:183-185 Ja '65.

Alkylation of perfluoroalkyl iodides by diazomethane. I. L. Khamants, E. I. A. Pervova. *Izv. AN SSSR. Ser. khim.* no. 5:894-895 '65.

Alkylation of phenol and p-cresol with cyclohexyl and cyclopentyl chlorides. A. R. Abdurassulova, K. N. Akhmedov. *Uzb. khim. zhur.* 8 no. 5:31-37 '64

Alkylation of toluene with diisobutylene. S. D. Mekhtiev, M. M. Liushin. *Izv. vys. ucheb. zav. i nauch. i gaz.* 3:61-64 '65

Investigating a reaction of the haloalkylation of benzene and its homologs with haloalkyl compounds with a catalyst on a base of boron fluoride. Ibragim Galal, I. A. M. Pauskhin. *Trudy MINKHGP* no. 44:78-80 '63.

Isomerization and fragmentation of carbenium ions during sulfate alkylation. B. V. Ioffe, B. V. Stoltarov. *Dokl. AN SSSR* 161 no. 6:1339-1341 Ap '65.

**ALLERGY**

Antigen composition of streptococcal allergen. M. N. Smirnova. *Zhur. mikrobiol. epid. i immun.* 41 no. 10:37-43 '64

ALLEVARDITE see subdivision under Tajikistan

**ALLIANCE FOR PROGRESS**

Solicitations of the monopolies. A. Kartsev. *Mezhdunar. zhizn'* 12 no. 5:129-130 My '65.

ALLOCLASE see subdivision under Caucasus

**ALLOXAZINE**

Alloxazine and isalloxazine series. Part 13: Synthesis of 7-aminalloxazine, 7-amino (demethyl) riboflavin and their derivatives. V. M. Berezovskii, L. S. Tulchinskaya, N. A. Poliakova. *Zhur. ob. khim.* 35 no. 4:673-677 Ap '65.

Azo derivative of alloxazine and isalloxazine containing the bis ( $\beta$ -chloroethyl) amino group. L. F. Petrova, Z. V. Pushkareva, V. I. Griaev. *Zhur. org. khim.* 1 no. 1:200 Ja '65

**ALLOYS**

Basic problems in alloying semiconductors. N. Kh. Abrifosov. *Izv. AN SSSR. Neorg. mat.* 1 no. 1:11-15 Ja '65.

Magnetic alloys for operation at high temperatures. G. V. Pahechenkova, A. D. Skokov. *Elektrichestvo* no. 4:81-83 Ap '65.

Microstructure of alloys of the systems  $\text{Bi}_2\text{Se}_3\text{-Sb}_2\text{Te}_3$ ,  $\text{Bi}_2\text{Te}_3\text{-Sb}_2\text{Se}_3$  and solubility of  $\text{Bi}_2\text{Te}_3$  in  $\text{Sb}_2\text{Se}_3$ . K. K. Pakina, V. G. Kuznetsov. *Izv. AN SSSR. Neorg. mat.* 1 no. 1:68-76 Ja '65.

Sholkin, A. E. [Outline of lectures on individual parts of the course "New materials in industry"] *Konspekt lektsii po otbelen'nykh razdelam kursa "Noye materialy v tekhnike."* Moskva, Mosk. in-t inzhenerov zhel-dor. transp., 1963, 90 p.

[MICROFILM]

**ALLOYS—ANALYSIS**

Complexometric analysis of some binary alloys. O. I. Popova, I. N. Godovannaya. *Zhur. anal. khim.* 20 no. 3:355-358 '65.

**ALLOYS—BRITTLENESS**

Investigating the mechanism of deformation and brittle failure of transition metal alloys on a base of the group VIA metals. I. V. Mil'man, A. P. Rachev, V. I. Trefilov. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20:3-24 '64

**ALLOYS—ELECTRIC PROPERTIES**

One mechanism underlying superconductivity in alloys. B. T. Goltzman. *Zhur. eksp. i teor. fiz.* 48 no. 4:1194-1197 Ap '65

**ALLOYS—METALLOGRAPHY**

Certain chair acle lattices of the crystallization of supercooled binary alloys. D. S. Kamenetskaya, I. P. Rakhmanova, E. Z. Spektor. *Fiz. met. i metalloved.* 18 no. 4:583-591 Ap '65

Compounds with the  $\text{AlB}_2$ -type structures in the system Ce - Ni - Si and related systems. I. I. Gladysheva, O. I. Bodak. *Dop. AN URSSR* no. 5:601-604 '65.

Crystal structure of ternary  $\text{SeCoAl}$  and  $\text{SeNiAl}$  compounds. M. I. Tesluk, V. S. Plotnikov. *Dop. AN URSSR* no. 5:599-601 '65

Theory of the ordering of alloys with a lattice parameter depending on the composition and degree of order. Z. A. Maysina, A. A. Smirnov. *Sbor. nauch. i trud. Inst. metallofiz. AN URSSR* no. 19:136-147 '64.

Theory of the ordering of binary alloys with a body-centered cubic lattice having interstitial atoms of a third element. V. I. Ryzhkov. *Sbor. nauch. i trud. Inst. metallofiz. AN URSSR* no. 20:133-147 '64.

**ALLOYS—THERMAL PROPERTIES**

Heat capacity of binary alloys in the solidification interval. M. I. Dubovis. *Lit. proizv.* no. 6:32-35 Je '64.

ALLUVIUM see subdivision under Donets Valley

**ALLYL ALCOHOL**

Certain reactions of perfluoromethyl-3,3-dihydroperfluorallyl ester. V. A. Gubanov, A. V. Tumanova, I. M. Dolgopolskii. *Zhur. ob. khim.* 35 no. 4:754-755 Ap '65.

Photochemical hydroxylation of allyl alcohol to glycerol by hydrogen peroxide in the presence of  $\text{O}_2\text{O}_4$  in  $\text{H}_2\text{O}$  solution. L. V. Sulima. *Zhur. org. khim.* 1 no. 1:75-78 Ja '65

**ALLYL COMPOUNDS**

Investigating a reaction of the haloalkylation of benzene and its homologs with haloalkyl compounds with a catalyst on a base of boron fluoride. Ibragim Galal, I. A. M. Pauskhin. *Trudy MINKHGP* no. 44:78-80 '63.

**ALLYL GROUP**

Allyl rearrangement in boron chemistry. B. M. Mikhailov, A. I. A. Bezmenov. *Izv. AN SSSR. Ser. khim.* no. 5:891 '65.

**ALLYLAMINE**

Radiation-induced synthesis of the copolymer of allylamine and methacrylic acid. G. V. Gurash and others. *Ukr. khim. zhur.* 31 no. 1:89-93 '65.

**ALMA-ATA—CIVIL DEFENSE**

A program studied completely. V. Alekhanov. *Voen. znaniya* 41 no. 3:20-21 Mr '65

**ALMA-ATA—EXHIBITIONS**

Alma-Ata. Narodnokhoziaistvennaya vystavka. *Kazakhsk. Sovetskoi Sotsialisticheskoi Respubliki*. [Guide to the Exhibition of the National Economy of the Kazakh Soviet Socialist Republic] Zhon silteushi. Almaty, 1961, 156 p. [in Kazakh and Russian]

**ALMA-ATA—IONOSPHERIC RESEARCH**

Study of the motion of an inhomogeneity in the ionosphere over Alma-Ata. V. I. Drobizhev, V. L. Zelenkov, I. A. Zelenkova. *Geomag. i aer.* 5 no. 3:561-563 My-Je '65

**ALMA-ATA PROVINCE—BARLEY**

Reas for sowing spring barley in unimproved dry-farming areas of Alma-Ata Province. V. I. Kovalenko, A. I. Titov. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:108-111 Ap '65.

**ALMA-ATA PROVINCE—BARLEY—VARIETIES**

Test results of some samples of a world collection of barley in Alma-Ata Province. O. T. Tuzhlin. *Izv. AN Kazakh. SSR. Ser. biol. nauk* 3 no. 2:44-51 Mr-Apr '65.

**ALMA-ATA PROVINCE—FEEDS—COMPOSITION**

Trace element content of feeds in Alma-Ata Province. M. A. Baiturin, A. P. Kofman, I. I. Popova. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:101-94 Ap '65.

**ALMA-ATA PROVINCE—FIELD CROPS—FERTILIZERS**

Practice in the use of industrial wastes as trace element fertilizers in Chestnut soils of the irrigated zone in Alma-Ata Province. V. I. Krokholm, M. D. Lashonov, A. D. Kivator. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:20-23 Ap '65.

**ALMA-ATA PROVINCE—PEAS**

Studying the methods of basic tillage of soil for peas as a fallow crop in the improved dry-farming areas of Alma-Ata Province. V. P. Dudenko. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:12-16 Ap '65.

**ALMA-ATA PROVINCE—STOCK AND STOCKBREEDING—ECONOMIC ASPECTS**

Economics of breeding work. D. N. Pak. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:95-96 Ap '65.

**ALMA-ATA PROVINCE—TILLAGE**

Studying the methods of basic tillage of soil for peas as a fallow crop in the improved dry-farming area of Alma-Ata Province. V. P. Dudenko. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:12-16 Ap '65.

**ALMALYK, MOUNT—ROCKS—ANALYSIS**

Experimental study of the ultra- and microporosity of primary and hydrothermally altered rocks in the Saukbulak ore zone (Almalyk, Central Asia). T. Tulegenov, N. T. Tikhina. *Uzb. geol. zhur.* 8 no. 1:19-26 '61.

**ALMALYK REGION (UZBEKISTAN)—METAMORPHISM (GEOLOGY)**

Postmagmatic alteration of rocks in the Almalyk region. V. F. Viktorov. *Uzb. geol. zhur.* 8 no. 1:27-35 '64.

**ALMALYK REGION (UZBEKISTAN)—ORE DEPOSITS**

Morphological characteristics of the oxidation zone in the Kalmakyr copper-porphyr deposits. V. I. Dedy. *Uzb. geol. zhur.* 8 no. 5:61-66 '64

**ALTAI MOUNTAINS—BORON**

Source of the boron of authigenous tourmaline in the volcanic-sedimentary iron ores of the Altai. S. I. Zubova, N. M. Rezapova. *Trudy SNIIGIMS* no. 36:155-157 '64

**ALTAI MOUNTAINS—CINNABAR**

Gray ores as a source of secondary cinnabar in the Gornyy Altai. V. I. Vasil'ev. *Dokl. AN SSSR* 162 no. 4:801-804 Ja '65

**ALTAI MOUNTAINS—GEOLOGY**

Division of Pleistocene melanodromic formations in the southern part of the Altai-Sayan area. M. A. Chernomerkhii. *Dokl. AN SSSR* 162 no. 4:893-896 Je '65.

Velikovskaya, E. M. [Pliocene sediments of the southwestern Altai and the Zaysan Depression] *Piotrenovye otlozheniya Tugo-Zapadnogo Altai i Zaisanskoi kotloviny*. Otv. red. A. A. Bogdanov. [Moskva] Izd-vo Mosk. univ., 1964, 79 p.

**ALTAI MOUNTAINS—GEOLOGY, STRUCTURAL**

Nature of banding in the limestones of the Lower Cambrian effusive-sedimentary formations in the Sinukha ore field. V. V. Zhabin. *Trudy SNIIGIMS* no. 35:210-217 '64.

**ALTAI MOUNTAINS—GOLD MINES AND MINING**

Gusel'nikov, I.I. [A mine that was saved] Spasenniy iudnik, Moskva, Mysl', 1965. 189 p. (Puteshestviya, priklucheniya, fantastika)

**ALTAI MOUNTAINS—IRON ORES**

Relation with diabases and the metamorphism of some volcanic-sedimentary iron ore deposits in the Devonian sediments of the Altai. A.S. Kalugina, V.I. Ivanov. Trudy SNIIGGIMS no. 35:62-71 '64.  
Syngenetic iron ore manifestation in the Sialair and Lower Cambrian volcanic formations in the Sialair Range and Altai Mountains. O.M. Adamenko. Trudy SNIIGGIMS no. 35:48-55 '64.  
Volcanic sedimentary iron ores in the ore zone of the Zyryanovsk complex metal deposit of the Rudnyy Altai. V.G. Ponomarev. Trudy SNIIGGIMS no. 35:72-81 '61.

**ALTAI MOUNTAINS—MANGANESE ORES**

Manganese mineralization in the iron-bearing iron of Devonian volcanic sediments in the western part of the Altai. T.S. Kalugina, V.A. Matich. Trudy SNIIGGIMS no. 35:163-176 '64.

**ALTAI MOUNTAINS—MOLLUSKS AS CARRIERS OF DISEASE**

Biology of terrestrial mollusks, carriers of helminthiasis in the southern Altai. K.K. Uvalleva. Izv. AN Kazakh. SSR, Ser. biol. nauk. 3 no. 2:64-71. Mr.-Ap. '65.

**ALTAI MOUNTAINS—NONFERROUS METALS**

Nonferrous metals (copper, lead, zinc) in the volcanic sedimentary complexes of the Altai-Sayan fold area. A.A. Onosovskaya. Trudy SNIIGGIMS no. 35:177-181 '61.

**ALTAI MOUNTAINS—ORE DEPOSITS**

Effect of the depth factor on the formation of complex metal deposits in the Altai and their distribution in a stratigraphic cross section. Z.V. Sidorenko. Izv. AN Kazakh. SSR, Ser. geol. 21 no. 5:13-14. S-O. '64.  
Gray ores as a source of secondary elements in the Gornyy Altai. V.I. Vasiliev. Dokl. AN SSSR 162 no. 4:901-903. Je. '65.  
Petrology and metallogeny of volcanic rocks in some regions of the Gornyy Altai. A.N. Kononov. Trudy SNIIGGIMS no. 35:29-41 '61.  
Spatial and genetic relation of complex metal mineralization in the Kolyvan'-Tomsk zone to Devonian volcanism. I.U. A. Nuvar'eva. Trudy SNIIGGIMS no. 35:116-123 '64.

**ALTAI MOUNTAINS—PYRITES**

Effusive-sedimentary nature of the Nikolayevskoye pyrite deposit in the Rudnyy Altai. N.I. Vorontsov, M.K. Vorontsova. Trudy SNIIGGIMS no. 35:134-154 '64.

**ALTAI MOUNTAINS—ROCKS, IGNEOUS**

Petrology and metallogeny of volcanic rocks in some regions of the Gornyy Altai. A.N. Kononov. Trudy SNIIGGIMS no. 35:29-41 '61.

**ALTAI MOUNTAINS—ROCKS, SEDIMENTARY**

Conditions governing the formation of Upper Devonian and Lower Carboniferous sediments in the Kalba Range and southern Altai. A.Kh. Kagarmenov. Izv. AN Kazakh. SSR, Ser. geol. 22 no. 2:7-78. Mr.-Ap. '65.  
Spatial and genetic relation of complex metal mineralization in the Kolyvan'-Tomsk zone to Devonian volcanism. I.U. A. Nuvar'eva. Trudy SNIIGGIMS no. 35:116-123 '64.

**ALTAI MOUNTAINS—TOURMALINE**

Authigenous tourmaline in Middle Devonian iron effusive-sedimentary ores in the southern part of the eastern Altai. V.G. Ponomarev. Trudy SNIIGGIMS no. 35:158-162 '64.  
Source of the boron of authigenous tourmaline in the volcanic-sedimentary iron ores of the Altai. S.I. Zubova, N.M. Rezapova. Trudy SNIIGGIMS no. 35:155-157 '61.

**ALTITUDE, INFLUENCE OF**

(see also subdivision under Tien Shan)

Dynamics of oxygen in the blood and brain tissues of animals at high altitude during respiration under excessive pressure. I.N. Chernitskov, V.L. Popkov. Pat. fiziol. i eksp. teyap. 9 no. 2:18-23. Mr.-Ap. '65.

**ALUMINATES**

Effect of ultrasonic vibrations on the decomposition rate of aluminate solutions. V.N. Tikhonov, S.I. Kuznetsov. TSvet. met. 38 no. 4:52-56. Ap. '65.

**ALUMINOSILICATES**

Dehydrogenation of isopentane on aluminum-chrome-potassium catalysts, effect of the chromic oxide content in the catalyst. O.D. Storilgov, N.A. Eliseev. Neftekhimiya 5 no. 1:10-16. Ja.-F. '65.  
Particular characteristics of the diffusion of iron ions in molten aluminosilicates. E.A. Pastukhov, O.A. Esin, S.K. Chuchmarov. Elektrokimiya 1 no. 1:78-83. Ja. '65.  
Role of an alkali promoter in the development of an aluminum-chrome catalyst for the dehydrocyclization of paraffin hydrocarbons. M.I. Rozengart, Z.F. Kuznetsova, K.M. Gitis. Neftekhimiya 5 no. 1:17-23. Ja.-F. '65.

**ALUMINUM**

Anode behavior of aluminum in the course of electrolytic polishing. V.P. Galushko, V.V. Bondar. Ukr. khim. zhur. 31 no. 4:359-363 '65.  
Developing scientific principles of prospecting for aluminum resources. R.A. Musin. Uzb. geol. zhur. 8 no. 1:43-48 '64.  
Hydrogen overvoltage on aluminum and the inclusion of an alkaline metal. A.I. Zak, B.N. Kabanov. Elektrokhimiya 1 no. 1:68-71. Ja. '65.

**ALUMINUM—ANALYSIS**

Conductometric method for determining aluminum in the presence of iron, calcium, and magnesium. G.B. Pavlovskaya, Zhur. anal. khim. 20 no. 3:392-394 '65.

**ALUMINUM—CATHODIC PROTECTION**

Polarized curves of the aluminum sheeting of a communications cable in solonchak media. F.Z. Fishgang. Izv. vys. ucheb. zav. nefi' i gaz. 8 no. 3:50 '65.

**ALUMINUM—ELECTROMETALLURGY**

Prospects for the use of induction channel furnaces for smelting aluminum and its alloys. A.N. Kuznetsov. TSvet. met. 38 no. 4:80-83. Ap. '65.

**ALUMINUM—WELDING**

Effect of the heating by current of the electrode on the rate of melting in automatic submerged arc welding of aluminum. V.G. Mikaelian. Izv. vys. ucheb. zav. mashinost. no. 1:205-211 '65.

**ALUMINUM ALLOYS**

Introducing the refining of Al-6 alloy with argon. L.D. Vashnov. Biol. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 2:20-21. F. '65.  
Results of the testing of the state of stress and dynamic (running) qualities of passenger cars manufactured from high-strength aluminum alloys. A.L. Spivakovskiy. Trudy MIT no. 185:58-82 '64.  
Use of thermocarbides in analysis. Part 7: Photo-metric determination of copper in aluminum and its alloys. N.V. Koshkin, R.B. Agrest. Izv. vys. ucheb. zav. khim. i khim. tekhn. 7 no. 6:910-913 '64.

**ALUMINUM ALLOYS—ELECTROMETALLURGY**

Conference on more efficient furnace designs for melting aluminum alloys. A.D. Andreev, V.A. Zasyplin, M.A. Istrin. TSvet. met. 38 no. 4:73-80. Ap. '65.

**ALUMINUM ALLOYS—METALLOGRAPHY**

The EuAl<sub>3</sub> compound and its crystal structure. I.I. Zolotarev, P.I. Klyap'kevich. Dop. AN URSS no. 5:597-599 '65.

**ALUMINUM ANTIMONIDE CRYSTALS**

Coefficient of distribution of zinc in aluminum antimonide. I.A. Strelnikova, M.S. Mirgalovskaya. Izv. AN SSSR, Neorg. mat. 1 no. 1:91-95. Ja. '65.

**ALUMINUM ANTIMONIDES**

Phase equilibria in the system Al-Sb-S. I.A. Strelnikova, M.S. Mirgalovskaya. Izv. AN SSSR, Neorg. mat. 1 no. 1:98-99. Ja. '65.

**ALUMINUM CRYSTALS—GROWTH**

\*Use of the method of collective recrystallization in growing aluminum single crystals. A.I. Makarevich. Dokl. AN SSSR 9 no. 2:94-96. F. '65.

**ALUMINUM FOUNDRY**

Chill casting of aluminum alloys. A.D. Farshin. Trudy Oren. sel'khoz. inst. 14:66-71 '63.

**ALUMINUM HYDRIDE**

Reduction of  $\alpha$ -oxides by diisobutylaluminum hydride and the mechanism of action on  $\alpha$ -oxides of simple aluminum hydrides. L.I. Zakharkin, I.M. Khorlina. Izv. AN SSSR, Ser. khim. no. 5:862-870 '65.

**ALUMINUM INGOTS**

Induction furnace for heating slabs. P.P. Mozhayev and others. TSvet. met. 38 no. 4:83-86. Ap. '65.

Macrostructure of low pressure castings. E.N. Nikolai-chik. Lit. proizv. no. 6:43-44. Je. '64.

**ALUMINUM-IRON ALLOYS** see Iron-aluminum alloys**ALUMINUM-MAGNESIUM ALLOYS** see Magnesium-aluminum alloys**ALUMINUM-NICKEL ALLOYS** see Nickel-aluminum alloys**ALUMINUM ORGANIC COMPOUNDS**

Complex compounds of alkyltetrahalorophosphines with aluminum chloride. Part 5: Reaction of the complex compounds of alkyltetrahalorophosphines and aluminum chloride with alkylene oxides and alkylene sulfides. K.V. Karavanov, S.Z. Ivin, V.V. Lyosenko. Zhur. ob. khim. 35 no. 4:737-738. Ap. '65.

Role of soluble organoaluminum compounds in the process of polymerization of isoprene by a complex catalyst. A.A. Kozlov and others. Dokl. AN SSSR 162 no. 4:821-823. Je. '65.  
Synthesis of aluminum trihydride complexes of MAIRF<sub>3</sub> structure. L.I. Zakharkin, V.V. Gavrilenko. Izv. AN SSSR, Ser. khim. no. 4:644-649 '65.

**ALUMINUM OXIDE**

Benzene and n-hexane adsorption on aluminum oxide. A.M. Rubinshtein, K.I. Slovetskaya, T.R. Brueva. Izv. AN SSSR, Ser. khim. no. 5:600-602 '65.

Characteristics of blast furnace operation in the making of alumina slag from bauxite. N.F. Lomaka and others. Metallurg 10 no. 3:6-9. M. '65.

Interaction of niobium with aluminum oxide. V.P. Eliutin, B.S. Lysov, B.S. Mitin. Izv. vys. ucheb. zav. khim. no. 8 no. 5:115-117 '65.

Study of the sorption properties of the anode oxide film on aluminum by the tracer technique. Part 1. Sorption of inorganic anions as a function of their concentration in solution. A.F. Bogolovskiy, V.T. Belov, E.M. Koryukov. Izv. vys. ucheb. zav. khim. i khim. tekhn. 7 no. 6:962-966 '64.

Use of dolomite limestone in producing aluminum oxide from aluminum silicates by calcining with lime. V.A. Mazol', V.P. Mel'nikova. TSvet. met. 38 no. 4:50-52. Ap. '65.

Wetting of aluminum oxide by chromium-nickel melts. V.N. Ereminenko, V.I. Nizhenko, L.I. Skifarenko. Porosh. met. 5 no. 5:29-34. My. '65.

**ALUMINUM PIPE** see Pipe, Aluminum**ALUMINUM SHIPS** see Ships, Aluminum**ALUMINUM SILICATES**

Use of dolomite limestone in producing aluminum oxide from aluminum silicates by calcining with lime. V.A. Mazol', V.P. Mel'nikova. TSvet. met. 38 no. 4:50-52. Ap. '65.

**ALUMINUM-TITANIUM ALLOYS** see Titanium-aluminum alloys**AMALGAMS**

Current-time curves on a silver amalgam electrode in oscillographic polarography with a given sinusoidal voltage. E.M. Skobets, M.F. Povkhon. Ukr. khim. zhur. 31 no. 4:363-367 '65.

Effect of the concentration of a foreign electrolyte on the cathodic process on amalgam electrodes. A.I. Molodov, V.V. Losev. Elektrokimiya 1 no. 1:53-58. Ja. '65.

Experimental study of the extrinsic photoeffect from the surface of diluted potassium amalgams in the liquid and solid states. V.B. Lazarev, I.U. Malov. Dokl. AN SSSR 161 no. 4:875-877. Ap. '65.

**AMARYLLE**

Analysis of the karyotype of Agapanthus umbellatus L'Hérit (Amaryllidaceae). A.I. Pogodin. Izv. AN Arm. SSR, biol. nauki 18 no. 3:90-93. Mr. '65.

**AMATEUR RADIO STATIONS**

(see also subdivision under Kerch)  
Short and ultrashort radio waves. Radio no. 4:16-17. Ap. '65.

**AMATEUR THEATRICALS** see subdivision under Ukraine**AMAZAR VALLEY—GNEISS**

Role of accessory minerals in finding the genesis of granite gneisses in the upper reaches of the Amazar Valley (upper Amur Valley). I.U. V. Voroshilov, V.P. Kiriluk. Zap. Vses. min. ob.-va. 84 no. 2:232-236 '65.

**AMAZAR VALLEY—MINERALS**

Role of accessory minerals in finding the genesis of granite gneisses in the upper reaches of the Amazar Valley (upper Amur Valley). I.U. V. Voroshilov, V.P. Kiriluk. Zap. Vses. min. ob.-va. 84 no. 2:232-236 '65.

**AMARY HEMP—FERTILIZERS AND MANURES** see subdivision under Tashkent Province**AMARY HEMP—TESTING**

Effect of moisture on the changes in the strength of scouted hemp fibers. V.A. Tugolukova. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 1:47-50 '65.

**AMBULANCES**

Mobile dressing units of a regimental medical station. G.S. Aronov, I.P. Rudchenko. Voen.-med. zhur. no. 8:50-60 '64.

**AMERICAN DRAMA—HISTORY AND CRITICISM**

Zlobin, G.P. [Contemporary dramaturgy in the U.S.A.; a critical review of the twenty years after the war] Sovremennaya dramaturgiya SShA; kriticheskiy obozretse poslevoennogo dvadtsatiletiya. Moskva, Vysshaya shkola, 1965. 95 p. (Sovremennaya zarubezhnaya literatura)



## AMUR PROVINCE—KIDNEYS—DISEASES

Distribution of nephroglomerulitis in Amur Province  
I. I. Anokhin Zhur. mikrobiol. epid. i immun. 12  
no. 1:17 Ap '65

## AMUR PROVINCE—RECONSTRUCTION

Shindalov, N. A. [Socialist construction in Amur Province in 1922-1926, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] *Sotsialisticheskoe stroitel'stvo na Amure v 1922-1926 gg.; avtoreferat dissertatsii na soiskaniye uchenoj stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' P. I. Kabanov. Moskva, Mosk. gos. pedagog. in-t, 1963, 20 p.*

[MICROFILM]

## AMUR RIVER—FISHES

Amur River and Amur Valley, N. A. Rashkevich, Priroda 54 no. 4:91-96 Ap '65.

## AMUR VALLEY—NATURAL HISTORY

Amur River and Amur Valley, N. A. Rashkevich, Priroda 54 no. 4:91-96 Ap '65

## AMUR VALLEY—PALEOBOTANY, STRATIGRAPHIC

New data on the Tolbuzino paleofloristic complex (Upper Amur Valley), I. A. Dobriuskin Vest. Mosk. un. Ser. 4: Geol. 20 no. 2:62-74 M: Ap '65

## AMUR VALLEY—SOILS—IRON CONTENT

Characteristics of the accumulation and distribution of iron in the forest soils of the Amur Valley, B. A. Zimovets, Pochvovedenie no. 5:27-36 My '65

## AMYL ALCOHOL

Extraction by amyl alcohol of an iron citrate complex in the presence of tri-n-butylamine, I. V. Piatnitskii, R. S. Kharchenko, Ukr. khim. zhur. 30 no. 6:636-640 '64

## AMYLASE

Crystallization of  $\alpha$ -amylase of *Aspergillus oryzae* from Soviet enzyme preparations O. S. Tyshovych, I. P. Haiych, Ukr. biokhim. zhur. 37 no. 1:1-23 '65

Diagnostical importance of testing the amylase and hemolytic activity of the pancreas in hog cholera, I. I. Kulevskii, A. I. Sobko Vop. vet. virus. 1:274-280 '64

Effect of the concentration of hydrogen ions on the activity of the amylolytic enzymes of the immersion culture of *Aspergillus oryzae* 3-15 I. A. Dvadsatova, S. N. Bulova, Ferment. i spirt. prom. 31 no. 3:1-5 '65

Role of calcium ion in maintaining the conformation and active center of  $\alpha$ -amylase in *Aspergillus oryzae*, G. A. Molodova, I. D. Ivanov, G. M. Nikolaev, Izv. AN SSSR, Ser. biol. no. 3:350-367 My-Je '65

## AMYLOSE ISOMERASE

Formation of an intermediate complex of amylose isomerase with ribonucleic acid and polynucleotide, A. N. Petrova, R. D. Filippova, Dokl. AN SSSR 162 no. 2:456-457 My '65

## ANABASINE

Complexometric titration of indium in the presence of 4/2-N-methylanabasinazo-1-essocinol as indicator, Sh. T. Talipov, Kh. S. Abdullaeva, Uzb. khim. zhur. 8 no. 5:18-22 '64

## ANAEROBIC BACTERIA see Bacteria, Anaerobic

## ANALYSIS (MATHEMATICS) see Mathematical analysis

## ANALYTIC FUNCTIONS see Functions, Analytic

## ANALYTICAL CHEMISTRY see Chemistry, Analytical

## ANAN'EV, MIKHAIL NIKOLAEVICH, 1903-1914

In memory of M. N. Anan'ev, Gl. d. i. mol. 17 no. 2:63 F '65

## ANAPHYLAXIS

Allergens of the allantoic fluid in chick embryos infected with influenza virus, I. K. Petrov, Vop. virus. 10 no. 3:91-96 Ja-F '65

Effect of gamma irradiation on the anaphylactic reaction in guinea pigs, O. V. Protasova, Zhur. mikrobiol., epid. i immun. 41 no. 10:27-31 '64

Severe anaphylactic reaction to polyglucin infusions, N. G. Kilimnik, Vest. khir. 94 no. 2:112 F '65

Transfer of increased sensitivity of immediate type by the lymphoid cells, M. A. Tumanian, O. V. Protasova, Zhur. mikrobiol., epid. i immun. 42 no. 4:105-110 Ap '65

## ANARCHISM

Marx's and Engel's struggle in the First International against the petit-bourgeois anarchist revolutionism and its methodological concepts, A. D. Kosichev, Nauch. dokl. vyb. shkoly, filos. nauki 7 no. 5:2-9 '64

## ANATOMICAL SPECIMENS

Manufacture of soft anatomical corrosion preparations of SKT-N caoutchouc, G. A. Dobrovolskii, Arkh. anat., giat. i embr. 40 no. 4:93-94 Ap '64

## ANATOMICAL SPECIMENS—COLLECTION AND PRESERVATION

Method of sealing macroscopic preparations, I. V. Lapin, Arkh. pat. 26 no. 12:74-75 '64

## ANATOMY—CONGRESSES

Conference of undergraduate and graduate students of the morphological departments and laboratories of the Leningrad institutions of higher learning and research institutes, A. V. Prozdova, Arkh. anat., giat. i embr. 46 no. 4:119-122 Ap '64

## ANATOMY, COMPARATIVE

Characteristics of the structural organization of the hypothalamus in man and some primates (chimpanzee, macaca), V. S. Kusarev, Zhur. nevro. i psikh. 65 no. 5:690-702 '65

## ANATOMY, HUMAN

Review of V. N. Tonkov's book "Textbook of normal human anatomy," N. G. Turkevich, Arkh. anat., giat. i embr. 46 no. 1:116-118 Ap '64

## ANATOMY, HUMAN—ATLASES

Review of F. Kiss and J. Sentagotai's book "Anatomical atlas of the human body," G. F. Baliko, Arkh. anat., giat. i embr. 46 no. 4:112-115 Ap '64

## ANATOMY, PATHOLOGICAL

Pathological anatomy of congenital toxoplasmosis, O. S. Kalina, Arkh. pat. 27 no. 5:48-52 '65

Work of the Lugansk Society of Pathoanatomists during 1960-1963, V. V. Nestaiko, E. I. Zavadovskaya, Arkh. pat. 27 no. 3:90-92 '65

## ANCHORAGE

(see also subdivision under Mogadishu, Somalia)

Anchorage of the vessel by means of the main anchors and spring, I. Man, Mor. flot 25 no. 5:28 My '65

Moorings of a BARRIT to a floating base and loading and unloading work at sea from both sides, I. I. Tolokubov, Ryb. khoz. 11 no. 3:24-26 '65

## ANCHOVIES

Use of antioxidants in protecting salted anchovies from oxidation, G. S. Khristoforov, Ryb. khoz. 41 no. 3:66-67 '65

## ANDHRA, INDIA—ISLAM

The "Majlis Ithad-ul-Muslimin", the origin of the Islamic religious and communal movement in the state of Andhra, A. U. Akmeddzianov, Krat. soob. Inst. nar. Az. no. 7:146-55 '64

## ANDIZHAN PROVINCE—COTTON—FERTILIZERS AND MANURES

Amounts and dates for the placement of nitrogen for cotton grown on alfalfa soil and following white durra in light-colored Sierozern soils of Andizhan Province, A. Makhmudov, Sbor. nauch. rab. asp. SoluzNIKHII no. 5:229-234 '64

## ANDIZHAN PROVINCE—COTTON—IRRIGATION

Effect of the dates and norms of irrigation before sowing on the yield of cotton in Andizhan Province of Uzbekistan, M. Bakhranov, Sbor. nauch. rab. asp. SoluzNIKHII no. 5:321-326 '64

## ANDIZHAN PROVINCE—COTTON GROWING

Development of a new technology of cotton planting in light-colored Sierozern soils of Andizhan Province, M. Bagatimov, Sbor. nauch. rab. asp. SoluzNIKHII no. 5:109-116 '64

Effectiveness of two-depth plowing in old soils for cotton, A. K. Kamilov, Sbor. nauch. rab. asp. SoluzNIKHII no. 5:126-135 '64

## ANDIZHAN PROVINCE—SORGHUM—FERTILIZERS AND MANURES

Effect of moisture and nutrition conditions on the yield of white durra grown for silage, A. Maminov, Sbor. nauch. rab. asp. SoluzNIKHII no. 5:100-108 '64

## ANDREEV, BORIS FEDOROVICH, 1915-

Tarasov, D., and V. Belavskii, Boris Andreev, [Moskva] Biuro propagandy sovetskogo iskus., 1965, 20 p. illus. (Aktery sovetskogo kino)

## ANDROSTENEDIOL—THERAPEUTIC USE

Results of prolonged use of methylandrostenediol in hypophyseal insufficiency, N. A. Zarubina, Probl. endok. i gorm. 11 no. 1:33-38 Ja-F '65

## ANEMIA

Effect of whole-body X-ray irradiation on the erythropoietic activity of the blood in anemized animals, R. A. Arutunian, Izv. AN Arm. SSR, Biol. nauki 18 no. 4:22-28 Ap '65

Enterogenic anemias, E. I. Atakhanov, Sov. med. 28 no. 5:39-46 My '65

Fainstein, F. E. [Aplastic and hypoplastic anemias] *Aplasticheskie i gipoplasticheskie anemii, Moskva, Meditsina, 1965, 286 p. (DNLN)*

Some problems in the pathogenesis of autoimmune hemolytic anemias, M. S. Deltin, I. I. Loido, L. I. Privalova, Sov. med. 28 no. 1:3-9 Ja '65

## ANEMOMETER

The ATI-1 thermoelectric anemometer for measuring low velocities of air in a mine, V. M. Maevskaya, A. D. Morozov, A. A. Sviridov, Nauch. soob. VostNIH no. 1:63-67 '61

A peculiar instrument, Inform. blud. VDNKH no. 4:11 Ap '65

## ANEMONES

Development of the ovule and microsporangogenesis in *Anemone crinita* Juz., P. G. Zhukova, Bot. zhur. 60 no. 3:378-381 Mr '65

## ANESTHESIA

Anesthesia and reanimation in severe shock and terminal states, P. K. D'achenko, Vest. khir. 93 no. 12:66-74 D '64

Anesthesia in surgery for scoliosis, F. N. Kazantsev, A. N. Podolskii, Z. V. Nakhrova, Ortop., travm. i protez. 26 no. 2:70-71 F '65

Changes in the blood cholinesterase activity under the influence of anesthesia and surgical trauma, G. A. Chakhunashvili, Vest. khir. 92 no. 6:66-71 Je '64

Comparative evaluation of some forms of anesthesia in spinal surgery for scoliosis, N. M. Dibolov, Ortop., travm. i protez. 26 no. 2:71-72 F '65

Content of catecholamines in the blood during inhalation anesthesia, F. N. Kazantsev, Vest. khir. 92 no. 6:61-68 Je '64

Experience in anesthesia in surgery for grave forms of scoliosis, N. V. Mensilov, E. A. Koroleva, Ortop., travm. i protez. 26 no. 2:71 F '65

Kassil', G. N. [Pain and anesthesia] *Bol' i obezboivanie, 2. izd., 1. izd., 1. dop., Moskva, Nauka, 1965, 316 p. (Nauchno-populnaya seriya)*

Nitrous oxide anesthesia with poliphen premedication in the first aid treatment of myocardial infarct, I. L. Pekker, Sov. med. 28 no. 1:103-107 Ja '65

Some indices of body reactivity during anesthesia and surgery, A. N. Kulshresha, Vest. khir. 92 no. 6:71-75 Je '64

Use of some modern methods of anesthesia under conditions of a small surgical ward, V. N. Chernyshev, Vest. khir. 93 no. 12:70-82 D '64

## ANESTHESIA IN OBSTETRICS

Anesthesia in cesarean section, I. S. Pershinov, Akush. i gin. 40 no. 5:3-10 S-O '64

Experience in potentiated ether-oxygen anesthesia during obstetric and gynecological operations in a rural district hospital, V. M. Grubnik, T. V. Grubnik, Akush. i gin. 40 no. 5:151-152 S-O '64

Inhalation anesthesia in cesarean section in women with severe cardiovascular pathology, K. M. Federmesser, T. A. Leparskii, Akush. i gin. 40 no. 5:17-22 S-O '64

## ANESTHESIA IN VETERINARY SURGERY

State of the cerebrospinal fluid in animals after a suboccipital injection of novocaine, I. G. Belogudov, Trudy mol. uch. UASIN no. 9:10-44 '63

## ANEURYSMS

Changes in the EEG in arterial aneurysms of the brain, A. N. Kononov, A. A. Skolova, T. O. Faller, Zhur. nevro. i psikh. 65 no. 1:48-523 '65

Clinical aspects and course of aneurysms of the cerebral vessels, I. U. D. Smirnov, Zhur. nevro. i psikh. 65 no. 4:500-515 '65

## ANGARA RIVER—LUMBER—TRANSPORTATION

Khudonogov, V. N. [Raid floating in the Angara-Yenisey Basin] *Plovoval'nyy splov v Angaro-Taiselskom basseine, Moskva, TSentr. nauchno-issl. in-t informatsii i tekhn. ko-od. issledovaniy po lesnoi, tselulozno-bumazhnoi, derevoprobavayushchey promyshl. i lesnomu khoz., 1964, 24 p. (Lesokhimiya)*

[MICROFILM]

## ANGINA PECTORIS

Comparative analysis of the results in treating stenocardia with erlil and manitrit, A. I. Levin, G. A. Spolenskii, A. I. Ozerova, Sov. med. 28 no. 1:20-30 Ja '65

## ANGIOGRAPHY

Angiography in the diagnosis of lung diseases, A. G. Kochetkova, Trudy TSU 60:114-121 '64

Angiography of the brain in stillborn infants and dead neonates, E. D. Lipson, Arkh. pat. 27 no. 3:65-71 '65

Brachiocephalic, bronchographic and angiographic comparisons in a middle lobe syndrome, T. V. Stepanova, A. G. Kochetkova, Trudy TSU 60:151-162 '64

Clinical aspects and diagnosis of lesions of the extracranial portion of the vertebral artery, E. I. Zlotnik, L. S. Gikinn, Zhur. nevro. i psikh. 65 no. 5:662-668 '65

Materials for posthumous cerebral angiography, Technique and methodology, Report No. 1, P. A. Sokolov, Sud.-med. ekspert. 8 no. 1:16-18 Ja-Mr '65

## ANGIOGRAPHY (Continued)

Phlebographic methods of determining the operability of pulmonary cancer. A. A. Chervinskii, M. I. A. Polikarpov, V. K. Abramov. Khirurgia 41 no 4-13-17 Ap '65

Perihepatography and peritonometry through the umbilical vein in children. S. I. A. Doletskii and others. Vest. khir. 94 no 2 89-93 F '65

Postmortem angiography in pulmonary hypertension. G. S. Krivchikova. Arkh. pat. 26 no 12 52-57 '64.

## ANGIOGRAPHY—COMPLICATIONS AND SEQUELAE

Complications in selective angiopulmography. A. G. Stetsiuk. Trudy TSU 66:122-126 '64

## ANGIOMATOSIS

Changes in the liver in Oler's disease. N. A. Nemirovskaya. E. E. Atakova. Arkh. pat. 27 no 2 78-82 '65.

## ANGIOSPERMS

Study of pollen tubes in angiosperms. V. A. Poddubnaya. Arno'di. Dokl. AN SSSR 102 no 3 705-709 My '65

## ANGREN VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Neogene of the Angren Valley. F. P. Korsakov. Nauch. trudy TashGU no 249 Geol. nauki no. 21 192-198 '64

## ANGULAR MOMENTUM (NUCLEAR PHYSICS)

Theory of four-dimensional angular momentum. P. Vintermatta, I. A. Smorodinskii, M. Uglirzh. IAD fiz. 1 no 1 163-172 Ja '65

ANHYDRITE see subdivision under Ural Mountains

## ANI, TURKEY—HISTORY

Arutunian, Varazdal. [The city of Ani; from the history of municipal building in medieval Armenia] Gorod Ani, iz istorii gradostroitel'stva srednevekovoi Armenii. Erevan, Armianskoe gos. izd-vo, 1964. illus., plates. (Mh)

## ANICHKOV, NIKOLAI NIKOLAEVICH, 1886-1964

Academician Nikolai Nikolaevich Anichkov: an obituary. Arkh. pat. 27 no 2 3-5 '65

## ANILINE

Fire hazards in the production of aniline with the contact method. V. V. Oglesnev, M. V. Alekseev. Pzh, bezop. no 3 9-18 '64.

Kinetics of aniline acylation with benzoyl chloride in nonaqueous media. Part 4. N. K. Vorobiev, L. V. Kuznetsov. Izv. vuz. ucheb. zav. khim. i khim. tekhn. 7 no 6 930-934 '64

Long-wave absorption spectra of complex compounds of aniline with metals. N. G. Iaroslavskii, L. V. Konovalov. Dokl. AN SSSR 162 no 1 144-146 My '65

Oxydo compounds. Part 18: Interaction of monoalkyl-substituted glycidols with aniline and piperidine. V. I. Paneevich-Kollada, T. A. Galysheva. Zhur. org. khim. 1 no 1 172-174 Ja '65

Radical reactions of organic peroxydicarbonates. Part 3: Interaction of dicyclohexylperoxydicarbonate with dimethylaniline. G. A. Razuvaev and others. Zhur. org. khim. 1 no 1 79-82 Ja '65.

## ANIMAL HEAT

Change in pulmonary gas exchange and heat production in Kazakhstani fine-wool sheep in ontogenesis. Z. K. Koshebekov, B. A. Aitkozhanova. Vest. sel'khoz. nauki [Kazakh.], 8 no 4 58-61 Ap '65.

## ANIMAL INTELLIGENCE

Can dolphins speak? A. L. Ivanchenko, A. G. Tomilin. Priroda 54 no 4 106-107 Ap '65.

Proof of the capacity of insects to discriminate a circle, triangle and other simple figures. G. A. Mazokhin-Porshnikov, T. M. Vishnevskaya. Zool. zhur. 44 no 2 192-197 '65.

## ANIMAL LOCOMOTION

Behavior of animals as the expression of the reaction of the nervous system to the effect of conditioned stimulants. Based on experimental data on retarded motor reflexes in dogs. D. A. Chebykin. Nauch. soob. Inst. fiziol. AN SSSR no 3 167-170 '65.

Characteristics of the motor position in Cephalopoda. G. V. Zuev. Izv. AN SSSR. Ser. biol. no 3 403-400 My-Je '65.

Mechanism of soaring in pelagic squids. G. V. Zuev. Biofizika 10 no 1 191-192 '65

Physiological mechanisms of inadequate motions. A. I. Shestakov. Nauch. soob. Inst. fiziol. AN SSSR no 3 146-148 '65.

Role of the motor regions of the cerebral cortex in the compensation of lost functions of the analyzers in monkeys in ontogeny following exclusion of distant receptors and the vestibular apparatus. V. I. Korolov. Nauch. soob. Inst. fiziol. AN SSSR no 3 87-72 '65.

Study of the daily motor activity relating to the breed and individual characteristic properties of the higher nervous activity in chickens. V. V. Ponomarenko. Nauch. soob. Inst. fiziol. AN SSSR no 3 126-130 '65.

## ANIMAL MAGNETISM

Comparative study of animal hypnotism in wild and domestic ducks. D. N. Evgenov. Nauch. soob. Inst. fiziol. AN SSSR no 3 98-40 '65.

## ANIMAL PRODUCTS—MICROBIOLOGY

Preservation of edible raw products. M. Kheifets. Mas. ind. SSSR 36 no 2 7-8 '65.

Preservation of technical raw materials. S. Liberman and others. Mias. ind. SSSR 36 no 2 9-10 '65.

## ANIMALS, HABITATIONS OF

"Maternity home" of polar bears: winter lairs on Vrangeli Island. S. M. Uspenskiy, F. B. Chernavskiy. Priroda 54 no 4 81-86 Ap '65.

## ANIMALS, HABITS AND BEHAVIOR OF

Effect of small doses of stelazine on the behavior of young animals. N. B. Poliakova. Vop. klin. patol. i lech. shiz. no 1 116-117 '64.

In the forest in winter. Nach. shkola 33 no 2 81-85 F '65

Materials on diurnal activity and estivation of the common dormouse. G. N. Likhachev. Biol. MOIP. Otd. biol. 70 no 2 5-17 Mr-Apr '65.

Physiological mechanisms of the so-called habit transfer. G. I. Shirikova. Zhur. vyz. nerv. deiat. 15 no 2 374-380 Mr-Apr '65.

Some characteristics of the behavior of wild and domesticated birds. E. V. Lukina. Nauch. soob. Inst. fiziol. AN SSSR no 3 110-112 '65

## ANIMALS, INFANCY OF

Formation and development of external and some forms of internal inhibition in early ontogenesis of animals born at an early stage of development. V. O. T. oshykhin. Fiziol. zhur. [Ukr.] 9 no 1 13-21 Ja-F '63

## ANIMALS, MARKING OF

Use of various methods of rodent marking in ecological studies. A. N. Soldatova. Zool. zhur. 44 no 2 266-275 '65

## ANIMALS AS CARRIERS OF DISEASE

(see also subdivision under White Russia)

Experience in detecting natural foci of tularemia on the territory of the Chuvash A. S. S. R. G. P. Uglov and others. Zhur. mikrobiol. i. epid. immunit. 42 no 4 21-25 Ap '65.

Role of domestic and synanthropic animals in the epidemiology of toxoplasmosis. A. E. Gligorashchenko, M. N. Mel'nik. Trudy TSU 68:60-61 '64.

## ANIONS

Effect of the adsorption of anions on the action of inhibitors of acid corrosion of iron and cobalt. Z. A. Iofa, V. V. Batrakov, Kho. Ngok Ba [Kho. Ngok Pa]. Zashch. met. 1 no 1 55-62 Ja-F '65.

## ANISIDINE

Use of p-toluidine and p-anilidine as indicators in cerimetry. A. Kh. Batalin, S. M. Poliakova. Trudy Oren. sel'khoz. inst. 14:178-182 '63.

## ANISOLE

Condensation of anisole with acetone and cyclohexanone in the presence of BF<sub>3</sub> · H<sub>2</sub>O complex. S. V. Zavgorodnii, A. V. Strashchenko. Zhur. org. khim. 1 no 1 105-111 Ja '65.

## ANKLE—FRACTURE

Pin for osteosynthesis of ankle fractures. A. K. Karanukhov. Voen.-med. zhur. no 6 70 '64.

## ANNEALING OF METALS

Investigating thermal and volumetric effects during the annealing of cold-worked patented steel. L. N. Larikov, I. P. Urchenko. Sbor. nauch. trud. Inst. metallofiz. AN URSR no 20 64-66 '64.

Texture formation during the annealing of strongly deformed silicon iron. R. A. Adametski and others. Izv. vuz. ucheb. zav. i. Chern. met. 8 no 5 133-139 '65.

ANOPELOCEPHALIDAE see subdivision under Nagorno-Karabakh Autonomous Province

## ANOXEMIA

Analysis of changes in the tonus of the vagus innervation center of the heart in hypoxic and anemic hypoxic in adult dogs. R. G. Torgulov. Biol. eksp. biol. i. med. 59 no 4 22-25 Ap '65.

Changes in hemodynamics in old age in hypoxia. N. V. Lauer and others. Vop. geront. i. geriat. 4:54-59 '65.

Effect of hypoxia on changes in the electroencephalogram. N. V. Khristenko. Trudy TSU 66:269-272 '64

Effect of prolonged oxygen deficiency on some functions of the myocardium. I. V. Shastin. Inform. biol. Sov. antark. eksp. no 50:42-45 '64.

Epileptic seizures caused by hypoxemia. V. B. Malkin, V. G. Terent'ev. Voen.-med. zhur. no 6 49-50 '64.

Hypoxia and acid-base equilibrium in dying from loss of blood under conditions of deep hypothermia and in the subsequent restoration of vital functions following a two-hour clinical death. O. N. Bulanova. Pat. fiziol. i. eksp. terap. 9 no 2 26-30 Mr-Apr '65.

Pathogenesis of stenocardial pain in seizures of bronchial asthma. P. N. Vasil'ev, V. I. Rovinskii. Sov. med. 28 no 1 123-124 Ja '65.

Preventive action of vitamin E in dystrophies caused by experimental chronic hypoxia. A. M. Alekseeva, A. V. Tkachenko. Pat. fiziol. i. eksp. terap. 9 no 2 39-42 Mr-Apr '65

Respiratory arrhythmia and respiratory arthroventricular block in hypercapnia and hypoxia. L. S. Ul'ianovskii, L. A. Dzharava. Fiziol. zhur. 51 no 1 110-114 Mr '65

Signaling device for the detection of hypoxic conditions and methods for the restoration of the respiratory functions. F. V. Babichinskii. Voen.-med. zhur. no 10 65-67 '64

## ANTARCTIC OCEAN

Boundaries of the Southern Ocean. V. G. Kott, E. S. Koiotkevich, V. G. Ledenev. Inform. biol. Sov. antark. eksp. no 50:5-7 '64.

## ANTARCTIC REGIONS—ATMOSPHERE, UPPER

Rise in temperature in the stratosphere over Antarctica during the winter of 1964, according to observations at Mirnyy. I. U. K. Fedorov. Meteor. i. gidrol. no 6 31-35 Je '65

## ANTARCTIC REGIONS—ATMOSPHERIC TEMPERATURE

Characteristics of surface inversions in Antarctica. A. M. Kovaleva. Inform. biol. Sov. antark. eksp. no 49: 9-12 '61.

Rise in temperature in the stratosphere over Antarctica during the winter of 1964, according to observations at Mirnyy. I. U. K. Fedorov. Meteor. i. gidrol. no 6 34-35 Je '65.

## ANTARCTIC REGIONS—ATMOSPHERIC TRANSPARENCY

Transparency of the atmosphere in the Antarctic. S. V. Zvereva. Inform. biol. Sov. antark. eksp. no 50:13-17 '64.

## ANTARCTIC REGIONS—CLIMATE

"Physical climatology of the Antarctic plateau" by P. C. Dalmyle. Reviewed by O. V. Kol'man. Meteor. i. gidrol. no 6 51-52 Je '65.

## ANTARCTIC REGIONS—CLIMATOLOGY, MEDICAL

Effect of prolonged oxygen deficiency on some functions of the myocardium. I. V. Shastin. Inform. biol. Sov. antark. eksp. no 50:42-45 '64.

## ANTARCTIC REGIONS—GEOLOGY

Ravich, M. G., L. V. Khimov, and D. B. Bolov'ev. [Pro-Cambrian of eastern Antarctica] Dokl. Akad. Nauk SSSR. Antarktidy. Moskva, Nedra, 1965. 460 p. (Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy, vol. 138)

## ANTARCTIC REGIONS—GEOLOGY, STRUCTURAL

Subglacial topographic structure of the region of the Antarctic station Mirnyy according to geophysical data. P. A. Stoyev, A. I. Frolov, V. B. TSukernik. Izv. AN SSSR. Fiz. zem. no 1 121-126 '65

## ANTARCTIC REGIONS—GEOPHYSICAL RESEARCH

By radio from the Antarctic. Inform. biol. Sov. antark. eksp. no 49:60-62 '64

By radio from the Antarctic. Inform. biol. Sov. antark. eksp. no 50:55-58 '64.

Observations at scientific stations in the Antarctic during the IGY and the IQSY. L. I. Dubrovina, V. N. Petrov. Inform. biol. Sov. antark. eksp. no 49:48-53 '61

## ANTARCTIC REGIONS—ICE

Distribution of ocean waves in drift ice. I. F. Inform. biol. Sov. antark. eksp. no 49:68 '64.

## ANTARCTIC REGIONS—IONOSPHERIC RADIO WAVE ABSORPTION

Polar absorption and transmission of radio waves in the Antarctic. V. M. Driatskii. Inform. biol. Sov. antark. eksp. no 50:28-33 '64.

## ANTARCTIC REGIONS—IONOSPHERIC RADIO WAVE PROPAGATION

Polar absorption and transmission of radio waves in the Antarctic. V. M. Driatskii. Inform. biol. Sov. antark. eksp. no 50:28-33 '64.

## ANTARCTIC REGIONS—MAGNETISM, TERRESTRIAL

Magnetic activity in the eastern sector of Antarctica. L. N. Zhigalov. Tr. I. Arkt. i. Antark. no 10:45-53 '65.

## ANTARCTIC REGIONS—MAGNETISM, TERRESTRIAL—TABLES, ETC.

Navigation table of magnetic declination for the Mirnyy-Vostok route. N. D. Medvedev. Inform. biol. Sov. antark. eksp. no 50:34-37 '64.

## ANTARCTIC REGIONS—MAPS

Maps of the Antarctic published in England in 1963. I. A. P. Koblenits. Inform. biol. Sov. antark. eksp. no 49: 57-59 '64.

## ANTARCTIC REGIONS—MEDICAL RESEARCH

A short summary of medical research during the work of the Soviet Antarctic Expedition. N. R. Derlaga. Inform. biol. Sov. antark. eksp. no 49:44-47 '64.

## ANTARCTIC REGIONS—METEOROLOGY

Role of the Antarctic in the energy balance of the earth's atmosphere. P. D. Astapenko, V. S. Savonichev. Inform. biol. Sov. antark. eksp. no. 50:8-12 '64.

## ANTARCTIC REGIONS—PENGUINS

Adelie penguins and a physiological "clock". A. I. Inutkina. Inform. biol. Sov. antark. eksp. no. 49:65 '64. Mortality of a brood of emperor penguins. M. Prior. Probl. Arkt. i Antark. no. 19:54-61 '65.

## ANTARCTIC REGIONS—PHYSICAL GEOGRAPHY

Structure of the relief under the ice in the central part of East Antarctica. G. I. Lazarev, S. A. Ushakov. Inform. biol. Sov. antark. eksp. no. 49:42-32 '64.

## ANTARCTIC REGIONS—RADIO STATIONS

Distant radio stations. Radio no. 5:26-27 My '65.

## ANTARCTIC REGIONS—SALT DEPOSITS—ANALYSIS

Composition of readily soluble salts in loose Quaternary terrigenous deposits of the central and western sectors of East Antarctica. P. S. Voronov, N. S. Spiro. Probl. Arkt. i Antark. no. 19:10-15 '65.

## ANTARCTIC REGIONS—SNOW—PERMEABILITY

Methodology of determining the air permeability of snow. V. N. Pet'ov. Inform. biol. Sov. antark. eksp. no. 50:16-23 '64.

## ANTARCTIC REGIONS—TRANSPORTATION

Factors influencing the economic operational indexes of transport work in Antarctica. S. B. Slevich. Inform. biol. Sov. antark. eksp. no. 50:46-54 '64.

## ANTARCTIC REGIONS—WHALES

Increase in the rentability of Antarctic whalers. N. I. Evutkh. Ryb. khoz. il no. 4:80-82 '65.

## ANTARCTIC REGIONS—WOUNDS—MICROBIOLOGY

Course of wound processes under nearly sterile conditions. G. A. Butashkov. Vest. khir. 94 no. 2:175-79 F '65.

## ANTENNAS (ELECTRONICS)

Experimental study of highly directional zonal reflecting systems for forming fan-type radiating patterns. E. A. Vorob'ev. Izv. vys. ucheb. zav., radiotekh. 8 no. 1:103-104 Ja-F '65.

Highly directional antennas with variable aperture and signal processing after frequency conversion. E. A. Vorob'ev. Izv. vys. ucheb. zav., radiotekh. 8 no. 1:35-40 Ja-F '65.

Kulaginikov, A. M., and IA. V. Stupak. [Principles of radio engineering and radar; oscillatory systems] Osnovy radiotekhniki i radiolokatsii, kolebatel'nye sistemy. Izd. 3., perer., Moskva, Voenizdat, 1965. 382 p.

Slot radiator with ferrite controlled polarization. IU. V. Shubaiin, A. N. Mugda. Izv. vys. ucheb. zav., radiotekh. 8 no. 1:119-121 Ja-F '65.

Statistical characteristics of field fluctuations of the distant zone of an antenna lattice. L. G. Sodin, L. Z. Mogul'skii. Radiotekh. i elektron. 10 no. 4:603-609 Ap '65.

## ANTHOCYANIN

Effect of some antioxidants on the stability of anthocyanins in wine storage. G. G. Valukko. Izv. vys. ucheb. zav., fizich. tekhn. no. 2:83-85 '65.

## ANTHOMYIDAE see subdivision under Kustanny Province

## ANTHRACENE

Copolymerization of 2-vinyl-9,10-diphenylanthracene with styrene. A. S. Cherkasov, K. G. Voldakina. Vysokom. soed. 7 no. 1:175-179 Ja '65.

Influence of paramagnetic centers on some physical properties of anthracene. V. F. Mulikov and others. Izv. AN SSSR, Ser. khim. no. 5:932-933 '65.

Study of tetracyclines. Report No. 34: Synthesis of 8-chloro-5-methoxy-3,10-diketone-1,2,3,4,4a,9,10a-octahydroanthracene. IU. A. Arbuzov and others. Izv. AN SSSR, Ser. khim. no. 5:808-810 '65.

## ANTHRAQUINONES

Papir chromatography of anthraquinone derivatives. Chloroanthraquinones. N. S. Dokumikhin, B. N. Kolokolov. Zhur. anal. khim. 20 no. 3:398-400 '65.

## ANTHRAQUINONESULFONIC ACID

New disulfonic acids of anthraquinone. N. S. Dokumikhin, L. A. Gaeva. Zhur. org. khim. 1 no. 1:201-202 Ja '65.

## ANTHRAX see subdivision under Krasnoyarsk Territory

## ANTHRAX—MICROBIOLOGY

Antigenic structure of the vaccinal strain of Bacillus anthracis. E. N. Levina, L. N. Kats. Zhur. mikrobiol., epid. i immun. 41 no. 10:85-89 '64.

## ANTHRAX—PREVENTIVE INOCULATION

Epidemiological and immunological effectiveness of scarification vaccinations with STI vaccine in enterprises processing raw material of animal origin. Z. K. Abbasov, D. D. Sultanov. Azerb. med. zhur. 43 no. 1:77-81 Ja '65.

Study of immunogenesis in vaccination with live associated vaccine. Report No. 1. Study of immunogenesis in guinea pigs vaccinated with brucellosis and anthrax vaccines. E. A. Gubina, M. I. Chernysheva. Zhur. mikrobiol., epid. i immun. 41 no. 10:3-7 '64.

## ANTHROPOLOGY—CONGRESSES

Averkieva, IU. P., and V. K. Sokolova. [7th International Congress of Anthropological and Ethnological Sciences] VII Mezhdunarodny kongress antropologicheskikh i etnograficheskikh nauk. Moskva, Izd-vo "Znanie", 1965. 31 p. (Novoe v zhizni, nauke, tekhnike, I Seriya; Istoriia, no. 10)

International Congress of Anthropology and Ethnography in Moscow. M. P. Prikhod'ko. Ukr. ist. zhur. 8 no. 6: 115-146 N-D '64.

## ANTIBIOTICS

Acquisition of the resistance to antibiotics and the variability of *E. coli* and *Bact. proteus* under the conditions of continuous flow cultivation. O. M. Kovalevska. Mikrobiol. zhur. 26 no. 3:50-53 '64.

Antagonistic properties of some soil bacteria. O. O. Fedorova, K. P. Leon'eva. Mikrobiol. zhur. 27 no. 2:42-45 '65.

Biologically active substances of natural origin: antibiotics, bacterial polysaccharides, interferon. Z. V. Ermol'eva. Voen.-med. zhur. no. 7:23-27 '64.

Chicken embryos as a model for testing trichomonadical antibiotics. L. K. Liubimova. Antibiotiki 10 no. 2: 130-133 F '65.

Combined effect of antibiotics on *Bacterium proteus*: study of the influence of streptomycin, syntomycin and kanamycin on *Bacterium proteus* in experiments in vitro and in vivo. A. I. A. Tsyganenko. Trudy Khar. med. inst. no. 36:191-199 '67.

Combined effect of antibiotics on *Enterococcus*. Report No. 1: Sensitivity of *Enterococcus* to antibiotics. A. L. Sydechenko. Trudy Khar. med. inst. no. 36:201-207 '67.

Comparative study of the effect of penicillin, streptomycin and chlorotetracycline on the motor activity of the gastrointestinal tract in patients with chronic infectious colitis. A. G. Saakian, N. L. Arutunova, E. A. Nikolaeva. Antibiotiki 10 no. 2:170-173 F '65.

Comparison of the sensitivity of pathogenic staphylococci to antibiotics with the results of their phage typing. I. M. Bunatova. Antibiotiki 10 no. 2:165-169 F '65.

Correlation of toxigenicity, sensitivity to phages and antibiotics in variants of *Corynebacterium diphtheriae* produced in the interaction with diphtheria, staphylococcal and streptococcal phages. E. V. Bakulina. Antibiotiki 10 no. 2:169-182 F '65.

Determination of the antagonism in micro-organisms with the help of colloidal capsules. A. D. Naibandian. Izv. AN Arm. SSR Biol. nauki 18 no. 3:11-14 Mr '65.

Directed antibiotic treatment in open fractures of the small tubular bones of the foot and hand. S. F. Vasil'ev. Ortop. i travm. i protez. 26 no. 2:58-60 F '65.

Effect of antagonists of protein synthesis on the ribosomal apparatus of the yeast cell. L. A. Shavchenko, I. I. Filipovich. Dokl. AN SSSR 161 no. 6:1461-1464 Ap '65.

Effect of antibiotics on the development of antibodies in the immunization of rabbits with a tetravalent vaccine. Report No. 1. N. S. Sukhonesova. Trudy Khar. med. inst. no. 36:210-224 '67.

Effect of antibiotics on the enzyme systems of bacteria. Report No. 3: Effect of levomycetin and streptomycin on the phosphatases of the colon bacillus and Flexner's dysentery bacilli. E. L. Lofsfeld. Trudy Khar. med. inst. no. 36:187-189 '67.

Effect of antibiotics salvin and kanasatin on pyogenic cocci. IE. L. Mishenkova. Mikrobiol. zhur. 27 no. 2:45-48 '65.

Effect of mitomycin C, actinomycin C and puromycin on protein synthesis in cellular strains obtained from human tumors. M. I. Lerman, M. S. Beniumovich. Dokl. AN SSSR 162 no. 4:956-959 Ja '65.

Effect of some antibiotics on the development of the Zdrodovskii-Sanarelli-Shwartzman phenomenon. Z. G. Joffe. Trudy Khar. med. inst. no. 36:215-218 '67.

Effect of some antibiotics on the reactivity of the components of interoceptive reflexes. G. G. Popovich and others. Antibiotiki 10 no. 2:122-130 F '65.

Effectiveness of antibiotics in the experimental leptospirosis of calves and lambs. Zh. R. Arzumandian. Dokl. Akad. sei'kh. nauk. 2:36-38 F '65.

Induction of a lysogenic culture of *Micrococcus lysodeikticus* by antibiotics selectively inhibiting deoxyribonucleic acid synthesis. IU. V. Dudnik. Antibiotiki 10 no. 2:112-117 F '65.

Methods for the control of carriers of pathogenic staphylococci. Z. V. Ermol'eva and others. Trudy TSU 68:125-130 '64.

New synthetic antimicrobial preparations. Antimicrobial activity of some anthranilide derivatives. M. M. Roimistov, H. V. Kulyk, O. S. Nevskiy. Mikrobiol. zhur. 27 no. 2:52-58 '65.

Prevention of puerperal infection. D. A. Lutsenko.

Akush. i gin. 40 no. 5:88 S-O '64. Prevention of severe puerperal infection. A. V. Bartel's, Z. P. Grashchenkova, Akush. i gin. 40 no. 5:80-85 S-O '64.

Rapid method for determining the sensitivity of microflora to antibiotics and bacteriophages. V. N. Kolesaev, T. A. Levina. Voen.-med. zhur. no. 7:72-74 '61.

Adsorption of erythrocytes and penetration of some antibiotics into them. O. O. Sukachova. Mikrobiol. zhur. 27 no. 2:61-64 '65.

Study of the possibility of the in vitro adaptation of *Proteomonas israëli* to some antibiotics. A. V. Golikov. Antibiotiki 10 no. 2:103-105 F '65.

Studying the effect of antibiotics on the change in titrated acidity of milk. D. Murashova and others. Sbor. stuz. rab. VMI no. 3:59-62 '63.

Treating chronic carriers of diphtheria bacilli with antibiotics and vitamin C. Z. V. Ermol'eva, N. A. Pasternak. Trudy TSU 68:131-135 '64.

Treatment of experimental dysentery infection, induced by antibiotic-resistant strains of Flexner's dysentery bacteria, with the combination of antibiotics and a preparation stimulating immunogenesis. G. K. Kovalev. Antibiotiki 10 no. 2:118-131 F '65.

Unsaturated acids and macrocyclic lactones. Report No. 16: Synthesis of compounds related to methymicine. L. D. Bergelson, S. G. Batrakov. Izv. AN SSSR, Ser. khim. no. 5:818-825 '65.

Variability of diphtheria bacilli under the influence of antibiotics. N. S. Zikeeva. Trudy Khar. med. inst. no. 36:200-213 '57.

## ANTIBIOTICS—RESEARCH

Experimental study of antibiotics on the model of a chicken embryo. T. M. Kokhanovskaya, A. A. Dzhamanbaeva. Trudy TSU 68:155-161 '64.

## ANTIBIOTICS AS FEED

Morphological and functional changes in the stomach of swine with catarrhal gastroenteritis under the effect of feed bionycin and feed terramycin. V. E. Chumachenko. Trudy mol. uch. UASHN no. 9:71-77 '63.

## ANTICOAGULANTS (MEDICINE)

Study of the thrombolytic activity of aspartic acid in experimental thrombosis. S. M. Strukova, G. V. Andriyenko. Arkh. pat. 27 no. 4:23-20 '65.

Thrombogenesis and treatment of thrombosis and embolism. B. V. Kontaev. Voen.-med. zhur. no. 6: 33-38 '64.

Use of anticoagulants in the treatment of thrombo-obliterating diseases. V. A. Zakharov. Vest. khir. 94 no. 2:36-38 F '65.

## ANTICOMMUNIST PROPAGANDA see Propaganda, Anticommunist

## ANTIGENS AND ANTIBODIES

Antigen composition of streptococcal allergen. M. N. Smirnova. Zhur. mikrobiol., epid. i immun. 41 no. 10:37-43 '64.

Antigen structure of the *Escherichia coli* strain M-17. IU. I. Subbotina. Zhur. mikrobiol., epid. i immun. 41 no. 11:50-55 N '64.

Antigenic components of the host in the viral structure. P. N. Kozlovsk, Z. I. Rovnova. Vop. virus. 10 no. 1:17-23 Ja-F '65.

Antigenic structure of the vaccinal strain of *Bacillus anthracis*. E. N. Levina, L. N. Kats. Zhur. mikrobiol., epid. i immun. 41 no. 10:85-89 '64.

Comparative study of the polysaccharide-containing fraction of alkali-forming enterobacteria obtained after extraction of a complete antigen. II. M. Lavashuk. Mikrobiol. zhur. 27 no. 2:17-23 '65.

Complement fixation reaction with Rickettsia antigens in various age groups of the population. G. S. Chasovnikova. Zhur. mikrobiol., epid. i immun. 42 no. 4:47-52 Ap '65.

Dynamics of antibody formation in typhoid fever based on data of the hemagglutination reaction. K. V. Bunin, N. S. Modanova. Zhur. mikrobiol., epid. i immun. 12 no. 4:102-104 Ap '65.

Effect of antibiotics on the development of antibodies in the immunization of rabbits with a tetravalent vaccine. Report No. 1. N. S. Sukhonesova. Trudy Khar. med. inst. no. 36:210-224 '67.

Effect of concomitant cholecystocholangitis on immunological reactions in typhoid fever patients. A. P. Kazantsev. Zhur. mikrobiol., epid. i immun. 42 no. 4:112-118 Ap '65.

Effect of drug-induced sleep on the development of precipitins. N. V. Vasil'eva. Trudy Khar. med. inst. no. 36:220-228 '67.

Effect of the transplantation of homologous hemopoietic cells on the synthesis of antibodies in irradiated animals. A. S. Shavelev. Biul. eksp. biol. i med. 59 no. 4:77-80 Ap '65.

Effort to detect humoral antineoplastic antibodies in mice immune to isogenic sarcomas induced by methylcholanthrene. O. M. Lezhneva. Biul. eksp. biol. i med. 59 no. 4:80-91 Ap '65.

Enteral immunization against typhoid fever. Report No. 2: Effectiveness of enteral immunization with chemical Vi- and O-antigens. B. B. Porshin. Zhur. mikrobiol., epid. i immun. 41 no. 10:107-110 '64.



## ANTIGENS AND ANTIBODIES (Continued)

- Immunological properties of a soluble Rickettsia pro: izekii antigen. Report No. 1 'Antigenic structure of Rickettsia pro: izekii based on data of chromatographic analysis on diethylaminoethyl cellulose' E. P. Lukin and others Zhur mikrobiol., epid. i immun. 12 no 4-11-17 Ap '65.
- Immunological properties of normal tissue antibodies M. S. Lorkin, E. V. Sokolova, S. S. Fugelman Biol. khim. biol. i med. 39 no 4-84-84 Ap '65.
- Immunological reactions of isolated cells. Report No. 1 'Antibody synthesis by single cells isolated from animals immunized with two antigens' I. A. TS Shvartsman, M. K. Karpov, A. E. Zuev. Zhur mikrobiol., epid. i immun. 41 no 10-43-47 '64.
- Intratype antigenic variations of the type I poliovirus I. V. Nadanikh Vop. virus. 10 no 1-49-50 Ja-F '65.
- Is the problem of the antibody accumulation rate following revaccination fully clarified? (Concerning F. A. Chertkova and S. K. Sokolova's article 'Reply to D. F. Pletsitskiy') D. I. Pletsitskiy Zhur mikrobiol., epid. i immun. 41 no 10-146-150 '64.
- Isolation of antigens from lepto-pint destroyed by ultra-sonics A. S. Sanudo, T. M. Akhmedova S. G. Kosidzeva Zhur mikrobiol., epid. i immun. 12 no 4-57-60 Ap '65.
- Labeling specific antibodies with radioisotopes. E. M. Zhanitova, V. M. Stukhanova. Trudy TSU 68 122-124 '61.
- Microscopic study of the agglutination reaction with various bacterial antigens L. B. Bogotavlenskaya Zhur mikrobiol., epid. i immun. 41 no 10-56-60 '64.
- Morphology of early reactive changes in rats following introduction of a mycobacterial stimulant. G. V. Koval'skii Arkh. pat. 27 no 4-57-65 '65.
- Natural antibodies in fishes V. I. Lukhanenko Zool. zhur. 44 no 2-300-304 '65.
- Possibility of antibody formation in the transplantation of cells of the reticuloendothelial system into an animal organism I. K. Lisunskina Zhur mikrobiol., epid. i immun. 41 no 10-12-16 '64.
- Primary immunological response: a study of the dynamics of the appearance and the morphology of antibody-containing cells with the aid of Coon's indirect method K. A. Lebedev Arkh. pat. 27 no 2-60-67 '65.
- Properties of antibodies fixed on particles and aspects of their use in microbiology Report No. 5 A. K. Adamov Zhur mikrobiol., epid. i immun. 41 no 11-3-7 '64.
- Rate of the incorporation of antigen and its distribution in the tissue of a fish (Rutilus rutilus L.). V. I. Lukhanenko, I. U. L. Sorokin Dokl. AN SSSR 161 no 5; 1246-1248 Ap '65.
- Results of immunological prevention of experimental atherosclerosis and problems of the mechanism of the inhibiting effect of  $\beta$ -lipoprotein antigens in this process. M. N. Sultanov Azerb. med. zhur. 42 no 1-22-27 Ia '65.
- Secondary immunological response, study on the dynamics of the manifestation and morphology of antibody-containing cells using the indirect Coon's method K. A. Lebedev Arkh. pat. 27 no 5-30-35 '65.
- Study on the correlation between the pathogenicity of viruses of the tick-borne encephalitis group to animals and the characteristics of multiplication in the organism Report No. 2: Detection by the fluorescent antibody method of noninfectious viral antigen in the organs of animals infected with the Malaya Langat (TP-21) virus V. V. Pogodina, Khan' Shi-tze [Han Shih-chieh] Vop. virus. 10 no 1-30-38 Ja-F '65.
- Studying the pathogenesis of paratyphoid diseases in animals using fluorescent antibodies P. I. Pritulin Dokl. Akad. sel'khoz. nauk no 3-31-35 Mr '65.
- Use of the virus neutralization reaction in the culture of the kidney tissue of baby rabbits for evaluating the immunity against foot-and-mouth disease. A. A. Sviridov. Vop. vet. virus. 1-227-232 '64.
- Virulent, immunogenic, and complement fixation characteristics of the virus of foot-and-mouth disease. E. L. Salazhova and others. Vop. vet. virus. 1-200-203 '64.

## ANTIGENS AND ANTIBODIES—ANALYSES

- Essel', A. E. [Indirect hemagglutination reaction] Reaktsiya nepriamoi gemagglutinatsii. [Leningrad] Meditsina, 1965 50 p.
- (DNLM)
- Expérimenté en the use of immunodiffusion-réaction in agar for the clarification of the role of individual blood serum protein fractions and formation of antibodies in typhoid fever and dysentery A. I. Ivanov. Zhur mikrobiol., epid. i immun. 42 no 4-111-112 Ap '65.
- Mol'kov, R. N. [Immunological aspects of the prevention diagnosis and treatment of cancer] Immunologicheskie aspekty profilaktiki, diagnostiki i terapii raka. Moskva, Meditsina, 1965, 243 p.
- (DNLM)
- Obtaining pure antibodies and determining absolute quantities of antibodies in serums with the help of antigens fixed on cellulose. A. E. Gurvich. Sov. metod. v. biokhim. 1-73-87 '64.
- Passive hemagglutination reaction with chemical preparations of O and VI-antigens to Salmonella typhi in the diagnosis of typhoid fever and carrier state. N. A. Kraskina and others Zhur mikrobiol., epid. i immun. 42 no 4-116-121 Ap '65.

Use of direct precipitation reaction in foot-and-mouth disease N. K. Oshchuk, A. I. Rudnikov Vop. vet. virus. 1-182-189 '64.

## ANTIHISTAMINES

- Antihistamines in the treatment of acute pancreatitis. V. M. Lashchevker Vest. khir. 92 no 6-25-28 Je '64.

## ANTIHYPERTENSIVE AGENTS

- Effect of hypotensive substances on the level of blood pressure in dogs with experimental hypertension originated in the central nervous system. E. K. Pikhod'kova, I. N. Timashev. Trudy Khim. med. inst. no. 36: 99-102 '57.
- Pharmacological study of some phenamine derivatives. N. N. Petrenko. Trudy Khim. med. inst. no. 36: 311-317 '57.
- Pharmacological study of the hypotensive effect of some phenamine derivatives. E. A. Krasnovskaya. Trudy Khim. med. inst. no. 36: 305-310 '57.

## ANTIMONIC ACID

- Reaction of esters of antimonous acid with ketone. V. L. Foss, E. A. Resolova, T. F. Lutsenko. Zhur. ob. khim. 35 no 4-759-760 Ap '65.

## ANTIMONY

- Extraction of antimony (III) by alkyl phosphoric acids and the possibility of its separation from the accompanying elements I. S. Levin, A. A. Shatalova, Doki. AN SSSR 161 no 5-1158-1160 Ap '65.

## ANTIMONY—ETCHING

- Investigating the process of etching dislocations in antimony crystals. L. M. Soifer. Zashch. met. 1 no 1-29-35 Ja-F '65.

## ANTIMONY—THERMAL PROPERTIES

- Maximum on the melting curve for antimony. S. M. Sitshov, N. A. Tikhomirova Zhur. eksp. i teor. fiz. 48 no 4-1215-1216 Ap '65.

## ANTIMONY IODIDE CRYSTALS

- Anomalous strong effect of pressure on the optical and ferroelectric properties of SbSI single crystals. K. Guliamov and others. Dokl. AN SSSR 161 no 5: 1060-1062 Ap '65.

## ANTINEOPLASTIC AGENTS

- Antitumoral and toxic action of individual antineoplastic (actinomycins) O. V. Zubova Dokl. AN SSSR 162 no 4-934-936 Je '65.
- Potential cytotoxic arrangements. Part 6: Reactivity of esters of N-ethyl and N-(2-chloroethyl)-N-arylsulfonamide, carbamic and sulfamic acids L. S. Yaguzhinskiy, A. D. Chinnova, A. A. Berlin. Zhur. ob. khim. 1 no 1-86-89 Ja '65.
- Study of the antineoplastic activity of basic polypeptides in vitro. T. G. Terent'eva. Trudy TSU 68-150-154 '64.

## ANTIOXIDANTS

- Antioxidant properties of propyl gallate and butyl hydroxy toluol. G. S. Khristoforzen Izv. vys. ucheb. zav. pishch. tekhn. no 2-86-88 '65.
- Use of antioxidants in protecting salted anchovies from oxidation G. S. Khristoforzen Ryb. khoz. 41 no 3: 66-67 '65.

## ANTIPYRINE

- Complex formation in the systems titanium (IV) - gallic acid - antipyrine and titanium (IV) - pyrogallolcarboxylic acid - antipyrine. S. I. A. Shneiderman, E. N. Kolazeva. Ukr. khim. zhur. 31 no 1-27-32 '65.

## ANTIRETICULAR CYTOTOXIC SERUM

- Therapeutic effect of small doses of antireticular cytotoxic serum in influenzal lesions of the retina and the optic nerve. L. A. Loboduk Trudy I-go MMI 32-97-106 '64.

## ANTITANK GUNS

- Armor-piercing subcaliber projectiles. E. Dobrovol'skii, Izobr. i rata. no. 5: 5-7 '65.

ANTOFAGASTITE see subdivision under Dzhezkazgan region (Kazakhstan)

## AORTA—DISEASES

- Correlation between the fundamental types of the morphological manifestations of atherosclerosis in the aorta and the coronary arteries of the human heart, a planimetric study. G. G. Avtandilov. Arkh. pat. 27 no 3: 18-25 '65.
- Experimental stenosis of the thoracic aorta in rats (model of cardiac defect and hypertrophy). A. Kh. Kogan, V. I. Babinkov Pat. fiziol. i eksp. terap. 9 no 2-177-78 Mr-Ap '65.

## AORTA—SURGERY

- Morphogenesis and morphology of the capsule of vascular prostheses of synthetic materials, experimental study. N. A. Bykova, N. B. Dobrova. Arkh. pat. 26 no 12: 38-45 '64.

## AORTA—WOUNDS AND INJURIES

- Intrapericardial injury of the aorta. N. A. Taranin. Vest. khir. 94 no 2-101 F '65.

## AORTIC ANEURYSMS

- Atherosclerotic aneurysm of a coronary artery in conjunction with atherosclerotic aortic aneurysm V. G. Lashchev Arkh. pat. 26 no 12-73-74 '61.

## APARTMENT HOUSES

- (see also subdivision under Rostov-on-Don)
- Against "homemade beauties." V. Irkutov. Stroil. i arkh. Sted. Az. 1 no 9-17 S '64.
- Stolbov, V. P., and A. T. Ovsiannikov. [Work practices in sealing electric wires in reinforced concrete panels of standard apartment houses] Opyt raboty po zamozhivaniu elektri oprovodki v zhelezobetonnykh paneli tipovykh zhylykh domov. Novosibirsk, Trest Sibeletromontazh, 1963. 60 p.

[MICROFILM]

## APARTMENT HOUSES—DESIGN AND CONSTRUCTION

- (see also subdivision under Kuybyshev)
- Improved 1-3101 series of standard plans for residential buildings with brick walls B. I. Bilan, M. A. Akimov. Stroil. i arkh. Sted. Az. 1 no 9-6-9 S '61.
- Some problems in designing multi-story apartment houses. G. Kuznetsov. Stroil. i arkh. Mosk. 14 no 1-16-18 Ap '65.

## APARTMENT HOUSES—HEATING AND VENTILATION

- Moscow. Tsentral'nyi nauchno-issledovatel'skii i projektiruyemyi institut tipovogo i eksperimental'nogo zhitel'stva. [Heat engineering qualities and the microclimate of large-panel apartment houses] Teploeklicheskie kachestva i mikroklimat krupnopanel'nykh zhylykh zdani. Pod red. B. F. Vasil'eva Moskva, Stroizdat, 1965. 244 p.

APATITE see subdivision under Balkan Lake region, Volga Valley

## APOPLEXY

- Diagnosis of epidural and subdural hemorrhages in acutely closed cerebrocranial trauma. I. B. Kaplan. Voen.-med. zhur. no. 6: 20-22 '64.

## APOSTOLOVO (DNEPROPETROVSK PROVINCE)—RAILROADS—EMPLOYEES

- Glorious achievements of a progressive collective. I. U. N. Vol'kovich. Put' i put. khoz. 0 no 4-6-3 '65.

APPARENT DEATH see Death, Apparent

## APPELLATE PROCEDURE

- Issuing a new decision on the substance of a litigation by a superior court K. Komissarov Sov. iust. 20 no 6-16-18 Mr '65.
- Strengthen the procedural guarantees of the rights of persons, who are parties to a case, in the determination of a civil case in appellate and supervisory proceedings. A. Mel'nikov. Sots. zakon. 42 no 6-61-64 My '65.

## APPENDECTOMY

- Appendectomy in children with rheumatic fever. A. L. Cheskin. Sov. med. 28 no 1-71-74 Ja '65.

## APPENDECTOMY—COMPLICATIONS AND SEQUELAE

- Some causes of unsatisfactory results of an appendectomy. I. B. Rozanov, R. S. Rubinov. Trudy TSU 66: 205-223 '64.

## APPENDICITIS

- Characteristics of the course of acute appendicitis in children with apical fractures M. L. Dmitriyev, I. V. Prokopova. Vest. khir. 93 no 12-98-100 D '64.

## APPENDICITIS—COMPLICATIONS AND SEQUELAE

- Acute appendicitis in persons over 60 years of age. A. N. Bananov. Sov. med. 28 no 1-53-56 Ja '65.
- Clinical significance of the topography of infiltrates and abscesses of appendicular origin. I. L. Joffe, R. A. Aksanov. Sov. med. 28 no 1-61-66 Ja '65.

## APPENDIX (ANATOMY)—DISEASES

- Simultaneous perforation of the vermiform process and the duodenum A. V. Gushchvili Vest. khir. 93 no 12-103 '64.

## APPETITE

- Change in the conditioned reflex activity in mice depending on the degree of the alimentary excitability and age. Vikt. K. Fedorov. Nauch. soob. Inst. fiziol. AN SSSR no 3: 160-163 '65.
- Materials on the characteristics of alimentary excitation (appetite) in dogs. I. I. Isneva. Nauch. soob. Inst. fiziol. AN SSSR no 3: 43-47 '65.

APPLE—DISEASES AND PESTS see subdivision under Dzhezkazgan region (Kazakhstan)

## APPLE SCAB

- Activity of oxidative enzymes in apple varieties different as to scab resistance. M. V. Gorlenko, L. A. Ischenko. Blul. MOIP, Otd. biol. 70 no 2: 90-98 Mr-Ap '65.
- Application of activated azeolins with the admixture of fungicides for apple scab control; preliminary report. N. N. Selochnik. Blul. Glav. bot. sda no 58: 73-76 '64.

**APPLE SCAB (Continued)**  
Free amino acid content in leaves of apple varieties different as to their resistance to scab and their effect on the growth of *Fusicladium dendriticum* Puck. in culture. L. A. Ishchenko. Vest. Mosk. un. Ser. 6: Biol., p. 20 no. 2:15-20. M.-Ap. '65.

**APHICOT—DISEASES AND PESTS** see subdivision under Moldavia

#### APPROXIMATE COMPUTATION

Some problems of approximation on sets in the complex plane. I. Sh. Chatskaya. Dokl. AN SSSR 162 no. 1: 30-32. My '65.

#### APSHERON PENINSULA—OIL FIELD BRINES

Brine waters of the Apsheron Archipelago and the conditions governing their formation. V. S. Moldavskii. Izv. vys. ucheb. zav., nef' i gaz. 8 no. 3:9-11. '65.

#### AQUARIUMS

How to keep the water temperature constant. B. M. Glikin. Priroda 54 no. 5:112. My '65.

#### AQUATIC SPORTS

(see also subdivision under Kazan; Riga)  
Meeting sea winds. . . . A. Kuz. Voen. znani. 41 no. 6:13. Je '65.

Not guests, but hosts. A. Pechatov. Voen. znani. 41 no. 3:13. Mr '65.

Otolaryngological screening of participants in water sports and their supervision. V. A. Levando. Voen.-med. zhurn. no. 7:65-67. '64.

Traut tempered young people. O. Machinskii. Voen. znani. 41 no. 6:42-43. Je '65.

#### AQUATION

Aquation reaction of cobalt (III) complex compounds in mixed aqueous-organic solutions. V. D. Panastuk. A. V. Arkharov. Uki khim. zhur. 31 no. 4:330-332. '65.

**AQUEDUCTS** see subdivision under Armenia

#### ARAB COUNTRIES—COMMERCE

On the economic unity of Arab countries. A. A. Irtuganov. BIKI [Filozof.] no. 7:1-11. Je '65.

#### ARAB COUNTRIES—ECONOMIC CONDITIONS

On the economic unity of Arab countries. A. A. Irtuganov. BIKI [Filozof.] no. 7:1-11. Je '65.

#### ARAB COUNTRIES—PETROLEUM INDUSTRY

Petroleum and independence. R. Andrasian. Mezhdunar. zhizn' 12 no. 5:127-128. My '65.

#### ARAB COUNTRIES—POLITICS

The unity of Arab countries. Az. i Afr. seg. 8 no. 5: 17-19. My '65.

#### ARABIA—GEOLOGY

Pre-Cambrian and Paleozoic of the northwestern part of the Arabian Peninsula. V. P. Pomikarov. V. G. Kaz'min. Sov. geol. 8 no. 3:69-69. '65.

#### ARAGATS, MOUNT—PLANTS, EFFECT OF ULTRA-VIOLET RAYS ON

Effect of ultraviolet irradiation on the growth of plants and the pigment content of plastids under the conditions of the Mount Aragats. S. G. Narinlan, R. G. Della-Rossa, V. P. Voskanian. Izv. AN Arm. SSR, Biol. nauki 18 no. 2: 37-40. F '65.

#### ARAKS VALLEY—SOIL FORMATION

Genesis of chestnut humus-sulfate soils in the Araks Valley. Sh. G. Gasanov. Izv. AN Azerb. SSR, Ser. biol. nauk no. 1:85-92. '65.

#### ARAL SEA—FISH INTRODUCTION

Characteristics of the distribution and replenishment of the "hubyr" goby stock during its acclimatization in the Aral Sea. U. A. Baimov. Uzb. biol. zhur. 9 no. 2:60-68. '65.

#### ARAL SEA—FISHERIES—ECONOMIC ASPECTS

Some economical problems of the fishing industry in the Aral Sea. Sh. Teubergenov. Ryb. khoz. 41 no. 4: 75-77. '65.

#### ARAL SEA—GOBIES

Characteristics of the distribution and replenishment of the "hubyr" goby stock during its acclimatization in the Aral Sea. U. A. Baimov. Uzb. biol. zhur. 9 no. 2:60-68. '65.

#### ARAL SEA REGION—GEOLOGY, STRATIGRAPHIC

Concerning the stratification of the Lower Cretaceous sediments in the southern Aral Sea region. V. A. Turanov, V. P. Gavrilov, R. I. Bykov. Izv. vys. ucheb. zav., geol. i razv. 7 no. 11:30-41. N '64.

#### ARARAT PLAIN—FUNGI

Essay on the mycoflora of the Ararat Plain. D. N. Teteremkova-Babayan. Izv. AN Arm. SSR, Biol. nauki 18 no. 1:3-13. Ja '65.

#### ARARAT PLAIN—PEAS

Effect of the state of the pollen of various ages on the pea progeny formation under different soil and climate conditions. R. A. Oganesian. Izv. AN Arm. SSR, Biol. nauki 18 no. 2:31-35. F '65.

#### ARARAT PLAIN—POTATOES

Nature of morphogenetic processes in potatoes. S. G. Evandim. Izv. AN Arm. SSR, Biol. nauki 18 no. 3:50-56. Mi '65.

#### ARBITRATION AND AWARD

(see also subdivision under Tajikistan; Ukraine)  
Arbitration practice. Sov. iust. 28 no. 12:29-30. Je '61.

Elevate the role of the arbitration tribunal. IU, Kikimov. Sov. iust. 28 no. 12:18. Je '61.

Improve the determination of civil litigations between citizens by community panels. K. Iudelson. Sov. iust. 29 no. 7:8-9. Ap '65.

Laprov-Skoblo, M. Ia. [Quality of production in the decisions of the state arbitration agencies] Kachestvo proizvodstva v praktike Gosarbitrazha. Moskva, Iuridicheskaya literatura, 1965. 84 p.

Litigations concerning quantitative shortage before arbitration tribunals. IU Klement'ev. Sov. iust. 29 no. 10:16-17. My '65.

#### ARBITRATION AND AWARD—CASES

(see also subdivision under Ukraine)

Arbitration practice. Rad. pravo 28 no. 3:120-131. My-Je '65.

Arbitration practice. Sov. iust. 28 no. 6:32. Mi '65.

**ARBORETUMS** see subdivision under Kosov region (Ukraine)

#### ARBORS AND MANDRELS

Mandrels with unclamping spring bushings. I. B. Prozorovskaya, V. P. Kuptsov. Avt. prom. no. 5:42-43. My '65.

**ARBUZOV REARRANGEMENT** see Rearrangements (Chemistry)

#### ARCHAEOCYATHIDAE

Pterocythidae, a new order of Cribryathoa. T. V. Jankauskas. Dokl. AN SSSR 162 no. 2:430-440. My '65.

#### ARCHAEOLOGY—METHODOLOGY

(see also subdivision under Yevpatoriya region, Ukraine)

Akademika nauk SSSR. Institut arkhologii. [Archaeology and the natural sciences] Arkheologiya i estestvennyye nauki. Pod obshchey red. B. A. Kolchina. Moskva, Nauka, 1965. 344 p.

#### ARCHANGEL PROVINCE—LUMBERING

Savin, L. E., and others. [Work practices of the Verkhovskiy Logging Camp] Opyt raboty Verkhovskogo lespromkhoz, Moskva, Tsent. nauchno-issl. i inzh. informatsii i tekhniko-ekon. issledovaniy po lesnot. i tsellulozno-bumazhnoi, derevobrabatkovatelskoi promyshl. i lesnomu khoz., 1964. 28 p. (Lesoskhatatsiya) [DNL MICROFILM]

#### ARCHANGEL PROVINCE—PEAT BOGS

Some bog systems of Archangel Province (based on the example of the bog system of the Mozen'-Kuloy Interfluve). V. N. Kirilushkin. Bot. zhur. 50 no. 3:375-378. Mr '65.

#### ARCHI LANGUAGE—CASE

Case system of the Archi language; in comparison with other Lezgian languages. S. M. Khalidov. Izv. AN SSSR, Ser. lit. i iaz. 24 no. 2:153-159. Mr-Apr '65.

**ARCHITECTURE** see subdivision under Vilnius; White Russia

#### ARCHITECTURE—CONGRESSES

Vsesoyuznyi s'ezd sovetikh arkhitektov, 3d, Moscow, 1961. [Abridged verbatim report of the Third All-Union Congress of Soviet Architects] Skrashechnyy stenograficheskii otchet. Moskva, Gosstroizdat, 1962. 180 p.

[MICROFILM]

#### ARCHITECTURE—DESIGNS AND PLANS

Give more attention to the accounting for the uncompleted planning. G. Rubinshtein. Duhg. uchel. 22 no. 4:55-56. Ap '65.

**ARCHITECTURE, MEDIEVAL** see subdivision under Uzbekistan

#### ARCHITECTURE AND CLIMATE

Defects in exterior panels of completely prefabricated apartment houses during temperature deformations according to data obtained from in-situ investigations. A. A. Smellianov. Anal. prich. i pov. stroit. kon. no. 2:153-176. '64.

Determination of annual temperature gradient for the design of structural elements for climatic influence. G. G. Ereterev, T. K. Krasovskaya. Inzh.-fiz. zhur. 8 no. 2:180-187. F '65.

**ARCHIVES** see subdivision under Vologda Province

#### ARCTIC REGIONS—AMERICAN EXPLORATION

Cruise of the American icebreaker "Northwind" in the Arctic. A. I. Indutkina. Probl. Arkt. i Antarkt. no. 19: 69-71. '65.

#### ARCTIC REGIONS—BEARS

Distribution, abundance and conservation of the white bear in the Arctic. S. M. Uspenskiy. Biol. MOIP Old biol. 70 no. 2:18-21. M.-Ap. '65.

#### ARCTIC REGIONS—GEOLOGY, STRATIGRAPHIC

Demokidov, K. K., and N. P. Lazarenko. [Stratigraphy of the Upper Pro-Cambrian and Cambrian and the Lower Cambrian trilobites in the northern part of central Siberia and the islands of the Soviet Arctic] Stratigrafia verkhnego dokembriia i kembriia i nizhnokembriiskie trilobity severnoi chasti Srednei Sibiri i ostrovov Sovetskoi Arktiki. Moskva, Nedra, 1964. 288 p. (Leningrad Nauchno-Issledovatel'skii Institut geologii Arktiki. Trudy, no. 137)

#### ARCTIC REGIONS—GEOLOGY, STRUCTURAL

Basic characteristics of the most recent tectonics of the central section of the Soviet Arctic. M. T. Kikushina. Trudy NIIGA 135:70-102. '63.

Sketches of the tectonic structure of the central sector of the Soviet Arctic. I. P. Atlasov and others. Trudy NIIGA 135:3-69. '63.

#### ARCTIC REGIONS—ICE

Study of glaze and rime in the Central Arctic. N. N. Belazgin. Probl. Arkt. i Antarkt. no. 19:65-68. '65.

#### ARCTIC REGIONS—MAGNETIC PROSPECTING

Leningrad. Nauchno-Issledovatel'skii Institut geologii Arktiki. [Concise instruction on calculating a changing magnetic field in aeromagnetic surveying in the Arctic and sub-Arctic regions] Kalkulyatsiya i izmeneniye po uchetu peremennogo magnitnogo polya pri aeromagnitnykh s'nyakh v Arktike i Subarktike. Pod red. R. M. Dementitskoi. Leningrad, 1964. 42 p.

#### ARCTIC REGIONS—RUSSIAN EXPLORATION

Leningrad. Arkhticheskii i antarkhticheskii nauchno-issledovatel'skii Institut. [Russian Arctic expeditions of the 17th-20th centuries; problems in the history of studying and mastering the Arctic] Russkie arkticheskie ekspeditsii XVII-XX vv.; voprosy istorii izucheniia i osvoeniia Arktiki. Pod red. M. I. Belova. Leningrad, Gidrometeoizdat, 1964. 231 p.

#### ARCTIC REGIONS—VACCINATION—COMPLICATIONS AND SEQUELAE

Postvaccinal reaction in military personnel in the Arctic zone. N. N. Kotlubinskii. Voen.-med. zhur. no. 6:47-48. '64.

#### ARENARIN

Effect of preplanting treatment of tomato seeds with arenarin on the increase in plant resistance to *Corynebacterium michiganense*, a causative agent of bacterial cancer. K. G. Bel'tukova, M. S. Halys'ka. Mikrobiol. zhur. 27 no. 2:48-52. '65.

#### ARGENTINA—ORTHODOX EASTERN CHURCH

Meeting of the patriarch with his remote flock. Zhur. Mosk. Patri. no. 5:14-15. '65.

#### ARGENTOMETRY

New indicator for argentometric determination. N. P. Dobrovolskii. Trudy Khar. med. inst. no. 36:307-400. '57.

#### ARGINASE

Activity of arginase in the germinating seeds of hairy vetch. K. M. Bondetakiy. Biol. Glav. bot. sada no. 55: 65-67. '64.

#### ARGON

Influencing the refining of Al-0 alloy with argon. L. D. Vazhnov. Biol. tekhn.-ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 2:20-21. F '65.

#### ARGUN VALLEY—TOMBS

The problem of medieval sepulchral structures in the upper reaches of the Chanti-Argun River. A. A. Islamov. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1: 128-162. '63.

#### ARITHMETIC—PROBLEMS, EXERCISES, ETC.

Solving problems in the 2d grade. F. M. Erdniev. Rad. shk. 43 no. 4:48-53. Ap '65.

#### ARLAN OIL FIELD—OIL WELL COMPLETION

Using monogenic surfactant additives to water when drilling in producing strata. E. G. Ivanova and others. Burenia no. 3:23-25. '64.

#### ARMENIA—ADMINISTRATIVE ECONOMIC COUNCILS

In the Economic Council of Armenia. Prom. Arm. 8 no. 3:68-68. Mr '65.

#### ARMENIA—AQUEDUCTS

Engineering structures of Armenia. O. Kh. Khalpakchyan. Arkhit. nauch. 17:87-120. '64.

**ARMENIA—BAR ASSOCIATIONS**  
 Armenian S. S. R. Laws, statutes, etc. [Decree on the bar of the Armenian S. S. R. Confirmed by the law of the Armenian S. S. R., of March 7, 1961, passed by the Fifth Supreme Soviet of the Armenian S. S. R., fifth session] Polozhenie ob advokature Airmianskoi SSR Utverzhdeno zakonnoy Airmianskoi SSR ot 7 marta 1961 goda, prinatyam na platot sessii Verkhovnogo Soveta Airmianskoi SSR platogo sozyva Erevan, [Izd. Verkhovnogo Soveta Airmianskoi SSR] 1961. 22 p. [In Armenian and Russian] [MICROFILM]

**ARMENIA—BENTONITE**  
 Bentonite clays and their use. A. Mosegov. Prom. Arm. 8 no. 3:11-13 M1 '65

**ARMENIA—BOTANICAL RESEARCH**  
 In the Botanical Institute of the Academy of Sciences of the Armenian S. S. R. V. S. Sokolov. Bot. zhur. 50 no. 4:595-598 Ap '65.

**ARMENIA—BREWING INDUSTRY**  
 Improve the utilization of hops in the beer brewing industry. R. Simonian. Prom. Arm. 8 no. 3:41-42 M1 '65.

**ARMENIA—BRIDGES**  
 Engineering structures of Armenia. O. Kh. Khalpakch'ian. Arkh. it. nas. 17:67-120 '64.

**ARMENIA—CAULIFLOWER**  
 Effect of planting time and seed quality on the yield of cauliflower. A. M. Agadzhanian. Izv. AN Arm. SSR. Biol. nauki 18 no. 2:21-30 F '65

**ARMENIA—CHEMICAL INDUSTRIES**  
 Some problems in further development of the chemical industry. M. Babayan. Prom. Arm. 8 no. 3:9-11 M1 '65

**ARMENIA—CHEMICAL WORKERS**  
 Training specialists for the chemical industry. V. Petrosian. Prom. Arm. 8 no. 3:58-59 M1 '65

**ARMENIA—COLOR IN INDUSTRY**  
 Interiors of industrial buildings. B. Arutunian. Prom. Arm. 8 no. 3:39-40 M1 '65.

**ARMENIA—CONSTRUCTION INDUSTRY—FINANCE**  
 Construction projects should have sound plans. G. Chirikian. Ekon. stroi. no. 12:42 D '64.

**ARMENIA—CROPS AND CLIMATE**  
 Agroclimatic conditions of mountain fruit growing in the Armenian S. S. R. Sh. I. Tsertsivadze, O. M. Kandelaki, G. B. Nisenzian. Trudy Tbilnigmi no. 12:84-101 '63.

**ARMENIA—CROSSBILLS**  
 Occurrence of the Caucasian crossbill *Loxia curvirostra caucasica* But. in the Armenian S. S. R. M. S. Adamian, V. E. Leonovich. Izv. AN Arm. SSR. Biol. nauki 18 no. 4:73-77 Ap '65.

**ARMENIA—DIATOMS**  
 New taxa of diatom algae of the Armenian S. S. R. N. N. Tambian. Izv. AN Arm. SSR. Biol. nauki 18 no. 3:87-89 M1 '65.

**ARMENIA—FLEAS**  
 Supplement to the list of fleas of the Armenian S. S. R. G. A. Avetisyan. Izv. AN Arm. SSR. Biol. nauki 18 no. 3:75-80 M1 '65

**ARMENIA—FRUIT CULTURE**  
 Agroclimatic conditions of mountain fruit growing in the Armenian S. S. R. Sh. I. Tsertsivadze, O. M. Kandelaki, G. B. Nisenzian. Trudy Tbilnigmi no. 12:84-101 '63

**ARMENIA—GEOLOGY**  
 Akademiya nauk Airmianskoi SSR, Eriyan, Institut geologicheskikh nauk. [Transactions of the Institute of Geological Sciences, reports of the session devoted to the 25th anniversary of the foundation of the Institute] Trudy Instituta geologicheskikh nauk; doklady na iubileinoi sessii, posvyashchennoi 25-letliu osnovaniya Instituta. Pod red. S. S. Mkrtch'iana, Erevan, 1963, 191 p.

**ARMENIA—GRAPES**  
 Aftereffect of gibberellin on fruiting of the grapevine. M. Kh. Chalukhian, M. M. Sarkisova. Izv. AN Arm. SSR. Biol. nauki 18 no. 2:3-10 F '65.

**ARMENIA—GROUND BEETLES**  
 Larvae of two ground beetle species of the Armenian S. S. R. (Coleoptera, Carabidae). S. M. Ishakov-Khazorian. Izv. AN Arm. SSR. Biol. nauki 18 no. 1:29-33 Ja '65.

**ARMENIA—HAIR**  
 Aerodynamic conditions of the origin of hair phenomena in Armenia. V. M. Giginel'shvi, V. E. Alvezian. Trudy Tbilnigmi no. 12:3-20 '63.

**ARMENIA—HARBORS**  
 Engineering structures of Armenia. O. Kh. Khalpakch'ian. Arkh. it. nas. 17:67-120 '64.

**ARMENIA—HAY**  
 Mineral composition of hay of mountain meadows. S. L. Ogonova. Izv. AN Arm. SSR. Biol. nauki 18 no. 4:58-62 Ap '65.

**ARMENIA—HAZEL**  
 Turkish hazel (*Corylus colurna* L.) in Armenia. I. A. Mulkhizhanian, G. M. Tsaturian. Izv. AN Arm. SSR. Biol. nauki 18 no. 2:41-46 F '65.

**ARMENIA—HISTORY**  
 Armenia in the second century B. C. G. Kh. Sarkisian. Izv. AN Arm. SSR. Obshchestv. nauki no. 3:57-72 '65

**ARMENIA—HISTORY—SOURCES**  
 Documents of the Young Turk Committee on the genocide of the Western Armenians, 1915-1916. R. G. Saakian. Izv. AN Arm. SSR. Obshchestv. nauki no. 3:71-86 '65

**ARMENIA—INDUSTRIAL MANAGEMENT**  
 In the Party and State Control Committee of the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S. S. R. Prom. Arm. 8 no. 3:65-66 M1 '65

More attention to the introduction of new production capacities. V. Samarian. Prom. Arm. 8 no. 3:14-15 M1 '65.

Specialization and cooperation are the most important conditions for technological progress. S. Gevoikian. Prom. Arm. 8 no. 3:6-9 M1 '65

**ARMENIA—MACHINERY—DESIGN AND CONSTRUCTION**  
 In the Special Artistic Design Office. Prom. Arm. 8 no. 3:50-57 M1 '65

**ARMENIA—METEOROLOGY**  
 Characteristics of the upper air climate over the Armenian S. S. R. I. F. Kvaratskhelia. Trudy Tbilnigmi no. 12:21-42 '63

**ARMENIA—NEW YEAR**  
 Some anniversaries of the Christian New Year celebrations. A. A. Odabashian. Izv. AN Arm. SSR. Obshchestv. nauki no. 3:91-98 '65.

**ARMENIA—PERLITE (MINERAL)**  
 Armenian perlites are a new efficient raw material for the glass industry. V. G. Arutunov. Stekl. i ker. 22 no. 4:5-8 Ap '65

**ARMENIA—PINE**  
 Caucasian pine *Pinus kochiana* Klotzsch in the forests of Shamsadin. R. A. Grigorian. Izv. AN Arm. SSR. Biol. nauki 18 no. 3:81-86 M1 '65

**ARMENIA—PLANTS, RADIOACTIVE SUBSTANCES IN**  
 Beta-radioactivity of plants in various districts of Armenia. V. L. Ananian, G. M. Martirosian. Izv. AN Arm. SSR. Biol. nauki 18 no. 1:63-67 Ja '65

**ARMENIA—PLASTICS IN INDUSTRY**  
 Use plastics in industry. Prom. Arm. 8 no. 3:58-60 M1 '65.

**ARMENIA—POLYPOREACEAE**  
 Materials on the study of Polyporaceae in the Armenian S. S. R. S. N. Martirosian. Izv. AN Arm. SSR. Biol. nauki 18 no. 2:79-85 F '65.

**ARMENIA—ROADS**  
 Engineering structures of Armenia. O. Kh. Khalpakch'ian. Arkh. it. nas. 17:67-120 '64.

**ARMENIA—ROOFING**  
 Flat roofs. B. Danolian. Prom. Arm. 8 no. 3:42-43 M1 '65.

**ARMENIA—TECHNICAL EDUCATION**  
 In the House of Technology of Armenia. Prom. Arm. 8 no. 3:68-69 M1 '65.

**ARMENIA—TICKS**  
 Occurrence of the tick *Haemaphysalis warburtoni* Nutt. (Acarina, Ixodidae) in Armenia. A. M. Ogandzhanian, B. A. Martirosian. Izv. AN Arm. SSR. Biol. nauki 18 no. 4:68-72 Ap '65.

**ARMENIA—TOMATOES—VARIETIES**  
 Change in biochemical characters of tomatoes as a result of complex intervarietal hybridization. A. A. Ananian, D. O. Tachosova. Izv. AN Arm. SSR. Biol. nauki 18 no. 1:47-53 Ja '65.

**ARMENIA—TRANSPORTATION, AUTOMOTIVE**  
 Improve the centralized freight haulage. V. Antonian. Prom. Arm. 8 no. 3:70-71 M1 '65

Use the potentialities of automotive transportation more widely. A. Agababov. Prom. Arm. 8 no. 3:3-5 M1 '65.

**ARMENIA—VEGETABLE TRADE—FINANCE**  
 280% of the plan. G. Mkrtch'ian. Zakup. sel. khoz. prod. no. 3:47 M1 '65.

**ARMENIA—VOCATIONAL EDUCATION**  
 Methods for the training and the improvement of the qualification of specialized workers. T. Chafian. Prom. Arm. 8 no. 3:16-19 M1 '65.

**ARMENIA—WHEAT—VARIETIES**  
 Susceptibility of simple and complex wheat hybrids to loose smut. S. G. Oganesian. Izv. AN Arm. SSR. Biol. nauki 18 no. 1:11-46 Ja '65.

**ARMENIA—YEAST—CULTURES AND CULTURE MEDIA**  
 Biological characteristics of *Saccharomyces cerevisiae* var. *armenensis* and its practical significance. T. G. Sarukhyan and others. Izv. AN Arm. SSR. Biol. nauki 18 no. 1:3-10 M1 '65

**ARMENIAN LANGUAGE—GRAMMAR**  
 Manuk Abeghian's linguistic legacy. Ed. B. Agaian. Izv. AN Arm. SSR. Obshchestv. nauki no. 3:3-18 '65

**ARMIES** see subdivision 'Army' under Russia; United States

**AROMATIZATION**  
 Aromatizing capacity of boride catalysts of platinum group metals. M. I. Rozengart and others. Izv. AN SSR. Ser. khim. no. 5:919-922 '65.

Obtaining high purity aromatic hydrocarbons. L. I. U. Zinke, I. L. Gurevich. Trudy MINKHGP no. 14:63-70 '63.

**ARRHYTHMIA**  
 Effect of chlorazolin on experimental auricular rhythm disorders. O. V. Ulianova. Biol. eksp. biol. i med. 59 no. 4:69-72 Ap '65

Respiratory arrhythmia and respiratory atrioventricular block in hypercapnia and hypoxia. L. S. Ulianovskii, L. A. Dzharava. Fiziol. zhur. 51 no. 3:340-349 M1 '65

Surgical treatment of thyrotoxic goiter complicated with fibrillating arrhythmia. E. M. Borovyi. Vest. khir. 93 no. 12:111-113 '64.

Treatment of cardiac fibrillation in thyrotoxicosis. I. I. Neimark. Probl. endok. i gorm. 11 no. 1:29-33 Ja '65.

**ARSENIC**  
 Bioelement arsenic. M. G. Iskrin. Priroda 54 no. 4:105 Ap '65.

**ARSENIC SELENIDES**  
 Infrared absorption of arsenic monoselenide. E. L. Zolina, S. A. Dembovskii. Opt. i spektr. 18 no. 3:505-508 M1 '65.

**ART—CATALOGS**  
 [Chronicle of fine arts] Let. izobr. isk. no. 1 '65.

**ART—EXHIBITIONS** see subdivision under Kiev; Moscow

**ART—PHILOSOPHY**  
 The present and future of art. P. Kopina. Komm. Ukr. 39 no. 5:83-87 My '65

Traditions and new trends in art. N. Goncharenko. Komm. Ukr. 39 no. 5:70-83 My '65.

**ART—TRADE** see subdivision under Leningrad

**ART, UKRAINIAN**  
 Chlenova, L. H. [Art of the Ukrainian S. S. R.] Iskustvo Ukrainskoi SSR, Moskva, Sovetskii khudozhnik, 1964, 94 p., 31 plates, (Biblioteka shkol'nika, Sovetskoe Iskustvo) (MI)

**ART AND COMMUNISM** see Communism and art

**ART AND RELIGION**  
 Satkevichute, L. I. [Art and religion (based on music materials), author's abstract of a dissertation for the Degree of Candidate of Philosophical Sciences] Iskustvo i religia (na materialakh muzyki), avtorferat dissertatsii na soiskanie uchenoj stepeni kandidata filosoficheskikh nauk Nauchn. rukovoditel' I. D. Pantskhava, Moskva, Mosk. gos. univ., 1964 15 p. [MICROFILM]

**ART GALLERIES AND MUSEUMS** see subdivision under Uzbekistan

**ARTERENOL** see Noradrenaline

**ARTERIES—DISEASES**  
 Changes in the EEG in arterial aneurysms of the brain. A. N. Kononov, A. A. Sokolova, T. O. Fallor. Zhur. nevro. i psikh. 65 no. 4:518-523 '65.

Treatment of endarteritis obliterans with steroid hormones. TS. IA. Gudynskaja, Vest. khir. 94 no. 2:43-46 F '65.

**ARTERIES—INFLAMMATION**  
 Development of experimental arteritis in animals following introduction of group A streptococcus culture mixed with the homogenate of homologous connective tissue. L. V. Beletskaja, Arkh. pat. 27 no. 5:24-29 '65.

Treatment of obliterative endarteritis and atherosclerosis of the vessels of the lower extremities by subcutaneous injection of oxygen. A. A. Epova. Voen.-med. zhur. no. 9:70-71 '64.

## ARTERIES—LIGATION

Diagnosis of the disease caused by the ligation of a major extracranial artery and its treatment. N.I. Kravovskii, R.M. G. Igoian. Voen.-med. zhur. no. 9 19-22 '64.

Rombey, L.N., and T.P. Klinkakala. [Ligation of the main arteries of the small pelvis for the purpose of stopping a hemorrhage; abstracts of lectures.] Perviazka magistrats'nykh arterii malogo taza s tsel'yu ostannovki krvotokhenia, konspekty lektsii. Uzhgorod, Uzhgorodskii gos. univ., 1964, 134 p. (DNLN)

## ARTERIES—RADIOGRAPHY

Ateriography in cancer of the rectum. S.A. Rodkin. Khirurgiia. 11 no. 4:78-81 Ap '65.

Experience in using arteriography in bone tumors. A.G. Sadykhov, M.N. Saidlan. Khirurgiia. 41 no. 1:99-103 Ap '65.

## ARTERIES—SURGERY

Some causes of unfavorable results in arterial alloplasty. A.A. Kurygin. Vest. khir. 94 no. 2:32-35 F '65.

## ARTERIOSCLEROSIS

Activity of lipoprotein lipase and other lipolytic enzymes in experimental atherosclerosis in rabbits. F.L. Leites. Pat. fiziol. i eksp. terap. 9 no. 2:12-17 Mr.-Ap '65.

Adrenaline and adrenalinolike substances of the vascular wall in rabbits with experimental atherosclerosis. A.B. Pashchenko. Trudy Khur. med. inst. no. 36:157-162 '67.

Akademii meditsinskikh nauk SSSR, Moscow, Institut Terapii. [Hypertension and atherosclerosis of the coronary arteries; methodological instructions on diagnosis, treatment and prevention.] Gipertonicheskaia bolezn' i ateroskleroz koronarnykh arterii, metodicheskie ukazaniia po diagnostike, lecheniiu i profilaktike. Pod red. A.L. Misiukova i E.I. Chazova. Moskva, 1964, 176 p. (DNLN)

Atherosclerotic aneurysm of a coronary artery in conjunction with atherosclerotic aneurysm of the aorta. V.G. Liantshev. Arkh. pat. 26 no. 12:74-76 '64.

Cholesterol metabolism in arteriosclerosis. F.A. Abdurakhmanov. Vop. pit. 23 no. 5:50-55 S O '64.

Clinical aspects and diagnosis of lesions of the extracranial portion of the vertebral artery. E.I. Zlotnik, L.S. Gikina. Zhur. nevro. i psikh. 65 no. 5:602-606 '65.

Combination of Alzheimer's disease and atherosclerosis of cerebral vessels. B.M. Blokhin, S.I. Slobodianskaia. Zhur. nevro. i psikh. 65 no. 4:552-557 '65.

Correlation between the fundamental types of the morphological manifestations of atherosclerosis in the aorta and the coronary arteries of the human heart, a planimetric study. G.G. Avtandilov. Arkh. pat. 27 no. 3:18-25 '65.

Dynamics of lipid metabolism indices in experimental arteriosclerosis. T.M. Isneva, V.V. Levoshin. Vop. pit. 23 no. 5:55-58 S O '64.

Effect of thixotropic gel of isodopolyvinyl alcohol on experimental atherosclerosis. L.G. Bogomolova and others. Pat. fiziol. i eksp. terap. 9 no. 2:8-12 Mr.-Ap '65.

Electroencephalogram under normal conditions and in cerebral atherosclerosis in elderly and senile persons. R.P. Bolmog. Vop. geron. i geriat. 4:186-202 '65.

Morphological study of internal thoracic arteries in connection with their use in the revascularization of the myocardium. L.B. Shmeliovich, E.M. Zagitkovskaya. Trudy TSU 66:166-167 '64.

Oxidation and stabilization of adrenaline in the blood of animals with experimental models of hypertension and atherosclerosis. M.YU. Gaisinskaya. Trudy Khur. med. inst. no. 36:145-149 '67.

Pathological anatomy of diabetic glomerulosclerosis. N.V. Boikova. Arkh. pat. 26 no. 12:8-14 '64.

Pathomorphological changes in the solar plexus in hypertension and atherosclerosis. P.A. Bordug. Trudy Khur. med. inst. no. 36:343-350 '67.

Problem of arteriosclerosis. T.N. Shutova. Pat. fiziol. i eksp. terap. 9 no. 2:3-7 Mr.-Ap '65.

Results of immunological prevention of experimental atherosclerosis and problems of the mechanism of the inhibiting effect of  $\beta$ -lipoprotein antigens in this process. M.N. Sultanov. Azerb. med. zhur. 42 no. 1:22-27 Ja '65.

Significance of X-ray diagnosis of atherosclerosis of the abdominal aorta and its ramifications in flight personnel. N.V. Orlov. Voen.-med. zhur. no. 11:89-92 '64.

Some characteristics of the development and course of atherosclerotic lesions of the brain in elderly and senile age. A.IA. Mintz. Vop. geron. i geriat. 4:180-186 '65.

Some data on atherosclerotic cardio sclerosis in very old persons. D.P. Chebotarev and others. Vop. geron. i geriat. 4:159-166 '65.

Some data on the study of the functional state of the kidneys in elderly and senile persons with moderate clinical manifestations of general atherosclerosis; preliminary report. E.G. Kalinovskaya, R.V. Vasil'eva. Vop. geron. i geriat. 4:213-217 '65.

Structural characteristics of the secondary changes in atherosclerosis of the coronary cardiac arteries in myocardial infarction. V.V. Neatniko. Trudy Khur. med. inst. no. 36:367-372 '67.

Study on the effect of octatenin on the tonus of the large arteries in hypertension patients depending on age. A.V. Tokai. Vop. geron. i geriat. 4:217-221 '65.

Treatment of obliterative endarteritis and atherosclerosis of the vessels of the lower extremities by subcutaneous injection of oxygen. A.A. Epova. Voen.-med. zhur. no. 9:70-71 '64.

ARTHIPODA, FOSSIL see subdivision under Sayan Mountains

ARTIFICIAL INSEMINATION see subdivision under Tambov Province

## ARTIFICIAL KIDNEY

Compound treatment of acute and chronic renal insufficiency using hemodialysis. P.P. Alekseev and others. Sov. med. 28 no. 5:98-102 My '65.

Treatment of patients with blood transfusion complications by the means of hemodialysis. V.A. Agranenko. Voen.-med. zhur. no. 8:29-31 '64.

ARTIFICIAL LEATHER see Leather, Artificial

## ARTIFICIAL LIMBS

New artificial forearm. F. Vorontsov. Sois. obesap. 26 no. 4:15 Ap '65.

ARTIFICIAL PNEUMOPERITONEUM see Pneumoperitoneum, Artificial

## ARTIFICIAL RESPIRATION

Signaling device for the detection of hypoxic conditions and methods for the restoration of the respiratory functions. F.V. Babchinskii. Voen.-med. zhur. no. 10:85-87 '61.

Use of controlled and auxiliary respiration in treating acute respiratory insufficiency. V.D. Malyshev. Trudy TSU 66:258-268 '64.

## ARTIFICIAL SATELLITES

[Space research] Ref. zhur.: Issl. kosm. prostr. no. 6 Je '65.

## ARTIFICIAL SATELLITES—SCIENTIFIC APPLICATIONS

No. 6. Vukolov, P.V., E.V. Gorchakov, and I.U. Logachev. [Radiation belts of the earth; research with Soviet artificial satellites and space rockets in 1957-1959.] Radiatsionnye polosa Zemli; po sledovaniyam na sovetskikh issledovatel'skikh sputnikakh i kosmicheskikh raketakh v 1957-1959 gg. 1965, 112 p.

Use of signals from artificial satellites in studying inhomogeneities of ionospheric electron condensation in the Pacific area. I.U. S. Korobkov, V.V. Pisareva. Geomag. i aer. 5 no. 3:423-428 My-Je '65.

## ARTISTS—CORRESPONDENCE, REMINISCENCES, ETC.

Book of an artist. L. Poliak. Nov. mir. 41 no. 4:267-269 Ap '65.

## ARYAN LANGUAGES

New Urartian and Indo-European parallels. G.B. Dzhaugian. Izv. AN Arm. SSR Obshchestv. nauk. no. 3:45-55 '65.

## ARYAN LANGUAGES—GRAMMAR, COMPARATIVE

Interuniversity Academic Conference on Comparative Indo-European Linguistics. S.E. Nikitina. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 2:66-61 Mr.-Ap '65.

ASBESTOS-CEMENT PIPE see Pipe, Asbestos-cement

## ASBESTOS PRODUCTS

Experimental processing of asbestos fibers blended with spun rayon. V.I. Afanov, N.D. Kuznetsova. Tekst. prom. 25 no. 3:92-93 Mr '65.

## ASCARIDS AND ASCARIASIS

Effect of hemoglobin on the egg laying of Ascaris suum in vitro. T.S. Avanesova. Izv. AN Turk. SSR, Ser. biol. nauk. no. 1:76-78 '65.

## ASCITES

Problem of the pathogenesis of ascites in cirrhosis of the liver. G.S. Levin. Sov. med. 20 no. 5:93-98 My '65.

## ASCOCHYTA

Effect of TMD and zineb on the yield and quality of peas. E.N. Kesendzova. Khim. v sel'khoz. 3 no. 3:31-33 Mr '65.

## ASCORBIC ACID

Ascorbic acid and carotene content in cotton varieties differing in their ripening time. L.A. Polianskaya. Izv. AN Turk. SSR, Ser. biol. nauk. no. 1:3-8 '65.

Effect of cortisone on the concentration of vitamins B<sub>1</sub>, B<sub>2</sub> and C in the tissue of rats. M.I. Smirnov and others. Probl. endok. i gorm. 11 no. 1:78-81 Ja-F '65.

Effect of some antioxidants on the stability of anthocyanins in wine storage. G.G. Valaiko. Izv. vys. ucheb. zav., plishch. tekhn. no. 2:83-85 '65.

Effect of vitamin C content in the body on the physiological value of preserved blood erythrocytes. T.S. Barkagan, L.M. Romendik. Vop. pit. 23 no. 5:28-33 S-O '64.

Immunogenesis and cellular reaction of the lymphatic nodes in C-hypovitaminosis. A.A. Klementova, I.B. Frijazanova. Zhur. mikrobiol., epid. i imun. 12 no. 1:95-101 Ap '65.

Reparative regeneration of the skeletal muscle tissue during the administration of ascorbic acid and vitamin P preparations. A.V. Zakharova, L.P. Tsurikova. Arkh. anat., gist. i embr. 46 no. 4:60-74 Ap '64.

Role of alkaline phosphatase and ascorbic acid in the formation of connective tissue in experimental pneumoconiosis. B.B. Rodkina. Pat. fiziol. i eksp. terap. 9 no. 2:36-38 Mr.-Ap '65.

Treating chronic carriers of diphtheria bacilli with antibiotics and vitamin C. Z.V. Ermolova, N.A. Pasternak. Trudy TSU 66:131-135 '64.

## ASCORBIC ACID—PHYSIOLOGICAL EFFECT

Clinical experimental data on the contraceptive properties of ascorbic acid. L.I. Ivanova. Akush. i gin. 40 no. 5:116-122 S-O '64.

Interrelations between the function of the thyroid gland and regenerative processes in the muscles following administration of galascorbine. L.P. Khomyat'skaia. Fiziol. zhur. [Ukr.] 9 no. 1:96-101 Ja-F '63.

## ASCORBIC ACID METABOLISM

Determination of adequate supply of vitamin C in the organism by means of its examination in urine voided on an empty stomach. V.S. Rozovskii, G.I. Ratkovskaya. Voen.-med. zhur. no. 11:53-56 '64.

Effect of acetylcholine on the oxidized and reduced form of ascorbic acid. E.I. Lipovetskaya. Trudy Khur. med. inst. no. 36:160-172 '67.

Effect of the stimulation of stomach chemoreceptors by ascorbic acid on its content in the blood. L.I. Mamedova. Izv. AN Azerb. SSR, Ser. biol. nauk. no. 1:83-89 '65.

## ASH (TREE)—WATER REQUIREMENTS

Significance of the intermediate contacts of wood vessels in the European ash (Fraxinus excelsior L.). G.B. Kedrov. Nauch. dokl. vys. shkoly, biol. nauk. no. 2:140-147 '65.

## ASH DISPOSAL

Russia (1923- U.S.S.R.). Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii. [Instructions on the design of the ash removal systems of thermal electric power plants.] Ukazaniia po proektirovaniu zolotovalov teplovych elektricheskikh stantsii. Moskva, Gosenergoizdat, 1964, 78 p. [MICROFILM]

Useful proposal. A.S. Kovtun. Gidrotekhn. i lesokhim. prom. 18 no. 2:28 '65.

## ASHKABAD—CONSTRUCTION INDUSTRY

Give the green light to improved production methods. L.I. Basova. Stroitel. i arkh. Sred. Az. 1 no. 9:24-25 S '64.

## ASHKABAD REGION—FORAGE PLANTS

Effect of light conditions on the controlled change in the herodity of some forage plants. S.O. Ovezmuradov, M.A. Ivantsova. Izv. AN Turk. SSR, Ser. biol. nauk. no. 2:31-38 '65.

## ASHKABAD REGION—PLANTS, EFFECT OF LIGHT ON

Effect of light conditions on the controlled change in the herodity of some forage plants. S.O. Ovezmuradov, M.A. Ivantsova. Izv. AN Turk. SSR, Ser. biol. nauk. no. 2:31-38 '65.

## ASIA—POLITICS

The Soviet Union and the Afro-Asian forums. Sovremennik. Nov. vrem. 22 no. 22:7-8 My '65.

## ASIA, CENTRAL—GEOLOGY, STRATIGRAPHIC

General plan of the stratigraphic division of Neogene continental formations in the eastern part of Central Asia. V.I. Popov. Nauch. trudy TashGU no. 249. Geol. nauki no. 2:133-163 '64.

## ASIA, CENTRAL—ORE DEPOSITS

Interrelationship of the mineralization of tungsten, iron, and boron in skarns in the separate regions of Central Asia. V.D. Gromobchenko, M.F. Zenin. Nauch. trudy TashGU no. 249. Geol. nauki no. 2:124-126 '64.

## ASIA, CENTRAL—RIVERS

Shul'ts, V.L. [Rivers of Central Asia] Reki Srednei Azii. Leningrad, Gidrometeoizdat. Pts. 1-2, 1965. 691 p.

## ASIA, SOUTHEASTERN—NAMES, GEOGRAPHICAL—CHINESE

The countries of Southeastern Asia and of the basin of the Indian Ocean in the Chinese geographical terminology of the 14th to 16th century. A.A. Bokshchinin. Kral. soob. Inst. nar. Az. no. 85:43-46 '64.

T CENTRAL see Soviet Central Asia

CAN CONFERENCE, BANDUNG, JAVA,

id peaceful coexistence. A. Lavrent'ev, seg. 8 no 4-22-23, 25 Ap '65

in of the virus of foot-and-mouth disease using S. I. Berulova, Vop. vet. virus, 1 203-208

subdivision under Kln-Dmitrov Ridge

.US  
ition of *α*-amylase of *Aspergillus oryzae* from  
zyme preparations O. S. Tsygurovych, I. P.  
U. biokhim. zhur. 37 no 1-11-23 '65

he concentration of hydrogen ions on the  
of the amylolytic enzymes of the immersion  
of *Aspergillus oryzae* 3-9-15 E. A. Dvadua-  
V. Rutova, Fer. i spirit. prom. 31 no 3-4-5

re various sources of phosphorus on the biosyn-  
amylolytic ferment in ultraviolet mutants of  
N. G. Gribeshova, Fer. i spirit. prom. 31 no 1:

r activity of the *Aspergillus* strain of mold  
V. S. Paleva, N. V. Popova, Fer. i spirit.  
31 no 4-5-9 '65.

he composition of pectin-splitting enzymes in  
ation obtained from the surface culture of  
lus niger L. S. Losakova, L. N. Mushnikova,  
zhina, Fer. i spirit. prom. 31 no 3-5-9 '65

nation of digitoxigenin by various fungus species  
gillus and *Fusarium* genera P. I. Ivovskiy,  
zhur. 26 no 3-18-21 '64

osylases accompanying the amylolytic enzymes  
pergillus strain of mold fungi V. I. Rodzevich,  
broilinskaya, Fer. i spirit. prom. 31 no 4, 8-

.LUS—CULTURES AND CULTURE MEDIA

lus candidus as producer of abnormal enzyme.  
selov, D. I. A. Tipogra, T. A. Petina, Prikl.  
i mikrobiol. 1 no 1-52-56 Ja-F '65.  
lus flavus strain, producer of kojic acid A. S.  
and others, Uzb. biol. zhur. 9 no 2-11-23 '65.  
alcum ion in maintaining the conformation and  
enter of *α*-amylase in *Aspergillus oryzae*.  
olodova, I. D. Ivanov, G. M. Nikolaev, Izv. AN  
er biol. no 3 359-367 My-Je '65.

.LUS—THERAPEUTIC USE

the thrombolytic activity of *Aspergillus M* in  
mental thrombosis S. M. Strukova, G. V. Andre-  
Arkh. pat. 27 no 4 23-29 '65.

CONCRETE

ch, L. B. [Asphalt concrete of activated mineral  
ils] Asfal'tovyi beton iz aktivizirovannykh  
l'nykh materialov. Pod red. S. V. Sheshteporova,  
i, Vysshaya shkola, 1964, 39 p.  
[MICROFILM]

hod for vibratory mixing of asphalt concrete  
linin'sh, Avi. dor. 28 no 3-7-8 Mr '65.

A  
asphyxia through obstruction of the respiratory  
y in labile bodies. D. I. A. Shabel'nik, V. E. Salii.  
ned ekspert. 8 no 1-46-47 Ja-Mr '65

A NEONATORUM

aphy of the brain in stillborn infants and dead  
es E. D. Lipson, Arkh. pat. 27 no 3 65-71

ATING AND POISONOUS CASES see Gases,  
dating and poisonous

AUDAN DEPRESSION—GEOLOGY, STRATI-  
HIC

aphic and mineralogical division of Cretaceous  
ents in Shakhpakhta, Sh. Sadykova, Uzb. geol.  
8 no 5-77-78 '64.

AUDAN DEPRESSION—PETROLOGY

raphic and mineralogical division of Cretaceous  
ents in Shakhpakhta, Sh. Sadykova, Uzb. geol.  
8 no 5-77-78 '64.

F AND BATTERY see subdivision under Ukraine

LY-LINE METHODS

tic line for machining the plungers of the SMD-14  
engine. M. I. A. Zlatopet'skil, Trakt. i sel'khoz-  
i, no 4-13-45 Ap '65.

du, M. Kh. [Manufacture of artificial leather in  
on continuous production lines; a textbook] Proiz-  
vo rulonnoy iskusstvennoy kozhi na potochnykh  
b; uchebnoe posobie. Pod red. A. D. Zolotchkov-  
Moskva, Legkaya industriya, 1964, 42 p.  
[MICROFILM]

Economic efficiency of the introduction of automatic  
production lines of margarine P. K. Gerasimov, M. V.  
D'lekonova, Mashizh. prom. 31 no 3 32-33 Ap '65

Improved continuous lines for the production of canned  
"Green peas." R. V. Zablotskiy, Kona i ov. prom. 20  
no 4-23-25 Ap '65

Mechanization and automation of assembly work in the  
manufacture of machinery. G. A. Turkov, Mashino-  
stroitel' no. 5:2-3 My '65

Mechanized production line in sawing particle boards  
B. I. Fetishev, Der. prom. 14 no 4 26 Ap '65

New assembly line for the manufacture of porcelain cups  
L. G. Reznikov, Stekl. i ker. 22 no 4 40-42 Ap '65.  
Smolnitskiy, M. L. [Mechanized continuous line for the  
production of cast (toffee-type candy) Mekhanizirovan-  
naya potochnaya liniya proizvodstva litogo irisa, Moskva,  
TSentr. in-t nauchno-tekhn. informatsii pishchevoi pro-  
mysl., 1964, 10 p. (Tekhnicheskaya informatsiya)

[MICROFILM]  
Vinogradskii, V. F. [Vacuum planing of scintillating parts  
in continuous multiple-line processing on automatic  
lines] Vakuumnoe bazirovanie bruskovykh detalей pri  
mnogopolochnom sposobe obrabotki na avtomaticheskikh  
liniyakh Moskva, TSentr. nauchno-issl. in-t informa-  
tsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-  
bumazhnoi, derevobrabatывayushchei promyshli i lesno-  
mukhoz., 1964 23 p. (Derevobrabotka)

[MICROFILM]  
Zytnov, D. I. A., and A. I. A. Kirinichuk. [Automated control  
of the electric drives of continuous-line systems]  
Avtomatizirovannoe upravleniye elektropriivodami  
potochno-linaynykh sistem. Moskva, Energiya,  
1965, 207 p.

ASSOCIATION OF IDEAS

Study of image thinking and the possibility of medicinal  
effect on it in neuroasthenias. L. G. Pervov, Zhur.  
nevr. i psikh. 65 no 5:719-721 '65.

ASSOCIATIONS, INSTITUTIONS, ETC.

(see also subdivision under Borisav District;  
Bulgaria)

Cheremnykh, P. S., ed. [Combination of state and  
public participation in the management of society]  
Sochetanie gosudarstvennykh i obshchestvennykh  
nachal v upravlenii obshchestvom, Moskva, Mysl',  
1965, 220 p.

ASSURA, LEONID VLADEMIROVICH, 1878-1920

Scholars and scientists. Shkola i protzv. 9 no 4:94-96  
Ap '65.

ASTHMA

Ivanov, S. M. [Exercise therapy in bronchial asthma in  
children] Lecheniye fizkultura pri bronkhial'noi  
astme u detei, Moskva, Meditsina, 1965, 102 p.  
[Biblioteka prakticheskogo vracha]

(DNLM)  
Pathogenesis of stenocardial pain in seizures of bronchial  
asthma P. N. Vasil'ev, V. I. Rovinskii, Sov. med. 28  
no 1:123-124 Ja '65.

Treatment of children with bronchial asthma under condi-  
tions of a pressure chamber P. K. Bulatov and others  
Sov. med. 28 no 1-97-100 Ja '65.

ASTRAKHAN PROVINCE—MILITARY EDUCATION

Help the laggers. L. Savel'ev, Voen. znani 41 no 3:  
31 Mr '65

ASTRONAUTICS

Against distortion of facts and dissemination of lies.  
D. I. A. Zil'manovich, Vop. Ist. KPSS 9 no 6:90-103  
Ja '65

Flight of "Voskhod-2" as a new stage in the development  
of astronautics. V. P. Seleznev, Vest. vyzh skholy 23  
no 4:3-4 Ap '65.  
In new orbits. V. Aleksandrov, Grazhd. av. 22 no 2:  
12-13 F '65.

Man prepares for space. V. Gzhel'skil, V. Peredel'skil,  
Sov. voen. 17 no 6:10-12, 37-40 Mr '65.  
A man steps into space. Sov. voen. 47 no 6:2-3 Mr '65.  
[Space research] Ref. zhur. i issl. kosm. prostr. no 6  
Je '65.

Unprecedented scientific experiment in outer space;  
press conference on the new outstanding achievement  
of the Soviet people in mastering outer space and the  
interview with the astronauts P. I. Bellaev and A. A.  
Leonov, who were the first to achieve the exit of man  
into space from the spaceship "Voskhod 2." M. V.  
Koldyshev and others, Priroda 54 no 4:18-18 Ap '65.  
Victories of the Soviet people in the conquest of space.  
Mekhdunar. zhizn' 12 no 5:144-145 My '65.

Walking into space. Sov. pech. no 4:14-15 Ap '65.  
The world applauds the Soviet miracle. Az. i Afri. seg.  
8 no 4:3-9 Ap '65.

ASTRONAUTICS—CONGRESSES

The 15th International Astronautical Congress, K. I. A.  
Kondratyev, M. S. Malkovich, Izv. AN SSSR, Fiz. atm. i  
okeana 1 no 1:122-124 Ja '65.

ASTRONAUTS

The family of astronaut is growing. Sov. voen. 47 no 6:  
9 Mr '65.

Pioneer of space routes N. Mikhailov, Konm. Voen. zhur.  
511 46 no 7:33-35 Ap '65

ASTRONOMICAL INSTRUMENTS

Novikov, I. D., and V. A. Shishakov. [Homemade astro-  
nomical instruments and observations with them]  
Samodel'nye astronomicheskie instumenty i nabluden-  
niya s nimi, Moskva, Nauka, 1965, 122 p. diagr.  
(insert)

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur. Astron. no. 6 Je '65.

ASTRONOMY—CONGRESSES

System of astronomical constants. K. A. Kulikov, Astron.  
zhur. 12 no 3:666-668 My-Je '65

ASTRONOMY—OBSERVATIONS

Methods of operation with the VAS-58 tables V. I.  
Ermakov, Ryb. khoz. 41 no 3:26-27 '65

Novikov, I. D., and V. A. Shishakov. [Homemade astro-  
nomical instruments and observations with them]  
Samodel'nye astronomicheskie instumenty i nabluden-  
niya s nimi, Moskva, Nauka, 1965, 122 p. diagr.  
(insert)

ASTROPHYLITE

Mineral facies of the alkalinity of astrophyllite rocks.  
L. L. Pechuk, V. N. Zysimov, Dokl. AN SSSR 162  
no 3:671-673 My '65

ASTROPHYSICS

Shcheglov, P. V., ed. [New methods of astrophysics.  
Translated from the English and French] Noveye metody  
v astrofizike, Moskva, Izd-vo "Mir," 1964, 251 p.  
(Problemy astronomii i geofiziki)

ATASU REGION (KAZAKHSTAN)—MINERALOGY

Characteristics of the mineralogy of some iron-manga-  
nese deposits in the Atasu region. M. M. Kalupova  
Izv. AN Kazakh SSR, Ser. geol. 2' no 2:27-35 Mr-Apr  
'65

ATASU REGION (KAZAKHSTAN)—ORE DEPOSITS

Some characteristics of studying Atasu-type deposits.  
G. N. Shcherba, Izv. AN Kazakh. SSR, Ser. geol. 21  
no 5:15-33 S-O '64.

ATATURK, KAMAL, d. 1938

Mustafa Kamal Ataturk, for the 25th anniversary of his  
death A. M. Shamsutdinov, Khat. soob. Inst. naiz. Az.  
no 77 93-100 '64

ATHEISM

Artists in the struggle against religion. N. M. Minzherb,  
Rad. shk. 43 no 4 67-71 Ap '65.

Role of newspaper journalism in atheistic propaganda  
A. I. A. Gribenshchikov, Opublik. i publik. no 1:32-  
54 '64.

The subject of the history of atheism. B. V. Medvedevskii,  
Nauch. dokl. vuz. shkoly. filos. nauk 7 no 5:83-88 '64.  
Textbook on atheistic education II. P. Burs, S. O.  
Slipenuk, Rad. shk. 44 no 5:105 My '65

ATHEISM—STUDY AND TEACHING

(see also subdivision under Ukraine)

In the Ministry of Education of the U. S. S. R. Nach. shkola  
43 no 2 95-96 F '65  
Lecturing bureau in the library. T. Pradkina, D. Fedorov,  
Bibliotekar' 12 no 3:27-30 Mr '65.  
Useful conference. T. Vagina, Bibliotekar' 42 no 3:  
30 Mr '65.

ATLANTIC OCEAN—FISHERIES

Characteristics of fishing operations in the Central  
Atlantic. L. N. Domanevskii, O. G. Riabikov, Ryb.  
khoz. 41 no 3:36-37 '65.

ATLANTIC OCEAN—FISHERY LAW AND LEGISLATION

System of national control in observing fishing regulations  
in the North Atlantic. A. D. Druzhinin, Ryb. khoz.  
41 no 4 91-92 '65

ATLANTIC OCEAN—HERRING

Stock of individual schools of herring in the North Atlantic.  
S. S. Fedorov, Ryb. khoz. 41 no 3:9-11 '65.

ATLANTIC OCEAN—HYDROMETEOROLOGICAL RE-  
SEARCH

The first oceanographic expedition of the Hydrometeorolo-  
gical Service of the U. S. S. R. to the North Atlantic.  
I. N. Davidan, I. D. Zykov, B. A. Filippov, Meteor. i  
gidrol. no 6:40-43 Je '65.

ATLANTIC OCEAN—OCEAN CURRENTS

Sub-Antarctic intermediate current in the Atlantic Ocean.  
S. G. Boguslavskii, L. A. Koveshnikov, Izv. AN SSSR, Fiz.  
atm. i okeana 1 no 2 233-235 F '65.

ATLANTIC OCEAN—OCEAN CURRENTS—MATHEMATI-  
CAL MODELS

Results of calculations of currents in the North Atlantic  
by a four-level model. I. U. G. Gormatuk, A. S. Sarkisian,  
Izv. AN SSSR, Fiz. atm. i okeana 1 no 3:313-320 Mr '65.

## ATLANTIC OCEAN—REFRIGERATOR SHIPS

[Large refrigerator trawler in the northwestern Atlantic] BMRT v Severo-Zapadnoi Atlantike, [Murmansk] Murmanskoe knizhnoe izd-vo, 1964, 30 p. (Biblioteka promyslovika)

[MICROFILM]

## ATLANTIC OCEAN—SUBMARINE GEOLOGY

Legend of the vanished island; "Atlantia" by N. F. Zhitrov. Reviewed by A. I. Rybin. Priroda 51 no. 4: 123-123 Ap '65.

## ATMOSPHERE

Air exchange between the northern and southern hemispheres. L. I. Litvinenko. Meteor. i gidrol. no. 6 29-31 Je '65.

Calculating the effect of a closed air circulation on the equilibrium distribution of ozone in the terrestrial atmosphere. V. I. Bekariukov. Geomag. i aer. 5 no. 3: 465-470 My-Je '65.

Damping of small oscillations in the atmosphere due to viscosity and heat conduction. G. S. Golitsyn. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2: 136-149 F '65.

Ionospheric drift and the general atmospheric circulation. E. S. Kazimirovskii. Geomag. i aer. 5 no. 3: 575-576 My-Je '65.

Livshits, G. Sh. [Light scattering in the atmosphere] Rasseyaniye sveta v atmosfere. Alma-Ata, Nauka.

Pl. 1. 1965, 176 p. Akademiya nauk Kazakhskoi SSR. Astrofizicheskii institut. Trudy, vol. 6) Role of the Antarctic in the energy balance of the earth's atmosphere. P. D. Astapenko, V. S. Savinichev. Inform. bul. Sov. antark. eksp. no. 50:8-12 '64.

Some physicochemical processes in the air caused by ionizing radiation. M. T. Dmitriev. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3: 302-312 Mr '65.

Structure of the boundary layer of the atmosphere. A. S. Monin. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3: 256-265 Mr '65.

## ATMOSPHERE—CONGRESSES

Conference on the general circulation of the atmosphere. E. I. Dobiysman. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3: 347-350 Mi '65.

## ATMOSPHERE—SPECTRA

Measurement of the radiation spectra of the atmosphere and the terrestrial surface in the 2 - 6  $\mu$  region from altitudes up to 4 km. O. I. Popov, E. O. Fedorova. Opt. i spektr. 18 no. 3: 512-514 Mr '65.

## ATMOSPHERE, UPPER

(see also subdivision under Antarctic regions)

Dubentsov, V. R. [Air currents and temperature distribution in the stratosphere and mesosphere in the northern hemisphere; according to materials of the IGY and the International Geophysical Collaboration] Vozdushnye techeniya i raspredelenie temperatury v stratosfere i mezofere v severnom polusharii; po materialam za period MGG i MGS. Moskva, Gidrometeoizdat, 1965, 93 p. 20 plates.

Some remarks on the electric conductivity of the upper atmosphere. M. N. Fatkulin. Geomag. i aer. 5 no. 3: 570-580 My-Je '65.

## ATMOSPHERIC ELECTRICITY

Change in the electrostatic field intensity depending on the distance to the lightning discharge. L. G. Mukhotkin. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2: 230-232 F '65.

Effect of electrical forces on the coagulation of particles of comparable sizes. N. V. Krasnogoiskaia. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3: 339-345 Mr '65.

Some remarks on the electric conductivity of the upper atmosphere. M. N. Fatkulin. Geomag. i aer. 5 no. 3: 570-580 My-Je '65.

## ATMOSPHERIC PRESSURE

Barofunction of the ear. I. A. Golubchik. Voen.-med. zhur. no. 10: 57-59 '64.

Description of the vertical structure of synoptic processes. B. L. Gavrilin. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1: 8-17 Ja '65.

The sun-troposphere relationship. B. I. Sazonov. Astron. zhur. 42 no. 3: 653-655 My-Je '65.

## ATMOSPHERIC PRESSURE—PHYSIOLOGICAL EFFECT

Barofunction of the frontal sinuses in pilots. I. U. K. Revskoi. Voen.-med. zhur. no. 8: 65-67 '64.

Diseases of the internal ear following barotrauma. I. A. E. Shipcher, R. G. Anisim. Voen.-med. zhur. no. 7: 68-69 '64.

Treatment of children with bronchial asthma under conditions of a pressure chamber. P. K. Bulatov and others. Sov. med. 28 no. 1: 97-100 Ja '65.

## ATMOSPHERIC TEMPERATURE

(see also subdivision under Antarctic regions)

Calculation of the flow of heat into the soil. M. E. Shvets, B. E. Shneiderov. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2: 167-174 F '65.

Dubentsov, V. R. [Air currents and temperature distribution in the stratosphere and mesosphere in the northern hemisphere; according to materials of the IGY and the International Geophysical Collaboration] Vozdushnye techeniya i raspredelenie temperatury v stratosfere i mezofere v severnom polusharii; po materialam za period MGG i MGS. Moskva, Gidrometeoizdat, 1965, 93 p. 20 plates.

Empirical orthogonal functions for the optimum parameterization of the temperature and humidity profiles. L. I. Koplova, M. S. Malkevich. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1: 27-32 Ja '65.

Preliminary experimental data on thermal errors of nonrotating wire resistance thermometers in the free atmosphere. I. U. A. Glagolev. Trudy TSO no. 60: 76-79 '64.

Some possibilities of studying the heat and moisture exchange in the atmosphere. E. M. Feigel'son. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1: 33-44 Ja '65.

Some statistical characteristics of the vertical structure of the temperature and humidity fields. S. M. Popov. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1: 18-26 Ja '65.

Vertical temperature and wind velocity profiles in the lowest atmospheric layer. A. S. Gurvich. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1: 55-65 Ja '65.

ATMOSPHERIC TRANSPARENCY see subdivision under Antarctic regions, Soviet Central Asia

## ATMOSPHERIC TURBULENCE

Langrangian characteristics of turbulence in a thermally stratified surface layer and in convective jets. A. M. Iaglom. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2: 157-166 F '65.

Properties of the symmetry of turbulence in the surface layer of air. A. S. Monin. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1: 45-54 Ja '65.

Some characteristics of the development of turbulence over a flat terrain. N. Z. Pinnus. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3: 266-271 Mi '65.

Turbulent regime in the lowest atmospheric layer. S. S. Zilitinkevich, D. I. Laikhtman. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2: 150-156 F '65.

## ATOMIC BOMB SHELTERS

Gorshkov, L. M. [Simplest shelters for protection from weapons of mass destruction] Prostaishe ukrystiya dlia zashchity ot oruzhija massovogo porazheniya. Moskva, DOSAAF, 1965, 47 p. (Naseleniu o grazhdanskoi oborone)

ATOMIC BONDS see Binding energy

## ATOMIC ENERGY

Atomic energy in the service of chemistry. E. Vybornova. Inform. bul. VDNKH no. 5: 32 My '64.

Use of an electronic computer in calculating the relative population of atomic energy levels. R. A. Gullaev, T. L. Vinnikova. Astron. zhur. 42 no. 3: 500-514 My-Je '65.

## ATOMIC MASS

Kravtsov, V. A. [Atomic masses and nuclear binding energies] Massy atomov i energii svyazi yader. Moskva, Atomizdat, 1965, 375 p.

Masses of stable isotopes of neodymium, praseodymium, cerium, and lanthanum. R. A. Demirkhanov, V. V. Dorokhov, M. I. Drkula. Izv. AN SSSR. Ser. fiz. 20 no. 6: 867-861 My '65.

ATOMIC NUCLEI see Nuclei, Atomic

## ATOMIC POWER PLANTS

Development of nuclear power engineering. V. A. Gol'tsem. Encyclopedicheskii slovar' no. 1: 61-63 Ja-Mr '65.

## ATOMIC POWER PLANTS—ELECTRIC EQUIPMENT

Small thermocouples for measuring temperature in the reactor of the first atomic electric power plant. V. I. Subbotin and others. Teploenergetika 12 no. 5: 91-94 My '65.

## ATOMIC SPECTRA

Ionization of doubly excited atoms in an electric field. D. I. Khomskii. Opt. i spektr. 18 no. 3: 524-525 Mr '65.

## ATOMIC WARFARE

"Blinding" and ritual burns caused by nuclear explosions. A review of literature. S. G. Sherashov. Voen.-med. zhur. no. 10: 23-26 '64.

In the interests of studying modern weapons. M. Lelchukin. Komm. Vooruzh. Sil 46 no. 4: 33-37 F '65.

## ATOMIC WEAPONS

Radiological weapons. P. Krasola. Voen. znaniya 41 no. 6: 38 Je '65.

## ATOMIC WEAPONS—INTERNATIONAL CONTROL

Peace and security in Europe. Mezhdunar. zhizn' 12 no. 5: 3-8 My '65.

## ATOMIC WEAPONS—PHYSIOLOGICAL EFFECT

Barotrauma of the ear following the action of air percussion wave of nuclear explosions; review of literature. S. G. Sherashov, P. I. Burenin, V. N. Morezov. Voen.-med. zhur. no. 7: 39-44 '64.

## ATOMIZATION

Statistical dispersion characteristics of the spray produced by a rotating atomizer. A. M. Lastovtsev. Trudy MIKHM 26 78-89 '64.

## ATOMS

Atomic and molecular orientation by resonance radiation in outer space. D. A. Varshalovich. Astron. zhur. 42 no. 3: 557-566 My-Je '65.

## ATTAR OF ROSES

(see also subdivision under Crimea)

Storage of roses and their preparation for essential oil extraction. N. A. Turysheva, A. P. Poliakov. Izv. vuz. ucheb. zav., plashch. tekhn. no. 2: 28-33 '65.

## ATTORNEY AND CLIENT

Control of the quality of the trial performance of an attorney. S. I. Astrubetskiy. Rad. pravo 26 no. 3: 101-102 My-Je '65.

Protection of property and private rights of citizens by advocate. M. Tololovskaya. Sov. iust. 20 no. 10: 13-15 My '65.

## AUDIO-VISUAL EDUCATION

This can be done in every school. N. Orlov. Nauch. obs. no. 5: 51-53 My '65.

## AUDIO-VISUAL EQUIPMENT

A start in life for technical means. I. U. Znamenskiy. Bibliotekar' 42 no. 3: 43-46 Mr '65.

## AUDITING AND INSPECTION

(see also subdivision under Gorky, Ivano-Frankovsk Province, Leningrad District, Leningrad, Moscow, Ukraine)

Improve the administrative apparatus. A. I. Ley, G. Neumov. Sov. torg. 38 no. 5: 37-38 My '65.

Improve the intradepartmental financial control. P. Ganchev. Bukhg. uch. 22 no. 3: 33-35 Mr '65.

Main points of public accounting. M. Atlas, V. Spanovskii. Nauch. dokl. vuz. shkoly, ekon. nauki 6 no. 3: 50-54 '65.

Mal'kov, V. V. [Public control in Soviet state administration] Obshchestvennyi kontrol' v sovetskoi gosudarstvennom upravlenii. [Moskva] Izd-vo Mosk. univ., 1965, 122 p.

Moscow, Akademiya obshchestvennykh nauk. [The Leninist system of party-state control and its role in the construction of socialism, 1917-1932] Leninistika sistema partino-gosudarstvennogo kontrolya i ego rol' v stroitel'stve sotsializma (1917-1932 gg.) Moskva, Mysl', 1965, 203 p.

Relationships between the auditor and the investigator. B. Rozovskii. Bukhg. uch. 21 no. 10: 26-28 O '64.

Role of actual control during audit. V. Palil. Bukhg. uch. 22 no. 3: 35-37 Mr '65.

## AURANTIN

Antitumor and toxic action of individual auranins (actinomycins). O. V. Zubova. Dokl. AN SSSR 162 no. 4: 934-936 Je '65.

Sensitivity of different interphase periods to the injury of RNA synthesis caused by auranin. I. D. Bellaeva. Dokl. AN SSSR 161 no. 5: 1205-1207 Ap '65.

## AURORAS

Some characteristics of the relationship between auroras and magnetic disturbances. S. A. Zaitseva. Geomag. i aer. 5 no. 3: 555-568 My-Je '65.

## AUSTENITE—THERMODYNAMICS

Thermodynamic properties of austenite as related to its structure. I. A. Tomilin. Dokl. AN SSSR 162 no. 2: 384-387 My '65.

## AUSTRALIA—TRADE UNIONS

Conflicts which must be settled. Vsem. prof. dvizh. no. 3: 37-38 My '65.

## AUSTRIA—CAPITALISM

Ledovskikh, S. I., and B. M. Patyk. [State monopoly capitalism in Austria after the Second World War] Gosudarstvenno-monopolisticheskii kapitalizm v Avstrii; posle Vtoroi mirovoi voiny. Moskva, Mysl', 1965, 141 p.

## AUSTRIA—COMMERCE—RUSSIA

Business ties with neutral Austria become stronger. I. U. Grachev. Vnesh. torg. 45 no. 5: 17-19 '65.

## AUSTRIA—GOVERNMENT OWNERSHIP

Ledovskikh, S. I., and B. M. Patyk. [State monopoly capitalism in Austria after the Second World War] Gosudarstvenno-monopolisticheskii kapitalizm v Avstrii; posle Vtoroi mirovoi voiny. Moskva, Mysl', 1965, 141 p.

## AUSTRIA—NEUTRALITY

Radical change in the destiny of a country. D. Zedgindze. Mezhdunar. zhizn' 12 no. 5: 128-129 My '65.

## AUSTRIA—POLITICS AND GOVERNMENT

Not everything is the same. ... Karel Douděra. Nov. vrem. 23 no. 24: 16-17 Je '65.



**BAKING—TABLES, CALCULATIONS, ETC**

Proportioning of yeast depending on its baking strength and dough formula. A. A. Zav'yalov. Khleb i kond. prom. 9 no. 3-4-9 Mr '65

**BAKU—CASTLES—MODULAR DESIGN**

Module in the composition of the castle of the shirvan-shahs in Baku. L. G. Mamkonov. Arkh. i. nas. 17-147-154 '64

**BAKU—CLIMATOLOGY, MEDICAL**

Influence of Baku weather on hemodynamics of practically healthy elderly and senile persons. O. G. Akhverdiev. Vop. geron. i. geriat. 4:83-85 '65.

**BAKU—PETROLEUM REFINING**

Effect of the operation of a preliminary evaporator on the sampling of bright petroleum products. F. M. Ragimov, E. P. Avanesova. Nefteper. i. neftekhim. no. 4-3-4 '65.

**BAKU—PETROLEUM REFINING—EQUIPMENT AND SUPPLIES**

Stabilizing the draft of pipestill flues. S. A. Farfamazov, V. G. Kosenkov, K. R. Akhmedov. Nefteper. i. neftekhim. no. 4-45-47 '65.

**BAKU—PHYSICAL EDUCATION AND TRAINING**

Sport as the chief assistant. A. Sarychev. Prof. i. tekhn. obr. 22 no. 4-20-21 Ap '65

**BAKU—STRIKES AND LOCKOUTS—PETROLEUM WORKERS**

The strike in Baku in 1914. IE, IA, Masumian. Ukr. ist. zhur. 8 no. 6-97-101 N-D '64.

**BAKULEV, SERAFIM NIKOLAEVICH, 1904-**

S. N. Bakulev, A. K. Krasnov. Sud.-med. eksp. 8 no. 1-60-01 Ja-Mr '65

**BAKUNIN, MEKHAIL ALEKSANDROVICH, 1814-1878**

New data on the Bakunin family. I. F. Golubev. Ist. SSSR. 9 no. 2-11-212 Mr-Apr '65

**BALANCING OF MACHINERY**

Self-balancing of the inner cylinders of combined washing machines. V. A. Minaev-TSikanovskii. Sbor. nauch. rab. AKKH no. 7-65-91 '61.

**BALASHUKHA (MOSCOW PROVINCE)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**

Anger and haste are bad advisers. A. Shiriaev. Part. zhizn' no. 11-40-42 Je '65.

**BALASHUKHA (MOSCOW PROVINCE)—MACHINERY INDUSTRY WORKERS**

Anger and haste are bad advisers. A. Shiriaev. Part. zhizn' no. 11-40-42 Je '65.

**BALASHOV DISTRICT—AGRICULTURE**

Practice in developing the specialization of collective and state farms in Balashov District. F. Langel'd. Ekon. sel'khoz. 40 no. 4-58-65 Ap '65.

**BALKAN PENINSULA—LANGUAGES**

Tskv'ian, T. V. [The noun in the Balkan languages; on the structural and typological characteristics of the Balkan language union] Imia sushchestvitel'noe v balkanskikh iazykakh; k strukturno-tipologicheskoi kharakteristike balkanskogo iazykovogo soiuza. Moskva, Nauka, 1964.

**BALLET see subdivision under Lithuania****BALLOONS, PILOT**

Vertical velocities of pilot balloons loaded with a rotating flashlight. Z. F. Belova. Trudy TSAO no. 60-65-75 '64.

**BALSAMS**

Shostakovskii, M. F., and others. [Curative polymers] Tselebnye polimery. Moskva, Izd-vo "Znanie," 1965. 43 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Biologiya i meditsina, no. 6)

1H

\* the Baltic cod and bank  
E. Antonov. Ryb.

W

. A. Usminskii

the Baltic region,  
'Ser. B no. 3-111-

okol'ev. Kryl. rod.

E. Dodin. Az. i

**BAMBARA WOOD CARVING see Wood carving, Bambara****BANACH SPACES**

Bessel and Hilbert systems in Banach spaces and some stability problems. B. E. Veits. Izv. vys. ucheb. zav., mat. no. 2-7-23 '65  
Convexity and smoothness moduli of Banach spaces. V. I. Gurarii. Dokl. AN SSSR 161 no. 5-1003-1006 Ap '65  
Factors in categories of Banach spaces determined by KB-lineals. V. L. Levin. Dokl. AN SSSR 162 no. 2: 262-265 My '65.  
Geometry of cones in a Banach space. I. A. Bakhtin. Sib. mat. zhur. 6 no. 2:262-270 Mr-Apr '65.  
Perturbations of sequences of elements of a Banach space. V. D. Mil'man. Sib. mat. zhur. 6 no. 2:308-412 Mr-Apr '65.

**BAND SAWS—WELDING**

Gozenpul, M. D. [Electric butt welding of band saws] Stykovaia elektrosvarka lentochnykh pil. Moskva, Lesnaya promyshlennost', 1965. 32 p.

**BANDAGES AND BANDAGING**

Cotton viscose gauze of loose weave structure. N. A. Shluger, Z. V. Mikritichova, A. I. Manzherskii. Voen.-med. zhur. no. 11-93 '64

**BANK EMPLOYEES**

The solution of the problems of bank employees calls for joint action. D. Krause. Vsem. prof. dvizh. no. 3-34-36 My '65

**BANKS AND BANKING**

(see also subdivision under Odessa)

Commerce and the State Bank. L. Laptsev. Sov. torg. 38 no. 5:18-19 My '65.  
Main points of public accounting. M. Atlas, V. Spanovskii. Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3: 50-54 '65

**BAR ASSOCIATIONS**

(see also subdivision under Armenia)

How to facilitate the work of the bar. Sots. zakon. 42 no. 5-77-80 My '65

**BARANOV, PAVEL ALEKSANDROVICH, 1892-1962**

In memory of Pavel Aleksandrovich Baranov (1892-1962). IU. I. Polianskii. TSitologiya 4 no. 5:595-597 S-O '62.

**BARANOVICH (WHITE RUSSIA)—CLOTHING INDUSTRY—ACCOUNTING**

Accounting for the unfinished production. I. Belobzhetskii. Bukh. uch. 22 no. 4:43-46 Ap '65.

**BARANOVSKII, STEPAN IVANOVICH, 1817-1890**

Unfortunate fate of a father and his son. B. Zubkov. Izobr. i. rats. no. 4-30-33 '65.

**BARANOVSKII, VLADIMIR STEPANOVICH, 1846-1879**

Unfortunate fate of a father and his son. B. Zubkov. Izobr. i. rats. no. 4-30-33 '65

**BARBERIES**

(see also subdivision under Turkmenistan)

Some biological characteristics of the purple-leaf form of the common barberry (Berberis vulgaris L. f. atropurpurea Rgl.). B. G. Kholodenko. Izv. AN Mold. SSR no. 10-3-12 '63.

**BARBITAL**

Effect of the solubility of ether in water and of other factors in the loss of barbitol during its isolation from aqueous solutions. V. I. Lobanov. Farmatsev. zhur. 10 no. 1-55-58 '64

**BARENTS ISLAND—GEOLOGY, STRATIGRAPHIC**

Ascertainment of Permian sediments on Barents Island (Spitsbergen archipelago). B. A. Klubov. Dokl. AN SSSR 162 no. 3:629-631 My '65.

**BARGES**

Make wider use of recent and progressive developments. Rech. transp. 24 no. 3:11-12 '65.

**BARGUZIN PRESERVE—HOUSE MARTIN**

First results of house martin banding in the Barguzin Preserve. Trudy BGZ no. 2-127-130 '60.

**BARGUZIN PRESERVE—MAMMALS**

Materials on mammals of the Barguzin Preserve. Trudy BGZ no. 2:147-73 '60

**BARGUZIN PRESERVE—NATURE STUDY**

Scientific research in Barguzin Preserve. O. K. Gusev. Trudy BGZ no. 2:155-174 '60

**BARGUZIN PRESERVE—SABLES**

Materials on the habitats of the Barguzin sable and the distribution of its density. N. G. Skriabin. Trudy BGZ no. 2-35-42 '60.

**BARGUZIN PRESERVE—SABLES—FEEDING AND FEEDS**

Early spring feeding habits of the Barguzin sable. B. F. Belyshev. Trudy BGZ no. 2:43-45 '60.

**BARGUZIN PRESERVE—THERMAL WATERS**

Some data on hot springs of the Barguzin Preserve. P. I. Martynov. Trudy BGZ no. 2-147-154 '60.

**BARGUZIN PRESERVE—TITMICE**

Dynamics of a titmouse flock in the Barguzin Preserve. K. P. Filonov. Trudy BGZ no. 2-101-108 '60

**BARGUZIN RANGE—MOOSE**

Distribution and the characteristics of the habitat of the moose of the Barguzin Range. S. K. Ustinov. Trudy BGZ no. 2-75-80 '60

**BARGUZIN RANGE—MOSESSES**

Mosses of bald peaks of the Barguzin Range. L. V. Baidunov. Trudy BGZ no. 2-135-145 '60.

**BARGUZIN VALLEY—BIRDS**

Birds of the Barguzin River basin. T. N. Gagina. Trudy BGZ no. 2-115-126 '60.

Ornithological finds in the northeastern coastal area of Lake Baikal and in the Barguzin Valley. N. G. Skriabin. Trudy BGZ no. 2:109-114 '60

**BARITE**

Efficient use of a barite weighting material. M. IU. Salamov, P. G. Nazarov, G. D. Detin. Burende no. 5-9-12 '64

Permissible content of finely dispersed fractions in barite. E. D. Shchekina, I. D. Fridman. Burende no. 4-10-20 '64.

**BARIUM SILICATES**

Solid solutions of Ba<sub>2</sub>SiO<sub>4</sub> - Ba<sub>2</sub>GeO<sub>4</sub>. R. G. Greben-shchikov, N. A. Toropov, V. I. Shitova. Izv. AN SSSR. Neorg. mat. 1 no. 1:121-125 Ja '65.

**BARK**

Yield of products in the gasification of the bark of coniferous wood. V. A. Llamn. Gidroliz i lesokhim. prom. 10 no. 3:13-11 '65

**BARK BEETLES see subdivision under Roslov Province****BARK BEETLES—EXTERMINATION see subdivision under Ketmen' Range i region****BARLEY see subdivision under Alma-Ata Province****BARLEY—VARIETIES see subdivision under Alma-Ata Province****BARLEY, FOSSIL see subdivision under Switzerland****BARNAUL—COMRADES COURTS**

Gusev, V. V. [On public trial] Na sud obshchestven-nosti. Barnaul, Altalskoe knizhnoe izd-vo, 1962. 63 p. [MICROFILM]

**BARS (ENGINEERING)**

Manufacture of gate bars by the method of longitudinal die rolling. I. A. Tarnovskii and others. Kur. sbtun. proizv. 7 no. 3-9-10 Mr '65.

Methodology of the design for restricted torsion of a thin-walled rod fastened with bolts on its ends. S. P. Vostruknov. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 1:141-146 '65.

**BARSAUSKAS, KAZIMIERAS, 1904-1964**

Kazimieras Barsauskas; 1904-1964; an obituary. Trudy AN Litv. SSR. Ser. B no. 3:211-215 '64.

**BARYONS**

Annihilation of a baryon-antibaryon pair producing a meson and a virtual gamma quantum ( $N + \bar{N} \rightarrow \pi + e^+ + e^-$ ,  $\bar{Y} + N \rightarrow K + e^+ + e^-$ ) at high energies. M. P. Rekalov. Ukr. fiz. zhur. 10 no. 4:357-367 Ap '65.  
Electromagnetic adron production and unitary symmetry. M. F. Rekalov. IAd. fiz. 1 no. 3:511-523 Mr '65.  
Electromagnetic differences of baryon masses, and the SU<sub>6</sub>-symmetry. A. D. Dolgov and others. IAd. fiz. 1 no. 4:730-732 Ap '65.

**BARYONS—DECAY**

S-amplitudes of adronic decay of baryons and SU (6) - symmetry. S. G. Matinian. Zhur. eksp. i teor. fiz. 48 no. 4:1204-1208 Ap '65.

**BASAL METABOLISM**

Changes in the basal metabolism processes in an extremity during its experimental replantation. K. IU. Asta-shenkova. Khirurgiya 41 no. 4:103-109 Ap '65.

**BASALT**

Crystallization of basaltic melt in a dry system and under the pressure of water vapor. N. F. Chelishchev. Dokl. AN SSSR 161 no. 6:1419-1421 Ap '65.

Some characteristics of the crystallization of haplo-basaltic melts. S. D. Chetvernikov, Siun Da-khe (Hsiung Ta-ho), A. M. Batanova. Vest. Mosk. un. Ser. 4: Geol. 20 no. 4:21-20 Mr-Apr '65.

**BASE-EXCHANGING COMPOUNDS**

Use of the KU-2 cationite for the production of fomite milk. TS. S. Nisimman. Izv. vys. ucheb. zav. i pishch. tekhn. no. 1:95-97 '65.

## BCG VACCINATION

Clinical characteristics of acute radiation sickness in monkeys following preliminary BCG vaccination. N. V. Raeva, N. N. Klemparskaya, I. N. Usacheva. Med. rad. 9 no. 7:37-41. 1961.

Golden hamster as an experimental model for the study of tuberculous and antituberculous vaccination. A. M. Rosenkrantz, N. N. Pissenko. Zhur. mikrobiol., epid. i immun. 42 no. 1:131-136. 1965.

Morphology of early reactive changes in rats following introduction of a mycobacterial stimulant. G. V. Kovalovskii. Arkh. pat. 27 no. 4:57-65. 1965.

Study on the heat exchange level in rabbits vaccinated against tuberculosis, based on data of direct and indirect calorimetry. A. F. Polushkina. Biol. eksp. biol. i med. 59 no. 4:30-33. 1965.

## BABEL', ISAAK EMMANUILOVICH

Smith, I. A. [Works of I. E. Babel' as prosaist; author's abstract of a dissertation for the degree of Candidate of Philological Sciences] Tvorcheskii put' I. E. Babel'ia-prozai, avtorizat dissiatsii na soiskaniie uchenoj stepeni kandidata filologicheskikh nauk. Alma-Ata, Kazakhskii gos. pedagog. in-t, 1964. 22 p. [MICROFILM]

## BABESIELLA

Characteristics of the immunity created by the cooperation of Babesia bovis and the macro-organism. M. I. Dyl'ko. Vestnik AN BSSR. Ser. biol. i med. 1:106-109. 1965.

## BABKOVA, NADEZHDA SEMENOVNA

With a book and machine gun. A. Morozov. Biblioteka. 42 no. 4:26-27. 1965.

## BABYLONIA—SLAVERY

Symptoms of the crisis of the slavery system in the New Babylon, in the sixth century B.C. V. A. Bellavskii. Vest. LGU. 20 no. 5:4-6. 1965.

## BACH, JOHANN SEBASTIAN, 1685-1750

Hammerschlag, Janos. [If Bach had kept a diary... Translated from the Hungarian] Esti by Bach vet dnevnik... [Z. Ird. Budapest] Ird-vo Korvina [1963] 143 p.

## BACILLUS MESPENTERICUS—CULTURES AND CULTURE MEDIA

Effect of salt components of the medium on morphology, growth and protease activity of Bac. subtilis and Bac. mesentericus. L. I. Medvina, I. D. Kolchyn'ska, N. Z. Tin'anova. Mikrobiol. zhur. 26 no. 3:14-18. 1964.

## BACILLUS SUBTILIS—CULTURES AND CULTURE MEDIA

Effect of salt components of the medium on morphology, growth and protease activity of Bac. subtilis and Bac. mesentericus. L. I. Medvina, I. D. Kolchyn'ska, N. Z. Tin'anova. Mikrobiol. zhur. 26 no. 3:14-18. 1964.

Reproduction of Bacillus subtilis phages in a noncellular bacterial medium. P. A. Bulanov, V. A. Polkhovskii. Dokl. AN BSSR. 9 no. 2:125-126. 1965.

## BACTERIA, AEROBIC

Possibility of using Bacterium prodigiosum as an experimental model of bacterial aerosol. V. V. Vlodavets. Zhur. mikrobiol., epid. i immun. 41 no. 11:65-68. 1964.

## BACTERIA, ANAEROBIC

Possibility of using the fluorescence microscopy method for the differentiation of living and dead cells in anaerobic bacteria. V. V. Lipshyt, S. S. Nahorna. Mikrobiol. zhur. 26 no. 3:73-76. 1964.

## BACTERIA, HETEROTROPHIC—CULTURES AND CULTURE MEDIA

Effect of amino acids on the development of Bacillus brevis var. GB and on gramicidin-C biosynthesis. G. G. Zharikova, Prikl. biokhim. i mikrobiol. 1 no. 1:33-39. 1965.

## BACTERIA, LUMINOUS

Energy relationships between bioluminescence and respiration of luminescent bacteria. I. I. Gitol'zon, R. I. Chumakova, A. M. Fish. Biofizika. 10 no. 1:100-104. 1965.

## BACTERIA, PATHOGENIC

Study on the pathogenic action of the microflora of the small intestine. O. Fodor, D. Dumitrescu. Sov. med. 28 no. 5:52-54. 1965.

## BACTERIA, PHYTOPATHOGENIC

Bacterial disease of apricot in Moldavia. M. T. Petrukhina, Infek. zab. kul't. rast. Mold. no. 1:128-142. 1962.

Bacterial lupine diseases. I. B. Korol'ova. Mikrobiol. zhur. 27 no. 2:87-91. 1965.

## BACTERIA, SULFUR

Porphyria pigments of green sulfur bacteria. V. E. Uspenskaya. Dokl. AN SSSR. 162 no. 4:940-943. 1965.

Sulfate reduction in the flooded soils of Kyzyl-Orda Province. A. N. Mialeldinov. Izv. AN Kazakh SSR. Ser. biol. nauk. 3 no. 2:15-19. Mr-Apr. 1965.

## BACTERIA, SULFUR—CULTURES AND CULTURE MEDIA

Requirement of some microelements by purple and green sulfur bacteria. I. N. Kondrat'eva, L. I. Taitanenko, R. S. Sumarukova. Nauch. dokl. vys. shkoly; biol. nauk. no. 2:176-180. 1965.

## BACTERIA, THERMOPHILIC

Thermophilic micro-organisms in refined granulated sugar and refinery products. V. M. Kats, V. Z. Nakhodkina, L. A. Korobeinikova. Sakh. prom. 39 no. 3:8-12. 1965.

## BACTERICIDES

Antibacterial cellulose fibers and fabrics. T. A. Mal'iseva and others. Tekst. prom. 25 no. 1:15-17. 1965.

Antibacterial effect of polyvinyl alcohol fibers containing specific chemical groups. B. V. Sokolov, L. A. Vol'f, A. V. Markovich. Zhur. mikrobiol., epid. i immun. 41 no. 11:54-58. 1964.

Bactericidal factors of the blood serum. Report No. 1.

Bactericidal factors of the serum of normal animals and healthy persons. V. M. Suponskaya. Zhur. mikrobiol., epid. i immun. 41 no. 11:107-111. 1964.

Study of the nature of the basic bactericidal factors of purulent aseptic exudate in white rats. V. N. Solov'ev, N. V. Chumachenko, E. M. Sokolova. Zhur. mikrobiol., epid. i immun. 42 no. 4:112-116. 1965.

## BACTERIOPHAGE

Classification of the phages of Flexner's Bacterium dysenteriae. V. V. Zheltva. Mikrobiol. zhur. 26 no. 3:54-59. 1964.

Comparison of the sensitivity of pathogenic staphylococci to antibiotics with the results of their phage typing. I. M. Buniatova. Antibiotiki. 10 no. 2:185-189. 1965.

Correlation of toxigenicity, sensitivity to phages and antibiotics in variants of Corynebacterium diphtheriae produced in the interaction with diphtheria, staphylococcal and streptococcal phages. E. V. Bakulina. Antibiotiki. 10 no. 2:159-162. 1965.

Detection of dysenteric bacteria in reconvalescents with the help of the phage titer increase reaction. N. V. Stomova. Mikrobiol. zhur. 26 no. 3:59-62. 1964.

Detection of typhoid bacilli in the blood by the phage titer growth reaction. N. I. Kashanova, A. V. Matveeva. Trudy TSU. 68:79-81. 1964.

Effect of quaternary salts of 4-(n-dialkylammonophenyl)-pyridines on dysentery bacteriophage. L. R. Kolomoitsev and others. Mikrobiol. zhur. 27 no. 2:55-60. 1965.

Induction of r- and h-mutations in the treatment of the extracellular T-2 phage with hydroxylamine and o-methylhydroxylamine. B. F. Chubukov, S. G. Tatarinova. Zhur. mikrobiol., epid. i immun. 42 no. 4:80-83. 1965.

Lysophilization of type-specific staphylococcal phages. M. P. Nefed'eva and others. Zhur. mikrobiol., epid. i immun. 42 no. 4:121-125. 1965.

Lysogenic conversions of citrate resistance in Actinomyces venezuelae. I. A. I. Rautenshtein, N. F. Fadeeva. Dokl. AN SSSR. 161 no. 5:1441-1443. 1965.

Lyso-genicity of the paratyphoid fever A and B bacteria. E. B. Maslova, V. I. Trubina. Zhur. mikrobiol., epid. i immun. 41 no. 11:73-79. 1964.

Phage typing of Staphylococcus isolated from various population groups of Transcarpathia. M. M. Ladanii. Mikrobiol. zhur. 27 no. 2:66-73. 1965.

Phagotype picture of typhoid fever cultures in the Crimea Province from 1960 to 1962. A. F. Privalov, M. A. Bessonova, N. N. Zolotarevskaya. Zhur. mikrobiol., epid. i immun. 41 no. 11:125-128. 1964.

Phage typing of Staphylococcus isolated from tuberculosis patients and medical personnel. I. R. Dorozhikova. Zhur. mikrobiol., epid. i immun. 41 no. 11:90-94. 1964.

Rapid method for determining the sensitivity of microflora to antibiotics and bacteriophages. V. N. Kotsarev, T. A. Levina. Voen.-med. zhur. no. 7:72-74. 1964.

Reproduction of Bacillus subtilis phages in a noncellular bacterial medium. P. A. Bulanov, V. A. Polkhovskii. Dokl. AN BSSR. 9 no. 2:125-126. 1965.

## BADKHYZ, MOUNT—PALYNOLOGY

Spore-pollen complexes of Senonian and Turonian sediments in the mountainous Badkhyz (Turkmenia). Biol. MOIP, Otd. geol. 40 no. 2:115-120. Mr-Apr. 1965.

## BADKHYZ REGION (TURKMENISTAN)—ROCKS, IGNEOUS

Presence of alkali-acid basaltoid rocks in the Badkhyz region. A. I. Proskurko. Dokl. AN SSSR. 162 no. 4:905-908. 1965.

## BAIKAL, LAKE—HYDROMETEOROLOGY

Verbolov, V. I., V. M. Sokol'nikov, and M. N. Shimaraev. [Hydrometeorological regime and heat budget of Lake Baikal] Gidrometeorologicheskii rezhim i teplovai balans ozera Baikal. Moskva, Nauka, 1965. 372 p.

## BAIKAL, LAKE—TEMPERATURE

Verbolov, V. I., V. M. Sokol'nikov, and M. N. Shimaraev. [Hydrometeorological regime and heat budget of Lake Baikal] Gidrometeorologicheskii rezhim i teplovai balans ozera Baikal. Moskva, Nauka, 1965. 372 p.

## BAIKAL, LAKE—WINDS

Squall on Lake Baikal. L. I. Lut. Meteor. i gidrol. no. 6:38-39. 1965.

## BAIKAL LAKE REGION—A PATITE

Find of apatite-bearing rocks in the Synmyr Massif of nepheline syenite (northern part of the Lake Baikal region). I. A. Nechaeva. Dokl. AN SSSR. 161 no. 5:101-104. 1965.

## BAIKAL LAKE REGION—BIRDS

Ornithological finds in the northeastern coastal area of Lake Baikal and in the Barguzin Valley. N. G. Skriabin. Trudy BGZ. 2 no. 2:109-111. 1960.

Structure of the ornithofauna of the Baikal Lake region and the problems of its origin. T. N. Gagina. Trudy BGZ. 2 no. 2:81-100. 1960.

## BAIKAL LAKE REGION—DRAGONFLIES

A hot spring as the habitat of dragonfly larvae. B. F. Belyshev. Trudy BGZ. 2 no. 2:131-133. 1960.

## BAIKAL LAKE REGION—HAMBERGITE

Beryllium borate, hambergite in the alkali pegmatites of the Lake Baikal region. E. I. Semenov, A. V. Bykova. Dokl. AN SSSR. 161 no. 6:1407-1408. 1965.

## BAIKAL LAKE REGION—NATURAL HISTORY

Where the Baikal waves are lapping? "In the mountains of the northern Lake Baikal region" by O. K. Gusev.

Reviewed by N. A. Gladkov. Priroda. 54 no. 1:124. 1965.

## BAKERIES

(see also subdivision under Irkutsk, Leningrad, Lithuania)

From newspaper pages. Khleb i kond. prom. 9 no. 3:45. 1965.

Mechanized bin filling with flour. A. P. Shurygin. Khleb, i kond. prom. 9 no. 5:30-31. 1965.

Methods of proportioning of liquid ingredients. A. S. Shpigol'glass. Khleb i kond. prom. 9 no. 3:9-11. 1965.

Need for a revision of the Regulations for Industrial Laboratories. R. V. Shmuk'skaya. Khleb, i kond. prom. 9 no. 5:3. 1965.

Training of specialists. I. U. f. Grachev. Khleb, i kond. prom. 9 no. 5:1-3. 1965.

## BAKERIES—ACCOUNTING

Improve the accounting and economic analysis in the enterprises of the baking industry. M. T. Blukha, Khar. prom. no. 2:77-80. Ap-Je. 1965.

## BAKERIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Leningrad)

Characteristics of the thermal conditions of the Kh-29 oven. O. T. Lisovenko, O. A. Rudenko-Hrytsuk. Khar. prom. no. 2:23-26. Ap-Je. 1965.

Lengthening the service life of the cams of SD dough dividers. A. V. Danilov. Khleb, i kond. prom. 9 no. 5:28-29. 1965.

Methodology for determining the degree of overall mechanization and automation in the baking industry. E. A. Pankova. Khleb i kond. prom. 9 no. 3:19-21. 1965.

Proportioning of liquid ingredients with a chamber type proportioner. A. S. Shpigol'glass. Khleb, i kond. prom. 9 no. 5:9-11. 1965.

Relaxation of stresses in the dough for ring-shaped rolls. S. A. Machikhin, I. U. A. Machikhin. Khleb, i kond. prom. 9 no. 5:4-5. 1965.

Remodeled KDF-M2 dough divider. V. N. Ogorodnik. Khleb, i kond. prom. 9 no. 5:25-26. 1965.

Simplest emulsifying apparatus. A. A. Nikolov. Khleb, i kond. prom. 9 no. 5:27-28. 1965.

Standardization of bread molds. V. V. Sucherbatenko and others. Khleb, i kond. prom. 9 no. 5:6-8. 1965.

Unit for the preparation of emulsions. M. I. Grebennikov. Khleb, i kond. prom. 9 no. 5:29-30. 1965.

## BAKERIES—TECHNOLOGICAL INNOVATIONS

see subdivision under Yaroslavl

## BAKING

Use of enzyme preparations. B. S. Abramzon. Khleb i kond. prom. 9 no. 3:24-26. 1965.

Use of fat-and-water emulsions. A. I. Trushkina, G. I. Sevruk. Khleb, i kond. prom. 9 no. 5:26-27. 1965.

Yeast Schizosaccharomyces Pombe in baking. D. L. Shmits and others. Izv. AN Kazakh SSR. Ser. biol. nauk. 3 no. 2:20-27. Mr-Apr. 1965.

## BAKING—PATENTS

Patents. Khleb i kond. prom. 9 no. 3:44. 1965.

**BERKOV' REGION—COMMUNIST PARTY OF VIET UNION—PARTY WORK**  
Leonid Lomazov, Far. zhizn' no. 10, 1965.

#### ALLEY—PASTURES AND MEADOWS

Classification of the meadow vegetation of the B.M. Mirkin. Bot. zhur. 50 no. 3:324-1965.

#### ALLEY—PLANT COMMUNITIES

Classification of the meadow vegetation of the B.M. Mirkin. Bot. zhur. 50 no. 3:324-1965.

#### ELECTIONS

Nov. vrem. 23 no. 23:3 Je '65.

#### STRIKES AND LOCKOUTS—PETROLEUM INDUSTRY

Recent strike of petroleum industry workers. Vojen. Vsem prof dvizh no. 3:22-24 My '65.

#### DELIVERY OF GOODS (LAW)

Representatives of the public in the delivery of goods. E.V. Brinykh Sov gos i pravo 190-93 My '65.

#### PROVINCE—LIGHTNING PROTECTION

Lightning protection in rural areas (based on the example of Belgorod Province). V.N. Cherkasov, I.A. Pozh. bezop. no. 3:64-75 '64.

#### PROVINCE—RURAL CONSTRUCTION

Games. I. Panchenko Sel. stroi. 19 no. 1:8 '65.

#### VISSARION GRIGOR'EVICH, 1811-1848

His family. V. Nechaeva Vop. lit. 9 no. 4:234-1965.

#### ANNA

Acid and alkaloid dynamics in belladonna as studied by its development. L.N. Bereznevskaya, Nauch. dokl. vys. shkoly, biol. nauki 15-169 '65.

#### HYDROELECTRIC POWER STATION—ELECTRONIC APPARATUS AND APPLIANCES

Controlled protection and automatic control system of hydraulic power unit and transformer of the Ark Hydroelectric Power Station. A.V. Biriukov, Nauch. dokl. vys. shkoly, biol. nauki 15-169 '65.

#### PROVINCE (VOLOGDA PROVINCE)—ROADS, STREETS

Technical aspects of the construction of the Vologda Highway with track pavement made of concrete slabs in the Belozersk Logging District of Vologda Province. Georgievskaya avtomob. doroga s kolelnym pokrytiem iz zhelezobetonit v Belozerskom lesopromkhoz Vologodskoi [Vologda] Severo-Zapadnoe knizhnoe izd-vo, 36 p.

[MICROFILM]

#### AND BELTING

Use of tension belts in the factory shops. A.K. Bum prom no. 1:26 Ja '65.

Capacity of flat belt transmissions. V.N. Izv. vys. ucheb. zav., mashinost. no. 1:00-1965.

Dynamograph in controlling belt tension in transmissions. V.A. Aranzon, G.S. Alpa. 3.V. Makushin. Izv. vys. ucheb. zav., mashinost. 8-83 '65.

Operation of conveyor belts. I.U. D. Voskoboynikov, Put. khoz. 9 no. 4:39 '65.

See subdivision under Georgia; Tashkent (Turkmenistan); Ucha Reservoir

#### ITE

See subdivision under Armenia; Turkmenistan)

Properties of polyelectrolytes on the stability of aqueous suspensions of bentonites. L.T. Prilipko, O.D. Kurilenko, Khim. zhur. 31 no. 4:376-378 '65.

Chemical study of the process of wine clarification with bentonites. V.M. Loza, A.N. Iatayna, Izv. vys. ucheb. zav., fizich. tekhn. no. 1:57-60 '65.

#### DEHYDE

Reaction of benzaldehyde and p-nitrobenzaldehyde by ethyl-1,4-dihydroxycotinamide in an alkaline solution. A. A. Anikov, E.A. Shilov, O.M. Grishin, Ukr. khim. 31 no. 1:118-119 '65.

#### E

Interaction of benzene with butadiene. D.E. Mishlev, Guseinov, P.A. Petrostan. Dokl. AN Azerb. SSR 2:15-17 '65.

Benzene and n-hexane adsorption on aluminum oxide. A.M. Rubinshtein, K.I. Slovetskaya, T.R. Brueva. Izv. AN SSSR. Ser. khim. no. 5:800-802 '65.

Catalytic conversions of high-molecular weight paraffins. Report No. 3: Effect of benzene addition on the isomerization of n-octadecane in the presence of the industrial catalyst Wg. Kh. I.A. Orlov, A.A. Martynov. Izv. AN SSSR. Ser. khim. no. 5:798-800 '65.

Condensation of  $\alpha$ ,  $\gamma$ -dichlorobutyric acid chloride with benzene. E.I. Vasil'eva. Izv. AN SSSR. Ser. khim. no. 3:157-160 '65.

Conjugation of benzene rings through cross-links.

Z. A. Aune. Trudy AN Latv. SSR Ser. B. no. 3:91-94 '64.

Inspection of a carbon disulfide column. V.A. Zotov, E.L. Volkov. Koks i khim. no. 4:39-40 '65.

Investigating a reaction of the halogenation of benzene and its homologs with haloalkyl compounds with a catalyst on a base of boron fluoride. B. agim Galal, I.A.M. Pashkan. Trudy MINKHIMP no. 44:78-86 '63.

Low sulfur benzene for organic synthesis. A.P. Kolesov, V.E. Privalov, V.Z. Sokolov. Koks i khim. no. 4:35-38 '65.

Obtaining high purity aromatic hydrocarbons. L.I.U. Zhake, I.L. Gurevich. Trudy MINKHIMP no. 44:63-70 '63.

Orientation in substitution in the aromatic series. Part 15: Mechanism of dichlorobenzene isomerization. I.U. G. Eyskalov, A.A. Spryskov, T.A. Rumianseva. Zhur. org. khim. 1 no. 1:21-24 Ja '65.

Orientation in substitution in the aromatic series. Part 16: Effect of substituents on the reactivity of the benzene ring. A.A. Spryskov, G.A. Poliakova. Zhur. org. khim. 1 no. 1:24-27 Ja '65.

Phenylindoles and the conjugation of the benzene ring with the indole ring. A.N. Kost, I.P. Sugrobova, A.P. Akubov. Zhur. org. khim. 1 no. 1:24-29 Ja '65.

Preparation of sulfopolymers based on divinylbenzene and styrene, and study of their physicochemical characteristics. Z.G. Petrova and others. Azerb. khim. zhur. no. 3:83-89 '64.

Prospects for the introduction of new methods for the production of benzene. S.A. Feigina, B.B. Krupitski, L.A. Korogina. Nefteper. i neftekhim. no. 3:37-40 '65.

Synthesis of weakly basic anion exchangers based on copolymers of vinyl amine and divinylbenzene. I. Seondac, A.T. Nikolaev. Vysokom. soc. 7 no. 1:101-107 Ja '65.

**BENZENE DERIVATIVES**  
Interaction of lithium adduct of benzene with tert-C<sub>4</sub>H<sub>9</sub>Cl and n-C<sub>4</sub>H<sub>9</sub>Cl. E.P. Kaplan, Z.I. Kazakova, A.D. Petrov. Izv. AN SSSR. Ser. khim. no. 3:537-538 '65.

**BENZENE DERIVATIVES—SPECTRA**  
Analysis of polynuclear chlorobenzene mixtures by the methods of nuclear magnetic resonance and infrared spectroscopy. I.U. N. Molin and others. Zhur. anal. khim. 20 no. 3:396-397 '65.

**BENZENE ARSONIC ACID**  
Photometric determination of cerium and other rare-earth elements using arsenazo III. L.M. Budanova, S.N. Pinseva. Zhur. anal. khim. 20 no. 3:320-324 '65.

**BENZIMIDAZOLE**  
Series of benz- and naphthazoles. Part 7: S-triazolo [4,3-a] benzimidazole-3-thiones. N.P. Bednagina, I.N. Gotsova. Zhur. org. khim. 1 no. 1:130-142 Ja '65.

Series of benz- and naphthazoles. Part 8: Synthesis and some reactions of 1-phenyl-2-hydroxy-2-hydroxybenzimidazole. G.N. Turenkova, N.P. Bednagina. Zhur. org. khim. 1 no. 1:136-139 Ja '65.

**BENZOIC ACID**  
Effect of certain substances on the solubility of benzoic acid in alcohol. V.F. Sergeeva, T.G. Chumachenko, Zhur. ob. khim. 35 no. 4:597-599 Ap '65.

Interaction between vinyl esters of nitrobenzoic acids and hydrazine hydrate. M.F. Shostakovskii, L.I. Komarova. Izv. AN SSSR. Ser. khim. no. 5:922-923 '65.

**BENZOYL CHLORIDE**  
Catalytic effect of pyridine on the reaction of benzoyl chloride with primary aromatic amines. L.M. Litvinenko, A.I. Kirichenko. Ukr. khim. zhur. 31 no. 1:67-75 '65.

Kinetics of oniline acylation with benzoyl chloride in aqueous media. Part 4. N.K. Vorob'ev, L.V. Kuritsyn. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:930-934 '64.

**BERBERA, SOMALIA—HARBOR**  
A new port in the Gulf of Aden. I. Medovikov, S. Dmitrenko. Mor. flot 25 no. 5:43 My '65.

**BEREZINA PRESERVE—PARASITES—RACCOON DOG**  
Study of helminths of the raccoon dog in the Berezina State Preserve. M.F. Karaslov. Vestn. AN BSSR. Ser. biol. nav. no. 1:124-127 '65.

#### BEREZINA PRESERVE—WORMS, INTESINAL AND PARASITIC

Study of helminths of the raccoon dog in the Berezina State Preserve. M.F. Karaslov. Vestn. AN BSSR. Ser. biol. nav. no. 1:124-127 '65.

#### BERING SEA—CRABS

Biology and fishery of the Kamchatka crab *Paralithodes camtschatica* (Tilesius) in the southeastern part of the Bering Sea. N.G. Korolev. Trudy VNIRO 49:99-105 '64.

#### BERING SEA—CODFISH

Chemical characteristics of the yellowtail flounder, codfish and Alaska pollack in the southeastern part of the Bering Sea. M.N. Krivobok, O.I. Tarkovskaya. Trudy VNIRO 49:257-272 '64.

#### BERING SEA—ECHINODERMATA

Quantitative distribution of echinoderms on the shelf of the eastern part of the Bering Sea. B.G. Ivanov. Trudy VNIRO 49:123-140 '61.

#### BERING SEA—FLOUNDERS

Chemical characteristics of the yellowtail flounder, codfish and Alaska pollack in the southeastern part of the Bering Sea. M.N. Krivobok, O.I. Tarkovskaya. Trudy VNIRO 49:257-272 '64.

Materials on the biology of some flounder species in the eastern part of the Bering Sea. T.A. Mineva. Trudy VNIRO 49:215-224 '61.

#### BERING SEA—HALIBUT

Basic characteristics of the biology of the Pacific halibut (*Hippoglossus hippoglossus stenolepis* Schmidt) in the Bering Sea. N.P. Novikov. Trudy VNIRO 49:167-207 '64.

#### BERING SEA—HERRING

Herring in the eastern part of the Bering Sea. I.U. Dudnik, E.A. Usol'tsev. Trudy VNIRO 49:225-229 '61.

#### BERING SEA—LAMPREYS

Sea life on the Pacific Ocean lamprey *Entosphenus tridentatus* (Richardson). V.A. Abakumov. Trudy VNIRO 49:253-256 '64.

#### BERING SEA—NEMATODA

Nematodes of land birds on the islands of the Bering Sea. A.K. Tsimballuk, V.V. Kulikov. Nauch. dokl. vys. shkoly, biol. nauki no. 2:14-17 '65.

#### BERING SEA—OCEAN CURRENTS

Diagram of the wind-driven circulation of the Bering Sea currents in August of 1950 and 1960. Z.F. Gurikova, T.T. Anokurova, V.V. Natarov. Trudy VNIRO 49:51-76 '64.

Water exchange between the Bering Sea and the Pacific. A.M. Natalin. Trudy VNIRO 49:7-16 '64.

#### BERING SEA—OCEAN TEMPERATURE

Temperature balance of surface waters in some fishery areas of the Bering Sea. N.G. Vasilukova. Trudy VNIRO 49:77-82 '64.

#### BERING SEA—PARASITES—BIRDS

Nematodes of land birds on the islands of the Bering Sea. A.K. Tsimballuk, V.V. Kulikov. Nauch. dokl. vys. shkoly, biol. nauki no. 2:14-17 '65.

#### BERING SEA—PLANKTON

Quantitative distribution of plankton in the southeastern part of the Bering Sea in the summer of 1958 and 1959. I.M. Meshcheriakova. Trudy VNIRO 49:141-150 '64.

#### BERING SEA—SEBASTODES

Feeding habits of ocean perch in the Bering Sea. V.A. Skalkin. Trudy VNIRO 49:151-166 '64.

#### BERING SEA—SOLES

Materials on the biology of rock sole (*Lepidopsetta bilineata*) in the southeastern part of the Bering Sea. D.A. Shubnikov, L.A. Lisovenko. Trudy VNIRO 49:203-211 '64.

#### BERING STRAIT—DISCOVERY AND EXPLORATION

Waterway from the Arctic to the Pacific Ocean; forgotten instructions of A.A. Vinus given in 1807. B.P. Polevol. Priroda 54 no. 5:94 My '65.

#### BERLIN—SOCIAL CONDITIONS

Grant, J. [On the other side, . . . From the life of my friends, Translated from the German] Po tu storonu. . . Iz zhizni molki znakomykh Moskva, Gos. izd-vo polit. lit-ry, 1963. 103 p. (Ncd)

#### BERLIN—THEATER

Performance in Berlin. N. Mikhalevskaya. Sov. voen. 47 no. 8:45 Ap '65.

#### BERLIN, BATTLE OF, 1945

Across the Teltow Canal. I. Anan'ev. Voen.-ist. zhur. 7 no. 4:48-53 Ap '65.

Assault of the Reichstag. V. Shatilov. Sov. voen. 47 no. 8:37-39 Ap '65.

With the despair of the doomed. Voen.-ist. zhur. 7 no. 4:60-64 Ap '65.

## BERLIN, BATTLE OF, 1945—STATISTICS

The Berlin operation in figures. Voen-ist zhur 7 no 4:79-88 Ap '65

## BERNSTEIN POLYNOMIALS

Study of certain linear processes of approximation of the S N Bernstein and V Rogozinski type N M Pavlovskii Izv. vys. ucheb. zav. mat. no 2:126-135 '65

## BERRIES see subdivision under Moldavia

## BERRY BREEDING see subdivision under White Russia

## BERSHAD' DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Economic conference in a region. I. Babitskiy, Ekon. Rad. Ukr. 8 no 4:90 Ap '65

## BERTINOV, A L BERT KOZIOVICH, 1905-

A. I. Bertinov on his 60th birthday. Elektrotehnika 35 no 5:63 My '65

## BERTRANDITE see subdivision under Kazakhstan

## BERYLLIUM

Knocking out alpha particles from Be nuclei by 660 Mev. protons. A. P. Zhdanov, V. N. Kuz'min, R. M. Iakoviev. IAD, fiz. 1 no 4:625-628 Ap '65

## BERYLLIUM COMPOUNDS

Glucuronate complex compounds of beryllium. V. K. Zolotarev, Ukr. khim. zhur. 30 no 6:565-570 '64

## BERYLLIUM-NICKEL ALLOYS see Nickel-beryllium alloys

## BESSARABIA—CITIES AND TOWNS

Zhukov, V. I., comp. [Cities of Bessarabia, 1812-1871; survey of documentary materials] Goroda Bessrabii 1812-1871 gg.; obozr. dokumental'nykh materialov. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 83 p.

[MICROFILM]

## BESSARABIA—PEASANT UPRISINGS

Kishinev trial of the Tatarbunary peasants and the international solidarity movement. IU, D. Roshkovan. Ist. SSR, 9 no 1:104-114 Ja-F '65

## BESSEMER PROCESS

Certain optical and physical properties of the flame cone in a basic, oxygen-blown converter (in the visible part of the radiation spectrum) and their use to control the process. Report no 1 B N. Okorokov and others. Izv. vys. ucheb. zav., Chern. met. 8 no 5:21-28 '65

Conference on the theory and practice of oxygen-blown converter processes. O. I. Legkostup, V. I. Semikhin. Izv. vys. ucheb. zav., Chern. met. 8 no 5:210-212 '65

Cooling and purification of converter gases. Kh. L. Fridman. Met. i gornorud. prom. no 2:27-29 Mr-Ap '65

Measuring the temperature of liquid cast iron in the ladles during the blow with oxygen. K. G. Karlinov. Met. i gornorud. prom. no 2:75-78 Mr-Ap '65

Studying the causes of ejection from converters. I. L. Abramovskii and others. Izv. vys. ucheb. zav., Chern. met. 8 no 5:31-39 '65

## BETA RAYS—DECAY

Ionization of atoms in beta decay. E. L. Feinberg. IAD, fiz. 1 no 4:612-620 Ap '65

## BETA RAYS—MEASUREMENT

Methods for studying the total  $\beta$ -radioactivity of soils. Z. A. Malyda, A. I. A. Vitol, G. I. A. Grinberg. Agrokhimia no 2:123-134 F '65

## BETA RAYS—SPECTRA

Effect of a neutrino background in the universe on the shape of the beta spectrum. G. E. Kocharov. Izv. AN SSSR, Ser. fiz. 29 no 5:794-798 My '65

## BETATRON

Betatron with helical accumulation of electrons. E. A. Abramian and others. Zhur. tekhn. fiz. 35 no 4:605-611 Ap '65

Development and use of betatrons in socialist countries. A. A. Vorob'ev, V. A. Moskalov. Izv. vys. ucheb. zav., elektromekh. 8 no 4:480-481 Mr '65

## BEZOAR

Trichobezoar in a child. M. A. Akhmedov, I. Kh. Khashimov. Vent. khir. 92 no 6:84 Je '64

## BIBLE—CRITICISM, INTERPRETATION, ETC.

"Difficult pages from the Bible" by E. Gajbiati, A. Piazza. Reviewed by E. A. Karmanov. Bog. trudy no 2:207-216 '63

Kryvotsev, I. A. [Are the Biblical legends corroborated?] Podtverzhdalutsia li bibleiskie legendy? Moskva, Izd-vo "Znanie", 1965. 81 p. (Novoe v zhitii, nauke, tekhnike. XII Seriya: Estestvoznaniye i religiya, no 3)

## BIBLIOGRAPHY

[Book chronicle] Knizh. let. nos. 10, 22 '65. Dopolnitel'nyi vypusk no 2 '65.

Books written by journalists Sov. pech. no 4:16 Ap '65

Chief book reviews Nov. mir. 41 no 2:282-286 F '65

Brief book reviews. Nov. mir. 41 no 4:282-286 Ap '65

Brief book reviews. Nov. mir. 41 no 5:274-279 My '65

[New books; bibliographical information weekly] Nov. knigi; ezhenod. inform. - bibl. zhur. 10 no 22 My '65

New books. E. P. Andreeva. Sov. pech. 20 no 4:115-117 Ap '65

New books. Nov. mir. 41 no 2:287-288 F '65

New books. Nov. mir. 41 no 4:287-288 Ap '65

New books. Nov. mir. 11 no 5:287-288 My '65

[New Soviet literature on science and general research in the U. S. S. R.] Nov. sov. lit. o nauke i nauch. - issl. rab. v SSSR no 2 '65

## BIBLIOGRAPHY—ACADEMY OF SCIENCES OF THE TAJIK S. S. R.

Akademii nauk Tadzhikskoi SSR, Dushanbe. Tsentral'naya nauchnaya biblioteka. [Yearbook of publications of the Academy of Sciences of the Tajik S. S. R., 1962; classified index of books and articles] Etzhenod. izdaniia Akademii nauk Tadzhikskoi SSR, 1962 g., sistematicheski ukazatel' knig i statii. Dushanbe, 1964. 116 p.

## BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U. S. S. R.] Sol'khoz. lit. SSSR nos. 11-12 '64

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 7 no 36 D '64

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 9 no 5 My '65

## BIBLIOGRAPHY—ANTARCTIC REGIONS

Bibliography. Inform. biul. Sov. antark. eksp. no 19: 67-68 '64

Bibliography. Inform. biul. Sov. antark. eksp. no 50: 61-66 '64

## BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 7 no 36 D '64

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 9 no 5 My '65

## BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no 2 '65

## BIBLIOGRAPHY—CAVES

Works of G. A. Maksimovich on speleology G. K. Mikhailov, G. V. Bol'shukov. Peshchery no 4:113-117 '64

## BIBLIOGRAPHY—CHEMISTRY

[Chemical information; classified index of articles in foreign periodicals] Khim. inform.; sl. uk. sl. v inostr. zhur. nos. 2, 4 F, Ap '65

New books. Ukr. khim. zhur. 30 no 6:652-653 '64

## BIBLIOGRAPHY—CHEMISTRY, ANALYTICAL

"Literature on inorganic chemical analysis" by G. V. Efremov, A. I. Busev, I. P. Efimov. Zhur. anal. khim. 20 no 3:404 '65

## BIBLIOGRAPHY—COMMUNISM AND LITERATURE

V. I. Lenin and literature, materials for a bibliography, 1961-1964. L. V. Bichkaleva. Rad. lit. 9 no 4:24-27 Ap '65

## BIBLIOGRAPHY—COMMUNIST PARTIES

Documents and articles on the history of the CPSU and the international and communist labor movement, published in journals, studies, collections and transactions in April 1965. Vop. ist. KPSS 9 no 6:140-145 Je '65

## BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

List of subjects of dissertations, approved by local councils coordinating the scholarly studies of the history of the CPSU. Vop. ist. KPSS 9 no 6:157 Je '65

## BIBLIOGRAPHY—COMMUNIST YOUTH LEAGUE

The Communist Youth League in the struggle for our motherland. I. Kernes. Bibliotekar' 42 no 3:21-22 Mr '65

## BIBLIOGRAPHY—COMPOSERS

Trabnik, V. I. [Among books on music] Sredi knig o muzyke. Moskva, Muzyka, (Biblioteka muzikal'nogo samooobrazovaniia) No 5. [Soviet composers] Sovetskie kompozitory. 1965. 93 p.

## BIBLIOGRAPHY—CONSTITUTIONAL LAW

Rostov-on-Don, University. [Theory of state and law, bibliography, 1954-1964] Teoriia gosudarstva i prava. bibliografiia 1954-1964. Sost. M. N. Kulazhnikov. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 219 p.

## BIBLIOGRAPHY—DAGESTAN

Skazhin, E. V. [Literature on Dagestan in Western European languages] Literatura o Dagestane na zapadnoevropeiskikh yazykakh. Makhachkala, Dagestan, filial AN SSSR, 1964. 131 p. (NNC)

## BIBLIOGRAPHY—DIALECTICAL MATERIALISM

Certain controversial treatises on the fundamental laws of dialectics. A. P. Sheptulin. Nauch. dokl. vuz. obshch. filol. nauki 7 no 5:17-25 '61

## BIBLIOGRAPHY—DISSERTATIONS, ACADEMIC

List of subjects of dissertations, approved by local councils coordinating the scholarly studies of the history of the CPSU. Vop. ist. KPSS 9 no 6:157 Je '65

## BIBLIOGRAPHY—ELECTRIC ENGINEERING

New books. Izv. vys. ucheb. zav., radiotekh. 8 no 1:121-126 Ja-F '65

New books published by the "Izmeritela" publishing house. Elektrotechnika no 1:90 Ap '65

## BIBLIOGRAPHY—FRANCE—STATISTICS

Akademii nauk SSSR. Fundamental'naya biblioteka obshchestvennykh nauk [Bibliographic surveys; history and economics] Bibliograficheskie obzory, istoriya i ekonomika. Moskva, Nauka, 1965. 82 p.

## BIBLIOGRAPHY—GOR'KH, MAKSIM, 1808-1908

Lukinskaya, K. P., and A. S. Moisevich. [Literature on M. Gorkh, bibliography for 1955-1960] Literatura o M. Gorkom, bibliografiia 1955-1960. Red. i red. K. D. Muratov. Moskva, Nauka, 1965. 401 p.

## BIBLIOGRAPHY—HISTORY

Akademii nauk SSSR. Biblioteka. [Collected acts on the history of the 15th and 16th centuries, a description of the Manuscript Department of the Library of the Academy of Sciences of the U. S. S. R.] Istoricheskie sborniki XV-XVII vv., opisanie rukopisnogo otdela Biblioteki Akademii nauk SSSR, Sost. A. I. Kopanov, M. V. Kukul'skaya, V. P. Dotsyalskaya. Moskva, Nauka, Vol. 3. No. 2. 1965. 360 p.

Akademii nauk SSSR. Fundamental'naya biblioteka obshchestvennykh nauk [Bibliographic surveys; history and economics] Bibliograficheskie obzory, istoriya i ekonomika. Moskva, Nauka, 1965. 82 p.

## BIBLIOGRAPHY—HUNGARY—PHILOSOPHY

Bibliography of philosophical literature published in Hungary, 1950-1964. Vop. filol. 19 no 1:179-180 '65

## BIBLIOGRAPHY—HYDROLOGY

Literature on meteorology and hydrology in 1964. Meteor. i gidrol. no 6:52-55 Je '65

## BIBLIOGRAPHY—JAPAN

[Literature on Japan, 1964-1965] Bibliografiia literatury o Yaponii, 1964-1965. Moskva, Nauka, 1965. 370 p.

## BIBLIOGRAPHY—JOURNALISM

Bibliography on journalism and journalists. V. S. Mirnyi. L. A. Samodurova. Opublitsirovannyye. no 1:176-185 '64

## BIBLIOGRAPHY—JOURNALISTS

Bibliography on journalism and journalists. V. S. Mirnyi. L. A. Samodurova. Opublitsirovannyye. no 1:176-185 '64

## BIBLIOGRAPHY—KOMI A. S. S. R.

[Literature on the Komi A. S. S. R. for 1962] Literatura o Komi ASSR za 1962 god. Syktyvkar, Komi knizhnoe izd-vo, 1964. 141 p.

## BIBLIOGRAPHY—LAW

New legal literature in the U. S. S. R., February-March 1965. Sov. gos. i pravo 35 no 6:148-150 My '65

Rostov-on-Don, University. [Theory of state and law; bibliography, 1954-1964] Teoriia gosudarstva i prava; bibliografiia 1954-1964. Sost. M. N. Kulazhnikov. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 219 p.

## BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

Literature on V. I. Lenin. A. B. Melnikova. Vech. shkola 8 no 2:100-93 Mr-Ap '65

V. I. Lenin and literature, materials for a bibliography, 1961-1964. L. V. Bichkaleva. Rad. lit. 9 no 4:24-27 Ap '65



## BIOLOGICAL RESEARCH

(see also subdivision under Crimea, Turkmenistan, Yugoslavia)

More important results of 1961 and future development of the scientific research on problems of biology V. G. Kocherzhiuk *Izv. AN SSSR. Ser. biol.* no. 3:448-456 My-Je '65

## BIOLOGY

Comparative psychology-etiology-psychiatry. Report No. 1: Development of views in foreign science on the biological determination of behavior under normal conditions and in pathology. M. Rogovin. *Zhur. nev. i psikh.* 65 no. 5:775-785 '65.

## BIOLOGY—ABSTRACTS

[Biology] *Ref. Zhur.*: *Biol.* nos. 10-11 My-Je '65.

## BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

## BIOLOGY—CONGRESSES

Annual meeting of the Department of General Biology. A. A. Bulanova-Kaia *Izv. AN SSSR. Ser. biol.* no. 3:454-463 My-Je '65

## BIOLOGY—STUDY AND TEACHING

Content of a school course in biology. A. N. Lavrov *Sov. pedagog.* 29 no. 5:68-71 My '65

## BIOLUMINESCENCE

Energy relationships between bioluminescence and respiration of luminescent bacteria. I. I. Gitel'son, R. I. Chumakova, A. M. Fish. *Biofizika* 10 no. 1:100-104 '65

## BIOMETRY

Merkur'eva, E. K. [Biometry in stockbreeding] *Biometrika i zhivotnovodstvo*. Moskva, Kolos, 1964. 310 p. (DNAL)

Molostov, A. S. [Elements of variational statistics] *Elementy variatsionnoi statistiki*. Kiev, Urozhai, 1965. 180 p.

## BIONICS

Nature prompts... M. Goncharenko, V. Goncharenko. *Voen. zhurn.* 41 no. 3:36-37 Mr '65.

Technology and the brain. G. L. Smolian. *Vop. filos.* 18 no. 5:83-84 '65.

## BIOPHYSICS see subdivision under Ukraine

## BIOSYNTHESIS

Biosynthesis of free amino acids by mycobacteria and nonspore-forming bacteria from the soils of Pamirs. I. V. Aneeva, T. G. Dobrovolskaya. *Nauch. dokl. vys. shkoly, biol. nauki* no. 2:181-184 '65

Effect of the various sources of phosphorus on the biosynthesis of amylolytic ferments in ultraviolet mutants of fungi. R. N. Grebeshova. *Ferm. i spirt. prom.* 31 no. 1:10-14 '65

Restoration of alkaloid biosynthesis in lupine following the intervarietal crossing of alkaloidless (forage) varieties. A. V. Mironenko and others. *Vestn. AN BSSR. Ser. biol. nav.* no. 1:69-73 '65.

## BIOTIC COMMUNITIES

Biotic balance between matter and energy and biological productivity of the bodies of water. G. G. Vinberg. *Gidrobiol. zhurn.* 1 no. 1:25-32 '65.

## BIOTIN

Cultural characteristics of the effect of biotin and nitrogen source on the accumulation of gamma-aminobutyric acid in yeast. M. A. Ter-Karapetian, E. N. Makarova. *Dokl. AN Arm. SSR* 40 no. 2:117-121 '65.

New synthesis of 2, 3, 4, 5-tetrahydrobiotin. B. P. Fabrichnyi, I. F. Shalavina, I. A. L. Gol'dfarb. *Dokl. AN SSSR* 162 no. 1:120-123 My '65.

## BIPHENYL

Chemical properties of diethynyldibenzene. S. I. Shergina and others. *Izv. AN SSSR. Ser. khim.* no. 3:574-578 '65.

Equilibria in the course of reactions of sodium and lithium with diphenyl and naphthalene in electron-donor solvents. A. I. Shatenshtein, E. S. Petrov, M. I. Belousova. *Dokl. AN SSSR* 161 no. 4:889-892 Ap '65.

Reaction of organolithium compounds of p-bromobiphenyl and p-bromo(chloro)diphenylmethane with dimethylchlorosilane and germane. A. D. Petrov, M. A. Chel'tsova, S. D. Komarova. *Izv. AN SSSR. Ser. khim.* no. 3:550-552 '65.

## BIRCH

(see also subdivision under Saratov Province)

Comparative morphological study of the seedlings of some Betulaceae. I. A. Korchingina. *Bot. zhurn.* 50 no. 3:335-340 Mr '65.

Growing shelterbelts in the Altai using wildlings of self-sown birch. A. A. Sokolov. *Sbor. nauch.-issl. rab. VNIALMI* no. 28:60-62 '60

Parthenocarpy in birches, poplars and the black locust. G. D. Frolova. *Bot. zhurn.* 50 no. 3:394-398 Mr '65.

Periodicity of growth of the roots of the Siberian larch and the birch *Betula verrucosa*. Z. P. Zhelokova. *Sbor. nauch.-issl. rab. VNIALMI* no. 28:12-16 '60.

BIRCH MOUSE see subdivision under Sukhain

BIRD LICE see subdivision under Kara Kum Canal region, Turkmenistan

## BIRDBANDING

First results of house martin banding in the Barguzin Preserve. *Trudy BGZ* no. 2:127-130 '60

BIRDS see subdivision under Balkal Lake region, Barguzin Valley; Dzhukhiv Preserve, Khauz-Khana Reservoir

## BIRDS—DISEASES AND PESTS

Susceptibility of some wild birds to the virus of Newcastle disease under experimental conditions. G. T. Chelidze. *Vop. vet. virus.* 1:385-390 '64.

## BIRDS—EMBRYOLOGY see Embryology—Birds

## BIRDS—MIGRATION

Akademika nauk SSSR. Ob'edineniy nauchnyy sovet po probleme "Fiziologiya cheloveka i zhivotnykh." [Biological significance and functional determination of migratory behavior in animals] *Biologicheskoe znachenie i funktsional'naya determinatsiya migratsionnogo povedeniya zhivotnykh*. Moskva, Nauka, 1965. 91 p.

Akademika nauk SSSR. Otdelenie obshchei biologii. [Migrations of birds and mammals] *Migratsii ptits i mlekopitavtschikh*. Moskva, Nauka, 1965. 168 p.

## BIRDS—PARASITES see Parasites—Birds

## BIRDS AS CARRIERS OF DISEASE

Birds and their role as fosterers of *Ixodes persulcatus* in a natural focus of the tick-borne encephalitis in Kalinin Province. L. A. Gibet, Z. M. Zhmueva, D. I. Berman. *Zool. zhurn.* 44 no. 2:228-240 '65.

Results of an examination of wild birds for toxoplasmosis. B. G. Magerramov, A. S. Alekserov. *Trudy TSU* 68: 62-63 '64.

## BIRTH INJURIES

Angiography of the brain in stillborn infants and dead neonates. E. D. Lipsan. *Arkh. pat.* 27 no. 3:65-71 '65

Metaphyseal fractures of the proximal end of the femur at birth. V. I. A. Vilenskii. *Ortop., travm. i protez.* 28 no. 1:33-39 Ja '65

## BIRTHWORT

Alkaloids of *Corydalis gortschakovi* and *Corydalis pseudocladia*. M. S. Ilyusov, S. T. Akramov, S. I. Ilyusov. *Dokl. AN SSSR* 162 no. 3:607-609 My '65

## BISMUTH—GALVANOMAGNETIC PROPERTIES

Galvanomagnetic properties of bismuth. N. E. Alekseevskii, T. I. Kostina. *Zhur. eksp. i teor. fiz.* 48 no. 4: 1209-1211 Ap '65

## BISMUTH CRYSTALS—GROWTH

Effect of the orientation of a growing bismuth crystal on the Peltier coefficient for the solid-liquid interface. G. V. Komarov, A. R. Regol'. *Fiz. tverd. tela* 7 no. 5: 1466-1469 My '65

## BISMUTH-MANGANESE ALLOYS see Manganese-bismuth alloys

## BISMUTH MOLYBDATE CRYSTALS

Crystalline structure of the Bi-molybdate  $Bi_2(MoO_4)_3$ . K. M. Mekhtiev and others. *Dokl. AN SSSR* 162 no. 3: 563-564 My '65.

## BISMUTH OXIDES

Phase diagram of the system bismuth oxide-ferrie oxide. E. I. Speranskaya and others. *Izv. AN SSSR. Ser. khim.* no. 5:905-908 '65.

## BISMUTH TELLURIDES

Phase diagram of the system  $Bi_2Te_3 - GeTe$ . N. Kh. Abriskosov, G. T. Danilova-Dobriakova. *Izv. AN SSSR. Neorg. mat.* 1 no. 1:57-59 Ja '65.

## BISMUTH-TIN ALLOYS—TESTING

Plasticity of the alloy 50 at. % Bi - 50 at. % Sn under tension at high pressure. L. D. Livshits, B. I. Beresnev, I. N. Rabinin. *Dokl. AN SSSR* 161 no. 5:1077-1080 Ap '66.

## BITS (DRILLING AND BORING)

(see also subdivision under Bashkiriya; Chechen-Ingush A.S.S.R.; Saratov Province; Tatar A.S.S.R.)

Beach tests of 8N-214X roller bits reinforced with various types of hard alloys. N. A. Kudrin, G. V. Lindo, N. M. Shmatov. *Buente* no. 1:19-21 '65.

Boring bit with three nonradially arranged cutting edges. V. V. Efimov, K. I. Peramid, S. Mukhamedin. *Gor. zhurn.* no. 5:73 Mr '66.

Core sampling using sectional core turbobits. O. F. Moldavskii, V. M. Kvitko. *Buente* no. 2:18-20 '65

Determining the optimal conditions for roller boring in hard, mildly abrasive rock in strip mines. A. F. Sukhurov and others. *Gor. zhurn.* no. 3:35-39 Mr '65

Drilling with diamond bits in solid nonabrasive rocks. I. U. P. Druchin, B. I. Golod'ko. *Buente* no. 1:20-31 '64

DSGZL tapering bits and experience in their use. S. M. Kuliev and others. *Buente* no. 1:6-8 '64.

Efficiency of drilling wells of various diameters in the Ukrainian S.S.R. M. I. Baranovskii. *Buente* no. 5. 18-20 '64

Increasing the capacity of roller bits when using central replaceable circulating nozzles of the Ufa Petroleum Scientific Research Institute. M. U. Muratov. *Buente* no. 12:3-7 '64

Industrial tests of RDRIT-140 bits. L. A. Karnaukhov. *Buente* no. 7:3-4 '64

Investigating cuttings in case of air drilling and water flushing. I. U. Lopatin. *Trudy VNIIBT* no. 14:110-119 '65.

Investigating the operational conditions of 76-112 mm insert bits when drilling in hard abrasive rocks. M. G. Abramson. *Trudy VNIIBT* no. 14:113-124 '65.

Investigating the physico-mechanical properties of Yakut diamonds in connection with their use in the reinforcement of drilling bits. N. F. Kaganov, P. S. Balandina, S. P. Rasekzova. *Mash. i nef. obr.* no. 2:11-15 '65

Operation of pumps in case of deep drilling with diamond bits. E. I. Osadchik. *Buente* no. 4:35-37 '65

Permissible axial load on a bit in electric drilling. V. G. Belikov. *Izv. vuz. ucheb. zav. i nef. i gaz* 6 no. 3:21-24 '65

Results of drilling wells with No. 7. bits. V. I. Vol'fon and others. *Trudy VNIIBT* no. 14:33-43 '65

Results of field tests of bits with sliding supports when drilling with hydraulic percussion tools. A. V. Andreev, V. I. Nazarov, V. M. Slavskii. *Mash. i nef. obr.* no. 2: 4-8 '65.

Selecting bits for drilling slant holes. N. A. Grigorian. *Buente* no. 3:6-8 '65.

Selecting methods for determining the service lifetime of bits. T. E. Eremenko, V. A. Iakovlev. *Izv. vuz. ucheb. zav. i nef. i gaz* 8 no. 3:29-32 '65.

Speed of the movement of a cutter in clay muds. V. V. Artynov. *Trudy VNIIBT* no. 14:125-128 '65

The T3 bit. *Shkhit. stroit.* 9 no. 4:31 Ap '65

Testing diamond bits with double core assemblies. I. M. Shabirkin, I. A. B. Ilyusov, M. G. Iagafarov. *Buente* no. 12:7-10 '64

Using 5-inch turbodrills with diamond bits. A. T. Lavchenko and others. *Buente* no. 5:20-21 '65

Ways for increasing the percentage of core recovery when drilling with No. 8 and 9 bits. T. N. Blkhechurin, F. S. Musin. *Buente* no. 5:3-5 '64

Wearing out triple-roller bits. N. A. Gadzhiev, N. N. Iadulayev, A. S. Sharutin. *Buente* no. 5:3-6 '65

## BITUMEN

Effect of vibration on the rheological properties of bitumens. V. D. Portnagin, N. V. Mikhailov. *Dokl. AN SSSR* 161 no. 4:883-885 Ap '65.

Electric heat treatment of bitumen without boilers. V. A. Kell'man, S. I. Eremenko. *Avi. dor.* 28 no. 3:9-9 Mr '65.

Using mazut for bitumen heating. I. U. Kovalev. *Avi. dor.* 28 no. 4:26 Ap '65.

## BITUMINOUS PAVEMENTS see Pavements, Bituminous

## BLACK-LEAD see Graphite

## BLACK LOCUST see Locust (Tree)

## BLACK SEA—DIATOMS

Characteristics of the diatom flora of the plankton of the Black, Azov, and Caspian Seas. I. V. Makarova. *Bot. zhurn.* 50 no. 4:488-502 Ap '65.

## BLACK SEA—FISHERIES—ACCOUNTING

Business accounting for ships belonging to the fishing collectives. G. V. Saraf. *Ryb. khoz.* 41 no. 3:82-84 '65.

## BLACK SEA—FISHING

Some problems of organizing paired expeditions by fishing boats. N. Medushevskii. *Ryb. khoz.* 41 no. 4:79 '65

## BLACK SEA—HYDROFOIL BOATS

Operating the power plant of the motorship "Vikhr". A. Aleksenko. *Mor. flot* 24 no. 9:24-26 S '64.

## BLACK SEA—MARINE BIOLOGY—RESEARCH

At the very shore of the Black Sea; Kara-Dag biological station. A. M. Pontozavskii. *Priroda* 54 no. 5:176-78 My '65.

## BLACK SEA—MERCHANT MARINE

Merchant seamen of the Black Sea in the Great Patriotic War. S. Vol'khit, I. A. Shatenshtein. *Mor. flot* 25 no. 5:3-5 My '65.



## BLACK SEA—MUSSELS

Amino acid composition of the proteins of Black Sea mussels and oysters N E Nikolaeva Izv. vyz. ucheb. zav., pishch. tekhn. no. 2 38-11 '65

Study of the growth of the Black Sea mussel (*Mytilus galloprovincialis* Lk.) based on underwater observations A I Ivanov Zool. zhur. 44 no. 2 178-184 '65

## BLACK SEA—OYSTERS

Amino acid composition of the proteins of Black Sea mussels and oysters N F Nikolaeva Izv. vyz. ucheb. zav., pishch. tekhn. no. 2 38-11 '65

## BLACK SEA—WATER—MICROBIOLOGY

Bacterial chemosynthesis in the Black Sea N. I. Sorokin Izv. AN SSSR. Ser. biol. no. 3 413-422 My-Je '65

## BLACK SEA ECONOMIC REGION—TECHNOLOGICAL INNOVATIONS

Achievements of the innovators of the Black Sea Economic Region I V Gershenzon Mashinostroitel' no. 4 10-11 Ap '65

## BLACK SEA REGION—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

Excavations of the ancient site of Rayevskiy, N. A. Onatko Krat. soob. Inst. arkh. no. 103/125-130 '65

## BLACK SEA REGION—CLASSICAL ANTIQUITIES

Classical Archaeology Group of the Leningrad Branch of the Institute of Archaeology in 1962-1963 E. Kastanin Krat. soob. Inst. arkh. no. 103/161-165 '65  
Work of the Sector of Classical Archaeology in 1963. A. I. Boltunova Krat. soob. Inst. arkh. no. 103/157-160 '65.

## BLACK SEA REGION—FILBERT

Studying the aerial part of filbert and methods for its vegetative propagation S E. Kuznetsov. Shor. nauch. issl. rab. VNIILMI no. 28 48-51 '60

## BLACK SEA REGION—OSTRACODA, FOSSIL

Ostracods of the Kuyalnik stage of the Black Sea basin. V. M. Semenenko, V. H. Sheremeti Dop. AN URSS no. 5 637-640 '65.

## BLACKFLIES

New species of blackflies of the genus *Greniera* Doby et David (family Simuliidae) I. A. Rubtsov. Izv. Komi fil. Geog. ob-va SSSR no. 9 97-99 '64.

## BLADDER—INNERVATION

Morphoelectrophysiological study of the interneuronal synapse in a live preparation of a parasympathetic ganglion of the urinary bladder in frogs I. S. Bazanova Fiziol. zhur. 51 no. 3 309-317 Mr '65

## BLADDER—TUMORS

Pelvic phlebography in urinary bladder tumors N. M. Berodze Soob. AN Gruz. SSR 37 no. 3 729-735 Mr '65  
Tumorlike endometriosis of the urinary bladder with a compression of the prevesical section of the ureter. V. A. Samsonov, V. L. Drobner Arkh. pat. 27 no. 3 77-78 '65

## BLADDERY FEVER see Pemphigus

## BLADES—THERMAL PROPERTIES

Asymptotic calculation of the temperature field of gas turbine blades. I. S. Liubchenko. Izv. vyz. ucheb. zav., av. tekhn. 8 no. 2 92-102 '65.

## BLAST FURNACES

Analysis of the cost of basic pig iron smelted in blast furnace plants of the Ukrainian S.S.R. V. F. Bragin. Met. i gornorud. prom. no. 2 13-9 Mr-Apr '65.  
Characteristics of blast furnace operation in the making of alumina slag from bauxite N. F. Lomaka and others. Metallurg. 10 no. 3 6-9 Mr '65

Effect of high temperature heating of the hearth on the operation of a blast furnace. G. A. Paney and others. Met. i gornorud. prom. no. 2 9-11 Mr-Apr '65.

tuers zone of a blast furnace. I. A. ers. AN SSSR. Met. no. 1 18-20

st furnace gas-turbine plants] nye ustanovki, Moskva, Metallur-

## DESIGN AND CONSTRUCTION

blast furnace foundations for the lung system for the hearth bottom G. Smolnikov. Metallurg. 10 no. 3

d resistance of the shaft brickwork naces. M. B. Kutner, N. N. Podkan- d. prom. no. 2 14-16 Mr-Apr '65.  
ation of the resistance of a blast om. I. U. P. Bellaev and others. Met. no. 2 11-14 Mr-Apr '65.

## EQUIPMENT AND SUPPLIES

reasts for blast furnaces. D. A. ekh., ekon. inform. Gos. nauch., -issl. inform. 18 no. 3 11-12 Mr '65.

Machine for opening the cast iron tapping hole of a blast furnace. V. I. Litvinenko and others. Met. i gornorud. prom. no. 2 70-72 Mr-Apr '65.

## BLASTING

Air-water stemming in the blasting of boreholes is an effective means of controlling dust G. P. Panov, D. A. Annanbaev. Bezop. truda v prom. 9 no. 5 41-42 My '65

Cartridge in a protective casing for use in the caving of roofs in stopes of mines subject to gas and dust V. I. Chukunov Nauch. soob. Vostnii no. 1 74-80 '61

Flameless blasting in Kuzbasskii Basin mines, N. I. Alekshin d. Bezop. truda v prom. 9 no. 5 9-13 My '65

Improving boring and blasting operations at the South Rozdol'skiy mine. L. F. Zolot, V. M. Karpenko Gor. zhur. no. 5 69-70 My '65

Making upraises in the Krivoy Rog Basin by the sectional blasting of holes V. D. Moiseva, N. I. Potemkin, A. I. Kocherga Gor. zhur. no. 5 71-72 My '65

One breaching by horizontal, fan-pattern holes at apatite mines V. F. Abramov, D. I. Fadyshenko, V. V. Gushchin. Gor. zhur. no. 5 19-21 My '65

Pillar recovery in the Krivoy Rog Basin. A. V. Bud'ko and others. Gor. zhur. no. 5 22-21 My '65

Review of the book by M. F. Drukovanyi and others "Blasting high benches" E. I. Shkuta. Gor. zhur. no. 5 77 My '65

Short delayed blasting in the sinking of shafts and making junctions P. S. Malyi, N. I. Diadechkin Gor. zhur. no. 3 72-73 Mr '65.

Using efficient systems of short-delay blasting in granite quarries V. K. Khurtsidze Gor. zhur. no. 5 70-71 My '65

Utilizing the effect of the pressing-in of boreholes. V. F. Vedutina, V. P. Matveev. Gor. zhur. no. 5 31-34 My '65.

Ventilation of development workings after blasting operations V. N. Satarov Nauch. soob. Vostnii no. 1 9-13 '61

## BLASTING—EQUIPMENT AND SUPPLIES

Compressed air charger for charging boreholes and blastholes. A. M. Faizullin, P. A. Podkopaev, E. K. Andreev Shkhit. stroi. 9 no. 4 24-26 Ap '65.

The KZDSH-62-2 pyrotechnical two-way relay. R. N. Roltman. Gor. zhur. no. 5 36-37 My '65

Results of testing electric detonators with a delay interval of 15 msec. M. M. Akhmetov and others. Gor. zhur. no. 5 38-39 My '65.

## BLASTING—SAFETY MEASURES

Certificate for boring and blasting operations and its practical application. V. S. Shatalov, I. S. Senchenko. Bezop. truda v prom. 9 no. 5 14-17 My '65.

Explosion in a water bag. B. Zubkov. Izobr. i rats. no. 3 8-9 '65.

## BLASTING, UNDERWATER

Increasing the effectiveness of the deepening of a rocky river bed L. Zagorodskii. Rech. transp. 24 no. 4 55 '65

## BLEACHING

Role of activators in the process of chlorite bleaching. V. M. Bel'tsov, A. A. Kharkharov. Izv. vyz. ucheb. zav., tekhn. tekst. prom. no. 2 101-107 '65.

Use of acetic acid. S. L. Amushina. Tekst. prom. 25 no. 3 51-54 M '65.

## BLEEDING see Hemorrhage

## BLIND—SOCIETIES, ETC.

The 40th anniversary of the All-Union Society of the Blind B. Zimin. Sots. shesp. 26 no. 4 42-43 Ap '65.

## BLIND FLYING see Instrument flying

## BLINDNESS

"Blinding" and retinal burns caused by nuclear explosions; a review of literature S. G. Sherrashov. Voen.-med. zhur. no. 10 23-28 '64.

## BLUKHER, VASILII KONSTANTINOVICH, 1880-1938

V. K. Blukher in the Ukraine; on the 75th anniversary of his birth. D. D. Pykha. Ukr. ist. zhur. 8 no. 6 115-119 N-D '64.

## BLOCH, JEAN RICHARD, 1884-1947

"Commentaries" by J. R. Bloch in the periodical "Europe," V. S. Sokolov. Opublits. i. publits. no. 1: 153-172 '64.

## BLOK, ALEKSANDR ALEKSANDROVICH, 1880-1921

A. Blok and symbolism. V. D. Skvoznikov. Vop. filol. 10 no. 6 85-108 '65.

Solovyev, B. I. [Poet and his great deed; on the works of Aleksandr Blok] Poet i ego podvig, tvorcheskii put' Aleksandra Bloka. Moskva, Sovetskii pisatel', 1965. 695 p.

## BLOOD—AGGLUTINATION

Dynamics of antibody formation in typhoid fever based on data of the hemagglutination reaction K. V. Bunin, N. S. Madaeva. Zhur. mikrobiol., epid. i immu. 12 no. 1 102-104 Ap '65.

Essel', A. E. [Indirect hemagglutination reaction] Reaktsiya nepriamoi gemagglutinatsii. [Leningrad] Meditsina. 1965. 50 p. (DNL)

Experimental study of some modifications of the indirect hemagglutination reaction in tick-borne rickettsiosis of northern Asia. G. P. Somov, V. I. Vinogradov. Vop. virus. 10 no. 1 83-87 Ja-F '65.

Indication of Rickettsia burneti by the indirect hemagglutination reaction Preliminary report I. I. Kamalov. Vop. virus. 10 no. 1 117-118 Ja-F '65

Inhibitors of hemagglutination by parainfluenza type 1, 2, 3 viruses A. V. Pichushkov Vop. virus. 10 no. 1 74-79 Ja-F '65.

Reaction of indirect hemagglutination in the diagnosis of toxoplasmosis. N. A. Bakulina. Trudy TSU 68: 180-183 '64.

## BLOOD—AGING

Some indices of the respiratory function of the blood in animals of various ages. V. A. Losev, I. P. Shinkar', Vop. geron. i geriat. 4:62-66 '65.

## BLOOD—ANALYSIS AND CHEMISTRY

Activity of cholinesterase in the blood serum in dogs in experimental diabetes. A. A. Pokhva. Pat. fiziol. i eksp. terap. 9 no. 2 75-76 Mr-Apr '65.

Change in the mineral components of the blood serum under the effect of splenectomy and parathyroidectomy V. P. Komissarenko, M. N. Levenchenko, O. S. Klymenko Fiziol. zhur. [Ukr.] 9 no. 1 16-12 Ja-F '63

Changes in human peripheral blood during inhalation of oxygen under high pressure. A. I. Shevchenko. Voen.-med. zhur. no. 11 55-56 '64.

Changes in the morphological composition of the blood in under water submersions of athletes. M. F. Syrofin Fiziol. zhur. [Ukr.] 9 no. 1 77-81 Ja-F '63.

Chemical factors of nervous stimulation in the blood in schizophrenia. G. G. Rozhdostvenskaya. Trudy Khar. med. inst. no. 36 279-284 '67.

Concentration of caffeine in the blood plasma following its peroral and subcutaneous introduction. V. K. Krasuski, E. S. Rogovenko, E. V. Sokolova. Nauch. soob. Inst. fiziol. AN SSSR no. 3 72-77 '65.

Content of catecholamines in the blood during inhalation anesthesia P. N. Kazantsev. Vest. khir. 02 no. 6 64-68 Je '64.

Content of cholesterol, lecithin, protein and lipoprotein fractions in the blood plasma of rabbits of various ages. I. M. Kozhura. Vop. geron. i geriat. 4:135-141 '65.

Content of nucleic acids and mucopolysaccharides in the placenta in isoantigenic incompatibility of maternal and fetal blood, a histochemical study. A. F. Iakovtsova. Arkh. pat. 27 no. 5 10-12 '65.

Copper and iron content in children's diet in a Pioneer camp and their blood picture. L. B. Pavlova. Vop. pit. 23 no. 5 77-78 S-O '64.

Determination of sex from dried blood stains. M. V. Kisin, S. I. Liubinskaya. Sud.-med. ekspert. 8 no. 1: 26-29 Ja-Mr '65.

Determination of the content of caffeine in blood plasma. E. S. Rogovenko, E. V. Sokolova. Nauch. soob. Inst. fiziol. AN SSSR no. 3 135-137 '65.

Determining cobalt in human blood. F. M. Glebov. Trudy Khar. med. inst. no. 36 383-388 '67.

Effect of mechanical stimulation of the duodenal mucosa on the composition of the peripheral blood and bone marrow. N. B. Petriashvili. Soob. AN Gruz. SSR 29 no. 1 107-114 J1 '62.

Effect of stimulation of the cephalic end of the cervical sympathetic nerve on the content of adrenalin-like substances in the blood flowing to and from the head. A. I. Il'ina, S. N. Golovacheva. Fiziol. zhur. 81 no. 3 330-335 Mr '68.

Effect of the stimulation of stomach chemoreceptors by ascorbic acid on its content in the blood. L. I. Mamedova. Izv. AN Azerb. SSR. Ser. biol. nauk no. 11 93-98 '65.

Effect of training on the zinc and iron content in athletes' blood S. K. Pajuk. Teor. i prakt. fiz. kul't. 27 [i.e. 28] no. 4 31-33 Ap '65.

Examination of some trace elements in the blood of healthy dogs with lesions of the stomach and liver. N. S. Bakuleva. Pat. fiziol. i eksp. terap. 0 no. 2: 42-48 Mr-Apr '65.

Examination of the content of lipids in the blood of elderly and senile persons. L. G. Shvidchenko. Vop. geron. i geriat. 4:200-213 '65.

Hematological studies in experimental fetal erythroblastosis. M. Sh. Verbitskii. Pat. fiziol. i eksp. terap. 0 no. 2 48-49 Mr-Apr '65.

Increase of the histamine content in plasma of epidemic hepatitis patients. V. S. Shmeleva, O. M. Gulina. Sov. med. 28 no. 5 84-88 My '65.

## BLOOD—ANALYSIS AND CHEMISTRY (Continued)

Morphologic and ecologic characteristics of the blood of hedgehogs of the Fergana Valley K N Kholos Uzb. biol. zhur. 9 no. 2:36-41 '65

Photometric method for determining the amount of erythrocytes in the blood of cattle. S. A. Stepanova, N. P. Chernokova, V. N. Podshivalova. Shor. stud. rab. VMI no. 3:25-32 '63.

Role of the cerebellum in the regulation of the content of ferric elements in the blood. E. S. Andriyashin. Fiziol. zhur. 51 no. 1:318-324 Mi '57

Role of the higher sections of the central nervous system in the restoration of the morphological composition of the blood following acute blood losses. F. S. Adonkin. Trudy Khark. med. inst. no. 36:259-266 '57.

Thromboelastography as a clinical method of examination. E. N. Kuz'min. Sov. med. 28 no. 1:111-113 Ja '65

## BLOOD—CIRCULATION

Age-related characteristics of the regulation of blood circulation. V. V. Frolovskis and others. Vop. geron. i geriat. 4:15-33 '65.

Characteristics of hemodynamics in elderly and senile persons with normal and increased arterial pressure. G. A. Butkevich. Vop. geron. i geriat. 4:202-208 '65.

Effect of the transfusion of some blood substitutes and blood on the coronary blood circulation and functional state of the myocardium under conditions of acute hemorrhage. I. U. V. Kofanova. Arkh. pat. 27 no. 1:9-17 '65.

Recording an oxyhemogram on the oscillograph as an objective method of determining the blood flow time. V. A. Degtiarev. Pat. fiziol. i eksp. terap. 9 no. 2:79-81 Mi-Ap '65

Short-term local fluctuations of the temperature of the cerebral cortex in dogs and their relation to the regional blood circulation. V. I. A. Bercevoyskiy. Fiziol. zhur. [Ukr.] 9 no. 1:100-105 Ja-F '63.

Some age-related characteristics of hemodynamics in the residents of the Tien Shan (2000-2400 m). A. T. Tynybekov. Vop. geron. i geriat. 4:153-158 '65.

Some data on the effect of nitroglycerin and thermal stimulants on the capillary blood circulation in elderly and senile persons, preliminary report. K. G. Sarkisov. Vop. geron. i geriat. 4:191-194 '65.

Study of the volumetric speed of blood circulation. S. A. Iur'ev. Biofizika 10 no. 1:164-169 '65.

## BLOOD—CIRCULATION, ARTIFICIAL

Comparative evaluation of cooling and warming periods in deep hypothermia, morphological and histochemical study. G. D. Kniareva. Arkh. pat. 27 no. 5:52-59 '65.

## BLOOD—CIRCULATION, DISORDERS OF

Akulova, R. F. [Chronic disorders of blood circulation and nutrition of the extremities, clinical aspects and treatment] Khronicheskie narusheniya krovotokov i zhiznennosti i trofiki konchnostei; klinika i lechenie. Moskva, Meditsina, 1965. 394 p. (DNL)

Changes in hemodynamics following the excision of various quantities of pulmonary tissue. G. E. Fal'kovskiy. Biul. eksp. biol. i med. 59 no. 4:119-22 Ap '65.

Changes in hemodynamics in old age in hypoxia. N. V. Lauer and others. Vop. geron. i geriat. 4:154-159 '65.

Functional disorders in the cerebral blood circulation in schizophrenia patients. P. G. Petrochenko. Vop. klin. i patol. i lech. shiz. no. 1:112-115 '64.

Methodology for the evaluation of blood circulation in the vessels of the lower extremities in obliterating diseases and indications for reconstructive surgery. N. S. Al'gin. Vest. khir. 94 no. 2:47-51 F '65.

Pathogenesis of acute vascular dystonia during surgery for pancreaticoduodenal cancer. N. S. Makokhin. Khirurgiya 41 no. 4:64-70 Ap '65.

Pathological kinking of the carotid artery and its significance in disorders of cerebral blood circulation. R. O. Garasferian. Zhur. nevro. i psikh. 65 no. 4:489-495 '66.

Pathology of the cerebral and spinal blood circulation in occlusions of the superior vena cava. N. K. Bogolepov, L. G. Erokhina. Zhur. nevro. i psikh. 65 no. 4:524-530 '66.

Some characteristics of the formation of ammonia and glutamine in the muscles during ischemia. V. N. Okuniev. Ukr. biokhim. zhur. 34 no. 3:394-399 '62.

## BLOOD—COAGULATION

Dynamics of coagulating and anticoagulating systems of the blood in rheumatic carditis and rheumatic heart defects depending on various methods of the treatment. L. D. Abdulaeva. Azerb. med. zhur. 42 no. 1:48-53 Ja '65.

Effect of vitamin A and nicotinic acid on some indices of the condition of the blood anticoagulation system in experimental hypercholesterolemia. A. Sh. Bysheskiy. Vop. pit. 23 no. 5:33-40 S-O '64.

Functional state of the blood coagulation system in auto-sensitization. D. N. Malanskii. Pat. fiziol. i eksp. terap. 9 no. 3:85-86 Mr-Ap '65.

Study of the blood coagulation system in some surgical diseases. E. A. Khvatova, G. A. Martynkin. Vest. khir. 92 no. 6:40-50 Ja '64.

Study of the blood coagulative and anticoagulative systems of the blood in patients and puerperants. V. A. Alekseyev. Akush. i gin. 40 no. 5:110-114 S-O '61

## BLOOD—COLLECTION AND PRESERVATION

Effect of vitamin C content in the body on the physiological value of preserved blood erythrocytes. T. S. Barkagan, L. M. Remendik. Vop. pit. 23 no. 5:28-33 S-O '64.

## BLOOD—DISEASES

Direct transfusion of the blood in some hematologic diseases and in the syndrome of acute fibrinolysis. S. B. Geiro and others. Voen.-med. zhur. no. 8:27-29 '64.

Hemocytoblastosis developing following radiotherapy of reticulosarcoma of the mediastinum. M. I. U. Melikova, V. N. Badmaeva, A. M. Vecher. Arkh. pat. 27 no. 5:64-67 '65

## BLOOD—MICROBIOLOGY

Accumulation and multiplication of foot-and-mouth disease viruses in the blood of animals. S. I. Derulava. Vop. vet. virus. 1:214-219 '64.

Case of isolation of Toxoplasma from menstrual blood. D. F. Kovaleva, V. D. Kopp. Trudy TSU 68:177-178 '64.

Detection of typhoid bacilli in the blood by the phage titer growth reaction. N. I. Kashanova, A. V. Matveeva. Trudy TSU 68:70-81 '64.

Use of fluorescent sera in the detection of typhoid bacilli in the blood. N. I. Kashanova, N. G. Bushueva, A. V. Matveeva. Trudy TSU 68:77-78 '64

## BLOOD—OXYGEN CONTENT

Dynamics of oxygen in the blood and brain tissues of animals at high altitude during respiration under excessive pressure. I. N. Chernokov, V. L. Popkov. Pat. fiziol. i eksp. terap. 9 no. 2:16-23 Mr-Ap '65.

Recording an oxyhemogram on the oscillograph as an objective method of determining the blood flow time. V. A. Degtiarev. Pat. fiziol. i eksp. terap. 9 no. 2:79-81 Mi-Ap '65

## BLOOD—SPECTRA

Electron paramagnetic resonance spectra of the human blood under normal conditions and in leucoses. N. I. Pavlova, A. R. Livanson. Biofizika 10 no. 1:169-171 '65.

## BLOOD—TRANSFUSION

Changes in the volume of the circulation blood in dogs following plethoric blood transfusion. N. A. Gornunova. Pat. fiziol. i eksp. terap. 9 no. 2:68-70 Mr-Ap '65

Direct transfusion of the blood in some hematologic diseases and in the syndrome of acute fibrinolysis. S. B. Geiro and others. Voen.-med. zhur. no. 8:27-29 '64.

Effect of the transfusion of some blood substitutes and blood on the coronary blood circulation and functional state of the myocardium under conditions of acute hemorrhage. I. U. V. Kofanova. Arkh. pat. 27 no. 4:0-17 '65.

Transfusion of fibrinolytic blood in radiation lesions. I. U. A. Kuleshov. Voen.-med. zhur. no. 8:23-26 '64.

Treatment of infectious hepatitis with transfusions of fibrinolytic and preserved blood plasma. P. A. Alisov, P. D. Starzhov, I. A. Koval'skiy. Voen.-med. zhur. no. 11:17-20 '64.

Treatment of patients with blood transfusion complications by the means of hemodialysis. V. A. Agranenkov. Voen.-med. zhur. no. 8:29-31 '64.

Work of the blood transfusion section of the military naval hospital. B. L. Bellayev. Voen.-med. zhur. no. 9:67-68 '64.

## BLOOD DONORS

Experience in organizing gratuitous blood donorship. M. F. Mikhailovich, V. N. Sharin, V. A. Moshchenko. Voen.-med. zhur. no. 8:65-67 '64.

## BLOOD GROUPS

Blood groups and their role in the evaluation of the results of upgrading at the Antoniny Breeding Station. V. I. A. Meshcheriakov. Trudy mol. uch. UASHN no. 0:34-39 '65.

Characteristics of the development of the ABC isoenzyme system in human fetuses. M. A. Bronnikova and others. Sud.-med. ekspert. 8 no. 1:21-25 Ja-Mr '65.

Content of nucleic acids and mucopolysaccharides in the placenta in isoenzyme incompatibility of maternal and fetal blood, a histochemical study. A. F. Iakovtsova. Arkh. pat. 27 no. 5:36-42 '65.

Treatment of patients with blood transfusion complications by the means of hemodialysis. V. A. Agranenkov. Voen.-med. zhur. no. 8:29-31 '64.

## BLOOD PLASMA

Method of determining 17-oxysteroids in peripheral blood plasma. I. U. A. Pankov. Sov. metod. v biokhim. 1:341-346 '64.

## BLOOD PLASMA SUBSTITUTES

Experience in the use of polyvinyl in the treatment of traumatic shock. G. A. Pokrovskiy. Voen.-med. zhur. no. 7:20-23 '64.

Study of the effect of plasma-substituting solution of polyvinyl on the renal function in dogs. L. M. Khlebnikova. Pat. fiziol. i eksp. terap. 9 no. 2:70-71 Mi-Ap '65

## BLOOD PRESSURE

Arterial pressure in miners of the retirement age. A. M. Alekseyev. Vop. geron. i geriat. 4:80-82 '65.

Blood pressure in persons 80 years of age and older, based on materials of a mass medical screening. I. V. Muravov, I. V. Shchegoleva, N. V. Derkach. Vop. geron. i geriat. 4:72-80 '65.

Blood pressure in sensitized organisms and its changes under the influence of vasoconstrictors and vasodilators. A. A. Kononenko. Trudy Khark. med. inst. no. 36:267-272 '57.

Characteristics of hemodynamics in elderly and senile persons with normal and increased arterial pressure. G. A. Butkevich. Vop. geron. i geriat. 4:202-208 '65.

Dynamics of blood pressure in the process of the higher nervous activity. B. K. Sarnev. Trudy Khark. med. inst. no. 36:117-128 '57.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PRESSURE, LOW see Hypotension

## BLOOD PROTEINS

Changes in serum protein fractions in chronic osteomyelitis. I. I. Zakharov. Vest. khir. 92 no. 6:108-109 Je '64.

Clinical importance of electrophoretic studies of protein fractions of the blood in eye diseases. G. A. Sokolovskiy. Trudy 1-go MMI 32:85-90 '64

Experience in the use of immunoelectrophoresis in agar for the clarification of the role of individual blood serum protein fractions and formation of antibodies in typhoid fever and dysentery. A. I. Ivanov. Zhur. mikrobiol., epid. i immun. 42 no. 4:111-112 Ap '65

Level of protein-bound iodine in the blood of dogs with various properties of nervous processes. T. F. Komarova, E. V. Sokolova, D. S. Tendler. Zhur. vys. nerv. deiat. 15 no. 1:114-119 Ja-F '65.

Method of isolation of N-acetylneuraminic acid from blood serum proteins. I. V. TSvetkova, A. B. Kozina. Sov. metod. v biokhim. 1:322-334 '64

Possibility of the dependence of Wright's reaction on the blood serum proteins. M. R. Nazirov, N. A. Abrakhanova. Zhur. mikrobiol., epid. i immun. 41 no. 10:80-84 '64.

Use of proton resonance method for the observation of complex formation in protein. L. N. Grigor'evna. Biofizika 10 no. 1:173-178 '65

## BLOOD PROTEINS—CONGRESSES

Simpozium po voprosam proizvodstva i primeneniya glukozoksidazy. Kiev, 1964. [Proteins in medicine and the national economy; blood proteins, glucose oxidase] Belki v meditsine i narodnom khoziaistve; belki krvi, glukozoksidaza. Respublikanskiy mezhvedomstvennyy sbornik, seria "Molekulyarnaya biologiya." Kiev, Naukova dumka, 1965. 247 p.

## BLOOD SUGAR

Amino acid insufficiency in the diet and glucose content in the blood. P. V. Simakov. Ukr. biokhim. zhur. 34 no. 3:400-405 '62.

Change in the blood sugar level following overeating by patients with gastric hyperacidity. E. S. Dyalshevskiy. Soob. AN Gruz. SSR 28 no. 1:31-38 Ji '62

Some characteristics of the effect of adrenaline and insulin on the sugar level in the blood in animals of various ages. V. G. Shevchuk. Vop. geron. i geriat. 4:247-249 '65.

BLOOD TUMOR see Hematoma

## BLOOD VESSELS—DISEASES

Prevention of vascular crises in elderly age. D. Z. Kolosov, I. S. Kurilenko. Vop. geron. i geriat. 4:185-189 '65.

## BLOOD VESSELS—INNERVATION

Age-related characteristics of the sensitivity of vascular chemoreceptors to the effect of CO<sub>2</sub> and acetylcholine. I. V. Shchegoleva. Vop. geron. i geriat. 4:80-82 '65.

Changes in the wall of a vascular autotransplant and its innervation in a growing organism; experimental study. N. L. Chumachenko. Vest. khir. 93 no. 12:59-65 D '64.

## BLOOD VESSELS—PERMEABILITY

Change in the permeability of blood vessels in an acute course of hog cholera. N. I. Arkhipov. Vop. vet. virus. 1:291-297 '64.

Pathogenesis of early manifestations of acute inflammation. I. A. Olvin. Arkh. pat. 27 no. 3:17 '65.

## BLOOD VESSELS—SURGERY

Methodology for the evaluation of blood circulation in the vessels of the lower extremities in obliterating diseases and indications for reconstructive surgery. N. S. Al'gin. Vest. khir. 94 no. 2:47-51 F '65.

Surgical treatment of nephrogenous hypertension and its results. A. I. Pytel'. Vest. khir. 94 no. 2:3-13 F '65.

## BLOOD VESSELS—TRANSPLANTATION

Changes in the wall of vascular autotransplant and its innervation in a growing organism, experimental study. N. L. Chumachenko Vest khir 53 no. 12:59-65 D '64

## BLOOD VOLUME

Changes in the volume of the circulating blood in dogs following plethoric blood transfusion. N. A. Gorbunova Pat fiziol i eksp terap 9 no 2 68-70 Mr-Apr '65

Determination of the heart volume and other indices of central hemodynamics of the heart using radioactive krypton (Kr85). F. F. Kaperlo Med rad 9 no 7 7-17 Ji '64

Effect of prophylactic antishock complex on changes in the mass of circulating blood and sensitivity to hemorrhage following a trauma. K. A. Gerbut Pat fiziol i eksp terap 9 no 2 74 Mr-Apr '65

## BLOWERS—SAFETY MEASURES

Matukhin, A. N. [Safety manual for operators of blowers of mineral wool insulation] Pamiatka po tekhnike bezopasnosti dlia operatora uzla razduva rasplava mineral'noy vaty Moskva, Stroizdat, 1965, 15 p. (Tekhnika bezopasnosti i promyshlennosti stroitel'nykh materialov)

## BLUMBACH, FEDOR IVANOVICH, 1864-1949

Rabinovich, I. M. [Watching over precision; pages from the life and activity of F. I. Blumbach] Na strazhe tochnosti; stranitsy iz zhizni i deiatel'nosti F. I. Blumbakha. Riga, Latvisskoe gos. izd-vo, 1965, 81 p.

## BOARDING SCHOOLS see subdivision under Hungary, Mednoye (Kalinin Province)

## BOAT-RACING see Rowing

## BOATS AND BOATING

Getting astride a wave. I. El'shanskii Izobr i rats no 4 18-19 '65

## BODIANSKII, OSIP MAKSIMOVICH, 1808-1877

Archives of O. M. Bodianskii. A. I. Riappo Rad lit 9 no 4 71-78 Ap '65

## BODY AND MIND see Mind and body

## BODY FLUIDS

Amino-acetic analysis of proteins, tissue extracts and biological fluids. L. P. Alekseenko Sovr metod. v biokhim 1 129-161 '64

Methodology for simultaneous determining of the volume of extra- and intracellular fluid in the body of rats. I. U. Ivanov, B. A. Pakhmurnyi Biol eksp biol i med 59 no 4 123-125 Ap '65.

## BODY TEMPERATURE—REGULATION

Analysis of the changes in the excitability of the thermoregulating center in the process of a developing fever reaction. E. M. Bellavinskii Pat fiziol i eksp terap 9 no 2 30-32 Mr-Apr '65

Ivanov, K. P. [Muscle system and chemical thermoregulation] Myshechnaya sistema i khimicheskaya termoregulatsiia Moskva, Nauka, 1965, 125 p.

Short-term local fluctuations of the temperature of the cerebral cortex in dogs and their relations to the regional blood circulation. V. I. A. Beizova-Uyl. Fiziol zhur. [Ukr.] 5 no 1 70-75 Ja-F '65.

Study on the heat exchange level in rabbits vaccinated against tuberculosis, based on data of direct and indirect calorimetry. A. F. Polushkina Biol eksp biol i med 59 no 4 30-33 Ap '65.

Study of thermoregulation in flight personnel for the use of aviation medical expertise. A. S. Fanfilov, V. P. Varvarin Voen.-med. zhur. no 11:56-59 '64.

Thermoregulating activity of the muscles in the awakening of hibernating animals. G. M. Daudova Pat fiziol i eksp terap 9 no 2 73-74 Mr-Apr '65

## BODY WEIGHT

Effect of thyroidectomy on the effectiveness of fattening hogs. P. M. Kulabko Fiziol. zhur. [Ukr.] 9 no 1: 132-133 Ja-F '63.

Mathematical analysis of the changes in body weight in complete alimentary starvation in man. I. U. L. Shapiro, L. E. Sternin Pat fiziol i eksp terap 9 no 2 68-69 Mr-Apr '65.

Relation between the sex of the offspring and the change in fatness of parental organisms. V. Sh. Kamalian, Izv. AN Arm. SSR, Biol. nauki 18 no. 4:37-43 Ap '65.

## BOERS

Situation of the native population of the British colonies in South Africa and the Boer republics at the end of the 1890's and its struggle against colonialism. I. A. Nikitina, Uch. zap MGPI no. 220:425-465 '64.

## BOGDANOVICH (VERDLOVSK PROVINCE)—REFRACTORY MATERIALS

New developments at the Bogdanovich refractories plant, D. I. Usvuk and others. Ogonnopyr 30 no. 8:8-9 '65

## BOGOMOLOV, VLADIMIR OSIPOVICH

Loyalty to tradition and loyalty to oneself. S. L'vov Nov mir 41 no 4:256-259 Ap '65

## BOILERS

Automation of the boiler houses of the sugar factories of the Vinnitsa Sugar Trust. V. V. Dmytrash, S. N. Rovyns'kyi Khar prom no 2 13-15 Ap-Je '65

Calculation of the temperature mode of flamed water walls. I. A. S. Zhulodov, E. I. Konoplev Teploenergetika 12 no 5 71-74 My '65

Clogging of boiler screens. V. N. Golovin Teploenergetika 12 no 4 42-47 Ap '67

Conditions of heat transmission during the condensation of steam in parallel connected pipe clusters. L. D. Boiko, G. N. Kruzhilin Teploenergetika 12 no 5 63-67 My '65

Effect of the heat stream and velocity on the hydraulic resistance of a steam and water mixture in pipes. E. L. Miropolskii, M. F. Shileman, R. I. Shneierova Teploenergetika 12 no 5 67-70 My '65

Equipping vertical (stationary) steam boilers operating on gas with explosion safety valves. I. M. Liando Gaz prom 10 no 4 22-23 '65

Heat burners operating on liquid gas for cast iron sectional boilers. S. B. Buckler, M. I. Leiderman Energet. i elektrotekh. biom no 1 30-31 Ja-Mi '65.

Improve the performance of boiler rooms in canneries. V. E. Koznyev Kona i ov. prom 20 no 1:19-22 An '65

Power unit with 800 thousand kw rating. I. U. F. Indychenko Energ. i elektrotekh. biom no 1:5-6 Ja-Mi '65.

Selection of air heating temperatures taking into account unification demands. S. I. Mochan, L. E. Apatovskii, I. N. Komisarichik Teploenergetika 12 no 1 37-42 Ap '65

Shapov, M. F. [Water treatment for low-pressure boilers] Vodopodgotovka dlia kotlov nizkogo davleniia. Moskva, Stroizdat, 1965, 118 p.

Stand tests of a forced jet chamber for liquid fuel. V. I. Khvostov, V. I. Solonin Teploenergetika 12 no 5 77-81 My '65

Thermal effectiveness of steam and gas systems using the heat from intermediate air cooling in the steam portion. A. I. Andriushchenko, V. N. Lapshov, V. A. Ponomarev Teploenergetika 12 no 4 77-80 Ap '65

Zakharov, E. S., S. V. Fal'kovskii, and V. M. Viganikh. [Experience in the installation and adjustment of steam-pipes in blocks with 150 and 200 MW, ratings] Iz opyta montazha i nastradki paroprovodov blokov moshchnosti 150 i 200 Mvt Moskva, Biuro tekhn. informatsii, 1964, 36 p.

[MICROFILM]

## BOILERS—ABSTRACTS

[Boiler manufacture] Ref. zhur.: Kottostir. no. 5 My '65.

## BOILERS—CONGRESSES

Conference on using peak load water-heating boilers. L. B. Sigalov. Bezop. truda v prom. 9 no. 5:60-61 My '65

## BOILERS—FIRING

Boiler room with cyclone combustion of mazut by the vortex method. B. I. Bulgakov, I. A. Pererva, Ferm. i spir. prom. 31 no. 1 41-43 '65.

## BOILERS—SAFETY MEASURES

Overall automation in the changing of small capacity boilers to gas fuel. E. M. Pchel'man. Bezop. truda v prom. 9 no. 5:31-35 My '65.

## BOILERS, MARINE

Cause of the failure of the ignition system of a donkey boiler. E. Levchenko, Mor. flot 24 no. 9:14 S '61

New vessels and new worries. B. I. Ankevich. Rech. transp 24 no. 4:57 '65

Textbook on steam boilers. I. Kriman, A. Plotnikov. Mor. flot 25 no. 5:46 My '63.

## BOLIVIA—POLITICS AND GOVERNMENT

Bolivia—people and junta. I. Ershov. Nov. vrem. 22 no. 22:16-18 My '65.

## BOLIWORM—PARASITES see Parasites—Bollworm

## BOLOGOYE DISTRICT—LAKES

Comparative characteristics of the radiation regime of Bologoye District lakes. G. M. Bagrova. Izv. Vses. geog. ob-va 97 no. 2:163-166 Mr-Apr '65.

## BOLOGOYE DISTRICT—SOLAR RADIATION

Comparative characteristics of the radiation regime of Bologoye District lakes. G. M. Bagrova. Izv. Vses. geog. ob-va 97 no. 2:163-166 Mr-Apr '65

## BOL'SHOY SHARTASH, LAKE—UNIONIDAE

Unusual abscess formation on the shell of Anodonta anatina L. N. K. Deksbakh. Gidrobiol. zhur. 1 no. 1: 67 '65.

## BOL'SHOY TOKMAK REGION (UKRAINE)—GEOLOGY, STRUCTURAL

Relation between manganese ore formation and tectonic development in the Bol'shoi Tokmak deposit region. I. E. Shterenberg. Dokl. AN SSSR 101 no. 4:919-921 Ap '65.

## BOL'SHOY TOKMAK REGION (UKRAINE)—MANGANESE ORES

Relation between manganese ore formation and tectonic development in the Bol'shoi Tokmak deposit region. I. E. Shterenberg. Dokl. AN SSSR 101 no. 4:919-921 Ap '65.

## BOLTS AND NUTS

Precision flangeless upsetting of bolt heads and similar parts. A. M. Gnev. Ku. i shtam. p. o. v. 6 no 12: 39-41 D '61.

## BONDS, CHEMICAL see Chemical bonds

## BONE GRAFTING

Alloplasty in subtotal resection of the sternum. I. M. Grabchenko, P. Kh. Gaiduk. Vest. khir. 81 no. 2:96-97 F '65.

Bone grafting with buried lamellar transplant in the treatment of fractures of the tubular bones. I. A. Bellavina Ortop., travm. i protez. 26 no. 2 61 F '65

Fixed circular flap bone transplant. I. I. Degen Ortop., travm. i protez. 26 no 2 10-21 F '65

Hamoplasty with embryonal bone flaps. L. R. Klechukovskaya Ortop., travm. i protez. 26 no. 2:14-19 F '65

Substitution of extensive defects of the humerus. G. S. Samoilov Vest khir 82 no. 6:99-101 Je '64

Use of autologous osteoblastic tissue in bone grafting. M. L. Dmitriev Ortop., travm. i protez. 26 no. 2 67-68 F '65.

## BONE MARROW see Marrow

## BONES

Effect of various doses of X rays on the osteogenesis in long tubular bones of the extremities in the embryos of mice. L. G. Neverova. Dokl. AN SSSR 101 no. 5:1218-1218 Ap '65

## BONES—CANCER

State of the bone marrow during the development of an osteogenic sarcoma induced by aluminum D. P. A. Vlasov. Arkh. pat. 27 no. 2:14-18 '65

## BONES—DISEASES

Pathological reconstruction of bones caused by excessive stress. V. I. Bezhenitsa. Ortop., travm. i protez. 26 no 2 23-30 F '65.

27 pathologic fractures in a 12-year-old girl. S. S. Pavlov Vest. khir. 83 no 12:95-96 '64.

## BONES—HYDATIDS

Echinococcal bone lesions. V. M. Diakin. Vest. khir. 82 no 6:101-103 Je '64

## BONES—TUBERCULOSIS

Babich, B. K. [Fundamentals of compound functional treatment in osteoarticular tuberculosis] Osnovy kompleksnoi funktsional'noi terapii pri kostno-sustavnom tuberkuloze. Kiev, Zdorov'ia, 1965, 106 p. (DNLM)

## BONES—TUMORS

Current state of the clinical study of giant-cell bone tumors (osteoblastoclastomas). V. I. A. Shtepherokii. L. P. Kuz'mina. Khirurgia 41 no. 4:121-126 Ap '65.

Experience in using arteriography in bone tumors. A. G. Sadykhov, M. N. Saidina. Khirurgia 41 no. 4:99-103 Ap '65.

Giant-cell bone tumors (osteoblastoclastomas). Khirurgia 41 no. 4:116-120 Ap '65.

Osteochondroma. M. D. Akhundova, M. G. Sukhialina. Khirurgia 41 no. 4:95-98 Ap '65.

Osteoid osteoma. V. A. Samonov, A. N. Antipina. Arkh. pat. 27 no. 5:15-19 '65.

## BONES—WOUNDS AND INJURIES

Primary healing of bone injuries. G. I. I. avrinskheva, E. I. Dubrov Arkh. pat. 27 no. 3:37-43 '65

## BONUS SYSTEM

(see also subdivision under Kharkov Economic region; Moscow; Volga Economic Region)

Awarding bonuses to trade workers. N. Vladova. Sov. torg. 38 no. 5:43-46 My '65.

Bonuses established for collective and state farms for fulfilling contractual agreements. L. Nazarovskii. Zakup. sel'khoz. prod. no. 5:54-55 My '64.

Communal and everyday-need service, and the economic levers. E. Lopatin. Sots. trud 10 no. 2:49-55 '65.

Conclusions and suggestions. V. Roshchinskii. Sots. trud 10 no. 2:8-13 '65.

Efficiency of material reward for the quality of production. B. Bykov, G. Pecherskii, L. Epstein. Sots. trud 10 no. 2:14-18 '65.

The experiment works successfully. V. Gornichenkov. Sov. profsoyuz 21 no. 11:17-18 Je '65.

The foreman's fund. I. A. Kagan. Sots. trud 10 no. 2: 38-41 '65.

Improve the system of paying bonuses to production combine workers. I. U. Artemov. Sots. trud 10 no. 2: 47-48 '65.

## BONUS SYSTEM (Continued)

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions Sots trud 10 no 2:142-143 '65

Material incentives for chemical industry workers. I. Alekseev Sots trud 10 no. 2:37-38 '65

Specifications which are necessary to make. P. Gol'danskii. Sots trud 10 no. 2:21-24 '65

The story told by the Donets experience. V. Filipenko, D. Savich Sots. trud 10 no. 2:18-21 '65.

## BOOK INDUSTRIES

The bookseller and the customer. V. Diagilev. Sov. torg 38 no 1:43-44 Ap '65

## BOOKPLATES

Library ex libris. E. Vainstein. Bibliot. k. 42 no. 4: 58-59 Ap '65

## BOOKS AND READING

Gulevich, S. A. [How to read literary works; a guide for students] Kak chitat' khudozhestvennuiu literaturu, v po-moshch' uchashchimsia. Moskva, Ucheptgiz, 1962, 50 p.

[MICROFILM]

Inscriptions in books made by peasants and manor scribes in the 18th and 19th centuries. E. V. Blagoveshchenskaya. Ist. SSSR 9 no. 1:140-142 Ja-F '65

BOOKS FOR CHILDREN see Children's Literature

## BOOKSTORES—EQUIPMENT AND SUPPLIES

Kamenetskii, A. T. [Small-scale mechanization of bookstores and book warehouses] Malina mekhanizatsia knizhnykh magazinov i skladov. Moskva, Kulga, 1965, 133 p.

## BOOLEAN FUNCTIONS

Algorithms for minimizing poorly defined Boolean functions. A. D. Zakrevskii. Kibernetika no 2:53-60 Mr.-Ap '65.

## BOOTS AND SHOES, RUBBER

Mechanized method for the manufacture of warm rubber boots. A. A. Pozin and others. Kauch. i rez. 7 no 1: 32-35 Ap '65

## BORATES

Development of borate luminophors with erythral action. E. I. Kochugova, I. M. Gulevich. [Trudy] GIPKII no 51:83-87 '64

Outlines of structural mineralogy. Part 15. N. V. Belov. Min. sbor., 13 no 1:5-15 '64

## BORDER PATHS

In the first hours of the war. E. Tsybul'skii. Voenn. znani. 31 no 6:4-5 Je '65

## BORDETELLA

Epidemiological and clinical characteristics of pertussis-like diseases caused by Bordetella parapertussis. O. M. Novikova, I. S. Saitarov, L. A. Belinov. Zhur. mikrobiol., epid. i immun. 42 no 4:126-131 Ap '65.

## BORDETELLA—CULTURES AND CULTURE MEDIA

Study of the interaction of Hemophilus pertussis and Hemophilus parapertussis with tissue cultures. Report No. 1. Comparative sensitivity of various tissues to Hemophilus pertussis and Hemophilus parapertussis. E. I. Shmeleva, M. S. Zakharova. Zhur. mikrobiol., epid. i immun. 41 no. 11:18-23 N '64.

## BORIC ACID

Synthesis of boron-nitrogen containing compounds on a base of boric acid. I. A. M. Paushkin, I. S. Panidi. Trudy MINKHGP no 4:33-39 '63.

## BORIDES

Atomizing capacity of boride catalysts of platinum group metals. M. I. Rozengart and others. Izv. AN SSSR. Ser. khim. no. 5:919-922 '65.

## BORING

Boring prospect holes with a steel-shot hydraulic percussive instrument in rocks of great hardness. A. T. Kiselev, A. B. Kuselevich. Izv. vys. ucheb. zav., geol. i razv. 7 no. 11:108-113 N '64.

Controlling the verticality of mine shafts by the ultrasonic location method. B. I. Leifenzon. Shkhi. strol. 9 no. 4:8-10 Ap '65.

Determining the hardness of rocks in the field. V. K. Rubtsov. Ugol' 40 no. 4:40-41 Ap '65

Determining the optimal conditions for roller boring in hard, coldly abrasive rock in strip mines. A. F. Sukhanov and others. Gor. zhur. no. 3:36-39 Mr '65.

Disruption of the activity of water wells and methods for their restoration. S. I. A. Suren'tants. Nauch. trudy AKKH no. 27:142-158 '64.

Improving boring and blasting operations at the South Rozdol strip mine. L. F. Zorin, V. M. Karpenko. Gor. zhur. no. 5:69-70 My '65.

Methods for drilling exploratory-producing wells for water. V. V. Dubrovskii. Nauch. trudy AKKH no. 27: 136-141 '64.

Ore breaching by horizontal, fan-pattern holes at spittle mines. V. F. Abramov, D. I. Failyshenko, V. V. Gushchin. Gor. zhur. no 5:19-21 My '65.

Pillar recovery in the Krivoy Rog Basin. A. V. Bud'ko and others. Gor. zhur. no. 5:22-24 My '65.

Review of the book by K. I. Ivanov, V. N. Glazunov and M. F. Nadiin "Modern methods of boring hard rock" IU. G. Abdeev. Gor. zhur. no. 3:80 Mr '65.

Using inclined boreholes in limestone quarries. F. I. Kuchariavil and others. Gor. zhur. no 3:31-35 Mr '65

Utilizing the effect of the pressing-in of boreholes. V. F. Vedutin, V. P. Matveev. Gor. zhur. no. 5:31-31 My '65

## BORING—SAFETY MEASURES

Accident at Mine No 26. V. K. Grekov, T. V. Bregadze. Bezop. truda v prom. 6 no 1:10-12 Ap '65.

Certificate for boring and blasting operations and its practical application. V. S. Shatalov, I. S. Senchenko. Bezop. truda v prom. 6 no. 5:14-17 My '65.

## BORING MACHINERY

(see also subdivision under Magnitogorsk)  
Improvement and prospects for the introduction of the auger boring method of mining coal in the Volin' deposit. I. A. Matylenko, L. F. Zorin. Ugol' Ukr. 9 no. 5:12-16 My '65

Increasing the efficiency of machinery used in percussive rotary drilling. I. G. Shelkovnikov. Izv. vys. ucheb. zav., geol. i razv. 7 no. 11:114-123 N '64

Introducing rock-breaking bits in hydraulic percussion drilling. D. I. Kogann, A. T. Kiselev, A. Zakirov-Ziev, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:15-17 Mr '65.

The P-29 rotary-percussion boring machine. B. I. Shavkun. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:22-23 F '65.

Using small boring bits at the "Khustalnyi" mine. V. T. Zykin, L. I. A. Skriabin. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:21-22 F '65.

## BORING MACHINERY—DESIGN AND CONSTRUCTION

The air hammer hammer is a new boring head. N. N. Elin, K. I. Zhuravlev. Gor. zhur. no 3:54-55 Mr '65.

Studies preceding the design of a boring column in the UZTM boring equipment. A. A. Nosovskii. Shkhi. strol. 9 no 4:11-13 Ap '65.

## BORING MACHINERY—PARIS

Improve the quality of drill steel. K. I. Ivanov, B. G. Solntikov, G. G. Manstenko. Gor. zhur. no 4:14-17 Ap '65

## BORING MACHINERY—PNEUMATIC DRIVING

Effect of the amount of compressed air used on the efficiency of roller bit drilling. B. N. Kutuzov, I. G. Mikheev, A. V. Domakhovskii. Gor. zhur. no. 4:32-34 Ap '65

## BORING MACHINERY—STANDARDS

Standardization of boring machines for strip mining operations. B. A. Simkin. Gor. zhur. no. 4:40-43 Ap '65.

## BORIS, Metropolitan of Kherson and Odessa, d. 1965

Death of Boris, Metropolitan of Kherson and Odessa. Zhur. Mosk. Patri. no. 5:5 '65.

## BORISLAV DISTRICT—ASSOCIATIONS, INSTITUTIONS, ETC.

Promising helpers of local soviets. K. Filomenko. Rad. pravo 28 no 3:33-35 My-Je '65.

## BORISLAV DISTRICT—SOVIETS

Promising helpers of local soviets. K. Filomenko. Rad. pravo 28 no 3:33-35 My-Je '65.

## BORMANN, MARTIN, 1900-

Why I went to Mecklenburg. L. Bezemenskii. Nov. vrem. 23 no 24:13-15 Je '65

BORON see subdivision under Altai Mountains, Eriyan region; Siberia

BORON—EFFECT ON PLANTS see Plants, Effect of boron on

## BORON—SPECTRA

Study on the self-absorption edge in boron. Sh. Dzhamalidze and others. Fiz. tver. tela 7 no. 5:1563-1564 My '65.

## BORON COMPOUNDS

Allyl rearrangement in boron chemistry. B. M. Mikhailov, A. I. A. Bezmenov. Izv. AN SSSR. Ser. khim. no. 5:931 '65.

Preparation of  $\alpha$ -olefins from trialkylboroh. B. M. Mikhailov, V. G. Kiselev, I. U. N. Eubnov. Izv. AN SSSR. Ser. khim. no. 5:898-900 '65.

Synthesis of boron-nitrogen containing compounds on a base of boric acid. I. A. M. Paushkin, I. S. Panidi. Trudy MINKHGP no. 44:33-39 '63.

## BORON HYDRIDES

Generalized scheme for the hydrolysis of the boron hydride ion and diborane. K. N. Mochalov, V. S. Khain, G. G. Gilmanshin. Dokl. AN SSSR 162 no 3:613-616 My '65

## BORON ORGANIC COMPOUNDS

Barphenyl anion. V. I. Stankó, A. I. Kilmova, Zhur. ob. khim. 35 no. 4:753 Ap '65.

Boronic salts from di-n-butyl boron chloride. T. A. Shehegoleva, B. M. Mikhailov. Izv. AN SSSR. Ser. khim. no. 4:714-716 '65.

Five-membered chelate complexes of 1,2-bis (diphenyl-phosphino) benzene with metals. L. I. Zakharkin, G. G. Zhigareva. Izv. AN SSSR. Ser. khim. no. 5:932 '65

Organoboron compounds. Report No. 139. Reactions of organoboronic acid esters with some bifunctional compounds. B. M. Mikhailov, T. K. Kozminskaya. Izv. AN SSSR. Ser. khim. no. 4:139-412 '65.

Reaction of amines with boranes. L. I. Zakharkin, V. N. Kalinin. Izv. AN SSSR. Ser. khim. no. 3:579 '65.

Splitting of a C-C bond in ketones and alcohols of the barone series under the action of bases. L. I. Zakharkin. Dokl. AN SSSR 162 no. 4:817-820 Je '65

## BORON PHOSPHIDE

Study of the transfer of boron phosphide in the transport reaction process. I. A. Kh. Grinberg, Z. S. Medvedeva, D. G. Zbukov. Izv. AN SSSR. Neorg. mat. 1 no. 1:88-90 Ja '65.

BOSCHINAKIA see subdivision under Kamchatka

BOSPORUS, CIMMERIAN (KINGDOM) see Cimmerian Bosporus (Kingdom)

## BOSTANDYK REGION (KA ZAKHSTAN)—BEE CULTURE

Honey plants in the mountain region of Bostandyk and their role in the development of apiculture. G. Khamidov. Uzb. biol. zhur. 9 no 2:62-65 '65.

## BOSTANDYK REGION (KA ZAKHSTAN)—HONEY PLANTS

Honey plants in the mountain region of Bostandyk and their role in the development of apiculture. G. Khamidov. Uzb. biol. zhur. 9 no 2:62-65 '65

BOTALACKITE see subdivision under Dzharkargan region (Kazakhstan)

## BOTANICAL APPARATUS

"Gravitron", an automatic laboratory installation for long-term continuous recording of changes in the biomass of plants and the simultaneous determination of the amount of water absorbed by their root systems. O. V. Ivanov. Bot. zhur. 50 no. 4:517-522 Ap '65

BOTANICAL GARDENS see subdivision under Kiev; Kishinev, Moscow

BOTANICAL RESEARCH see subdivision under Armenia

## BOTANICAL SOCIETIES

(see also subdivision under Ukraine)  
In the All-Union Botanical Society. A. A. Miatov, B. A. Urusov. Bot. zhur. 50 no. 4:599-600 Ap '65.

## BOTANY

(see also subdivision under Carpathian Mountains; Caucasus, Crimea; Kazakhstan; Lenkoran' Lowland; Mezenskaya Pishma Valley; Osal, Island; Uda Valley, Ural Mountain region, White Russia)

Vsesoyuznoe botanicheskoe obshchestvo. Voronezhskoe otdeleniye. [Studies of the Voronezh section of the All-Union Botanical Society] Nauchnye zapiski Voronezhskogo otdeleniya Vsesoyuznogo botanicheskogo obshchestva, Voronezh, Izd-vo Voronezhskogo univ., 1964, 106 p.

## BOTANY—CLASSIFICATION

Akademii nauk SSSR. Botanicheskii institut. [New contributions to the classification of the lower plants, 1964] Novosti sistematiki nizshikh rastenii, 1964, Moskva, Nauka, 1964, 346 p.

New carpological classification by R. E. Levina. N. N. Kaden. Bot. zhur. 50 no. 4:579-581 Ap '65.

Significance of cytological data for the classification and phylogeny of Pteridophyta. A. E. Bobrov. Bot. zhur. 50 no. 3:441-445 Mr '65.

## BOTANY—CONGRESSES

Phytocological problems at the Tenth International Botanical Congress. T. A. Babotnov. Biul. MOIP. Old. biol. 70 no 2:149-153 Mr.-Ap '65

## BOTANY—CURIOSA AND MISCELLANY

Phenology of plants in literature. M. N. Galakhov. Priroda 54 no. 5:127-128 My '65.

## BOTANY—ECOLOGY

Growth of oak planted in clusters as related to the nature of agricultural crop covering. A. S. Stridov. Sbor. nauch.-issl. rab. VNIALMI no. 28:70-74 '60. Variability in the characters of onions under the influence of growing conditions. D. D. Brezhnev, A. A. Kuzakova. Dokl. Akad. sei. khov. nauk no. 3:12-15 Mr '65.

## BOTANY—EMBRYOLOGY

- Biology of the maturation of embryos in some cereals. M. M. Biskupskii. Dokl. Akad. sei'khov. nauk no. 2:13-16 F '65.
- Change in biochemical properties of seeds in embryogenesis as related to their vernalization. A. A. Aginian, S. M. Minasian. Izv. AN Arm. SSR Biol. nauki 18 no. 1:35-40 Ja '65.
- Development of the ovule and macrosporangia in *Anemone crinita* Juz. P. G. Zhukova. Bot. zhur. 50 no. 3:376-381 Mr '65.
- DNA content in the nucleus of the wheat *cosphere*. V. I. Fursov, V. M. Imushin. Tsitologiya 4 no. 5:574-577 S-O '62.
- Embryology of *Lilium szovitsianum* Fisch. et Lail. L. A. Kobakhidze. Soob. AN Gruz. SSR 37 no. 3:661-667 Mr '65.
- Embryology of the tulip *Tulipa vvedenskii* Z. Botshch. V. P. Pechenitayn. Uzb. biol. zhur. 9 no. 2:53-57 '65.
- Incorporation of amino acids into plastid proteins of the embryonic wheat tissue. A. A. Mutuskin. Dokl. AN SSSR 161 no. 6:1458-1460 Ap '65.
- Preliminary embryological characteristics of the distant hybrids of the *Prunellaceae* subfamily. A. G. Turcotteva. Bot. zhur. 50 no. 3:381-384 Mr '65.

## BOTANY—MORPHOLOGY

- Changes in the morphological structure of the apical cone in the vegetative shoots of meadow grasses. F. V. Lebedev. Nauch. dokl. vys. shkoly, biol. nauki no. 2:124-127 '65.
- Morphology of the vegetative organs of Central Russian sedges (the genus *Carex* L.). Report No. 1. Tiller types. I. U. E. Alekseev. Nauch. dokl. vys. shkoly, biol. nauki no. 2:117-123 '65.
- Nature of morphogenetic processes in potatoes. S. G. Ervandian. Izv. AN Arm. SSR Biol. nauki 18 no. 3:50-56 Mr '65.
- Vakar, B. A. [Guide to the plants of the Urals] *Oprede-tilitel' rastenii Urals*. [Sverdlovsk] Sverdlovskoe knizh-noe izd-vo, 1961. 402 p. [MICROFILM]

## BOTANY—VARIATION

- Chromosome mutation spectrum at different levels of natural cell mutation. N. F. Dubinin, V. K. Shcherbakov, G. N. Kesler. Dokl. AN SSSR 161 no. 6:1434-1435 Ap '65.
- Experimental mutation of peas. N. N. Zoz, F. V. Kolotnikov, S. I. Makarova. Agrokhimia no. 1:105-107 Ja '65.
- Inheritable changes in winter wheat induced by chemical mutagens. N. N. Zoz, S. I. Kakarova. Biol. MOP, Otd. biol. 70 no. 2:124-125 Mr-Apr '65.
- Types of dominant mutations induced by chemical muta-gens. T. V. Sal'nikova, N. N. Zoz. Agrokhimia no. 2:142-145 F '65.
- Ultrasound as a mutagenic factor. T. I. A. Zaruballo, M. M. Kisiluk. Biol. VIR no. 10:25-26 '62.

## BOTANY, ECONOMIC—PHYSIOLOGY

- Theory of the state of organisms and problems of the storage of vegetable raw materials. A. M. Goldovskii. Izv. vys. ucheb. zav., plashch. tekhn. no. 1:15-22 '65.

## BOTANY, MEDICAL

- (see also subdivision under Koml. A. S. S. R.)
- Determination of the needs for raw medicinal plant material on a province scale. S. G. Sboleva. Farmatsev. zhur. 19 no. 1:34-41, '64.
- Study on the production of tinctures from glycoside-containing plant material using ultrasonics. H. A. Vaismar and others. Farmatsev. zhur. 19 no. 1:44-49 '64.

## BOTTLE WASHING MACHINES

- Alkali pump station for bottle washing machines. S. S. Azrielovich, K. P. Andreev. Ferm. i spir. prom. 31 no. 4:28-30 '65.

## BOTTLING MACHINERY

- Attachment to the automatic machine for vodka product bottling in 0.1 liter bottles. V. K. Nimich. Ferm. i spir. prom. 31 no. 4:31-32 '65.
- Modernization of the separate units of the automatic bottling and capping machines. M. F. Poliakov. Khar. prom. no. 2:15-18 Ap-Je '65.
- System for automatic bottling of liquids. A. A. Zakhar-chenko. Maslozhir. prom. 31 no. 3:43-45 Mr '65.

## BOTTLING MACHINERY—PARTS

- Modified design of the guide funnel in the Zhukov system automatic machine. O. A. Bobrenko. Maslozhir. prom. 31 no. 3:45-46 Mr '65.

## BOTULISM—MICROBIOLOGY

- Use of antitubulin alizarin suspension agglutinins for a rapid detection of botulinum pathogens. A. K. Adamov, T. I. Bulelova, A. G. Shvarts. Zhur. mikrobiol., epid. i immun. 41 no. 10:66-70 '64.

## BOUNDARY LAYER

- Boundary layer on a moving continuous flat surface. I. I. Dragimov, V. P. Kashkarov, A. T. Luk'ianov. Izv. vys. ucheb. zav., av. tekhn. 8 no. 2:18-25 '65.

- Heat transfer from a nonisothermal plate with a laminar boundary layer. D. A. Labuntsov. Inzh.-fiz. zhur. 8 no. 3:403-405 Mr '65.

- Porous blowing and suction with a free convection at the vertical surface (laminar boundary layer). P. M. Brdikh, V. A. Mochalov. Inzh.-fiz. zhur. 8 no. 2:229-237 '65.
- Three-dimensional boundary layer of a conducting fluid near the line of intersection of two surfaces in an electromagnetic field. E. L. Kitanin. Mag. gidr. no. 1:37-42 '65.

## BOUNDARY PATROLS see Border Patrols

## BOUNDARY VALUE PROBLEMS

- Asymptotic behavior of the solutions to certain non-stationary boundary value problems at  $t \rightarrow \infty$ . V. P. Mikhailov. Dokl. AN SSSR 162 no. 3:506-509 My '65.
- Boundary value problem involving seepage under pressure. N. B. D'inekil. Dokl. AN SSSR 161 no. 5:1033-1036 Ap '65.
- A boundary value problem with a displacement for a piecewise analytic function. I. S. Rogozhina. Izv. vys. ucheb. zav., mat. no. 2:130-151 '65.
- Formulation and methods of solution of the general boundary value problem in the theory of operators in the aspect of functional analysis. Cauchy and Dirichlet problems. D. P. Mil'man. Dokl. AN SSSR 161 no. 6:1278-1281 Ap '65.
- Riemann-Carleman's problem for a class of generalized analytic functions. V. I. Pokazeev. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk 3 no. 1:72-81 Ja-Apr '65.

## BOURMÉDIENNE, HOUARI, 1925-

- Houari Bourmédiénne on Algerian economy and policy; an interview. Nov. vrem. 23 no. 23:10-11 Je '65.

## BOURNONITE—SPECTRA

- Nuclear quadrupole resonance in bournonite. I. N. Fen'kov, I. A. Safin. Dokl. AN SSSR 161 no. 6:1404-1406 Ap '65.

## BOYDAE, FOSSIL see subdivision under Shengavit region (Armenia)

## BOXERS

- Contents of proclamations written by the participants in the "I Ho Tuan" uprising. N. M. Kalluzhina. Krat. soob. Inst. nar. Az. no. 7:133-142 '64.

## BOXING

- Changes in the functional state indices of a boxer from the effect of a competitive fight. I. U. I. Shirokin, A. V. Strokina. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 1:36-40 Ap '65.
- Experimental study of the motor skills of a boxer. O. V. Petunin. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 5:61-63 My '65.

## BRACHIOPODA, FOSSIL see subdivision under Abkhazia

## BRAIN

- Central organization of nervous processes and the basic impulse activity of neurons. A. B. Kogan, O. G. Chorafan. Zhur. vys. nerv. deiat. 15 no. 2:229-237 Mr-Apr '65.
- Change in the isoelectric point and solubility in the isoelectric zone of brain proteins. V. F. Dunaleva, I. E. F. Ivanenko. Ukr. biokhim. zhur. 34 no. 3:379-386 '62.
- Characteristics of the changes in the enzyme activity of brain tissues in reflex epilepsy. A. A. Fokrovskii, L. G. Ponomareva. Zhur. vys. nerv. deiat. 15 no. 1:120-127 Ja-F '65.
- Characteristics of the ultrastructure of tubular mitochondria in the neuropil of the forebrain in a turtle. T. V. Davydova. Dokl. AN SSSR 162 no. 3:675-677 My '65.
- Effect of sodium deoxycholate and trypsin on the mitochondria of the gray and white substances of the brain in rabbits. G. P. Guldova. Biol. ekap. biol. i med. 59 no. 4:42-45 Ap '65.
- Electrophysiological data on the effect of some psychopharmacological substances on various structures of the human brain. N. N. Traugott, L. I. A. Balonov, D. A. Kaufman. Zhur. vys. nerv. deiat. 15 no. 1:42-52 Ja-F '65.
- Experimental study of the effect of ginseng on the motor activity in health and under conditions of changed correlations of the fundamental processes of the higher nervous activity. M. M. Bruk. Trudy Khar. med. inst. no. 36:319-325 '67.
- Formation of experimental neurosis in dogs resulting from simultaneous stimulation of the subcortex and the mechanoreceptors of the stomach. N. F. Suvorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3:141-146 '65.
- Introduction of substances into cerebral arteries of dogs in a chronic experiment. V. E. Ryzhenkov. Fiziol. zhur. 51 no. 3:400-402 Mr '65.
- Materials for posthumous cerebral angiography. Technique and methodology. Report No. 1. P. A. Sokolov. Sud.-med. ekspert. 8 no. 1:16-18 Ja-Mr '65.
- Quantitative determination of gangliosides of the brain. N. Sh. Promyslov. Ukr. biokhim. zhur. 34 no. 3:451-455 '62.

- RNA fractions of the brain in animals of different ages. T. P. Babii, E. B. Skvyrs'ka, M. I. Kovalenko. Ukr. biokhim. zhur. 37 no. 1:33-42 '65.

- Role of the higher sections of the central nervous system in the restoration of the morphological composition of the blood following acute blood loss. F. S. Adonkin. Trudy Khar. med. inst. no. 34:259-266 '67.

- Shifts in carbohydrate metabolism of the brain following extirpation of superior cervical sympathetic ganglia. E. E. Mkhelani. Izv. AN Arm. SSR. Biol. nauki 10 no. 4:9-15 Ap '65.

- Significance of the functional and sequential alteration of the stereotype in children of the pre-school age. E. N. Deglar'. Nauch. soob. Inst. fiziol. AN SSSR no. 3:33-35 '65.

## BRAIN—ABNORMALITIES AND DEFORMITIES

- Review of E. B. Kravoski's Abnormalities of the central nervous system "IU. V. Gul'kevich. Arkh. pat. 27 no. 3:80-90 '65.

## BRAIN—BLOOD SUPPLY

- Changes in the EEG in arterial aneurysms of the brain. A. N. Kononov, A. A. Sokolova, T. O. Faller. Zhur. nevr. i psikh. 65 no. 4:516-523 '65.
- Innervation of cerebral capillaries. Sh. A. Khidrogulian. Izv. AN Arm. SSR. Biol. nauki 10 no. 4:10-21 Ap '65.
- Pathological linking of the carotid artery and its significance in disorders of cerebral blood circulation. R. O. Garasferian. Zhur. nevr. i psikh. 65 no. 4:480-485 '65.

## BRAIN—CONCUSSION

- Functional state of the vegetative nervous system in closed craniocerebral injuries (the concussion of the brain). A. A. Ashraf'ov. Izv. AN Azerb. SSR. Ser. biol. nauk no. 1:104-110 '65.

## BRAIN—DISEASES

- Insipid syndrome in hepatocerebral dystrophy. I. P. Krasil'nikova, I. V. Koblov. Sov. med. 20 no. 5:144-145 My '65.

## BRAIN—HEMORRHAGE

- Angiography of the brain in stillborn infants and dead neonates. E. D. Lipson. Arkh. pat. 27 no. 3:85-71 '65.

## BRAIN—LOCALIZATION OF FUNCTIONS

- Determination of stereotaxic coordinates of subcortical brain formations in developing animals. A. A. Volokhov, N. N. Shillingina. Zhur. vys. nerv. deiat. 15 no. 1:176-184 Ja-F '65.
- Distribution of primary responses to acoustic stimuli in the cerebral cortex. N. I. U. Belonkov, T. B. Kallina. Zhur. vys. nerv. deiat. 15 no. 2:285-294 Mr-Apr '65.
- Efferent cortical representation of the muscular apparatus proper of the visual analyzer in cats. N. V. Shipova. Fiziol. zhur. 51 no. 3:293-299 Mr '65.
- Electroencephalographic data on the role of the lateral and ventromedian nuclei of the hypothalamus in the closing of alimentary temporary connections. L. G. Voronin, L. V. Kalluzhnyi, I. N. Zakharova. Zhur. vys. nerv. deiat. 15 no. 2:364-373 Mr-Apr '65.
- Localization of the mechanism of interlinking inhibition of the cortical motor response. E. T. Blagodatova. Fiziol. zhur. 51 no. 3:300-308 Mr '65.
- Materials of further study of the dynamic localization of conditioned inhibition induced by suggestion in hypnosis. I. I. Korotkin, M. M. Suslova. Zhur. vys. nerv. deiat. 15 no. 1:53-60 Ja-F '65.
- Principle of structure and the problem of interrelations between psychic and physiologic phenomena. R. S. Zlatin. Fiziol. zhur. [Ukr.] 9 no. 1:22-26 Ja-F '63.
- Role of the corpus callosum in the formation of complex defense reflexes. I. F. Aslanova. Zhur. vys. nerv. deiat. 15 no. 2:357-363 Mr-Apr '65.
- Role of the cortex and subcortex in the regulation of the cardiovascular function of the organism. N. A. Burygina. Trudy Khar. med. inst. no. 36:109-116 '67.
- Some data on the conduction paths of the optic analyzer. I. V. Birluchkov. Biol. ekap. biol. i med. 59 no. 4:111-113 Ap '65.

## BRAIN—RESEARCH

- Histological examination of the brain following the extirpation of the cerebral cortex in dogs. G. A. Tolche-nova, I. I. Figurina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:153-157 '65.

## BRAIN—SOFTENING

- Lesion of the extracranial portion of the carotid arteries and encephalomalacia. I. G. Ljudkovskaya. Zhur. nevr. i psikh. 65 no. 4:481-488 '65.

## BRAIN—SURGERY

- Corpora geniculatum laterale and the visual cortex following enucleation in rats. I. I. Figurina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:164-167 '65.
- Effect of bilateral removal of the frontal lobes on re-tarded reflexes. N. A. Shustin. Nauch. soob. Inst. fiziol. AN SSSR no. 3:170-173 '65.

## BRAIN—TUMORS

- Automated gasticulation. N. A. Kryshova. Zhur. nevr. i psikh. 65 no. 5:641-644 '65.  
Diagnostic value of the changes in the composition of the cerebrospinal fluid and the fundus oculi in tumors and meningeal diseases of the brain. V. V. Utkin, N. N. Okhrimenko. Zhur. nevr. i psikh. 65 no. 5:667-671 '65.  
Neuroradiologic studies of hematomas. P. M. Al'perovich. Zhur. nevr. i psikh. 65 no. 5:678-684 '65.

## BRAIN—WOUNDS AND INJURIES

- Diagnosis and expertise in late sequelae of closed cerebral traumas. V. V. Utkin. Voen.-med. zhur. no. 8:440-451 '64.  
Diagnosis of closed abdominal lesions in patients with a brain trauma. V. I. Grebeniuk, R. I. Zhitnikov. Voen.-med. zhur. no. 6:26-29 '64.  
Diagnosis of epidural and subdural hemorrhages in acutely closed cerebrocranial trauma. I. B. Kaplan. Voen.-med. zhur. no. 6:20-22 '64.  
Diagnosis of the sequelae of a closed cerebral trauma in military medical expertise. V. A. Baronov. Voen.-med. zhur. no. 8:44-48 '64.  
Effect of disorders in the limbic system on emotional reactions and conditioned response in rats. L. I. Ail'mets, M. I. Ditrach, Zhur. vyz. nevrofiziol. 15 no. 1:85-95 Ja-F '65.  
Functional loading with nicotine acid in the diagnosis of some autonomic disorders. V. S. Marakulin. Voen.-med. zhur. no. 10:66-68 '64.  
Methodology of X-ray examination of the skull in the acute phase of cerebrocranial trauma. M. V. Tsyvkin. Voen.-med. zhur. no. 6:61-62 '64.  
Novocaine block of the reflexogenic carotid sinus zone. V. M. Lyakovtsova. Voen.-med. zhur. no. 11:76-77 '64.  
Radiometric and autoradiographic methods in the study of the mechanism of acute traumatic brain edema, experimental research. D. M. Abduraufov, I. N. Dimant. Med. rad. 9 no. 7:3-7 Ji '64.  
Rare case of combined injury to the anterior paranasal regions of the skull and brain. A. N. Solomin. Voen.-med. zhur. no. 6:60-61 '64.  
Some causes of the complications occurring during the residual period of slightly closed cerebrocranial trauma. M. I. A. Borchikovskii. Voen.-med. zhur. no. 6:16-20 '64.

## BRAINSTEM—BLOOD SUPPLY

- Correlation of angio- and cytoarchitectonics in the reticular formation of the brainstem. V. V. Amunts. Zhur. nevrofiziol. 15 no. 4:547-551 '65.

## BRAKES—TESTING

- Investigating the contact between the brake shoes and the drum. V. B. Nemisov. Izv. vyz. ucheb. zav., mashinost. no. 2:78-88 '65.

## BRANDY

- Maikov, V. A. [New developments in the production of brandy spirit.] Novoe v proizvodstve kon'iachnogo spirita. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 86 p. [MICROFILM]

## BRATSLAVA—WORLD WAR, 1939-1945—NAVAL OPERATIONS

- Honorary citizens of Bratislava. Sov. voen. 47 no. 6:7 Mr '65.

## BRAZIL NUT

- Brazil nut. K. I. Dubrovina. Khleb. i kond. prom. 9 no. 3:38-42 Mr '65.

## BRAZILIAN LITERATURE—HISTORY AND CRITICISM

- Tortoliani, I. A. [The Brazilian novel of the 20th century.] Brazil'skii roman XX veka. Moskva, Nauka, 1965. 228 p.

## BREAD

- Fermentative way of improving the quality of wheat bread by the method of oxidation. L. I. Auerman, V. L. Kretovich, R. D. Polandova. Prikl. biokhim. i mikrobiol. 1 no. 1:66-73 Ja-F '65.  
Milk enriched bread. A. G. Beschastnov and others. Khleb. i kond. prom. 9 no. 5:12-13 My '65.  
Plotnikov, P. M., and others. [Use of liquid intermediate products in the making of wheat flour bread.] Prime-nente zhidkikh polufabrikatov pri proizvodstve pshenichnykh sortov khleba. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 39 p. (Tekhnicheskaya informatsiya) [MICROFILM]

- Use of whey in the making of wheat bread. Z. V. Nikitinskaya, G. E. Gurevich, A. V. Vitavskaya. Khleb. i kond. prom. 9 no. 3:3-4 Mr '65.

## BREAD—TESTING

- Ermolaev, A. N., V. V. Sheherbatenko, and I. N. Rasput'ko. [Effect of dynamic loads on bread quality.] Vliyanie dinamicheskikh nagruzok na kachestvo khleba. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 46 p. [MICROFILM]

## BREAKDOWN, ELECTRIC

- Effect of an external electric field on the breakdown of p-n, p-n-p, and p-n-p-n structures. R. S. Nakhmanson. Fiz. i ver. tela 7 no. 5:1556-1557 My '65.

BREAM see subdivision under Tsimlyansk Reservoir

## BREAST—CANCER

- Colloidal breast cancer. A. P. Bazhenova, O. V. Neklyudova, Khirurgiya. 41 no. 4:37-40 Ap '65.  
Immediate and late sequelae of radiation effect in the treatment of breast cancer. A. I. Sirsahinin. Med. rad. 9 no. 7:18-20 Ji '64.  
Results of the treatment of breast cancer. T. G. Lario-shchenko, I. M. Chaikov, A. N. Nemyria. Khirurgiya. 41 no. 4:32-36 Ap '65.

## BREMSSTRAHLUNG

- Double bremsstrahlung in experiments with opposing beams. V. S. Synakh. Zhur. eksp. i teor. fiz. 48 no. 4:1111-1113 Ap '63.

## BREWERIES

- Alkali pump station for bottle washing machines. S. S. Azriellovich, K. P. Andreev. Ferm. i spirt. prom. 31 no. 4:28-30 '65.

## BREWERIES—EQUIPMENT AND SUPPLIES

- Pressure regulator for lager tanks. S. M. Akhropov. Ferm. i spirt. prom. 31 no. 4:33 '65.

## BREWING

- Changes in corn sugar during malting and mashing. T. V. Lavrishcheva, F. M. Mal'tsev. Izv. vyz. ucheb. zav.; pishch. tekhn. no. 1:71-74 '65.  
Characteristics of malt and barley starch and the rate of its saccharification. I. A. Veselov, M. S. Mosichev. Prikl. biokhim. i mikrobiol. 1 no. 1:110-114 Ja-F '65.

BREWING INDUSTRY see subdivision under Armenia; Simferopol'; Ukraine

## BREWING INDUSTRY—BY-PRODUCTS

- Use of brewery wastes for the production of fodder terramycin. G. M. Tararykov, E. A. Sazonova. Ferm. i spirt. prom. 31 no. 1:31-33 '65.

## BREWING INDUSTRY—EQUIPMENT AND SUPPLIES

- Use of the existing equipment for the bulk fermentation of beer wort. M. T. Denshchikov. Ferm. i spirt. prom. 31 no. 3:20-24 '65.

## BRIBERY

- Responsibility for bribery. V. Solov'ev. Sov. iust. 20 no. 10:23-25 My '65.

BRICK BUILDING see Building, Brick

## BRICK WALLS

- Improved 1-3101 series of standard plans for residential buildings with brick walls. B. I. Biltun, M. A. Akramov. Stroil. i arkhitekt. Sred. Az. 1 no. 9:8-9 S '64.

## BRICK WALLS—DEFECTS

- Study of the causes of crack formation in interior bearing walls of apartment houses in the series II-20-01 of the Special Architectural Design Bureau and I-511 of the Special Architectural Design Bureau. R. S. Shakhnazarov. Anal. prich. avar. i povr. stroil. kon. no. 2:78-101 '64.  
Study of the causes of early crack formation in exterior brick walls with local bulges. A. A. Shishkin, R. S. Shakhnazarov. Anal. prich. avar. i povr. stroil. kon. no. 2:66-77 '64.

## BRICKS

- Vsesoyuznoe khimicheskoe obshchestvo im. D. I. Mendeleeva. Tsentral'noe i Moskovskoe pravleniye. [Improving the quality of clay building bricks.] Uchuchshenie kachestva glinianogo stroitel'nogo kirpicha. Moskva, Legkaya industriya, 1964. 146 p. [MICROFILM]

## BRIDGE CIRCUITS

- Calibration of the Smith bridge. M. A. Bykov. Izv. tekhn. no. 3:35-40 Mr '65.

## BRIDGES

- (see also subdivision under Armenia)  
Composite reinforced beams for automobile bridges. V. S. Kazarmovskii. Bet. i zhel.-bet. 8 no. 8:413-417 S '63.  
Deep shear of the abutments of bridges and supporting walls. A. A. Luga. Trudy TSNIIS no. 56:61-70 '65.  
Plane shear of the abutments of bridges. A. A. Luga. Trudy TSNIIS no. 56:14-59 '65.

## BRIDGES—DESIGN AND CONSTRUCTION

- Calculating bridge structures for local stresses. A. Tseitlin. Avt. dor. 28 no. 3:30-32 Mr '65.

## BRIDGES, CONCRETE

- (see also subdivision under Lithuania)  
Bridge spans with inclined stirrups. L. I. Iosilevskii, V. P. Chirkov. Bet. i zhel.-bet. 8 no. 9:423-424 S '63.

- Cables for reinforcing large concrete span bridges. E. A. Troitskii. Bet. i zhel.-bet. 8 no. 9:407-410 S '63.

- Calculating composite bridge elements with due regard to shrinkage and artificial control forces. M. E. Glibshman. Bet. i zhel.-bet. 8 no. 9:429-432 S '63.

Industrial construction of highway and railroad bridges. Inform. biul. VDNKH no. 5:16 My '64.

- Precast prestressed concrete for bridge construction. V. G. Andreev. Bet. i zhel.-bet. 8 no. 9:385-389 S '63.

- Standardization of precast reinforced concrete bridge spans. I. U. K. Krylov. Bet. i zhel.-bet. 8 no. 9:401-406 S '63.

Streitskii, N. N. [Steel reinforced concrete bridges]

- Stal'zhelezobetonnyye mosty. Moskva, Transport, 1965. 375 p.  
Studying the stressed state of reinforced concrete modal sections of bridge trusses. B. V. Bobrikov, A. V. Nosov, V. M. Chestnoi. Bet. i zhel.-bet. 8 no. 9:418-421 S '63.

## BRIDGES, CONCRETE—DESIGN AND CONSTRUCTION

- Basic principles of technical specifications for designing reinforced concrete bridges. N. B. Lialin. Bet. i zhel.-bet. 8 no. 9:398-401 S '63.

## BRIDGES, IRON AND STEEL

- Development of structural forms of metal spans in Soviet bridge building. G. D. Popov. Mat. po met. konstr. no. 3:56-78 '64.

## BRIDGES, STONE

- Stone bridges. Bondarenko. Avt. dor. 28 no. 4:25-26 Ap '65.

BRIKOV, ALEKSANDR PETROVICH, d. 1965

- A. P. Brikov; obituary. Avt. dor. 28 no. 4:3 of cover Ap '65.

BRILL'S DISEASE see Typhus fever

## BRICKETS

(see also subdivision under Kharkov)

- Machines for hay briquetting. B. I. Osobov. Trakt. i sel'khozmas. no. 3:45-46 Mr '65.

## BROACHING MACHINES

- Mechanical broaching of hexahedrons. E. A. Zaid. Mashinostroitel' no. 5:24 My '65.

## BROAD BEAN—DISEASES AND PESTS

- Viruses infecting broad bean. V. H. Kraleev. Mikrobiol. zhur. 26 no. 3:82-88 '64.

## BROILERS (POULTRY)

- Working out the technology for the commercial production of broiler meat and eggs. S. I. Smetnev. Izv. TSKhA no. 5:187-211 '64.

BROMEGRASS see subdivision under Oka Valley

## BROMINATION

- Study of unsaturated organogermanium compounds. Part 2: Course of the bromination of 1,3-enyne germanium hydrocarbons. M. D. Stadnichuk, A. A. Petrov. Zhur. ob. khim. 35 no. 4:700-704 Ap '65.

## BROMINE—PHYSIOLOGICAL EFFECT

- Effect of bromine on the functional activity of the thyroid gland. V. M. Gordienko. Trudy Khar. med. inst. no. 36:53-62 '57.

## BRONCHI—CANCER

- Bronchoscopic and cytological diagnosis of bronchopulmonary cancer. E. F. Ivanova. Trudy TSU 66:135-143 '64.

## BRONCHI—FOREIGN BODIES

- Case of spontaneous exit of a foreign body through the bronchus. A. A. Ismailov, B. A. Ataev. Azerb. med. zhur. 42 no. 1:89-92 Ja '65.

## BRONCHI—RADIOGRAPHY

- Bronchoscopic, bronchographic and angiographic comparisons in a middle lobe syndrome. T. V. Stepanova, A. G. Kochetkova. Trudy TSU 66:151-162 '64.

- Comparative data on two basic methods of bronchography. M. G. Vinner. Vest. khir. 94 no. 2:67-70 F '65.

- Complications in bronchography. E. F. Ivanova. Trudy TSU 66:144-150 '64.

- Simultaneous bronchoscopy and bronchography under local anesthesia. A. G. Stetuk, P. V. Vlasov. Trudy TSU 66:127-134 '64.

## BRONCHI—SURGERY

- Bronchotomy in endobronchial hamartoma. V. G. Cheshek. Vest. khir. 92 no. 6:122-123 Je '64.

## BRONCHI—TUMORS

- Bronchotomy in endobronchial hamartoma. V. G. Cheshek. Vest. khir. 92 no. 6:122-123 Je '64.

BRONCHIAL FISTULA see Fistula, Bronchial



## BRONCHIECTASIS

Sripichenko, D. F. [Surgical treatment of bronchiectasis] Khirurgicheskoe lechenie bronkhoektaticheskoi bolezni. Kishinev, Gos. izd-vo Moldavii, 1958 211 p (DNLM)

## BRONCHOSCOPY

Bronchoscopy, bronchography and angiography comparisons in a middle lobe syndrome T. V. Stepanova, A. G. Kochetkova Trudy TSU 66 151-162 '64  
Simultaneous bronchoscopy and bronchography under local anesthesia A. G. Stetsiuk, P. V. Vlasov Trudy TSU 66 127-134 '64

## BRONZE—WELDING

Argon-arc welding of Br OTsS 4-4-2 5 bronze A. A. Svyrovnikan Svar prozv no 3 17-19 Mr '65

BRONZE AGE see subdivision under Don Valley, Kherson Province, Serzhen'-Yuit (Chechen-Ingush A. S. R.)

BROOMRAPE—HOST PLANTS see subdivision under Soviet Central Asia

## BROOMS AND BRUSHES

Automotive brush A. Abdullin Izobr izats no 4'36 '65

## BROWNIAN MOVEMENTS

Polarized luminescence study of the Brownian micro-movement of luminescent macromolecules E. V. Anufrieva and others Vysokom soed 7 no. 1 25-27 Ja '65  
Rate of Brownian coagulation of aerosols in thirteen-moment approximation, A. V. Astakhov, Dokl. AN SSSR 161 no 5-1114-1117 Ap '65.

## BRUCELLA

Role of opsonizing factors in the phagocytosis of Brucella by macrophages N. I. Braude, Zhur mikrobiol., epid i immun 41 no 10 71-76 '64

Use of safranin for the species differentiation of Brucella G. A. Balandin Zhur mikrobiol., epid i immun 42 no 4 89-91 Ap '65

## BRUCELLA—CULTURES AND CULTURE MEDIA

Cultures similar to Brucella, isolated from micelike stajpe rodents A. G. Korol' Zhur mikrobiol., epid i immun 41 no 11 27-31 N '64

## BRUCELLOSIS

(see also subdivision under Turkmenistan)

Bektemishev, N. D. [Chronic and latent brucellosis] Khronicheskii i latentnyi brutsellez. Alma-Ata, Nauka, 1965, 330 p. (DNLM)

Brucellar lesions of the spine and the sacroiliac joint under conditions of sensitization with a specific antigen D. P. Mergol'd Zhur mikrobiol., epid i immun 41 no 10 142-143 '64

Course of brucellosis in guinea pigs infected by brucella isolated from reindeer N. A. Grekova, E. A. Gubina Zhur mikrobiol., epid i immun 42 no 4 92-96 Ap '65

Intramuscular use of tetracycline antibiotics in brucellosis in an experiment and in a clinic V. R. Sobolev, N. I. Givental', I. U. F. Shcherbak, Trudy TSU 68 140-144 '64

Possibility of the dependence of Wright's reaction on the blood serum proteins M. R. Nazirov, B. N. Abrikhanova Zhur mikrobiol., epid i immun 41 no 10 80-84 '64.

## BRUCELLOSIS—PREVENTIVE INOCULATION

Study of immunogenesis in vaccination with live associated vaccine. Report No. 1: Study of immunogenesis in guinea pigs vaccinated with brucellosis and anthrax vaccines E. A. Gubina, M. I. Chernysheva, Zhur mikrobiol., epid i immun 41 no. 10 3-7 '64

## BRUNO, GIRODANO, 1548-1600

Gorfunkei, A. Kh. [Giordano Bruno] Dzhordano Bruno. Moskva, Mysl', 1965, 204 p. (myslitel' proshlogo)

## BRUSHES, ELECTRIC

Current distribution between brush holders of the same polarity in electric traction motors, A. S. Kurbasov. Izv. vyz. ucheb. zav., elektromekh 8 no. 4 477-470 Mr '65

## BRYANSK—FOOD INDUSTRY—MANAGEMENT

Because of the interchange of items... V. Kamnev. Sov. profsoyuzy 21 no 10 10-11 My '65

## BRYANSK—ROAD MACHINERY INDUSTRY

Outline of the history of the Bryansk Road Machinery Plant. S. P. Kizimova. Stroitel'stvo, mash. 10 no. 4 36-37 Ap '65.

## BRYANSK—TRADE UNIONS—OFFICERS

Because of the interchange of items... V. Kamnev. Sov. profsoyuzy 21 no 10 10-11 My '65

## BRYANSK DISTRICT—FARM MANAGEMENT

Current problems. A. Rogozhkin. Zakup. sel'khoz. prod. no 3 4-5 Mr '65

## BRYANSK DISTRICT—PRODUCE TRADE

Current problems A. Rogozhkin. Zakup. sel'khoz. prod. no 3 4-5 Mr '65

## BRYANSK PROVINCE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

In the land of patriotic glory M. Kuznetsova Nar. obr. no 5 34-37 My '65

## BUCKTHORN—THERAPEUTIC USE

Nzw Rhamnus bark preparation, N. P. Milonova, Farmatsiv zhur 19 no 1-61-65 '64

## BUCKWHEAT

Buckwheat procurement must be increased several times over, M. Ivanov Zakup. sel'khoz. prod. no 5 34-36 My '64

## BUCKWHEAT—ANALYSIS

Effect of trace elements on the yield and chemical composition of buckwheat I. P. Aizupiet, S. I. A. Kaimina, Agrokhimia no 3 122-126 Mi '65

BUCKWHEAT—FERTILIZERS AND MANURES see subdivision under Polesye

## BUDDING

Crafting by means of a sprouting bud Sh. M. Begel'man. Shkola i prozv 9 no 4 85 Ap '65

BUDGET see subdivision under Kirghizistan; Ukraine

## BUDS

Seasonal development of buds in woody plants, G. P. Belostokov, Biol. Glav. bot. snda no. 56 49-52 '64.  
Some data on vernalization and bud arrangement in woody plants, G. P. Belostokov, Nauch. dokl. vyz. shkoly; Biol. nauki no. 2 128-135 '65

## BUILDING

(see also subdivision under Moscow; Samarkand)  
Construction, land, and economic expediency, Liaschenko Ekon. sel'khoz. 40 no 4 82-89 Ap '65.

Kupchikov, I. I., and S. M. Lebedev. [Surveying in large-scale industrial construction] Geodeziya pri krupnom promyshlennom stroitel'stve. 2. izd., perev. Moskva, Nedra, 1965 289 p.

Overall industrialization of preparatory operations, I. U. Avrutin, N. Matveev, Stroitel' arkhitekt. Mosk. 14 no 4 6-8 Ap '65

Reznichenko, F. I., ed. [Problems in the mechanization of construction] Voprosy mekhanizatsii stroitel'stva. Saratov, Privolzhskoe knizhnoe izd-vo, 1964, 129 p.

## BUILDING—COLD WEATHER CONDITIONS

Technology of sealing joints of panel buildings, under winter conditions, by concrete with a potash additive, I. A. Tokmakova. Anal. prich. avar. i povr. stroit. kon. no. 2 263-280 '61.

## BUILDING—CONGRESSES

Soveshchaniye-seminar po obmeny opytom proektirovaniya i stroitel'stva na vechomerzlykh gruntakh, Iakutsk, 1961. [Collection of transactions of the Conference-Seminar on the Exchange of Experience in Design and Construction on Permanently Frozen Ground] Sbornik trudov. Krasnoyarsk, Nauchno-issl. in-t po stroit., 1962, 289 p.

## BUILDING—CONTRACTS AND SPECIFICATIONS

Establishing standards for the design and planning of steam bath-houses I. A. Chernikov Sbor. nauch. rab. AKKH no 7 98-116 '61

BUILDING—QUALITY CONTROL see subdivision under Leningrad

## BUILDING—SAFETY MEASURES

Shvaley, L. N. [Safety engineering in large-panel housing construction] Tekhnika bezopasnosti v krupnopanельnom domostroenii. Moskva, Stroizdat, 1965, 109 p.

BUILDING—STUDY AND TEACHING see subdivision under Uzbekistan

## BUILDING—TECHNOLOGICAL INNOVATIONS

Exhibition of special items, Inform. biul. VDNKH no. 5-17 18 My '64.  
From the exhibition into production, Inform. biul. VDNKH no. 5-19 My '64.  
Meet new developments, Inform. biul. VDNKH no. 10-17-19 O '65.

## BUILDING, BRICK

(see also subdivision under Leningrad)  
Causes of failure in standard brick buildings with longitudinal bearing walls and measures to eliminate them, A. A. Shishkin. Anal. prich. avar. i povr. stroit. kon. no. 2 23-55 '64.

BUILDING, EARTHQUAKE-PROOF see Earthquakes and building

BUILDING, UNDERGROUND see Underground construction

## BUILDING AND LOAN ASSOCIATIONS

Implications of the acquisition of personal property right to a dwelling when there is a simultaneous right to an apartment in a dwelling of a Housing and Building Cooperative K. Zamiatina. Sov. izv. 29 no 7 20-22 Ap '65  
Rights to living space of family members of the holders in housing construction cooperatives, A. I. Mal'gina. Sov. gos. i pravo 35 no 5 120-129 My '65.

## BUILDING FAILURES

Causes of failure in standard brick buildings with longitudinal bearing walls and measures to eliminate them, A. A. Shishkin. Anal. prich. avar. i povr. stroit. kon. no. 2 23-55 '61.

Considering and studying the technical causes of failure and damage of construction elements, A. A. Shishkin. Anal. prich. avar. i povr. stroit. kon. no. 2 6-22 '61.

Failure of reinforced concrete elements caused by inadequate quality control of the concrete A. I. Desov. Anal. prich. avar. i povr. stroit. kon. no. 2 121-130 '64.

BUILDING INSPECTION see subdivision under Chelyabinsk

## BUILDING LAWS

Evacuation of people from large buildings (from foreign practices), N. I. Prostov. Porzh. bezop. no 3 61-65 '61.

BUILDING MACHINERY see Construction equipment

## BUILDING MATERIALS

Building materials of an autoclaved hardening with lime binders and local fillers Z. G. Gildenberg, V. S. Herodkin. Sbor. trud. VNINSM no. 3 113-119 '60  
Plus chemicalization of the country's national economy, A. G. Godev, V. Letunov. Mor. flot 24 no 9 34-35 S '64.

## BUILDING MATERIALS—THERMAL PROPERTIES

Mass and heat transfer in building materials, A. V. Lykov. Inzh. fiz. zhur 8 no. 2 101-108 F '65.

## BUILDING MATERIALS—TRANSPORTATION

Moscow, Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Specialized transportation facilities for the haulage of building materials and elements] Spetsializirovannyye transportnye sredstva dlia perevozki stroitel'nykh materialov i konstruktsii. Moskva, Stroizdat, 1964, 57 p. [MICROFILM]

Use of hydraulic machinery in the river port of Khabarovsk, A. Poteev. Rech. transp. 24 no 4 22-23 '65

BUILDING MATERIALS INDUSTRY see subdivision under Leningrad

BUILDING MATERIALS INDUSTRY—ACCOUNTING see subdivision under Murmansk

BUILDING STONES see subdivision under Virgin Territory

## BUILDING TRADES—STUDY AND TEACHING

Solved and unsolved, G. Oleinichenko. Prof. tekhn. obr. 22 no. 4 8-9 Ap '65.

## BUILDINGS, PREFABRICATED

(see also subdivision under Kemerovo; Krasnoyarsk, Novosibirsk)

Some problems in assembling buildings of large elements directly from the transporting machines L. M. Cherkov. Trudy MIT no. 192 80-97 '65

## BUILDINGS, PREFABRICATED—DEFECTS

Method of measuring volumetric deformations of three-dimensional elements of apartment houses, A. A. Emel'yanov, E. A. Torchinskaya, N. N. Abramov. Anal. prich. avar. i povr. stroit. kon. no. 2 240-253 '64.

## BUKHARA—CARVING (ART INDUSTRIES)

Notkin, I. I. [Bukharan carving in "ganch" in the works of "usto" Shirin Muradov] Bukharskii rezba po ganchu v rabotakh usta Shirina Muradova. Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1961, 96 p. (Tvorchestvo narodnykh masterov Uzbekistana) (NN)

## BULAT, VLADIMIR ANDREEVICH, 1922-

The deed of an artilleryist V. Orlovskii. Sots. zakon. 42 no 5 42-44 My '65.

## BULGARIA—AGRICULTURE—FINANCE

Increase of capital investments in the agriculture of Bulgaria S. Orlovskaya. Ekon. sel'khoz. 40 no 4 108-111 Ap '65

**BULGARIA—ASSOCIATIONS, INSTITUTIONS, ETC.**

Mikhail Genovaki's "Shifting of the functions of state organs to social organizations" V Chushenko. Rad pravo 28 no 3,142-146 My-Je '65

**BULGARIA—AUTOMOBILE INDUSTRY**

Automobile industry in Bulgaria and Romania R I Smolinski. Avi prom. 31 no 1 16-17 Ap '65

**BULGARIA—BIBLIOGRAPHY**

[New literature on Bulgaria] Nov. lit. po Bolg. no. 2 '65.

**BULGARIA—CAVES**

Cave pearls in Bulgaria N T Cholakov. Peshchery no 4 71-84 '61

**BULGARIA—COMMUNISM**

A friend and adviser of the Bulgarian Communists. Part. zhivn' no 11:67-69 Je '65.

**BULGARIA—DELEGATION OF POWERS**

Mikhail Genovaki's "Shifting of the functions of state organs to social organization" V Chushenko. Rad pravo 28 no 3,142-146 My-Je '65

**BULGARIA—DELIVERY OF GOODS**

Organization of the delivery of goods to stores. Kh. Min-kov Sov. toig. 38 no. 4,40-49 Ap '65

**BULGARIA—EDUCATION—PERIODICALS**

From the pages of "Narodna prosveita" Z. Kosova, M Chepinskiy. Rad shk 43 no 4,100-102 Ap '65

**BULGARIA—IRRIGATION CANALS AND FLUMES**

The battle for water. A. Stekolnikov. Nov vsem. 23 no 23:14-15 Je '65.

**BULGARIA—LOCOMOTIVES**

Electric and diesel traction on the railroads of the Bulgarian People's Republic. M. Peichev. Flek. i tepl. tinga 0 no. 3 30-40 Mi '65.

**BULGARIA—MACHINE ACCOUNTING**

Mechanization of accounting and computing work in the People's Republic of Bulgaria I. Mandazhiev. Bulgh uchet 21 no 10:61-62 O '64

**BULGARIA—PEARLS**

Cave pearls in Bulgaria N. T. Cholakov. Peshchery no 4 71-84 '64.

**BULGARIA—RELATIONS (GENERAL) WITH RUSSIA**

From the history of the establishment of Soviet-Bulgarian cultural relations; from the late 1920's to the early 1930's V. I. Zlydnev. Sov. slav no 1:61-69 '65.

**BULGARIA—SOVIETS**

Increasing the role of local soviets in the People's Republic of Bulgaria. Zh. K. Milanov. Sov. gos. i pravo. 35 no. 5,131-135 My '65.

**BULGARIA—WORLD WAR, 1939-1945—ANNIVERSARIES, ETC.**

Your holiday is our holiday. TSViatko Kolev. Sov. vojn 47 no. 8:44 Ap '65.

**BULLDOZERS**

Erokhin, V. M., and G. I. Lanin. [D-521 bulldozer with hydraulic control; the Bryansk Plant for Road Machinery and Building Equipment] Bul'dozer D-521 s gidravlicheskim upravleniem. Branskii zavod dorozhnykh i stroitel'nykh mashin, Moskva, Stroitdat, 1964, 21 p. [MICROFILM]

Practices in the use of bulldozers mounted on C-80 tractors during the construction of the first section of the Karakum Canal N. A. Dokuchaev. Trudy VNIIGIM 41:135-143 '64.

**BUNN, IVAN ALEKSEEVICH, 1870-1953**

History of the struggle against decadence in Russian literature; I. A. Bunin on literary decay. I. S. Gazer. Vtanyk L'viv, un. Ser. filol. no. 1:69-79 '63.

**BUNT (DISEASE OF WHEAT) see Smuts****BURIAL see subdivision under Lchashen region (Armenia)****BURMA—POLITICS AND GOVERNMENT**

The Burmese Socialist Program Party. V. Polenova. Az. i Afr. seg. 8 no. 4:51-52 Ap '65.

**BURNS AND SCALDS**

Changes in the nervous system in burn disease; clinical and morphological study. A. M. L'vovskii. Zhur. nev. i psikh. 65 no. 5:672-677 '65.

Changes in the skin following thermal burns, a review of literature. L. B. Berlin. Ortop. i travm. i protez. 26 no. 2:75-82 P '65.

Cybernetic methods in the prognosis of burn sickness. A. A. Vishnevskii, M. I. Shraiber, S. N. Bratnes. Voen. - med. zhur. no. 6:9-11 '64.

Disorders in the exocrine function of the pancreas in patients with thermic burns. V. A. Kochetkov. Sov. med. 28 no. 1:60-70 Ja '65.

Erroneous evaluation of fat drops in tissues and vessels as an authentic indication of intravital burns L. M. Tsidlin. Sud. - med. ekspert 8 no 1 10-12 Ja-Mr '65

Hemostatic effectiveness of Lagozhilysa tincture in dermatoplasty in burns A. Kh. Khadarov, S. A. Mul-lakandov. Vest. Phir 92 no 6:109-110 Je '64

Possible mechanisms of autolymphatization in pathology and its role in the pathogenesis of burns I. A. Uchitel', I. I. Kalker. Arkh. pat 27 no 2:52-60 '65

**BURNS AND SCALDS—COMPLICATIONS AND SEQUELAE**

Methods of skin grafting in contractions and cicatrices following burns T. E. Gnioryov, V. I. Gusarev. Ortop. i travm. i protez. 26 no. 1:15-17 Ja '65

**BURSTS**

Treatment of traumatic bursitis V. N. Vorgul'. Vest. khir 93 no. 12:105-106 '64

**BURUNDI—DESCRIPTION AND TRAVEL**

In the country of living mountains A. Kliva. Az. i Afr. seg. 8 no. 5:40-42 My '65

**BURYAT A. S. S. R.—CLIMATE**

Zhukov, V. M. [Climate of the Buryat A. S. S. R.]. Klimat Buriatskoi ASSR. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1960. 186 p. [MICROFILM]

**BURYAT A. S. S. R.—IRON ORES—ANALYSES**

Thermomagnetic analysis of the intermediate members of the magnetite-jakobsite isomorphous series from the Eravinskoye iron ore deposits of the Buryat A. S. S. R. L. V. Kolesnikov, G. S. Rumiantsev. Dokl. AN SSSR 161 no. 5 1184-1187 Ap '65

**BURYAT A. S. S. R.—XENOLITHS**

Mineralogy of the xenoliths of the ultrabasic rocks in the basalt of Buryatia, V. S. Gordeeva. Min. sbor. 18 no. 1:96-99 '64.

**BURYAT LANGUAGE—AFFIXES**

Dondukov, U. -Zh. Sh. [Affixal word formation of parts of speech in Buryat] Affiksai'noe slovoobrazovanie chastei rechi v buriatskom iazyke. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 246 p.

**BURYAT LANGUAGE—WORD FORMATION**

Dondukov, U. -Zh. Sh. [Affixal word formation of parts of speech in Buryat] Affiksai'noe slovoobrazovanie chastei rechi v buriatskom iazyke. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 246 p.

**BUS CONDUCTORS (ELECTRICITY)**

General solution of a problem on the optimum distribution of condensers in systems consisting of transformer-main line blocks. S. M. Gittel'son. Izv. vys. ucheb. zav.; elektromekh. 7 no. 7:801-807 '64.

**BUSINESS CYCLES see subdivision under United States****BUTADIENE**

Alkylation of benzene with butadiene. D. E. Mishlev, M. M. Guselnov, P. A. Petrosian. Dokl. AN Azerb. SSR 21 no. 2:15-17 '65.

Halol derivatives of dienes. Part 1: Some chloro derivatives of butadiene. G. M. Miran and others. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:50-59 '65.

Obtaining new monomers on a base of butadiene. IA. M. Pashulin, A. G. Iuzviak. Trudy MIKKhGIP no. 44: 27-33 '63.

Stereospecific polymerization of butadiene in polar media. N. N. Motovilova, V. V. Samoletova. Kauch. i rez. 24 no. 4:35-38 Ap '65

Synthesis of hexachlorobutadiene by exhaustive chlorination of 1,3-butadiene in a fluidized catalyst bed. IU. G. Mamedaliev, M. M. Guseinov, M. S. Salakhov. Azerb. khim. zhur. no. 3:51-53 '64.

Use of a mixing nozzle for the separation of unpolymerized butadiene from butadiene-styrene latex A. G. Liakumovich, V. I. Ponomarenko. Kauch. i rez. 24 no. 4:43-44 Ap '65

**BUTADIENE—SPECTRA**

Electro-optical parameters and intensities of the infrared absorption bands of 1,3-butadiene. E. M. Popov, G. A. Kogan. Opt. i spektr. 18 no. 3:377-383 Mr '65.

**BUTADIENE POLYMERS**

Hydrogenation of cis-1,4-polybutadiene in the presence of soluble catalysts. A. I. Jakubchik and others. Dokl. AN SSSR 161 no. 6:1365-1367 Ap '65.

Stereospecific polymerization of butadiene in the presence of catalytic systems based on  $\eta$ -cyclopentadienyl complexes of nickel. B. D. Bahitskii and others. Dokl. AN SSSR 161 no. 4:836-838 Ap '65.

**BUTADIENE**

Chemistry of polyene and polyacetylene compounds. Report No. 13: Synthesis of dialkylamino derivatives of the diacetylene series. B. P. Gusev and others. Izv. AN SSSR. Ser. khim. no. 3:648-651 '65.

Chemistry of polyene and polyacetylene compounds. Report No. 14: Aldehyde acetals of the diacetylene series and their use in the synthesis of vinyl diacetylenic acids. B. P. Gusev, V. F. Kucharov. Izv. AN SSSR Ser. khim. no. 5:851-855 '65

**BUTANE**

Dehydrogenation of isopentane on aluminum-chrome-potassium catalysts, effect of the chromic oxide content in the catalyst O. D. Sterilgov, N. A. Eliseev. Neftekhimia 5 no 1 10-16 Ja-F '65.

Effect of the heterogeneous s/v factor on the kinetics and mechanism of the cracking of butanes. R. V. Ivanova, IU. S. Protasova, A. D. Stepukhovich. Neftekhimia 5 no 1:33-39 Ja-F '65

Inhibiting effect of resin products in the liquid-phase oxidation of n-butane G. E. Zaikov, E. A. Blumberg, N. M. Emanuel'. Neftekhimia 5 no 1 53-57 Ja-F '65

**BUTANEBORONIC ACID**

Transformations of tetraethyl ester of butane-1,4-dithioboric acid under the effect of amines B. M. Mikhailov, L. S. Vasil'ev, A. IA. Bezmenov. Izv. AN SSSR. Ser. khim. no. 4:712-714 '65

**BUTENE**

Alkylation of toluene with diisobutylene S. D. Mekhtiev, M. M. Lushun. Izv. vys. ucheb. zav., nefi i gaz 8 no 3 61-64 '65.

Dimerization of ethylene on nickel and cobalt catalysts. I. I. Pis'man, M. A. Dain, G. V. Vasil'kovskaya. Azerb. khim. zhur. no. 3:69-74 '64

Hypochlorite oxidation of trimethylcyclohexene. M. M. Moyumzade, F. G. Ismailova. Azerb. khim. zhur. no. 3:59-63 '64.

Investigating the effect of the volumetric speed and temperature on the oxidative dehydrogenation of isocamphenes. A. A. Vartanov, M. S. Belen'skii, T. G. Al'khasov. Izv. vys. ucheb. zav., nefi i gaz 8 no. 4:40, 52 '65.

Oxidation of n-butenes to methyl ethyl ketone in the presence of a palladium chloride catalyst T. P. Vishniakova and others. Izv. vys. ucheb. zav., khim. i tekhn. 7 no. 5:909-922 '64

**BUTENYNE**

Alkylthioynes and their analogs. Part 2: Addition of sulfonyl chlorides to vinylacetylene S. I. Radchenko, A. A. Petrov. Zhur. org. khim. 1 no 1 47-51 Ja '65

Chemistry of vinylacetylene. Part 55: Addition of amines to dimethylacetylenylcarbinol. S. A. Vartanian, L. V. Oganova, Sh. O. Badanian. Zhur. org. khim. 1 no 1:37-40 Ja '65

Chemistry of vinylacetylene. Part 56: Addition of the chloromethyl ethers to methyl ethyl vinyl ethyl chloro-cyclohexane, and some transformation of the chlorides obtained. S. A. Vartanian and others. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:32-38 '65

Cyclic polymerization and copolymerization. Part 36: Radical polymerization of some vinylacetylene compounds S. G. Matsolov, N. M. Morlian, A. A. Sankian. Izv. AN Arm. SSR. Khim. nauki 18 no 1:68-75 '65

**BUTTER**

Aromatic substances in butter made on a continuous production line. V. P. Aristova and others. Izv. vys. ucheb. zav., psikh. tekhn. no. 2 57-60 '65.

Effect of the methods of production on the characteristics and keeping quality of creamy butter O. L. Protsenko. Khark. prom. no. 2 28-31 Ap-Je '65

**BUTTER—ANALYSIS AND EXAMINATION**

Structure of creamy butter made by various methods. F. A. Vishniakii. Izv. vys. ucheb. zav.; psikh. tekhn. no. 1:98-103 '65.

**BUTTER, ARTIFICIAL see Oleomargarine****BUTTER MAKING**

Strakhov, V. V., and others. [Continuous production of creamy butter using the vacuum butter-formation method] Fotozhnoe proizvodstvo silvochnogo masla s primeneniem vakuum-masloobrazovaniia. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964, 20 p. (Tekhnicheskaya informatsiia) [MICROFILM]

**BUTTERFAT**

X-ray diffraction analysis of butterfat, its low-melting fractions and butter. G. V. Tverdokhlebo and others. Izv. vys. ucheb. zav., psikh. tekhn. no. 1:39-44 '65.

**BUTTERFAT—ANALYSIS**

Seasonal changes in the glyceride composition of butterfat. Kh. A. Elter. Izv. vys. ucheb. zav., psikh. tekhn. no. 2:34-37 '65.

**BUTYL ALCOHOL**

Reactions of dimethylcyclosilazanes with n-butyl alcohol and n-butyl borate. K. A. Andrianov and others. Izv. AN SSSR. Ser. khim. no. 3:446-449 '65.

**BUTYL BORATES**

Reactions of dimethylcyclosilazanes with n-butyl alcohol and n-butyl borate. K. A. Andrianov and others. Izv. AN SSSR. Ser. khim. no. 3:446-449 '65.

## BUTYL PHOSPHATES

Determination of butyl phosphoric acids, tributyl phosphate, and kerosene when present together in aqueous solutions. A. N. Pukhontov and others. Zhur. anal. khim. 20 no. 3 372-374 '65.

Periodical singularities on the viscosity polytherms of tributyl phosphate and its solutions. A. N. Kirgintsev, L. N. Efanov. Izv. AN SSSR Ser. Khim. no. 4 625-631 '65.

## BUTYNE

Complex compounds of chromium and manganese with 1-dimethylamino-2-butyne. S. N. Avakian, R. A. Karapetian. Izv. AN Arm. SSR Khim. nauki 19 no. 1 15-17 '65.

Reactions of ethers with unsaturated radicals. Part 3: Splitting of 1, 4-dialkoxy-2-butyne. G. M. Mkrtchyan, Sh. L. Medzhafian. Izv. AN Arm. SSR Khim. nauki 18 no. 1 44-49 '65.

## BUTYRIC ACID

Condensation of  $\alpha$ ,  $\gamma$ ,  $\gamma$ -trichlorobutyric acid chloride with benzene. E. I. Vasil'eva. Izv. AN SSSR Ser. Khim. no. 3 457-460 '65.

Cultural characteristics of the effect of biotin and nitrogen source on the accumulation of gamma-aminobutyric acid in yeast. M. A. Ter-Karapetian, E. N. Makarova. Dokl. AN Arm. SSR 40 no. 2 117-121 '65.

Effect of  $\gamma$ -aminobutyric acid on some aspects of the carbohydrate metabolism in the brain and liver of the chick embryo. R. R. Nerseyan. Izv. AN Arm. SSR Biol. nauki 18 no. 3 21-26 '65.

## BYKOV, VASIL'

By order of the conscience. L. Lazarev. Nov. mir 41 no. 5 251-254 '65.

## BZYB' RANGE REGION—GEOMORPHOLOGY

Brief geomorphological study of the southern slope of the Bzyb' Range and the adjacent part of the Black Sea coast. S. N. Nemanishvili. Trudy Inst. geog. AN Gruz. SSR 14 43-55 '61.

## BZYB' VALLEY—GEOMORPHOLOGY

Brief geomorphological study of the Bzyb' River basin. G. Z. Changashvili. Trudy Inst. geog. AN Gruz. SSR 14: 27-43 '61.

## CABBAGE—DISEASES AND PESTS

see subdivision under Murgab Valley

## CABLES

(see also subdivision under Moscow)

Kuranov, I. V., Shepelev, I. M., and A. I. Kuranov. [Automation of equipment for the manufacture of cables and industrial rubber production] Avtomatizatsiya kabel'nogo i rezinotekhnicheskogo obrabotaniya. Moskva, Mashinostroyeniye, 1965, 371 p.

## CABLEWAYS

Belala, N. M., and A. G. Prokhorenko. [Cableways for lumber transportation] Kanatnye lesotransportnye ustanovki. Moskva, Lesnaya promyshlennost', 1964, 298 p.

## CADAVERS

Materials for posthumous cerebral angiography. Technique and methodology. Report No. 1. P. A. Sokolov. Sud.-med. eksp. 8 no. 1 16-18 Ja-Mr '65.

## CADMIUM CHLORIDES

Extraction of a chloride complex of cadmium by the phase of liquid anion exchangers. A. A. Morozov, N. A. Kiselev. Ukr. khim. zhur. 31 no. 4 411-416 '65.

## CADMIUM COMPOUNDS—PHOTOELECTRIC PROPERTIES

Photoelectric properties of p-ZnSiAs<sub>2</sub> and p-CdGeAs<sub>2</sub> crystals. F. F. Kesamanly, I. U. V. Rud', S. V. Stobodchikov. Dokl. AN SSSR 161 no. 5 1065-1066 Ap '65.

## CADMIUM SELENIDE

Crystalline hydrates of the middle cadmium selenide and their thermal decomposition. I. U. P. Sapozhnikov. [Trudy] GIPKH no. 3 34-39 '64.

## CADMIUM-SILVER ALLOYS

see Silver-cadmium alloys

## CADMIUM SULFIDE—SPECTRA

Spectral analysis of zinc and cadmium sulfides with preliminary concentration with microadditives by the method of evaporation in vacuum. L. A. Khlebnikova, L. A. Dvorzhetskaya. [Trudy] GIPKH no. 5 111-116 '64.

## CADMIUM SULFIDE CRYSTALS

Effect of alloying the surface of CdS single crystals with impurities of groups III and VIII of the spectral characteristics of photoconductivity. V. I. Aivazov, H. I. Holynatska, M. K. Sheinkman. Ukr. fiz. zhur. 10 no. 5 572-573 '65.

## CADMIUM SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Determining the parameters of trapping and recombination levels in CdS. E. Z. Melnikhov. Fiz. tver. tela 7 no. 3 1528-1534 '65.

Use of the kinetics of infrared quenching of the photocurrent in determining the parameters of recombination centers in cadmium sulfide. V. E. Lashkarev, A. V. Ljubechenko, M. K. Sheinkman. Dokl. AN SSSR 161 no. 6 1310-1312 Ap '65.

## CADMIUM SULFIDE CRYSTALS—SPECTRA

Characteristics of the reflection spectrum of the CdS crystal in the region of exciton bands. M. S. Brodin, M. I. Strashnykova. Ukr. fiz. zhur. 10 no. 4 410-415 Ap '65.

## CADMIUM TELLURIDE

Stability (yield) of radiative recombination in cadmium telluride under electron excitation. V. S. Vavilov, T. L. Nolle, S. N. Maksimovskii. Fiz. tver. tela 7 no. 5 1558-1559 '65.

## CAFFEINE

Concentration of caffeine in the blood plasma following its peroral and subcutaneous introduction. V. K. Krasauski, E. S. Rogovenko, E. V. Sokolova. Nauch. soob. Inst. fiziol. AN SSSR no. 3 72-77 '65.

Determination of the content of caffeine in blood plasma. E. S. Rogovenko, E. V. Sokolova. Nauch. soob. Inst. fiziol. AN SSSR no. 3 135-137 '65.

## CAFFEINE—PHYSIOLOGICAL EFFECT

Changes in the conditioned response activity in rabbits under the combined effect of caffeine and choline. M. K. Kalina. Nauch. soob. Inst. fiziol. AN SSSR no. 3 52-55 '65.

Effect of caffeine on the higher nervous activity in animals. A. V. Dvur. Nauch. soob. Inst. fiziol. AN SSSR no. 3 16-21 '65.

## CAFFEINE—THERAPEUTIC USE

Combined parenteral use of barbamyl and caffeine at the present development stage of psychiatric therapy. P. N. Iagodka and others. Zhur. nevro. i psikh. 65 no. 5 757-761 '65.

## CAISSON DISEASE

see Decompression sickness

## CALCIUM—ANALYSIS

Determination of calcium microimpurities in alkali metal and ammonium salts after a preliminary concentration of oxidized carbon. F. F. Gorbanko, I. A. Tarkovskaya, M. I. Olefinik. Ukr. khim. zhur. 30 no. 6 640-643 '64.

Flame photometric and photometric methods for determining calcium in plants. D. M. Alekseeva. Pochvovedenie no. 5 63-67 '65.

## CALCIUM—PHYSIOLOGICAL EFFECT

Effect of changes in the Ca concentration in the medium on the resting potential of an isolated skeletal muscle fiber in frogs. G. A. Kurella, Lian Zy-Tsun. Biofizika 10 no. 1 72-81 '65.

Effect of vitamin D on the activity of alkaline phosphatase in the blood and bones of white rats as related to the calcium and fat content in the diet. K. K. Golikov, Ukr. biokhim. zhur. 37 no. 1 97-104 '65.

## CALCIUM—THERAPEUTIC USE

Mechanism of the effect of antiverucin. P. A. Murlykin. Trudy Khim. med. inst. no. 36 327-334 '67.

## CALCIUM ALUMINATES

Systems clinker-forming compound—water. Part 2: Influence of sodium and potassium oxides and active alumina on the hydration in the system C<sub>3</sub>A—C<sub>4</sub>AF<sub>3</sub>. V. F. Chernykh, R. D. Azel'skaya, I. F. Ponomarev. Izv. vys. uch. zaved., khim. i khim. tekhn. 7 no. 6 976-981 '64.

## CALCIUM CARBONATE

Mechanism and kinetics of the dissolution of calcium carbonate. E. S. Vorontsov, I. S. Bystrova. Izv. AN SSSR, Mat. no. 1 25-32 Ja-F '65.

Supergenic synthesis of cobalt-bearing calcium carbonate. L. K. Iakhontova, G. A. Sidorenko. Zap. Vses. min. ob-va 84 no. 2 208-212 '65.

## CALCIUM FLUORIDE CRYSTALS

Paramagnetic resonance of trivalent samarium in CaF<sub>2</sub> single crystals. A. A. Antipin and others. Fiz. tver. tela 7 no. 5 1575-1577 '65.

## CALCIUM FLUORIDE CRYSTALS—SPECTRA

Zeeman splitting of the emission line  $\lambda$  3, 364 in the spectrum of the CaF<sub>2</sub>—Dy<sup>3+</sup> crystal. B. F. Zakharchenko, A. V. Varfolomeev, I. B. Rusanov. Fiz. tver. tela 7 no. 5 1428-1435 '65.

## CALCIUM FLUORIDE CRYSTALS—THERMODYNAMICS

Thermodynamics of optical centers in CaF<sub>2</sub>—TR<sup>3+</sup> crystals. V. V. Osiko. Fiz. tver. tela 7 no. 5 1294-1302 '65.

## CALCIUM NITRATE

Crystallization of calcium nitrate obtained from a solution of nitrate salts. G. D. Chachanidze. Soob. AN Gruz. SSR 29 no. 1 45-52 '62.

## CALCIUM METABOLISM

Two cases of development of compensatory phenomena in dogs during parathyroid insufficiency. N. F. Baranova, M. F. Belovitskaya, M. P. Martynenko. Nauch. soob. Inst. fiziol. AN SSSR no. 3 12-16 '65.

## CALCIUM PHOSPHATES

Effect of certain conditions on the adsorption of microbes by trisubstituted calcium phosphate. A. K. Adamov, M. I. Obol. zhur. 26 no. 3 77-81 '61.

Reduction of calcium orthophosphate by natural methane. I. A. P. Belkman, A. I. Klimovich. Izv. vys. uch. zaved., khim. i khim. tekhn. 7 no. 6 933-937 '64.

## CALCIUM SALTS

Role of calcium ion in maintaining the conformation and active center of  $\alpha$ -amylase in Aspergillus niger. G. A. Molodova, I. D. Ivanov, G. M. Nikolaev. Izv. AN SSSR, Ser. Biol. no. 3 358-367 My-Ju '65.

## CALCIUM SILICATES

Study of the phase diagram of the systems calcium orthosilicate-neodymium orthosilicate and calcium orthosilicate-lanthanum orthosilicate. N. A. Toropov, N. F. Fedorov. Izv. AN SSSR, Neorg. mat. 1 no. 1 126-130 Ja '65.

## CALCIUM SULFATE

Rate of crystallization of calcium sulfate from its supersaturated sulfuric acid solutions. M. I. T. J. B. A. Kopylov, I. A. K. Adatskaya. Izv. vys. uch. zaved., khim. i khim. tekhn. 7 no. 6 901-905 '64.

## CALCULI, BILIARY

Indications for cholecystectomy in the combination of cholelithiasis and coronary insufficiency. L. B. Shmel'tsov, B. L. Eikonin. Trudy TSN 66 193-199 '64.

## CALCULUS, DIFFERENTIAL

Piskunov, N. S. [Differential and integral calculi for technical schools of higher education] Differentsial'noe i integral'noe ischisleniye dlya vtuzov. Izd. 6, Moskva, Nauka, Vol. 2, 1965, 312 p.

## CALCULUS, INTEGRAL

Piskunov, N. S. [Differential and integral calculi for technical schools of higher education] Differentsial'noe i integral'noe ischisleniye dlya vtuzov. Izd. 6, Moskva, Nauka, Vol. 2, 1965, 312 p.

## CALCULUS OF VARIATIONS

Optimization of a trajectory with allowance for motion around the mass center. M. K. Takabov. Vest. LGU 20 no. 7 127-134 '65.

Use of the variational method in the thermodynamics of impurity-phonon systems. I. U. F. Perlin, I. A. Ogurtsov. Fiz. tver. tela 7 no. 5 1467-1474 '65.

## CALIBRATION

Effect of the geometry of the pickup of a neutron moisture meter on the form of the calibration curve. O. P. Shipenko. Trudy VNIIGIM 44 228-234 '64.

## CALISTHENICS

Training effect of physical exercises included in the working day schedule. I. P. Vorona. Teori. i prakt. fiz. kult. 27 [1, e. 26] no. 5 87-89 '65.

## CALLUS

Primary healing of bone injuries. G. I. Lavrishcheva, E. A. Dubrov. Arkh. pat. 27 no. 3 37-43 '65.

## CALLUS (BOTANY)

DNA composition of normal and tumorous callus tissues of a wild grapevine. B. F. Ventushin, N. A. Mil'ner. Nauch. dokl. vys. shkoly; Biol. nauki no. 2 102-104 '65.

## CALORIMETERS

Automatic adiabatic calorimeter. A. E. Bernadelli, T. A. Tumanova, I. E. Filin. Trudy LPTSDP no. 14 168-170 '64.

## CALORIMETRY

Calorimetric investigation of thermal effects during the tempering of hardened steel. L. N. Larikov, I. U. F. Yurchenko. Soob. nauch. trud. Inst. metallofiz. AN URSSR no. 10 87-91 '64.

Calorimetric study of the radiation polymerization kinetics. I. M. Barkalov, V. I. Gol'danskii, V. B. Rapoport. ISI no. 01368-1370 Ap '65.

Study on the heat exchange level in rabbits vaccinated against tuberculosis, based on data of direct and indirect calorimetry. A. F. Polushkina. Biol. eksp. Biol. med. 59 no. 4 30-33 Ap '65.

## CALVES

Change in the fermentation activity of the abomasal juice in calves during various age periods. P. A. Nalipa. Trudy mol. uch. UASHN no. 8 58-62 '65.

Methods for studying the secretory function of the liver in calves. B. V. Oleinik. Trudy mol. uch. UASHN no. 8 65-67 '65.

## CALVES—FEEDING AND FEEDS

Effectiveness of the use of substitutes for whole milk in rations for calves and young pigs. K.M. Sontsov and others. Vestn AN BSSR, Ser sel'skosprom. no. 1:117-122 '65.

Made in Riga. L. Jaunvalds, A. Razumikhina, Zakup, sel'khoz. prod., no. 5:24-29 My '64.

New system of feeding calves to the age of six months. I.A. M. Beiryn. Dokl Akad sel'khoz nauk no. 3:24-27 M '65.

## CAMBODIA—DESCRIPTION AND TRAVEL

Cambodia, a neutral corner of Indochina. Thomas J. Abernethy. Az i Afr. seg. 8 no. 4:37-40 Ap '65.

## CAMBODIA—FOREIGN RELATIONS—RUSSIA

The U.S.S.R. Boulevard in Phnompenh. A.U. Nov. vrem. 22 no. 20:25 My '65.

## CAMBODIA—PROPERTY

The property of the temples of the Angkor Cambodia as a form of property of the feudal king. L.A. Sedov. Krat. soob. Inst. nar. Az. no. 85:3-12 '64.

## CAMBODIA—TEMPLES

The property of the temples of the Angkor Cambodia as a form of property of the feudal king. L.A. Sedov. Krat. soob. Inst. nar. Az. no. 85:3-12 '64.

## CAMELS—PARASITES see Parasites—Camels

## CAMERAS

Basic trends in the improvement of present-day cameras. M.I.A. Shul'man. Zhur. nauch. i prikl. fot. i kin. 10 no. 2:152-159 Mr.-Ap '65.

## CAMERAS—PARTS

Ostanovskii, T.S. [Characteristics of the design of camera parts: a lecture] Kharakteristika konstruktivnykh uslov. fotograficheskikh apparatov; Iekstsiia, Moskva, In-t nar. khoz., 1964, 27 p.

[MICROFILM]

## CAMPS

In anticipation of summer. M. Krasnova. Nar. Obr. no. 5 supplement 16p. My '65.

## CAMS

Investigating the dynamics of a cam-mangle mechanism of an automatic machine. B.E. Borodin, E.G. Nakha-petun. Mashinovedenie no. 1:30-43 '65.

Klebanov, M.K. [Design of cam-gear drives for the working elements of automatic machine tools] Proektirovaniye privodov rabochikh organov avtomaticheskikh stankov s kulichkovymi mekhanizmami, [Kulichshev] Kulichshevskoe knizhnoe izd-vo, 1961, 50 p.

[MICROFILM]

Theoretical and experimental investigation of a cam mechanism taking into consideration the precision of its manufacture. V.F. Kramikov. Mashinovedenie no. 1:30-35 '65.

## CANADA—COMMERCE

Borodaevskii, A.D. [Canada's trade in forest products for papermaking] Torgovlia Kanady lesobumazhnyimi tovarami. Moskva, 1965, 40 p. [Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no. 4]

## CANADA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

A trend of the economic expansion of the U.S.A. V. Goldsman, L. Karpov, V. Kovalevskii. Mir ekon. i mezhdunar. otn. no. 6:62-70 '65.

## CANADA—FOREST PRODUCTS

Borodaevskii, A.D. [Canada's trade in forest products for papermaking] Torgovlia Kanady lesobumazhnyimi tovarami. Moskva, 1965, 40 p. [Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no. 4]

## CANADA—NATURAL RESOURCES

A trend of the economic expansion of the U.S.A. V. Goldsman, L. Karpov, V. Kovalevskii. Mir ekon. i mezhdunar. otn. no. 6:62-70 '65.

## CANALS see subdivision under Central America; see also Kara Kum Canal; Volga-Don Canal

## CANCER

Chemotherapy of malignant tumors by the peritoneal method. A.N. Novikov and others. Khirurgiia 41 no. 4: 3-9 Ap '65.

Errors in diagnosis and tactics in sarcomas of soft tissues. K.V. Daniel'-Bek. Khirurgiia 41 no. 4:109-114 Ap '65.

Mol'kov, I.I. [Immunological aspects of the prevention, diagnosis and treatment of cancer] Immunologicheskie aspekty profilaktiki, diagnostiki i terapii raka. Moskva, Meditsina, 1965, 243 p.

(DNLM)

Properties of procollagen extracted from sarcomas. A. Kh. Kogan. Arkh. pat. 27 no. 5:8-15 '65.

State of an esophagojejunal anastomosis 15 years after gastrectomy for cancer of the upper region of the stomach with a transition to the esophagus. K.A. Makarova, A.V. Bogdanov. Khirurgiia 41 no. 1:129-130 Ap '65.

## CANCER—DIAGNOSIS

Bronchoscopic and cytological diagnosis of bronchopulmonary cancer. E.F. Ivanova. Trudy TSU 66:135-143 '64.

## CANCER—TRANSPLANTATION

Effect of ribonucleic acids isolated from the liver on the transplantability and growth of transplanted tumors. N.N. Akseanova and others. Tsitologiia 4 no. 5:490-498 S-O '62.

## CANCER CELLS

Electron microscope examination of the ultrastructure of Ehrlich ascites carcinoma cells. V.M. Mitushin. Tsitologiia 4 no. 5:506-510 S-O '62.

Submicroscopic changes in Brown-Pearce tumor cells after the action of ultrasonic waves of high intensity. N.P. Dmitrieva. Tsitologiia 4 no. 5:559-562 S-O '62.

## CANCER RESEARCH

Effect of bacterial polysaccharides on the growth of experimental tumors. Z.V. Ermol'eva and others. Antibiotiki 10 no. 2:134-137 F '65.

Effect of cortisone injections on the adenosine triphosphatase and adenosine diphosphatase content and the adenosine triphosphatase activity in the cells of ascitic tumors. I.A. Bezzvershenko. Ukr. biokhim. zhur. 37 no. 1:70-75 '65.

Effect of homogenates of various tissues on the adaptive activity of cysteine in the process of irradiation of Ehrlich's ascitic carcinoma cells in vitro. I.V. Nekrasova. Dokl. AN SSSR 162 no. 4:950-951 Je '65.

Effect of mitomycin C, actinomycin D, and paromycin on protein synthesis in cellular strains obtained from human tumors. M.I. Lerman, M.S. Benkumovich. Dokl. AN SSSR 162 no. 1:958-959 Je '65.

Study of protein metabolism in tissues of the central nervous system and the transplantable brain tumor at early stages of its development. N.G. Fain. Uzb. biol. zhur. 9 no. 2:9-16 '65.

Testing the effect of purified preparations of basic polypeptides derived from animal tissues on tumor cells. N.V. Pokidova, I.I. Smertenko, T.P. Buzina. Antibiotiki 10 no. 2:137-141 F '65.

## CANCEROGENIC COMPOUNDS see Carcinogens

## CANKER (PLANT DISEASE)

Effect of preplanting treatment of tomato seeds with arezarin on the increase in plant resistance to Corynebacterium michiganense, a causative agent of bacterial cancer. K.G. Bel'tukova, M.S. Halys'ka. Mikrobiol. zhur. 27 no. 2:48-52 '65.

## CANNED FISH see Fish, Canned

## CANNED FOOD see Food, Canned

## CANNED PEAS see Peas, Canned

## CANNED TUNA FISH see Tuna fish, Canned

## CANNERIES

Improve the performance of boiler rooms in canneries. V.E. Koz'yev. Kons. i ov. prom. 20 no. 4:18-22 Ap '65.

## CANNING AND PRESERVING

Bruev, S.N. [Preserving and storing of plums] Konservirovaniye i khraneniye sliv. Moskva, Ekonomika, 1965, 98 p.

Namostnikov, A.F. [Home canning and preserving of fruits and vegetables] Konservirovaniye plodov i ovoshchei v domashnikh usloviyakh. 4, 1 spr. 1 dop. izd. Moskva, Pishchevaia promyshlennost', 1965, 230 p.

## CANNING INDUSTRY

(see also subdivision under Crimea; Dnepropetrovsk, Moldavia; Ukraine)

Receiving and evaluating raw tomatoes according to the content of dry matter. A.N. Nizharadze, V.N. Kevanishvili, A.N. Chelishvili. Kons. i ov. prom. 20 no. 4:33-35 Ap '65.

Role of condenser systems in the heat supply circuit of food enterprises. G.S. Rabzi. Kons. i ov. prom. 20 no. 5:30-42 My '65.

## CANNING INDUSTRY—ACCOUNTING

Organization of business accounting within individual units of a plant. S.Vasev. Bukh. uch. 22 no. 3:50-52 Mr '65.

## CANNING INDUSTRY—PRODUCTION STANDARDS

Work norms for workers employed under the hourly wage systems. Z.A. IAushieva. Kons. i ov. prom. 20 no. 5:25-26 My '65.

## CANNING INDUSTRY—QUALITY CONTROL

Daily efforts to achieve production quality are our paramount task. Kons. i ov. prom. 20 no. 5:1-4 My '65.

## CANNING INDUSTRY—TECHNOLOGICAL INNOVATIONS

For the application of new developments in equipment and technology. IU T. Molarehuk. Kons. i ov. prom. 20 no. 5:5-9 My '65.

Technical progress and bank credit for the industry. A.N. Danilov. Kons. i ov. prom. 20 no. 5:24 My '65.

## CAPILLARIES—INNERVATION

Innervation of cerebral capillaries. Sh. A. Khidirogluian. Izv. AN Arm. SSR, Biol. nauki 18 no. 4:16-21 Ap '65.

## CAPILLARENE

Antibacterial activity of the synthetic derivatives of capillarene (agropyrene) and capillin. V.N. Solov'ev and others. Antibiotiki 10 no. 2:156-159 F '65.

## CAPITAL

(see also subdivision under India)

Bargol'ts, S.B. [Working capital of U.S.S.R. industry] Oborotnye sredstva promyshlennosti SSSR. Moskva, Finansy, 1965, 281 p.

Business accounting and incentives for using capital assets. R. Otason. Vop. ekon. no. 5:33-45 My '65.

## CAPITAL INVESTMENTS

(see also subdivision under Moldavia)

Churakov, K.I. [Construction projects of the seven-year plan] Stroiki semileti. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964, 62 p.

[MICROFILM]

Economic significance of a capital investment efficiency standard and the calculation of interest for capital investments. A.L. Lurie. Ekon. i mat. metod. 1 no. 1:37-45 Ja-F '65.

## CAPITAL INVESTMENTS—ACCOUNTING

(see also subdivision under United States)

Moscow. Nauchno-issledovatel'skii ekonomicheskii institut. [Structure of capital investments in the U.S.S.R. and the U.S.A., analysis and methods of comparison] Struktura kapital'nykh vlozhenii SSSR i SShA, analiz i metody sopostavleniya. Pod obshch. red. V.P. Krasovskogo i A.S. Tolkaicheva. Moskva, Ekonomika, 1965, 250 p.

## CAPITAL INVESTMENTS—STATISTICS

The gross national product and investments in the principal capitalist countries. A. Grechikhin. Mir ekon. i mezhdunar. otn. no. 6:154-158 '65.

## CAPITALISM

(see also subdivision under Austria)

"Cybernetic revolution" and its reflection in the economic literature of the U.S.A. I. Dvorkin. Vop. ekon. no. 5:93-108 My '65.

Problem of international liquidity and the foreign exchange contradictions of capitalism. K. Chizhov. Fin. SSSR 39 no. 5:79-85 My '65.

Structure of state capitalism in the transition period. E. Ufereva. Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3:63-68 '65.

## CAPITALISM—CONGRESSES

New phenomena in modern capitalism. V. Shramel'shchik. Mir ekon. i mezhdunar. otn. no. 6:134-139 '65.

## CAPOETOBRAHA see subdivision under Uch-Kizil Reservoir

## CAR WHEELS

What causes the displacement of wheels and ways of its prevention. F.A. Bogdanov, N.I. Martynov. Zhel. dor. transp. 47 no. 3:57-60 Mr '65.

## CARBAMIC ACID

Polarographic determination of zinc in grape leaves. G.F. Vytezhanina. Khim. v sel. khoz. 3 no. 3:37-38 Mr '65.

Sulfanilides. Part 20. Ethyl esters of N-arylsulfonyl-N-arylcabamic acid. Z.F. Solomko and others. Zhur. org. khim. 1 no. 1:121-124 Ja '65.

## CARBENES

Advances in the chemistry of carbenes. G.G. Rozantsev, A.A. Faizil'berg, S.S. Novikov. Usp. khim. 34 no. 2:177-218 F '65.

Comparative study of various methods of preparation of dichlorocarbene. O.M. Nefedov, R.N. Shafran. Izv. AN SSSR, Ser. khim. no. 3:538-541 '65.

## CARBIDES—TESTING

Preparation and investigation of the physical properties of solid solutions of Ti, Zr, Nb, Ta carbides with the Hf carbide. G.V. Samsonov, V.N. Faderno. Izv. AN SSSR, Met. no. 1:180-188 Ja-F '65.

## CARBIDES—THERMODYNAMICS

Investigating the thermodynamics of the formation of mixed iron-chromium carbides of the type (Fe<sub>x</sub>Cr<sub>1-x</sub>)<sub>23</sub>C<sub>6</sub>. V.I. Alekseev, L.A. Shvartman. Izv. AN SSSR, Met. no. 1:173-179 Ja-F '65.

## CARBOHYDRATE METABOLISM

Comparison of changes in carbohydrate metabolism and oxygen regimen of the liver in traumatic shock and stable hypotension. R.L. Gogolova, S.A. Seleznev. Biol. eksp. biol. med. 50 no. 4:33-38 Ap '65.

## CARBOHYDRATE METABOLISM (Continued)

Effect of estrogens and calcium ions on the state of the actomyosin system and carbohydrate-phosphorus metabolism in the uterus N S Bakshiev, E T Mikhailenko Akush i gin 40 no 5 29-34 S-O '64

Effect of  $\gamma$ -aminobutyric acid on some aspects of the carbohydrate metabolism in the brain and liver of the chick embryo R R Nerseisyan Izv AN Arm SSR Biol nauki 18 no 3 21-26 Mr '65

Effect of phosphorus organic insecticides on the carbohydrate metabolism in pine needles, preliminary report I I Puchkova Khim v sel' khoz 3 no 3 34-37 Mr '65

Endocrine function of the pancreas in peptic ulcer and chronic gastritis based on the indices of carbohydrate metabolism P V Smoligovets Sov med 28 no 5, 71-75 My '65

Nitrogen and carbohydrate metabolism under various conditions of water supply in the leaves of different wheat varieties, S M Akhmedova Dokl AN Azerb. SSR 21 no 1 51-54 '65

Shifts in carbohydrate metabolism of the brain following extirpation of superior cervical sympathetic ganglia, E E Mkhiesan Izv. AN Arm. SSR, Biol. nauki 18 no. 4 9-15 Ap '65.

## CARBOHYDRATES

Biochemical changes in the carbohydrates of potato tubers during storage and their effect on the quality of dried potato and potato crisps A S Lobanova, M Z Pokrovskaya Kons i ov prom 20 no 5 16-19 My '65

Colorimetric method for determining unfermented carbohydrates in fermented beer S V Solov'eva, Perm, i spirit prom. 31 no. 1 38-39 '65

## CARBON

Effect of carbon source in the medium on amino acid synthesis by yeasts, A. P. Krut'chova, G. I. Vorob'eva, L. M. Bobyr', Prikl. biokhim. i mikrobiol. 1 no 1 78-82 Ja-F '65.

Kinetics of the dissolution of carbon in liquid iron, A. A. Vertman, A. M. Samarin Izv AN SSSR, Met. no 1 46-54 Ja-F '65

## CARBON DIOXIDE

Conversion of natural gas with carbon dioxide S. A. Sigov, U. A. Abdullaeva Uzb khim zhur 8 no 5 67-73 '64

Investigating the absorption process of the microconcentrations of carbon dioxide by caustic soda solutions in a packed tower at increased pressures V V. Voronin, Trudy MIKHM 26 74-77 '64

Utilization of carbon dioxide in the Smirnovol' Biwelay, N. P. Shcherbakov, Perm i spirit prom. 31 no. 3 37-38 '65

## CARBON DIOXIDE—PHYSIOLOGICAL EFFECT

Age-related characteristics of the sensitivity of vascular chemoreceptors to the effect of CO<sub>2</sub> and acetylcholine, I. V. Shchegoleva, Vop. geron. i geriat. 4:60-62 '65.

## CARBON ISOTOPES

Aftereffect of temperature on the metabolism of carbon (C<sup>14</sup>) in Chlorella pyrenoidosa Chick T A Gigaoleva, N. S. Mamushina, O. V. Zafenski, Bot zhur. 50 no. 4 461-472 Ap '65.

Studying the synthesis of organic compounds from CO and H<sub>2</sub> using tagged ethyl alcohol IU B Kriukov and others Neftekhimika 5 no 1 62-67 Ja-F '65

## CARBON ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of C<sup>14</sup> on the embryonic and early postembryonic development of Coregonus palei (Gmel.) G. V. Fedorova, Nauch. dokl. vyz. shkoly; biol. nauki no. 2; 84-87 '65.

## CARBON MONOXIDE—SPECTRA

Infrared spectra of carbon monoxide adsorbed on ruthenium, rhodium, and palladium within a wide temperature range. N. N. Kavtaradze, N. P. Sokolova Dokl. AN SSSR 164 no 4 847-850 Je '65

## CARBON TETRACHLORIDE

Data of a histomorphological study of the liver in rats of various ages under the combined effect of carbon tetrachloride and hepatocytotoxic mitochondrial serum, S A Korol', G. A. Rodionov Pat. fiziol. i eksp terap. 9 no. 2 54-59 Mr-Apr '65

Radical polymerization of vinyl acetate and its telomerization with carbon tetrachloride at high pressures, V. M. Zhulin, M. G. Gonikberg, R. I. Bakova, Izv. AN SSSR, Ser. khim. no. 3 432-438 '65.

Reactions of carbon tetrachloride with unsaturated compounds in the presence of dicyclohexyl peroxycarbonate or oxidation-reduction systems E. TS. Chukovskaya, A. A. Kamysheva, R. Kh. Freidlina, Izv. AN SSSR, Ser. khim. no. 3 461-465 '65.

Telomerization of ethylene by carbon tetrachloride in the presence of redox systems, I. P. Lavrent'ev, F. K. Velichko, IU, F. Chizhov, Izv. AN SSSR, Ser. khim. no. 4 832-835 '65.

## CARBONIC ACID

Mechanism of the action of catalysts in the synthesis of polycarbonates by interfacial polycondensation G S Kolesnikov, El' Said Ali Khassan, O V Smirnova Vysohom soed 7 no. 1 129-131 Ja '65

## CARBONITRIDATION

Reaction products of phenylferrocene cyanation of phenyl ferrocene, A. N. Nesmelanov, E. G. Perevalova, L. P. Iur'eva, Izv. AN SSSR, Ser. khim. no. 5 907-909 '65.

## CARBONIUM COMPOUNDS

Carbonium ions in the reactions of oxidation of olefins by palladium chloride, I I. Molisev, M. N. Vargalikh, Izv. AN SSSR, Ser. khim. no 4 759-760 '65.

Isomerization and fragmentation of carbonium ions during sulfate alkylation B. V. Ioffe, B. V. Stollarov, Dokl AN SSSR 161 no 6 1339-1341 Ap '65

## CARBONYL COMPOUNDS

Catalytic action of amino acids and amines in reactions of carbonyl compounds, Part 16: Kinetics and mechanism of iodination of acetol phosphate in the presence of ethylenediamine, N. V. Volkova, E. A. Shilov, A. A. Iashnikov, Ukr khim. zhur. 31 no. 1 55-66 '65.

Reactions of complex aluminum acetylides with carbonyl compounds, V. V. Gavrilenko, L. L. Ivanov, L. I. Zakharkin, Zhur. ob khim. 35 no. 4 635-638 Ap '65.

## CARBONYL GROUP

Reduction of the keto group in 3-(carboxyacyl) indoles, A. N. Kost, V N Erakina, E. V. Vinogradova Zhur. org khim 1 no 1 129-133 Ja '65

## CARBOXYL COMPOUNDS

Investigating the reaction of pentaerythritol with carboxylate latexes A. V. Lisovenko, M. S. Monastyrskaya, S A Pavlov, Izv vyz. ucheb zav , tekhn. leg. prom. no 2 39-44 '65.

## CARCINOGENESIS

Correlation of some effects (tumor accelerating, carcinogenic and life-span shortening) under the influence of ionizing irradiation R V. Smirnov Med. rad. 9 no. 7 32-37 Ji '64.

Effect of extract taken from a mammary gland tumor on the folliculo-stimulating function of the hypophysis in rats I. O. Smirnova, V I Samoilov Biol eksp biol i med 59 no 4 92-94 Ap '65

## CARCINOGENS

Content of carcinogenic substances in smoke and smoked products, P. P. Dikun, Ryb khoz. 41 no 3 60-61 '65.

Effort to detect humoral antineoplastic antibodies in mice immune to isogenic sarcomas induced by methylcholanthrene, O M Lezhneva Biol eksp biol. i med 59 no. 4 90-91 Ap '65

Experimental cancer of the epididymis induced in white rats by carcinogenic hydrocarbons A G. Bobkov, Arkh. pat. 26 no. 12 18-26 '64

## CARD SYSTEM IN BUSINESS

Methods for developing a system of permanent card indexes in using electronic calculating machines for production management, G. V. Lagunov, Vop. stat i ucheta no 6 74-82 '62.

## CARDBOARD see Paperboard

## CARDIAC ANEURYSMS

Basis for diaphragmoplasty in experimental cardiac aneurysm, I. Z. Kozlov, K A. Gornak, Vest. khir. 93 no. 12 52-59 D '64.

## CARDIAC CATHETERIZATION

Use of the "sail" phenomenon in conducting the catheter through the chambers of the heart, V L. Evgrafov Trudy TSU 66 108-113 '64

## CARDIAC GLYCOSIDES

Cardiac glycosides from *Coronilla varia*, IU, M. Biléts'kyi Farmatsev. zhur. 19 no. 1 22-25 '64

Polarographic method for the quantitative determination of cardiac glycosides N. E. Vorob'ev, N. P. Dziuba, Farmatsev. zhur. 19 no 1 18-22 '64

Ragweed *Senecio platyphylus* and the alkaloid sarcasin, D. O. Muraviova, Farmatsev. zhur. 19 no 1 26-32 '64

Study on the production of thicures from glycoside-containing plant material using ultrasonics II, A. Vaisman and others Farmatsev. zhur. 19 no. 1 44-49 '64.

## CARDING MACHINES

Equalizing action of carding machines, IU, A. Baturin, Izv. vyz. ucheb. zav.; tekhn. tekst. prom. no. 1 50-57 '65.

Equalizing and mixing capacity of the roller carding machine, I. Kh. Buturovich, Izv. vyz. ucheb. zav , tekhn. tekst. prom. no. 2 71-76 '65.

Equation of the changes in weight by length unit and composition of the carding in a roller carder, I. Kh. Buturovich, Izv. vyz. ucheb. zav.; tekhn. tekst. prom. no. 1 58-62 '65.

Grinding of card clothing of the take-in card cylinder, S T Kilhanov, Tekst prom 25 no 3 31-37 Mr '65

Ways to reduce the load on the cylinder and flats of the carder in the increase of its operative capacity I G. Dolzanov Izv vyz. ucheb zav , tekhn. tekst. prom. no 2 55-60 '65

## CARDING MACHINES—ELECTRIC DRIVING

Electric driving of carding machines, G. V. Iakichev, Tekst prom 25 no 3 72-74 Mr '65

## CARDIOGRAPHY

Contractile capacity of the myocardium in primary and recurrent rheumatic carditis based on polycentric diaphragmic and dynamocardiographic data V. F. Kulyshkin, A. B. Korolenko Sov med. 28 no 1 35-41 Ja '65

Ultrasonic cardiology M. N. Tumanovskii, V. IA. Garmash Sov med 28 no 5 29-33 My '65.

## CARDIOVASCULAR SYSTEM

Cardiovascular changes under the influence of amino-thiols, a review of literature L I Tank, V I. Kurnel'sov Med. rad 9 no 7 56-66 Ji '61

Effect of submerged lavage of the large intestine with TSKhaltubo mineral water on the cardiovascular system under normal and pathological conditions I G Ugulava, Soob AN Gruz. SSR 29 no 1 115-120 Ji '62

## CARDIOVASCULAR SYSTEM—AGING

Some characteristics of cardiovascular reactions in experimental hypertension in old animals, N. P. Stroganova, Vop. geron. i geriat. 4:67-72 '65.

## CARDIOVASCULAR SYSTEM—DISEASES

"Aging of the population and the prevalence of cardiovascular diseases, N. N. Sachuk, Vop. geron. i geriat. 4:5-14 '65.

Characteristics of the manifestation and course of some diseases of the cardiovascular system in very old persons, G. N. Sichlavya, Vop. geron. i geriat. 4:176-179 '65.

Effect of the character of work on lesions of the cardiovascular system in persons of 80 years of age and older, E. I. Stezhenskii, Vop. geron. i geriat. 4:166-172 '65.

Intubation anesthesia in cesarean section in women with severe cardiovascular pathology, K M Federmesser, E A Leparskii, Akush. i gin 40 no 5 17-22 S-O '64

State of the cardiovascular system in tuberculous patients of elderly and senile age, L. I. Zhukovskii, K. B. Korchagina, Vop. geron. i geriat. 1:240-244 '65.

## CARENE

Isomerization of  $\alpha$ -pinene and  $\Delta^3$ -carene oxides with lithium diethylamine, D. A. Arbuzov, Z. G. Isayeva, I. S. Andreeva, Izv. AN SSSR, Ser. khim. no. 5 838-843 '65.

Oxidation of  $\Delta^3$ -carene by mercury acetate, Z. G. Isayeva and others, Izv. AN SSSR, Ser. khim. no. 3 466-475 '65.

Oxidation of  $\Delta^3$ -carene by selenious acid, Z. G. Isayeva, B. A. Arbuzov, V. V. Ratnov, Izv. AN SSSR, Ser. khim. no. 3 175-185 '65.

Structure of (-) alcohol from the reaction of  $\Delta^3$ -carene oxidation in the presence of ethionic anhydride, B. A. Arbuzov, Z. G. Isayeva, M. G. Chubaidullin, Izv. AN SSSR, Ser. khim. no. 4 870-884 '65.

## CARICATURE

Sternin, G. IU, [Sketches on Russian satirical graphic arts] Ocherki russkoi satiricheskoi grafiki. Moskva, Iekusstov, 1964. 333 p. illus. (NIC)

## CARNIVORA—ANATOMY

Characteristics of the obliteration of cranial sutures in mammals Report No. 1 Carnivora B. A. Nikituk, A A. Chernomordik, Zool zhur 44 no. 2 241-252 '65

## CARNOSINE

Significance of the summation process for the development of carnosine effect on the skeletal muscle in fatigue, M. A. Kamenskaya, M. V. Kirzon, Nauch. dokl. vyz. shkoly, biol. nauki no. 2 43-48 '65.

## CAROTENE

Ascorbic acid and carotene content in cotton varieties differing in their ripening time L. A. Pollanskaya, Izv. AN Turk. SSR, Ser. biol. nauk no 1 3-8 '65.

Carotene content in hay harvested under different soil and climate conditions of Azerbaijan, D. I. Muganlinskaya, Dokl. AN Azerb. SSR 21 no. 2 63-66 '65

## CAROTENOIDS

Accumulation of carotenoids by *Rhodotorula yeast* in some culture media A. S. Vechev and others, Izv vyz. ucheb. zav., pishch. tekhn. no. 2 45-48 '65.

Determining the coloring substances in millet, E. P. Popova, Izv vyz. ucheb. zav.; pishch. tekhn no. 2 180-182 '65.

**CAROTID ARTERY—ABNORMALITIES AND DEFORMITIES**

Pathological kinking of the carotid artery and its significance in disorders of cerebral blood circulation. R. O. Garagafarian. Zhur. nevr. i psikh. 65 no. 4:489-495 '65

**CAROTID ARTERY—DISEASES**

Clinical aspects in combined lesions of the carotid and vertebral-basilar arterial systems. Z. N. Dracheva. Zhur. nevr. i psikh. 65 no. 4:486-501 '65.

Diagnosis of the occlusion of the carotid artery. V. K. Kamenetski. Zhur. nevr. i psikh. 65 no. 4:502-507 '65

Lesion of the extracranial portion of the carotid arteries and encephalomalacia. I. G. Liodkovskaya. Zhur. nevr. i psikh. 65 no. 1:481-488 '65.

Tumor of the vagus nerve adhering to the common carotid artery. L. A. Kasatkina. Vest. khir. 94 no. 2: 103 F '65.

**CAROTID ARTERY—SURGERY**

Histological changes following replacement of arteries by larynx prosthesis. A. A. Kurygin, A. D. Smirnov Arkh pat 26 no. 12:45-51 '64

**CAROTID SINUS**

Novocaine block of the reflexogenic carotid sinus zone. V. M. Lyskovtseva. Voen.-med. zhur. no. 11:76-77 '64.

CARP see subdivision under Turkmenistan; Ukraine

**CARP—FEED UTILIZATION EFFICIENCY**

Utilization of feeds by carp under natural conditions. T. V. Kozadzeva. Trudy mol. uch. UASHN no. 8:85-89 '63.

**CARPATIAN MOUNTAIN REGION—KAINITE—****ANALYSE**

Bromine concentration in kainite from the potassium deposits of the Carpathian Mountain region. P. M. Bilonizhka. Min. sbor. 18 no. 2:210-214 '64.

**CARPATIAN MOUNTAIN REGION—LUMBER—****TRANSPORTATION**

Belala, N. M., and A. G. Prokhorenko. [Cableways for lumber transportation] Kanaatnye lesotransportnye ustanovki. Moskva, Lesnaya promyshlennost', 1964. 298 p.

**CARPATIAN MOUNTAIN REGION—MOLES (ANIMALS)**

New form of mole of the Ukrainian Carpathians. H. F. Senyk. Dop. AN URSSR no. 5:674-676 '63

**CARPATIAN MOUNTAIN REGION—OIL WELL DRILLING**

Core sampling in areas of the Carpathian Mountain region. T. M. Bodnaruk, V. I. Mandrus, N. I. Markhuniak. Burenie no. 9:5-6 '64

**CARPATIAN MOUNTAIN REGION—OIL WELL DRILLING FLUIDS**

Using hydrolyzed polyacrylamide to stabilize clay muds. U. L. Skalskaia and others. Burenie no. 7:18-20 '64

**CARPATIAN MOUNTAIN REGION—PICROMERITE**

Schoenite crystals from potassium deposits in the Carpathian Mountain region. V. V. Malushevskii, P. M. Bilonizhka. Min. sbor. 18 no. 1:98-104 '64.

**CARPATIAN MOUNTAINS—BOTANY**

Phytogeographical excursion into the Ukrainian Carpathians. A. I. Tolmachev, L. I. Ivanina. Bot. zhur. 50 no. 3:451-455 Mr '65.

**CARPATIAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC**

New data on the stratigraphy of Upper Cretaceous sediments in the Chernogorsk zone of the Eastern Carpathians. N. I. Maslakova. Vest. Mosk. un. Ser. 4: Geol. 20 no. 2:13-20 Mr-Apr '65.

**CARPATIAN MOUNTAINS—GEOMORPHOLOGY**

Reflection of tectonic structures in the ravine-gully system of the cis-Carpathian region. M. S. Kozhurina, I. A. R. Dorfman. Geog. sbor. L'vov. otd. Geog. ob-va SSSR no. 8:108-113 '64.

Some problems in the morphogenesis of the Ukrainian Carpathians. P. N. Tsyts', Geog. sbor. L'vov. otd. Geog. ob-va SSSR no. 8:73-84 '64.

**CARPATIAN MOUNTAINS—LANDFORMS**

History of the economic development of landforms in the Stryisko-Sanskaya Vorkhovina. S. V. Trokhimchuk. Geog. sbor. L'vov. otd. Geog. ob-va SSSR no. 8:45-48 '64.

**CARPATIAN MOUNTAINS—PETROLOGY**

Lithology of Cretaceous sediments in the Czywczynski Crystalline Shield (Eastern Carpathians). V. G. Chernov. Vest. Mosk. un. Ser. 4: Geol. 20 no. 2:48-54 Mr-Apr '65.

**CARPATIAN MOUNTAINS—ROCKS, CARBONATE**

Mineralogy of the carbonate formations of Upper Eocene flysch in the Soviet Carpathians. M. P. Gabinet. Min. sbor. 18 no. 1:104-107 '64.

CARPATHO-UKRAINE see Transcarpathia

**CARPENTRY—STUDY AND TEACHING**

Articles made of wood. L. P. Antonov. Shkola i protiv. 8 no. 5:55-60 My '65.

**CARPENTRY—TOOLS**

How to lengthen the service time of a joiner's bench. M. M. Riazantsev. Shkola i protiv. 9 no. 5:72 My '65

CARPET AND RUG INDUSTRY see Rug and carpet industry

**CARTILAGE—DISEASES**

Systemic chondromalacia. R. Mašek. Arkh. pat. 26 no. 12:58-62 '64

**CARTOGRAPHY**

Concerning the use of aerial photographs in drawing rocks. N. N. Loslakov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:104-105 '64.

Geographical distribution of rural population in the Georgian S. S. R. A. F. Aslanikashvili. Trudy Inst. geog. AN Gruz. SSR. 20:161-173 '64.

CARVING (ART INDUSTRIES) see subdivision under Bukhara

**CASEIN**

Susceptibility of casein fractions to the action of proteolytic enzymes. P. F. D'achenko, I. A. Zhdanovna. Prikl. biokhim. i mikrobiol. 1 no. 1:49-51 Ja-F '65.

**CASH REGISTERS**

Use cash registers correctly. N. Solianova. Sov. torg. 38 no. 5:58-61 My '65.

**CASPIAN LOWLAND—GEOLOGY, STRUCTURAL**

Basic characteristics of the structure of the eastern and southeastern margins of the Caspian Lowland based on subsalt sediments. P. I. Avrov and others. Geotektonika no. 1:116-125 Ja-F '65

**CASPIAN LOWLAND—OIL WELL DRILLING**

Drilling a deep well in salt-bearing sediments. N. P. Grebennikov, V. I. Vedenin. Burenie no. 1:13-17 '64.

**CASPIAN LOWLAND—OIL WELL DRILLING FLUIDS**

Effect of the chemical composition of the salts composing a section of a well on the quality of the drilling fluid. N. I. Drobyshchinskaya, N. B. Murav'eva. Burenie no. 6:8-10 '64.

Using an emulsion clay mud in the development of salt formations. G. A. Givlich, N. B. Murav'eva. Burenie no. 8:12-11 '64

**CASPIAN LOWLAND—SALT DOMES**

Structural relations between salt domes in the Caspian Lowland as revealed by a study of the family of the Sankeby-Kruglyy salt dome. L. F. Volchegurskii, V. S. Zhuravlev. Geotektonika no. 2:94-105 Mr-Apr '65.

**CASPIAN LOWLAND—SOILS—POTASSIUM CONTENT**

Exchangeable potassium in soils of dry steppes and methods for its determination. D. V. Fedorovskii, N. P. Kashina. Agrokhimika no. 2:45-56 F '65.

**CASPIAN LOWLAND—VOLCANIC ASH, TUFF, ETC.**

Pyroclastic rocks in the Cretaceous sediments of the Caspian Lowland. S. N. Koltypin, V. S. Safonova. Dokl. AN SSSR 161 no. 6:1416-1418 Ap '65.

**CASPIAN SEA—DIATOMS**

Characteristics of the diatom flora of the plankton of the Black, Azov, and Caspian Seas. I. V. Makareva. Bot. zhur. 50 no. 4:498-502 Ap '65.

**CASPIAN SEA—FERRIES**

What the first work results of the Caspian ferries show. N. Vintskii. Mor. flot. 25 no. 5:17-18 My '65.

**CASPIAN SEA—FISHING**

Work of the crews on "Kaspiyba" demonstration ships. P. Marochkin. Ryb. khoz. 41 no. 4:78 '65.

**CASPIAN SEA—OCEANOGRAPHIC RESEARCH**

Story of the research of the Caspian Sea and its level in the Middle Ages. N. G. Komarova. Izv. AN Turk. SSR. Ser. biol. nauk no. 2:86-89 '65.

**CASPIAN SEA—PNEUMOCOCCUS**

Diplococcal diseases of Caspian seals. A. F. Vylegzhanin. Ryb. khoz. 41 no. 4:23-24 '65.

**CASPIAN SEA—SEA LEVEL**

Story of the research of the Caspian Sea and its level in the Middle Ages. N. G. Komarova. Izv. AN Turk. SSR. Ser. biol. nauk no. 2:86-89 '65

**CASPIAN SEA—SEALS (ANIMALS)—DISEASES AND****PESTS**

Diplococcal diseases of Caspian seals. A. F. Vylegzhanin. Ryb. khoz. 41 no. 4:23-24 '65

**CASPIAN SEA—WATER, UNDERGROUND**

Subsurface drainage into the Caspian Sea and the seepage of its waters to the bottom and coasts. Kh. K. Ulanov. Dokl. AN SSSR 162 no. 1:166-168 My '65.

**CASPIAN SEA REGION—GLEDITSIA**

Gleditsia caspica Desf. I. S. Safarov. Bot. zhur. 50 no. 4:543-546 Ap '65.

**CASPIAN SEA REGION—REVOLUTION, 1917-1921**

A British colonel covers up the tracks; apropos of S. Ellis' book "The Transcasian episode, 1918-1919." A. M. Matveev. Ist. SSSR 9 no. 1:183-194 Ja-F '65

**CAST IRON**

Production of graphite and electrolytic iron in the anodic dissolution of cast iron. R. I. Agladze, T. I. Lezhava. Soob. AN Gruz. SSR. 20 no. 1:39-44 Ji '62

Use of intermediate products in the making of electric steel. V. S. Galian and others. Metallurg. 10 no. 3:11-18 Mr '65

**CAST IRON—HEAT TREATMENT**

Heat treatment of high-strength cast iron. T. Ol'tselanin. Prom. Aiz. 8 no. 3:26-28 Mr '65

**CAST IRON—METALLOGRAPHY**

Effect of nitrogen on the formation of a chill layer and a transition zone in gray cast iron. L. I. Levi, Pratsap Sh. Paltikhal. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:168-172 '65.

Form of graphite in cast iron treated with rare-earth metals. N. A. Sidorov. Lit. prozv. no. 6:22-23 Je '64.

Investigating the crystallization of the liquid phase of aluminum cast iron. I. G. Bobro, I. A. Tananko. Lit. prozv. no. 6:24-26 Je '64

**CAST IRON—METALLURGY**

Casting cast iron in metallic and semimetallic molds. A. D. Parshin. Trudy Oren. set. khoz. inst. 14:72-75 '63.

Economical charge for high-strength cast iron. A. G. Miroshnichenko. Lit. prozv. no. 6:36 Je '64

Mechanism of the remodification of graphite in cast iron. M. H. Rudenko, A. A. Gorshkov. Dop. AN URSSR no. 4:469-473 '65.

Some characteristics of magnesium cast iron production. L. I. Fantalov, V. M. Pozdnyshov. Lit. prozv. no. 6:26-27 Je '64

**CAST IRON—TESTING**

Airtightness of gray cast iron for casting hydraulic system parts. A. I. Smirnov, A. A. Sotnikov. Lit. prozv. no. 6:27-29 Je '64.

Investigating the wear resistance of sulfur-containing cast irons. A. I. Smirnov, E. P. Brovskina. Izv. vys. ucheb. zav.; mashinost. no. 2:154-161 '65.

**CAST IRON, EFFECT OF RADIATION ON**

Heat effect in gray cast iron during annealing following irradiation by gamma rays. B. F. Silasov, A. M. Shaliev. Fiz. met. i metalloved. 19 no. 4:636-637 Ap '65.

CAST STONE see Stone, Cast

CASTING, CONTINUOUS see Continuous casting

**CASTLES—MODULAR DESIGN**

see subdivision under Baku

**CASTOR BEAN—DRYING**

Moisture distribution in the seed mass of the castor bean during in-bulk drying with heated air. V. M. Kopylovskii and others. Maslozhir. prom. 31 no. 3:5-7 Mr '65

**CATALOGING**

Moscow. Publichnaia biblioteka. Otdel katalogizatsii i alfavitnykh katalogov. [Instructions for cataloging books published in the languages of the peoples of the U. S. S. R.] Instruktatsia po opisaniiu knig naazykakh narodov SSSR. Moskva, 1963. 194 p.

**CATALYSIS**

Catalytic action of amino acids and amines. Part 11. Kinetics of enolization of acetone in the presence of amino acids of various structure. I. V. Mel'ntchenko, E. A. Shalov, A. A. Lashnikov. Ukr. khim. zhur. 30 no. 6:589-608 '64.

Catalytic decomposition of hypophosphites. Part 3. Effect of catalytically inactive additions. A. Lunecskas. Trudy AN Litv. SSR. Ser. B no. 3:73-80 '64.

Catalytic properties of zirconium phosphate. A. A. Balandin and others. Dokl. AN SSSR 161 no. 4:661-662 Ap '65.

Chain mechanism of heterogeneous catalysis. M. V. Tovylin, S. M. Karal'nik. Ukr. khim. zhur. 30 no. 6:575-577 '64.



## CATALYSIS (Continued)

- Chromatographic effects during the optimization of catalytic reactors. S. Z. Roginskii, A. L. Rozental'. Dokl. AN SSSR 162 no. 3 621-624 My '65.
- Design of catalytic reactors with internal heat transfer. I. A. Sokolinskiy. Trudy MKHM 26 161-173 '64.
- Effect of concentration and nature of supporting electrolyte cations on polarographic catalytic hydrogen waves generated by pyridine in nonbuffer solutions. M. K. Poluektov, S. G. Mairanovskiy. Izv. AN SSSR Ser. Khim. no. 3 113-119 '65.
- Effect of hardened surface of homogeneous and heterogeneous oxidative processes. P. M. Stadnik. Ukr. khim. zhur. 31 no. 1-3-11 '65.
- Electroanalysis method of investigating the homogeneous catalytic system  $(C_2H_5)_2TiCl_2 + Al(C_2H_5)_3Cl$ . I. S. D'achovskiy. Vysokom. soed. 7 no. 1-114-115 Ja '65.
- Faradic impedance of reversible catalytic processes. Part 1. B. I. Khalilov, I. A. M. Zolotovitskii, G. A. Tedoradze. Elektrokhemiya 1 no. 1-23-30 Ja '65.
- Inhibited heterogeneous catalytic reactions. I. A. T. Eidus, N. I. Ershov. Dokl. AN SSSR 162 no. 3 610-612 My '65.
- Obtaining higher  $\alpha$ -olefins of normal structure by the catalytic conversion of paraffins. M. A. Kaliko and others. Neftekhimiya 5 no. 1 24-32 Ja-F '65.
- Polarographic study of the catalytic decomposition of hydrogen peroxide in homogeneous alcohol-aqueous solutions. Kh. M. Khanamiryan. Izv. AN Arm. SSR. Khim. nauki 16 no. 1 6-9 '65.
- Possibility of acid-basic catalysis of radical reactions. A. A. Modzhidov, A. L. Buchachenko, M. B. Neiman. Dokl. AN SSSR 161 no. 4 878-881 Ap '65.
- Solid phase anionic polymerization of acrylonitrile. A. A. Berlin, E. V. Kochetov, N. S. Entolopian. Vysokom. soed. 7 no. 1 187 Ja '65.

## CATALYSTS

- Catalytic conversions of high-molecular weight paraffins. Report No. 2: Isomerization of n-octadecane in the presence of  $WS_2$  and  $WS_2$ /aluminosilicates industrial catalysts. Kh. I. A. Orlov, A. A. Martynov, V. P. Bulchev. Izv. AN SSSR, Ser. khim. no. 5 782-786 '65.

## CATALYTIC HYDROGENATION OF QUINONES IN THE PRESENCE OF Pt, Pd, AND Rh CATALYSTS

- M. L. Khidekel' and others. Izv. AN SSSR, Ser. khim. no. 3 542-543 '65.

## CATALYTIC SYNTHESIS OF HIGH-MOLECULAR HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN IN THE PRESENCE OF CoMoO-Kieselguhr Catalysts Promoted by Zirconium Dioxide or Titanium

- I. A. T. Eidus and others. Neftekhimiya 5 no. 1 68-75 Ja-F '65.

## DIMERIZATION OF ETHYLENE ON NICKEL AND COBALT CATALYSTS

- I. I. Pis'man, M. A. Dalin, G. V. Vasil'kovskaya. Azerb. khim. zhur. no. 3 69-74 '64.

## HYDROGENATION OF SOY-BEAN OIL ON A NICKEL-FOAMATE CATALYST

- N. K. Nadirov, V. I. Komarov. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 107-110 '65.

## KINETICS OF THE FORMATION OF COKE ON VARIOUS TYPES OF CATALYSTS

- B. F. Morozov, M. E. Levintev, G. M. Panchenkov. Izv. vys. ucheb. zav. nef. i gaz. 8 no. 3 55-60 '65.

## MECHANISM OF THE ACTION OF CATALYSTS IN THE SYNTHESIS OF POLYCARBONATES BY INTERFACIAL POLYCONDENSATION

- G. S. Kolesnikov, E. I. Said Ali Khassan, O. V. Smirnova. Vysokom. soed. 7 no. 1 129-13 Ja '65.

## MODIFICATION OF THE ZIEGLER-NATTA CATALYSTS IN THE POLYMERIZATION OF OLEFINS

- G. A. Razuvayev and others. Vysokom. soed. 7 no. 1 39-44 Ja '65.

## POLYMERIZATION OF DEUTEROETHYLENE ON THE HOMOGENEOUS CATALYTIC SYSTEM $(C_2H_5)_2TiCl_2 + TiCl_4 + Al(CH_3)_3Cl$

- E. A. Grigorian, F. S. D'achkovskiy, A. E. Shulov. Vysokom. soed. 7 no. 1 145-149 Ja '65.

## STEREOCHEMICAL APPROACH TO THE STUDY OF THE GEOMETRY OF THE ACTIVE SURFACE OF CATALYSTS

- E. I. Khabunovskii, A. A. Balandin, R. I. Mamedzade. Dokl. AN SSSR 162 no. 4 853-856 Je '65.

## STUDY OF NITROGEN FIXATION ON COMPLEX CATALYSTS BY MEANS OF $N_2$

- M. E. Vol'pin, V. B. Shur, L. F. Bichin. Izv. AN SSSR, Ser. khim. no. 4 720-721 '65.

## CATALYSTS, IRON

- Kinetics of the synthesis of higher alcohols from CO and  $H_2$  on a fused iron catalyst. I. U. B. Kagan and others. Neftekhimiya 5 no. 1 82-88 Ja-F '65.

## CATAPHORESIS see Electrophoresis

## CATARACT

- Pathology of irradiation cataracts. G. G. Karabai. Azerb. med. zhur. 42 no. 1 33-38 Ja '65.

- Rabinovich, M. G. [Cataract Katarakta. Moskva, Meditsina, 1965. 170 p. (Biblioteka prakticheskogo vracha) (DNLM)]

## CATATONIA

- Correlation between the characteristics of the clinical picture and the immunobiological indices of the reactivity of the organism in the catatonic form of schizophrenia. G. M. Kurapova. Vop. klin. patol. i lech. shiz. no. 1181-84 '64.

- Problem of early diagnosis of chronic schizophrenia. Morozova. Vop. klin. patol. i lech. shiz. no. 1 102-104 '64.

## CATERPILLARS

- New fixator for caterpillars. O. I. Merzhnevskaya. Zool. zhur. 44 no. 2 299-300 '65.

## CATHEDRAIS see subdivision under Echmtdzin region (Armenia)

## CATHEPSIN

- Effect of chloroprene on the catheptic activity. V. G. Mkhitarian, S. A. Astvatsatyan. Izv. AN Arm. SSR. Biol. nauki 18 no. 1 79-84 Ja '65.

## CATHODE RAY TUBES

- Elgenbiot, V. M. [Use of electron-beam tubes in multiple-point control] Primenenie elektronno-luchevykh trubok dlia mnogotochechnogo kontrolya. Moskva, Energiya, 1965. 94 p. (Biblioteka po avtomatike, no. 135)

## CATHODE RAY TUBES—PATENTS

- Kozlov, V. S. [Black and white electron-beam tubes and external auxiliary devices] Chernobelye elektronoluchevye trubki i vnesheie vopomogatel'nye ustroystva. Moskva, Tsentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekonom. issl., 1964. 40 p. (Obzori inostrannykh patentov)

## CATHODES

- Study of the operation of pressed cathodes under gas discharge conditions. E. T. Kucherenko, I. A. Lavrovskii. Radiotekh. i elektron. 10 no. 4 741-740 Ap '65.

## CATHODIC PROTECTION

- Electrochemical behavior of metals in agitated neutral electrolytes. I. L. Rozenfeld, O. I. Vashkov. Zashch. met. 1 no. 1 70-76 Ja-F '65.

## CATHOLIC CHURCH—RELATIONS—ORTHODOX EASTERN CHURCH

- Message from Pope Paul VI to His Holiness Patriarch Alexei. Zhur. Mosk. Pat. no. 5 3-4 '65.

## CATION-EXCHANGING COMPOUNDS see Base-exchanging compounds

## CATTLE see subdivision under West Kazakhstan Province

## CATTLE—DISEASES AND PESTS (see also subdivision under White Russia)

- A new species of Coccidia of cattle. V. R. Hobrem. Vestn. AN BSSR, Ser. sel'sk. nav. no. 1 130-13 '65.

## CATTLE—FEEDING AND FEEDS

- (see also subdivision under Romodanovo District; Taldykurgan, Kazakhstan; Ural'sk Province)

- Dynamic model of cattle fattening. I. Morozov. Ekono. sel'khoz. 40 no. 4 48-57 Ap '65.

- Improve cattle's dressed weight. I. Mampel', N. Ralekii. Zakup. sel'khoz. prod. no. 3 33-35 Mr '65.

- Justified and expedient. A. Polunin. Zakup. sel'khoz. prod. no. 3 21-23 Mr '65.

## CATTLE—PARASITES see Parasites—Cattle

## CATTLE BREEDING

- (see also subdivision under Ukraine)

- High productivity of cattle. D. Drevlyanskaya. Inform. biul. VDNK no. 4 26 Ap '65.

## CATTLE TRADE

- Improve cattle's dressed weight. I. Mampel', N. Ralekii. Zakup. sel'khoz. prod. no. 3 33-35 Mr '65.

## CATTLE TRADE—ACCOUNTING see subdivision under Vilnius

## CAUCASUS—ALLOCLASE

- Alloclase from the Southern Dzharkhan iron ore deposit (Azerbaijan S. S. R.). S. S. Borishanskaya, O. A. Krutov, A. I. Makhmudov. Dokl. AN SSSR 161 no. 5 1181-1183 Ap '65.

## CAUCASUS—AZERBAIJANI

- Karakashly, K. T. [Material culture of the Azerbaijani of the northeastern and central zones of the Lesser Caucasus; an historical and ethnographical study] Material'naya kul'tura azerbaidzhansev Severo-vostochnoi i Tsentral'noi zon Malogo Kavkaza, istoriko-etnograficheskoe issledovanie. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 282 p.

## CAUCASUS—BOTANY

- Herbarium of Marschall von Bieberstein. L. A. Smol'taninova. Bot. zhur. 50 no. 4 564-565 Ap '65.

## CAUCASUS—DAGGERS

- Several Iranian daggers in the Caucasus. M. N. Pogrebkova. Krat. soob. Inst. arkeol. no. 103 11-18 '65.

## CAUCASUS—DOUGLAS FIR

- Sensitivity of Nordmann's fir and Douglas fir to 2, 4-D. M. V. Shashkova. Sbor. rab. po les. khoz. no. 46 269-273 '65.

## CAUCASUS—FIR

- Sensitivity of Nordmann's fir and Douglas Fir to 2, 4-D. M. V. Shashkova. Sbor. rab. po les. khoz. no. 46 269-273 '65.

## CAUCASUS—GAS, NATURAL—GEOLOGY

- Eruption of the Ayrantekyan and mud volcano. A. A. Iakubov, F. G. Dadashov, F. S. Magerramova. Dokl. AN Azerb. SSR 21 no. 2 33-38 '65.

## CAUCASUS—GEOLOGICAL TIME

- Age of the gabbroid Chaykend Massif (Sevan-Akera zone in the Lesser Caucasus). A. L. Knipper. Dokl. AN SSSR 162 no. 2 408-410 My '65.

- Age of the volcanic sedimentary formation of the northern margin in the Nuzger Plateau. T. A. Gasanov, M. R. Abdulkasumzade. Dokl. AN Azerb. SSR 21 no. 1 24-27 '65.

## CAUCASUS—GEOLOGY, STRATIGRAPHIC

- Khalilov, A. G. [Stratigraphy of Lower Cretaceous sediments in the southeastern extremity of the Greater Caucasus] Stratigrafiya nizhnemelovykh otlozhenii Iugo-Vostochnogo okonchaniia Bol'shogo Kavkaza. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 200 p.

## CAUCASUS—GEOLOGY, STRUCTURAL

- Characteristics of the formation of anticlines with serpentinite cores (Sevan-Akera zone of the Lesser Caucasus). A. L. Knipper. Biul. MOIP. Old. geol. 40 no. 2 46-58 Mr-Apr '65.

- Transverse uplifts in the western part of the southern slope of the main Caucasus Range. N. E. Astakhov. Trudy Inst. geog. AN Gruz. SSR 20 30-46 '64.

## CAUCASUS—GLACIERS

- Ablation and drainage on the Chalaatli Glacier in the summer of 1961. M. V. Chiklavandze. Trudy Inst. geog. AN Gruz. SSR 20 245-251 '64.

- Regime of the Chalaatli Glacier and the glacial rivers of Lekhzi and Chalaatli in the summer of 1961. R. G. Shengeliia. Trudy Inst. geog. AN Gruz. SSR 20 235-244 '64.

## CAUCASUS—MAGNETITE

- Magnetite crystals with a simple cubic lattice from the Dashkesan deposit. R. M. Ailev. Dokl. AN SSSR 162 no. 2 422-426 My '65.

## CAUCASUS—MINERALS

- Some new minerals from the Southern Dashkesan deposit. A. I. Makhmudov. Dokl. AN Azerb. SSR 21 no. 1 31-35 '65.

## CAUCASUS—MINING ENGINEERING

- Characteristics of mining the lower levels of the Yerikhty Zgid deposit. V. D. Makatov. Gor. zhur. no. 4 27-29 Ap '65.

## CAUCASUS—MUD VOLCANOES

- Eruption of the Ayrantekyan mud volcano. A. A. Iakubov, F. G. Dadashov, F. S. Magerramova. Dokl. AN Azerb. SSR 21 no. 2 33-38 '65.

## CAUCASUS—PETROLEUM GEOLOGY

- Eruption of the Ayrantekyan mud volcano. A. A. Iakubov, F. G. Dadashov, F. S. Magerramova. Dokl. AN Azerb. SSR 21 no. 2 33-38 '65.

## CAUCASUS—PLANE TREE

- Characteristics of growing plane-tree seedlings on the Black Sea coast of the Caucasus. O. T. Istratova. Sbor. rab. po les. khoz. no. 46 108-220 '63.

## CAUCASUS—RIVERS

- Regime of the Chalaatli Glacier and the glacial rivers of Lekhzi and Chalaatli in the summer of 1961. R. G. Shengeliia. Trudy Inst. geog. AN Gruz. SSR 20 235-244 '64.

## CAUCASUS—ROCKS, SEDIMENTARY

- Age of the volcanic sedimentary formation of the northern margin in the Nuzger Plateau. T. A. Gasanov, M. R. Abdulkasumzade. Dokl. AN Azerb. SSR 21 no. 1 24-27 '65.

## CAUCASUS—SERPENTINITES

- Characteristics of the formation of anticlines with serpentinite cores (Sevan-Akera zone of the Lesser Caucasus). A. L. Knipper. Biul. MOIP. Old. geol. 40 no. 2 46-58 Mr-Apr '65.

## CAUCASUS—VALLEYS

- Transverse uplifts in the western part of the southern slope of the main Caucasus Range. N. E. Astakhov. Trudy Inst. geog. AN Gruz. SSR 20 30-46 '64.

## CAUCASUS, NORTHERN—CHALCOPYRITE

- Redeposition of chalcopyrite in the pebbles of alluvial ores in the Urup deposit (Northern Caucasus). N. S. Skripchenko, N. A. Dobrorodnyi, A. S. Tambov. Dokl. AN SSSR 162 no. 2 425-427 My '65.

**CAUCASUS, NORTHERN—FAULTS (GEOLOGY)**

Hidden faults as revealed by a study in the platform mantle of central Caucasasia. B. G. Sokratov. Dokl. AN SSSR 161 no. 4, 915-918 Ap '65.

**CAUCASUS, NORTHERN—GAS, NATURAL—GEOLOGY**

Analysis of the observations of the variations of the undisturbed natural regime of the Paleogene water pressure system in central Caucasasia under the effect of the development of gas fields. V. N. Kortsenshtein. Dokl. AN SSSR 162 no. 2, 418-421 My '65.

**CAUCASUS, NORTHERN—GEOLOGY, STRATIGRAPHIC**

Concerning the correlation of volcanic-lavagenous formations of the Abshirya-Akhuba Ridge and the Bol'shoy Zelenchuk Valley (Northern Caucasus). M. I. Nikitina. Izv. vuz. ucheb. zav., geol. i razv. 7 no. 11, 18-31 N '64.

**CAUCASUS, NORTHERN—GRAPES—VARIETIES**

Lazarevskii, M. A., and A. M. Aliev. [Grape varieties in the Northern Caucasus, manual on testing and mass breeding] Sita vinograda na Severnom Kavkaze, posobie po aprobatsii i massovoi selektsii. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1965. 241 p. (DNAL)

**CAUCASUS, NORTHERN—HIGHWAY RESEARCH**

Water and heat conditions of the work of road structures in the steppes of Northern Caucasus. N. Ilev. Avt. dokl. 26 no. 3, 29-30 Mt '65.

**CAUCASUS, NORTHERN—LEAD ORES**

Distribution of lead-zinc mineralization areas adjacent to Sadon latitudinal structures. E. M. Tshikhova. Izv. vuz. ucheb. zav., geol. i razv. 7 no. 11, 59-65 N '64.

**CAUCASUS, NORTHERN—LEPTOSPIRA**

Leptosira of the Hebdomadis group. Report No. 3. Detection of the subtype Leptosira sejevae balcanica in the Soviet Union. L. T. Semenova, I. S. Soloshenko, V. V. Anan'in. Zhur. mikrobiol., epid. i immun. 42 no. 4, 61-64 Ap '65.

**CAUCASUS, NORTHERN—LUMBER—TRANSPORTATION**

Belata, N. M., and A. G. Prokhorenko. [Cableways for lumber transportation] Kaniitnye lesotransportnye ustanovki. Moskva, Lesnaya promyshlennost', 1964. 298 p.

**CAUCASUS, NORTHERN—PALEONTOLOGY, STRATIGRAPHIC**

Oligocene horizons in the Northern Caucasus. V. D. Somov. Dokl. AN SSSR 161 no. 6, 1393-1396 Ap '65.

**CAUCASUS, NORTHERN—WATER, UNDERGROUND**

Analysis of the observations of the variations of the undisturbed natural regime of the Paleogene water pressure system in central Caucasasia under the effect of the development of gas fields. V. N. Kortsenshtein. Dokl. AN SSSR 162 no. 2, 418-421 My '65.

Hydrodynamic anomalies of the water pressure system as revealed by a study in eastern and central Caucasasia. Biol. MOIP. Old geol. 40 no. 2, 121-130 Mr-Apr '65.

Some data on the hydrogeology of the Upper Maykop sediments of central and eastern cis-Caucasia. N. S. Blagonravov. Izv. vuz. ucheb. zav., nef. i gaz. 8 no. 4, 17-20 '65.

**CAUCASUS, NORTHERN—ZINC ORES**

Distribution of lead-zinc mineralization areas adjacent to Sadon latitudinal structures. I. M. Tshikhova. Izv. vuz. ucheb. zav., geol. i razv. 7 no. 11, 59-65 N '64.

**CAULIFLOWER** see subdivision under Armenia**CAVES**

(see also subdivision under Bulgaria; Gumiashka Mountain; Kolva Valley; Kungur District; Monaco; Moravia; Perm Province; Podolia; Poland; Rezh Valley)

Activity of Permian speleologists in 1963. L. A. Shimanovskii, A. A. Bostuzhev, V. G. Okhapkin. Peshchery no. 4, 118-119 '64.

Role of condensate waters in the formation of karst caves. S. S. Prokof'ev. Peshchery no. 4, 35-38 '64.

Use of caves for medical treatment (speleotherapy). G. A. Maksimovich. Peshchery no. 4, 109-112 '64.

**CAVES—BIBLIOGRAPHY** see Bibliography—Caves**CAVIAR**

Methods of producing slightly salted caviar from the Pacific salmon. E. A. Nasedkina. Ryb. khoz. 41 no. 3, 62-63 '65.

**CECUM—SURGERY**

Some topographic-anatomical substantiations of the lumbo-lumbar section for the removal of the cecum. N. A. Iakovlev. Trudy TSU 66-224-232 '64.

**CELESTIAL MECHANICS** see Mechanics, Celestial**CELL DIVISION (BIOLOGY)**

Cell multiplication and viral infection in tissue culture. S. I. A. Zalkind. Arkh. anat. i gist. embr. 46 no. 4, 95-103 Ap '64.

Conference on amitosis. V. N. Dobrokhoto, I. D. Lichner. Tsitologia 1 no. 5, 598-600 S-O '62.

Synthesis of DNA and multiplication of corneal epithelial cells after irradiation. M. N. Vesselkina. Tsitologia 4 no. 5, 571-573 S-O '62.

**CELL METABOLISM**

Optimum self-adjustment of metabolic processes in a cell. An attempt to establish a normal optimum of cell metabolism. G. Dechev, A. Moskova. Dokl. AN SSSR 162 no. 1, 201-204 My '65.

**CELL NUCLEI**

Change in the size of cell nuclei in the kidney tissue culture of a swine embryo infected with the influenza viruses and the Japanese hemagglutinating virus. F. V. Sushkov, D. F. Osidze, I. V. Pantelcev. Vop. vct. virus 1, 498-476 '64.

Correlation of angio- and cytoarchitectonics in the cellular formation of the brainstem. V. V. Amunts, Zhur. nevro. i psikh. 65 no. 4, 747-551 '65.

DNA content in the nucleus of the wheat oosphere. V. I. Tuzov, V. M. Imushin. Tsitologia 1 no. 5, 571-577 S-O '62.

Effect of plasmolysis and deplasmolysis upon the vital structure of the nucleus. Vioral. Sci. m. Tsitologia 4 no. 5, 511-518 S-O '62.

Electron microscopic study of the interrelationship between nucleus and cytoplasm. K. S. Abramyan, V. N. Reingold. Dokl. AN SSSR 161 no. 2, 1431-1433 Ap '65.

Incorporation of H<sup>3</sup> thymidine by cell nuclei of the embryo of mice in preimplantational and implantational periods of the development. N. A. Samoshkina. Dokl. AN SSSR 161 no. 8, 1467-1470 Ap '65.

Intranuclear inclusion in the neuron of the mollusk Tritonia diomedea Bergh. V. L. Boroviagin, D. A. Sakharov, E. N. Veprincev. Biofizika 10 no. 1, 98-99 '65.

Nature of pyronine-stained granules in a fraction of isolated cell nuclei. R. I. Salganik and others. Tsitologia 4 no. 5, 499-505 S-O '62.

**CELLO** see Violoncello**CELLS**

Study of the early stages of the interaction of viruses with sensitive cells. Report No. 3. Significance of the phosphate groups of the cell membrane for firm attachment of the virus to the cellular surface. N. V. Kaverin. Vop. virus 10 no. 1, 14-17 Ja-F '65.

**CELLS—TRANSPLANTATION**

Effect of the transplantation of homologous hemopoietic cells on the synthesis of antibodies in irradiated animals. A. S. Shevelov. Biol. eksp. biol. i med. 59 no. 4, 77-80 Ap '65.

Possibility of antibody formation in the transplantation of cells of the reticuloendothelial system into an animal organism. I. K. Lisunkina, Zhur. mikrobiol., epid. i immun. 41 no. 10, 12-16 '64.

**CELLULAR PATHOLOGY** see Pathology, Cellular**CELLULOSE**

Enzymatic destruction of cell walls of protozoal algae with the purpose of raising their digestibility; survey of literature. N. N. Bolko, N. S. Klishkina, I. I. Kondrat'ev. Vop. pit. 23 no. 5, 3-6 S-O '64.

Study of cellulolytic enzymes of Myrothecium verrucaria. R. V. Fendkova and others. Dokl. AN SSSR 162 no. 3, 702-704 My '65.

**CELLULOSE**

Graft copolymers of cellulose and styrene. U. Azizov, Kh. U. Usmanov, M. U. Sadykov. Vysokom. soed. 7 no. 1, 19-24 Ja '65.

Immunological properties of a soluble Rickettsia prowazekii antigen. Report No. 1. Antigenic structure of Rickettsia prowazekii based on data of chromatographic analysis on diethylaminoethyl cellulose. E. P. Iukin and others. Zhur. mikrobiol., epid. i immun. 42 no. 4, 41-47 Ap '65.

Ion-exchange cellulose and its use in chromatography. E. G. Davidova, V. V. Rachinskii. Usp. khim. 34 no. 2, 253-275 F '65.

Reaction of cellulose with acrolein. Kh. Dustmukhamedov and others. Uzb. khim. zhur. 8 no. 5, 74-75 '64.

Some new data on the interaction between cellulose and gaseous nitrogen oxides. Z. I. Kuznetsova, V. S. Ivanova, N. N. Shorygina. Izv. AN SSSR. Ser. Khim. no. 3, 557-559 '65.

Studying the reaction of rhodanine with cellulose in the presence of cadmium salts. G. K. Stergina and others. Tekst. priom. 26 no. 4, 52-53 Ap '65.

**CELLULOSE ACETATES—SPECTRA**

Ultraviolet absorption spectra of acetyl cellulose. M. Z. Gavrilov, I. N. Ermolenko, G. L. Elina. Opt. i spekt. 18 no. 3, 516-517 Mr '65.

**CEMENT**

Acoustical coagulation of cement paste. M. A. Shal'Inzh. fiz. zhur. 8 no. 3, 364-368 Mt '65.

Peat ash cement and products made from it. Z. G. Boig, V. V. Mikhailovskii. Shor. trud. VNINSM no. 102-112 '60.

Reinforcement for mesh-reinforced cement elements. S. S. Rodov, V. M. Savitskii. Bet i zhel. bet. 6 no. 2, 258-261 Ja '63.

Shostakov, S. V. [Cements and their structural engineering properties] Tsementy i ikh stroitel'n. tekhnicheskie svoistva. [Izrael'skiy] Vysshaya sh. 1964. 57 p.

**[MICROFILM]**

Using a mercuric pot. osimeter to study the difference in porosity of cement and sand-lime samples. D. S. Somin'ski, L. I. Edel'man. Shor. trud. VNINSM no. 120-131 '60.

**CEMENT—TRANSPORTATION**

The D-343B cement distributor. F. Epshtein. Avt. 28 no. 4, 32 Ap '65.

**CEMENT INDUSTRIES**

Automation of technological processes in the cement industry. Inform. biul. VDNKH no. 5, 16 My '64.

**CEMENT PLANTS**

For cement plants. F. Borunov. Sots. trud. 10 no. 104-107 '65.

**CENTRAL AMERICA—CANALS**

Projects of a new canal in Central America. F. Or. Mezhdunar. zhizn' 12 no. 5, 150-156 My '65.

**CENTRAL ASIA** see Asia, Central**CENTRAL ASIA, SOVIET** see Soviet Central Asia**CENTRAL CHERNOZEM ECONOMIC REGION—INDUSTRIAL MANAGEMENT**

Economic activity of voluntary economic bureaus in enterprises of the Central Chernozem Economic Region. L. B. Presnitskii. Biol. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform. 18 no. 3, 46 Mr '65.

**CENTRAL CHERNOZEM ECONOMIC REGION—PRODUCTION ENGINEERING**

Improving the use of working time in the enterprises of the Central Chernozem Economic Region. L. B. Presnitskii. Biol. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform. 18 no. 2, 61-64 F '65.

**CENTRAL CHERNOZEM REGION—FOREST SOILS**

Change in agrochemical characteristics of gray forest soils in the Central Black Earth belt during cultivation. B. P. Akhtyrtsay, G. A. Shevchenko. Agroklimatika 1, 38-50 Ap '65.

**CENTRAL CHERNOZEM REGION—PHYSICAL GEOGRAPHY**

Mil'kov, F. N. [Physiogeographical zoning of central Chernozem provinces] Fiziko-geograficheskoe raionirovaniye tsentral'nykh chernozemnykh oblastei. Voron. Izd-vo Voronezhskogo univ., 1961. 261 p. [Material po prirodnomu i ekonomiko-geograficheskomu raionirovaniyu SSSR dlia tsel'ei sel'skogo khoziaistva] (CLU)

**CENTRAL CHERNOZEM REGION—RESERVOIRS**

Akademii nauk SSSR. Laboratoriya tsel'ovedeniia. [Water budget and filling of small reservoirs in the Central Chernozem provinces of the R. S. F. S. R.] Vod. balans i zalivanie mal'nykh vodokhranilishch Chernozem. go TSentra RSFSR. Moskva, Nauka, 1965. 241 p.

**CENTRIFUGAL CASTING—QUALITY CONTROL**

Effect of physicochemical factors of the centrifugal casting process on the quality of the metal of hollow steel pipe billets. N. V. Rul'ba, I. U. G. Solov'ev, V. A. Chizh. Met. i gornorud. prom. no. 2, 44-48 Mr-Apr '65.

**CENTRIFUGAL PUMPS**

Designing the input edge and input area of the blades of centrifugal pump wheel in case of an arbitrary inflow twisting of the fluid flow. I. N. Pogrebennyi, A. M. Tenekil. Izv. vuz. ucheb. zav.; av. tekhn. 8 no. 2, 147-151 '65.

Starting centrifugal pumps without priming. V. V. Voznesenskii, E. E. Khutorianskii, E. I. Avdonin. U. 40 no. 1, 75 Ap '65.

Using centrifugal pumps with open impellers in petrod refining. V. B. Serobranyan, D. I. A. Muchinskii. Mas. i nef. obr. no. 2, 3-4 '65.

**CENTRIFUGAL PUMPS—SAFETY MEASURES**

Changing the method for the accident stop of 280-lb. centrifugal blowers with electric drive. V. Te. Gaz. prom. 10 no. 4, 44-45 '65.

**CENTRIFUGES**

Methods for studying biopolymers with the help of analytic ultracentrifuge. V. O. Shpil'kiter. Sov. mek. v biokhim. 1, 5-37 '64.

## CENTRIFUGES—DESIGN AND CONSTRUCTION

Shlau, A. V., L. S. Zarubin, and V. A. Trofimov. [Filtering centrifuges for the dewatering of coal] Fil'truushchie tsentrifugi dlia obezvozhivaniia uglii Moskva, Nedra, 1965. 134 p

## CENTROSOMES

Pregibnitsy i labor v patients s congenital microspherocytic hemolytic anemia T. P. Baikhatova Akush. i g. 40 no 5 72-78 S-O '64

## CEPHALOPODA

Basic characteristics and adaptive significance of the evolution of the shell in Cephalopoda G. V. Zuev Zool. zhur. 44 no 2 284-286 '65

Characteristics of the movement position in Cephalopoda. G. V. Zuev Izv. AN SSSR Ser. biol. no 3-403-409 My-Je '65

## CERAMIC INDUSTRIES

Centralized supplying of enterprises in mineral raw materials is an important condition for improving the quality of their production Stek i ker. 22 no 4 1-2 Ap '65.

## CERAMIC INDUSTRIES—EQUIPMENT AND SUPPLIES

Device for the manufacture of fuel mechanisms G. P. Sobolev, A. A. Skomorokhov Stek i ker. 22 no 4 43-44 Ap '65

CERAMIC MATERIALS see subdivision under Karaganda, Tselinograd

## CERAMIC MATERIALS—WELDING

Metal and oxygen technology of soldering ceramic materials I. U. V. Naidich, V. N. Eremenko Porosh. met. 5 no 4:13-17 Ap '65

## CERAMIC METALS

Ceramic metal magnesium and magnesium-beryllium alloys, V. E. Ivanov and others. Porosh. met. 5 no 5 46-53 My '65.

Chemical nickel coating of porous, iron-base ceramic metal products, L. M. Apininskaya, I. D. Radomyselskii, Porosh. met. 5 no 5:39-45 My '65.

Economic efficiency of using ceramic metal compacting materials in steam turbines Z. P. Dorf, E. T. Denisenko Porosh. met. 5 no 4:83-87 Ap '65

Investigations in the field of friction materials. Report no. 1, I. M. Fedorchenko, L. I. Fanaletti, G. M. Derkachova, Porosh. met. 5 no 5:54-57 My '65.

Phase equilibrium in the system zirconium-chromium-carbon T. I. Fedorov, I. U. Kuz'ma Porosh. met. 5 no 1:75-79 Mr '65

Phase equilibrium in the ternary system zirconium-molybdenum-carbon T. I. Fedorov, I. U. Kuz'ma, L. V. Gorskova Porosh. met. 5 no 1:69-74 Mr '65

Properties of ceramic metal hard alloys of WC-TiC-Co with additions of tantalum carbide G. S. Kreimer and others. Porosh. met. 5 no 4:35-43 Ap '65.

Samsonov, G. V., and P. S. Kislyi. [High-temperature nonmetallic thermocouples and tips] Vysokotemperaturnye nemetallicheskie termopary i nakonechniki, Kiev, Naukova dumka, 1965. 180 p.

Sheikin, A. E. [Outline of lectures on individual parts of the course "New materials in industry"] Konspekt lektsii po otdelem razdelam kursa "Novye materialy v tekhnike," Moskva, Mosk. in-t inzhenerov zhel.-doi, transp., 1963. 80 p.

## [MICROFILM]

Wetting of aluminum oxide by chromium-nickel melts, V. N. Dremenko, V. I. Nizhenko, L. I. Sklarenko, Porosh. met. 5 no 5:20-34 My '65

## CERAMIC METALS—CORROSION

Investigation of the scale resistance of certain nickel-base materials Report No. 1 I. M. Fedorchenko, E. T. Denisenko, V. N. Miroshnikov Porosh. met. 5 no 1 75-81 Mr '65

## CERAMIC METALS—DENSITY

Variation in the gram-molecular volume during mixing in systems zirconium-carbon and niobium-carbon, T. A. Nikol'skaya, I. U. N. Viliuk, R. G. Avarbe, Porosh. met. 5 no 5:71-75 My '65.

## CERAMIC METALS—ELECTRIC PROPERTIES

Investigating the process of the formation of a metallic contact among powder particles during sintering by the electric conductivity method, G. I. Aksekov, E. M. Minaev, Porosh. met. 5 no 5:35-38 My '65.

## CERAMIC METALS—STANDARDS

[Hard ceramic metal alloys and metal powders] Splavy tvrdye metallokeramicheskie i poroshki metallicheskie, Izd. ofitsial'noe, Moskva, Izd-vo Standartov, 1965. 190 p. (SSSR Gosudarstvennyye standarty)

## CERAMIC METALS—TESTING

Determination of physico-mechanical and technological properties of ceramic metal materials on a single annular specimen, G. I. Aksekov, E. M. Minaev Porosh. met. 5 no 1:83-87 Mr '65.

Investigating conditions of preparation and certain properties of hard alloys in the pseudobinary system B<sub>4</sub>C-B<sub>4</sub>Si G. A. Meerson and others Porosh. met. 5 no 1:62-68 Mr '65

Investigating the heat conductivity, electric resistance, and mechanical properties of a ceramic metal non-copper alloy Report No. 3 V. E. Mikrjukov, N. Z. Posdnjak, K. G. Akhmetzhanov Porosh. met. 5 no 1 16-19 Mr '65

Investigating the regularities of strength changes during the bending of certain copper-base ceramic-metal materials, I. M. Stoiashchikov, N. A. Filatova Porosh. met. 5 no 5:63-70 My '65.

## CERAMIC METALS—WELDING

Methods of joining ceramic metal filtering materials, E. I. Pavlovskaya, Z. V. Gorlacheva Porosh. met. 5 no 4:88-93 Ap '65.

## CERAMICS

Using the "Gusevka stone" in ceramic bodies T. I. Talaeva, L. N. Nikulina, Stek i ker. 22 no 4 14-16 Ap '65

Ways of eliminating the water permeability of clay sewer pipes B. V. Lebedev, D. N. Polubotkinov, R. M. Zaitons Stek i ker. 22 no 4 29-33 Ap '65

## CEREAL PRODUCTS

Improving the quality and expanding the assortment of products made from potato, corn and other grain crops P. T. Sulimov Khar. prom. no 2 74-75 Ap-Je '65

## CEREAL PRODUCTS—DRIYING

Dried puffed cereals, S. A. Genin, I. S. Shechekoldina, M. A. Volodina, Kons. i ov. prom. no 5 30-31 My '65

## CEREBELLUM—SURGERY

Role of the cerebellum in the regulation of the content of formed elements in the blood, E. S. Andrianov Fiziol. zhur. 31 no 3 318-324 Mr '65

## CEREBRAL CORTEX

Change in vestibular somatic reflexes in man in relation to the functional state of the cerebral cortex I. S. Usachev, Voenn.-med. zhur. no 7:59-62 '64.

Characteristics of the mechanism of ascending activation of the cerebral cortex in mechanical stimulation of the stomach K. V. Sudakov, L. S. Masanin, Biol. eksp. biol. i med. 50 no 4:8-11 Ap '65

Contemporary data on the steady potential of the cerebral cortex, Zh. P. Shuranova Zhur. vys. naiv. deiat. 15 no 1:163-175 Ja-F '65.

Correlation between asymmetry of vestibular nystagmus and bioelectric activity of the cerebral cortex, I. A. Sklit, S. E. Ginzburg, Zhur. nevr. i psikh. 65 no 5: 652-656 '65.

Correlation between periods of activation and depression in responses of cortical neurons to impulse electric and photic stimulations B. F. Tolkmov, Fiziol. zhur. 31 no 3:285-292 Mr '65

Cortical representation of the afferent systems of the alimentary tract, S. M. Zaitseva, S. S. Mustashchikova, V. N. Chernigovskii, Zhur. vys. nerv. deiat. 15 no 2: 405-413 Mr-Ap '65.

Efficient cortical representation of the muscular apparatus proper of the visual analyzer in cats, N. V. Shupova, Fiziol. zhur. 51 no 3:293-299 Mr '65

Interrelationship between the cerebral cortex and thalamic transmission nuclei D. V. Kadzhaia, S. P. Narikashvili Soob. AN Gruz. SSR 37 no 3 709-716 Mr '65

Participation of the nervous system in the mechanism of the effect of cortisone on gastric glands, I. T. Kurtsin, N. A. Avroslavtseva, Nauch. soob. Inst. fiziol. AN SSSR no 3:88-91 '65.

Polarization of the motor area of the cerebral cortex by a direct current anode and the motor dominant, V. S. Rusinov, Zhur. vys. naiv. deiat. 15 no 2:217-228 Mr-Ap '65.

Role of the cerebral cortex in the development of postvaccinal immunity, S. Sh. Sekantian, A. A. Kostanian, Izv. AN Arm. SSR, Biol. nauki 18 no 1:97-101 Ja '65.

Short-term local fluctuations of the temperature of the cerebral cortex in dogs and their relations to the regional blood circulation V. I. A. Bozoyevskii, Fiziol. zhur. [Ukr.] 9 no 1:90-95 Ja-F '63.

Significance of photostimulation of the peripheral end of the optical analyzer for opening of its cortical substitute, I. A. Plomkovskii, M. S. Mysloboodskii, Dokl. AN SSSR 182 no 1:229-231 My '65.

Study of the cortical activity in children attending a music school, N. V. Prazdnikova, L. A. Firaov, Nauch. soob. Inst. fiziol. AN SSSR no 3:130-134 '65.

Topography of the giant pyramidal field in the cerebral cortex of a cat, A. S. Butuev, Nauch. dokl. vys. shkoly; biol. nauki no 2:74-78 '65.

## CEREBRAL CORTEX—DISEASES

Characteristics of the higher nervous activity in schizophrenia patients in a stage of remission, L. N. Balashova, Vop. klin., patol. i lech. shiz. no 1:9-12 '64.

## CEREBRAL CORTEX—SURGERY

Adenocorticotrophic activity of hypophysis and the reactivity of adrenal glands to ACTH at different time after partial decortication of brain hemispheres in rats, I. I. Ivanova, Nauch. dokl. vys. shkoly, biol. nauki no 2:64-68 '65.

Conditioned statokinetic reflexes in dogs following extirpation of the temporal lobes of the cerebral cortex and labyrinthectomy, V. A. Kisilakov, Nauch. soob. Inst. fiziol. AN SSSR no 3:63-67 '65.

Effect of partial and total excision of the cerebral cortex on the echolocation by bats, A. I. Konstantinov, Dokl. AN SSSR 181 no 4:989-991 Ap '65.

Histological examination of the brain following the extirpation of the cerebral cortex in dogs, G. A. Tolcheva, I. I. Figurina, Nauch. soob. Inst. fiziol. AN SSSR no 3:153-157 '65.

Interceptive conditioned response from the uterus following extirpation of the premotor zone of the cerebral cortex in dogs under conditions of saturation with estrogen, L. I. Lebedeva, Nauch. soob. Inst. fiziol. AN SSSR no 3:105-99 '65.

Materials on the problem of reflex reactions in decorticated mammals, Report No. 1: Attempt of forming interceptive motor-defensive conditioned reflexes in dogs, L. V. Lohanova, Nauch. soob. Inst. fiziol. AN SSSR no 3:104-107 '65.

Role of the motor regions of the cerebral cortex in the compensation of lost functions of the analyzer in monkeys in ontogeny following excision of distant receptors and the vestibular apparatus V. I. Korolev, Nauch. soob. Inst. fiziol. AN SSSR no 3:97-72 '65.

## CEREBRAL CORTEX—WOUNDS AND INJURIES

Reaction of the neurons of the cerebral cortex in reparative regeneration in mammals I. A. M. Soskin, Biol. eksp. biol. i med. 50 no 4:113-116 Ap '65.

CEREBROSPINAL CYSTICERCOSIS see Cysticercosis, Cerebrospinal

## CEREBROSPINAL FLUID

Diagnostic value of the changes in the composition of the cerebrospinal fluid and the fundus oculi in tumors and arachnoiditis of the brain, V. V. Utkin, N. N. Okhrimenko, Zhur. nevr. i psikh. 65 no 5:607-671 '65.

State of the cerebrospinal fluid in animals after a suboccipital injection of novocaine, I. G. Belogrudov, Trudy mol. uch. UAHIN no 9 10-11 '63

## CEREBROVASCULAR DISEASE

Clinical aspects and course of aneurysms of the cerebral vessels, I. U. D. Smirnov, Zhur. nevr. i psikh. 65 no 4:509-515 '65.

Clinical significance of the measurement of the sense of skin pain in patients with residual phenomena of thrombo-asis of the brain vessels, A. M. Mamedov, Dokl. AN Azerb. SSR 21 no 2 59-62 '65.

Combination of Alzheimer's disease and atherosclerosis of cerebral vessels, B. M. Bleikher, S. I. Shohadjan-skala, Zhur. nevr. i psikh. 65 no 4:552-557 '65.

Functional disorders in the cerebral blood circulation in schizophrenia patients, P. G. Petukhovich, Vop. klin., patol. i lech. shiz. no 1:112-115 '64.

Pathology of the cerebral and spinal blood circulation in occlusions of the superior vena cava, N. K. Bogolepov, I. G. Erokhina, Zhur. nevr. i psikh. 65 no 4:524-530 '65.

Pathomorphology of the frontal lobes of the human brain in hypertension, I. U. I. Mikhlin, Trudy Khim. med. inst. no 36:351-358 '67.

Some characteristics of the development and course of atherosclerotic lesions of the brain in elderly and senile age, A. I. A. Mintz, Vop. geron. i geriat. 4:190-196 '65.

Temporal plethysmoscillography, M. A. Vaschenko, I. I. Zharnitskii, E. M. Brauer, Zhur. nevr. i psikh. 65 no 5:657-661 '65.

## CERESIN

Absorption method for obtaining ceresins from oococrites, B. D. Kiselev, Trudy MINKHIGP no 44:227-235 '63

## CERIMETRY

Use of p-toluidine and p-anisidine as indicators in cerimetry, A. Kh. Batulin, S. M. Poliakova, Trudy Oren. sol'khoz. inst. 14:178-182 '63.

## CERIUM—ANALYSIS

Use of tetracyclines as analytical reagents for the detection of tetravalent cerium cations, A. Kh. Batulin, Trudy Oren. sol'khoz. inst. 14:174-177 '63.

## CERVICAL PLEXUS—SURGERY

Shifts in carbohydrate metabolism of the brain following extirpation of superior cervical sympathetic ganglia, E. E. Mikhlin, Izv. AN Arm. SSR, Biol. nauki 18 no 4: 9-15 Ap '65.

## CESAREAN SECTION

Anesthesia in cesarean section, I. S. Pershinov, Akush. i gin. 40 no 5:3-10 S-O '64

Current indications for abdominal management of labor, A. S. Slepikh, Akush. i gin. 40 no 5:11-17 S-O '64.

## CESAREAN SECTION (Continued)

Distribution of anesthesia in cesarean section in women with severe cardiovascular pathology K. M. Federmesser, E. A. Lepetskiy Akush. gign. 10 no. 5:17-22 S-O '61

## CESIUM SALTS

Preparation of pure cesium salts using cesium difluoride L. I. Lepetskiy, S. B. Stepina, V. D. Pishchuk, Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:375-380 '64.

## CHAIKOVSKI, PETR IL'ICH, 1840-1893

Tragically, sincerely, and simply. Sum'ma i shkola 20 no. 5:11 My '65

## CHAIN SAWS

Determining the optimal reduction for feed limiting devices during the sawing of larch by all-purpose chain saws. N. P. Dingee Trudy STI 37 63-69 '64  
Experimental unit for studying a simplified sawing of larch by sections of chain saws N. P. Dingee Trudy STI 37:51-62 '64

## CHAKHAGLYAR OIL FIELD—PETROLEUM GEOLOGY

Determining the oil and gas saturation factor of the rocks of the Khaki series based on a study of the Binegady and Chakhaglyar oil fields. G. G. Palatnik, A. A. Kerimova, E. F. Kravtsov Izv. vys. ucheb. zav., nef't i gaz 8 no. 1:13-15 '65.

## CHALCEDONY see subdivision under Karatau

## CHALCOGENIDES—THERMAL PROPERTIES

Heat conductivity of semiconducting chalcogenide glasses. B. T. Kolomolets, L. Palasova, L. Shourach Fiz. tsvetl. 7 no. 5:1508-1510 My '65.

## CHALCONE

Polarographic study of the reaction between  $\alpha$ ,  $\beta$ -unsaturated carbonyl compounds and monosubstituted hydrazines Part 2 Quantitative study and phases of reaction between phenylhydrazine and substituted chalcones V. F. Lavrushin and others. Zhur. org. khim. 1 no. 1:99-101 Ja '65.

## CHALCOPYRITE see subdivision under Caucasus, Northern

## CHAMPAGNE (WINE)

Delta fructofuranosidase activity in continuous wine champagne. S. P. Avakants, I. D. Belousova, Prikl. biokhim. i mikrobiol. 1 no. 1:57-65 Ja-F '65.

Changes in the stability of the dispersion system CO<sub>2</sub>-water in bottle champagne. S. P. Avakants Izv. vys. ucheb. zav., pishch. tekhn. no. 7:81-83 '65

CHARACTERS AND CHARACTERISTICS IN LITERATURE Vinogradovskiy, I. A. [The literary-artistic type and its prototypes] Literaturno-khudozhestvennyy tip i ego prototipy. Kyiv, Dorzhnitsyda Ukrainy 1962. 73 p. (Besidy pro khudozhestvennu literaturu)

## CHATKAL RANGE—JONIMBRITE

Jonimbrites of the Oyasayakaya series (C<sub>3</sub>O) in the upper Shavay Valley (southwestern slopes of the Chatkal Range). T. Dalimov. Uzb. geol. zhur. 8 no. 1:36-42 '64.

## CHATKAL RANGE—MINERALS

Distribution of accessory minerals in granites in the central part of the Chatkal-Kutama Mountains. K. Urubnev. Uzb. geol. zhur. 9 no. 1:20-28 '65.

## CHATKAL RANGE—PETROLOGY

Petrographic characteristics and the relationship of Chitensk and Babaytag quartz syenite-porphyrates (southwestern spurs of the Chatkal Range). T. Dalimov. Uzb. geol. zhur. 9 no. 1:80-90 '65

## CHATKAL RANGE—PORPHYRY

Petrographic characteristics and the relationship of Chitensk and Babaytag quartz syenite-porphyrates (southwestern spurs of the Chatkal Range). T. Dalimov. Uzb. geol. zhur. 9 no. 1:86-90 '65.

## CHATKAL VALLEY—GEOLOGY, STRATIGRAPHIC

Rock types of the Frasnian stage in the northern part of the Chatkal subzone and their petrographic characteristics. D. M. Sargutanova. Uzb. geol. zhur. 8 no. 5:15-23 '64.

## CHATKAL VALLEY—PETROLOGY

Rock types of the Frasnian stage in the northern part of the Chatkal subzone and their petrographic characteristics. D. M. Sargutanova. Uzb. geol. zhur. 8 no. 5:15-23 '64.

## CHEBYSHEV POLYNOMIALS

Two types of conditionally extremum problems and the general approach to their study. V. N. Burov. Ukr. mat. zhur. 17 no. 2:107-111 '65

## CHECHEN

Documents on the uprising of the Kabardian and Chechen horsemen during the time of the Russo-Japanese War, 1904. Sh. B. Chimit-Dorzhiyev. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:111-116 '63.

From the history of the interrelations of the Chechen and Ingush with Russia and the great Russian people, from the 16th century to the early 20th century. A. A. Salanov. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:22-51 '63

## CHECHEN-INGUSH A.S.S.R.—AGRICULTURE

Socioeconomic development of the Chechen-Ingush village on the eve of the collectivization A. G. Popov. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:52-62 '63

## CHECHEN-INGUSH A.S.S.R.—BITS (DRILLING AND BORING)

Operations with core bits under the complex conditions of deep drilling in the Cretaceous sediments of the Chechen-Ingush A.S.S.R. I. P. Dorodnov. Burenie no. 9:3-1 '64

## CHECHEN-INGUSH A.S.S.R.—CENSUS

Registers of village families as an important source of the history of the Chechen-Ingush A.S.S.R. in the last quarter of the 19th century N. P. Gritsenko. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:117-127 '63

## CHECHEN-INGUSH A.S.S.R.—CHRISTIANITY

Christianity among the Chechen and Ingush. A. I. Shamilev. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:63-96 '63

## CHECHEN-INGUSH A.S.S.R.—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Experience of the Chechen-Ingush province party organization in improving the selection and education of propagandaists, 1956-1961. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:3-21 '63.

## CHECHEN-INGUSH A.S.S.R.—HEALTH RESORTS, WATERING PLACES, ETC.

Workers' rest. Neftianik 8 no. 5:39 My '63.

## CHECHEN-INGUSH A.S.S.R.—ISLAM

Ways of the penetration of Islam among the Chechen and Ingush. A. I. Shamilev. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:67-107 '63.

## CHECHEN-INGUSH A.S.S.R.—OIL WELL CEMENTING

Placement of rubber-cement bridges in wells M. P. Putnik, P. V. Filin, L. A. Davydenko. Burenie no. 2:26-30 '65

## CHECHEN-INGUSH A.S.S.R.—OIL WELL DRILLING

Controlling circulation loss in drilling P. V. Filin, N. M. Sychev. Burenie no. 1:16-18 '65.

Obligations of the Karabulak drillers. Neftianik 8 no. 5:26 My '63.

Preventing hole deviation of wells in the oil fields of the Chechen-Ingush A.S.S.R. K. I. Loshkarov, I. U. M. Gershbert, A. N. Shagin, Burenie no. 1:18-20 '64.  
Ways to increase the number of samples from the Cretaceous sediments of the oil fields of the State All-Union Association of the Grozny Oil and Gas Industry. I. P. Dorodnov. Burenie no. 1:21 '65

## CHECHEN-INGUSH A.S.S.R.—PETROLEUM WORKERS

Workers' rest. Neftianik 8 no. 5:39 My '63.

## CHECHEN-INGUSH A.S.S.R.—SARMATIAN ANTIQUITIES

Sarmatian materials from the early excavations on the territory of the Chechen-Ingush A.S.S.R.; collections of the State Historical Museum. V. B. Vinogradov. Izv. Chech.-Ing. nauch.-issl. inst. 3 no. 1:153-160 '63.

## CHEESE

All-Union seminar on the production of rindless cheese ripened in film packing. Z. S. Sokolova. Izv. vys. ucheb. zav., pishch. tekhn. no. 2:181-182 '65.

Effect of the pouring method of molding and vacuumization of the cheese mass on its temperature V. P. Tabachnikov. Izv. vys. ucheb. zav., pishch. tekhn. no. 2:95-99 '65  
Free amino acids in Moscow cheese. N. I. Martynenko. Sbor. stud. rab. VMI no. 3:63-65 '63.

[Technological instructions for the production of cheese] Tekhnologicheskie instruktsii po proizvodstvu syra. Uverzhdeny VSNKh. 2. izd. Moskva, TSintipishcheprom, 1963. 161 p.

## [MICROFILM]

## CHEKHOV, ANTON PAVLOVICH, 1860-1904

Chekhov and the Ukraine. Y. A. Denysuk. Vsiykyk L'viv. un. Ser. filol. no. 1:14-20 '63.  
Chekhov in Polish criticism. A. I. Gribovskaya. Vsiykyk L'viv. un. Ser. filol. no. 1:30-39 '63.  
Traditions of I. S. Turgenev in the dramaturgy of A. P. Chekhov. L. N. Klymkova. Vsiykyk L'viv. un. Ser. filol. no. 1:21-29 '63.  
Two letters written by Ukrainian writers to Chekhov Oleksandr Dun. Rad. lit. 9 no. 4:78-79 Ap '65  
Vorovsky's views of Chekhov. E. F. Morozova. Vsiykyk L'viv. un. Ser. filol. no. 1:6-13 '63.

## CHELATES

Five-membered chelate complexes of 1,2-bis(diphenylphosphine) barane with metals. L. I. Zakharkin, G. G. Zhigareva. Izv. AN SSSR. Ser. khim. no. 5:932 '65.

Preparation of chelate complexes of manganese and cobalt chlorides S. A. Avakian, R. S. Agabekian, A. V. Mushagian. Dokl. AN Arm. SSR 40 no. 2:107-108 '65

## CHELATING AGENTS

Trilonometric determining of copper salt content of canned food. M. S. Berk, M. S. Ustinova. Kons. i ov. prom. 20 no. 4:40-41 Ap '65

## CHELNOKOV, M. B.

Cadet Chelnokov's letters, 1907-1913. I. P. Bogatov. Ist. SSSR 9 no. 2:213-214 Mr.-Ap '65

## CHELYABINSK—AESTHETICS—STUDY AND TEACHING

Aesthetic education. A. Tomina. Part. zhizni' no. 11:27-31 Je '65

## CHELYABINSK—AUTOMOBILE INDUSTRY

Zakharov, E. V., and V. I. Naumov. [Semiautomatic and automatic welding in an atmosphere of carbon dioxide, from practices of the Ural Automobile Plant] Poluavtomaticheskaya i avtomaticheskaya svarka v srede uglerodnogo gaza, iz opyta Ural'skogo avtomobil'nogo zavoda. [Cheliabinsk] URhno-Ural'skoe knizhnoe izdvo, 1964. 40 p.

## CHELYABINSK—BUILDING INSPECTION

Powerful and efficient weapon. L. Leonidov. NTO 7 no. 4:46-47 Ap '65.

## CHELYABINSK—COMMUNITY AND SCHOOL

Control over the employment of young workers. F. Koriakin. Prof. tekhn. obr. 22 no. 5:4-5 My '65

## CHELYABINSK—FOUNDRIES—EQUIPMENT AND SUPPLIES

Using zircon paint at Chelyabinsk foundries. A. N. Smolin, I. U. Smolin. Lit. proizv. no. 6:37-38 Ja '65

## CHELYABINSK—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Aesthetic education. A. Tomina. Part. zhizni' no. 11:27-31 Je '65.

## CHELYABINSK—PIPE INDUSTRY

Creative activity is the motto of an engineer I. Usachev. NTO 7 no. 3:37-39 Mr '65.

## CHELYABINSK—WAGES—PIPE INDUSTRY

Efficiency of material reward for the quality of production. B. Bykov, G. Pecherstik, L. Epshteyn. Sots. trud. 10 no. 2:14-18 '65.

## CHELYABINSK PROVINCE—LIBRARIES, CHILDREN'S

At the height of new tasks. N. Chvanova. Bibliotekar' 42 no. 4:40-41 Ap '65

## CHEMICAL APPARATUS

Determining the operative capacity of the separating disks of mechanical horizontal absorbers A. M. Lastovtsev, I. M. Moiseenko. Trudy MIKHM 26:100-112 '64

Study of apparatus with a fluidized bed and sectional downcomerless plates. I. G. Martynushin, V. N. Golovin. Trudy MIKHM 26:23-32 '64.

Sverdlovsk. Ural'skiy nauchno-issledovatel'skiy khimicheskii institut. [Controlling and measuring instruments and regulators developed by the Institute] Kontrol'no-izmeritel'nye pribory i regulatory, razrabotannye v institute. Leningrad, Goskhimizdat, 1968. 175 p. (Ile. Trudy, no. 8)

## CHEMICAL APPARATUS—FLUID DYNAMICS

Regular wave conditions of the flow in film absorbers under conditions of an ascending direct flow. P. A. Semenov, A. V. Solov'ev. Trudy MIKHM 26:60-64 '64.

## CHEMICAL BONDS

Conditions for the formation of the p-p bond in the action of Grignard reagents on thiophosphoryl halides. G. M. Bogolubov. Zhur. ob. khim. 35 no. 4:754 Ap '65.

Formation of bonds in the firing process of refulectors on a silicon carbide base I. A. Guzman, E. I. Tumskova. Ogneupory 30 no. 5:41-46 '65.

Nuclear quadrupole resonance method of studying organosilicon compounds containing Si-Cl and C-Cl bonds. I. P. Biriukov and others. Dokl. AN SSSR 162 no. 1:130-132 My '65.

Radiation-chemical cross-linking of polyethylene. G. K. Karkova and others. Vysokom. sood. 7 no. 1:183 Ja '65

Splitting of a C-C bond in ketones and alcohols of the barane series under the action of bases L. I. Zakharkin. Dokl. AN SSSR 162 no. 1:817-820 Je '65.

## CHEMICAL ELEMENTS

Statistical indexes of the content of chemical elements in the cover sediments of White Russian Polesye. K. I. Lukashov, G. I. Sachok, V. K. Lukashov. Dokl. AN BSSR 9 no. 2:108-110 F '65

## CHEMICAL INDUSTRIES

(see also subdivision under Armenia, Cuba, Hungary, Kirovakan, Lugansk Province, Rumania, Uzbekistan, White Russia)

Chemistry and the petroleum industry. N. K. Baibakov Burenie no 1:3-5 '64

Chemistry to the national economy Inform biul. VDNKh no 10:1-2 O '63.

Kolotylo, D. M. [Agricultural production wastes as valuable raw materials for the chemical industry] Vkhody sliv'koshospodari s'koho v vyrobnystva--tsinna syroyny dlia khimichnoi promyslovosti Kyiv, Tovarystvo dlia poshyttenia polit i nauk znani' URSR, 1961 34 p.

## CHEMICAL INDUSTRIES—FINANCE

Instruction on the procedure in using the profit from the sale of new types of chemical products serving everyday needs. Fin SSSR 39 no 5 91-92 My '65

## CHEMICAL INDUSTRIES—LICENSES

Tereshchenko, O. L. [License export as a means for strengthening the position of chemical monopolies on foreign markets] Eksport litsenzii kak sredstvo usilenia pozitsii khimicheskikh monopolii na vneshnikh rynkakh. Moskva, 1965. 19 p. (Blulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no 8)

## CHEMICAL INDUSTRIES—SAFETY MEASURES

Labor safety at chemical enterprises. Bezop. truda v prom. 9 no. 5:1-2 My '65

## CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Kazan

## CHEMICAL MACHINERY

Corrosion resistance of various copper types in acetic acid solutions. F. I. Anuchin, A. I. Firsov, G. F. Mikhailuk Gidroliz i lesokhim prom 18 no 2:12-14 '65

Genkin, A. E. [Equipment of chemical plants] Oborudovanie khimicheskikh zavodov. Moskva, Vysshiaia shkola, 1965 327 p

Investigating fluid leakage in external contact stuffing boxes. L. I. Mamont and others Izv. vys. ucheb. zav. nefti i gaz 8 no 3 91-94 '65

## CHEMICAL MACHINERY—DESIGN AND CONSTRUCTION

Gladyshevskaya, S. A., and others. [Two-layer steel in chemical machine building] Dvukhsloynnye stali v khimicheskoi mashinostroeni. Moskva, Mashinostroyeniye, 1965. 151 p.

## CHEMICAL MACHINERY—RELIABILITY

Improving the quality and reliability of chemical equipment. V. D. Vasil'ev. Mashinostroyeniye no. 5 34-35 My '65.

## CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Azerbaijan, South Kazakhstan Territory)

Controlling the quality of design, construction, and erection of new chemical enterprises. T. K. Grin', V. I. Shalagin. Bezop. truda v prom. 9 no 5 29-30 My '65.

Overcome the lag and strive for success. B. Ushakov. Ekon. stroi. no 12:3-6 D '64

## CHEMICAL PLANTS—FIRES AND FIRE PREVENTION

Fire hazards in the production of aniline with the contact method. V. V. Ogileznev, M. V. Alekseev. Fozh. bezop. no. 3:9-16 '64

Fire hazards in the production of isopropylbenzene. N. D. Rusanov, M. V. Alekseev. Fozh. bezop. no 3:16-20 '64.

Fire hazards in the production of terylene films. V. G. Mikhailov, A. N. Savushkina. Fozh. bezop. no. 3:27-30 '64.

Nitrate foam equipment for extinguishing fires. V. S. Sukhanov. Bezop. truda v prom. 9 no 4:46-46 Ap '65.

Preventive measures in the production of vinyl chloride. A. I. Fedotov, M. V. Alekseev. Fozh. bezop. no. 3:21-27 '64.

## CHEMICAL PLANTS—SAFETY MEASURES

Gas shields for workers in chemical plants. P. M. Solov'ev. Bezop. truda v prom. 9 no 5:46-48 My '65.

Labor safety inspection in plants subject to fire and explosions. V. M. Naumenko. Bezop. truda v prom. 9 no 4:32-34 Ap '65

Public inspectors are innovators of production. I. I. Gladkii. Bezop. truda v prom. 9 no 5:36 My '65.

## CHEMICAL REACTION, RATE OF

Approximate values of rate constants for radiation reactions of hydrogen atoms and hydroxyl radicals in aqueous solutions. A. K. Pikaev, P. I. A. Glazunov, V. I. Spitsyn. Izv. AN SSSR. Ser. khim. no. 3:401-408 '65.

Limiting element in the reaction of carbon oxidation in a steel smelting bath. M. I. A. Medzhobzhakii, A. A. Kazakov. Izv. vys. ucheb. zav. ; Chern. met. 8 no. 5:12-16 '65.

Mechanism and kinetics of the dissociation of calcium carbonate. E. S. Vorontsov, I. S. Bystrava. Izv. AN SSSR. Met. no. 1:25-32 Ja-F '65.

Mechanism and rate constant of the reaction between oxygen atoms and acetylene. L. I. Avramenko, R. V. Kolesnikova, G. I. Sivimova. Izv. AN SSSR. Ser. khim. no. 3:408-412 '65

Studying the kinetics of the desulfuration of cast iron by slag, by the method of alternating current polarization. A. I. Solntkov, O. A. Esin, I. F. Nikitin. Izv. AN SSSR. Met. no. 1:32-38 Ja-F '65

## CHEMICAL REACTIONS

Chemical reactions involving muonium. Identification of the products of interaction with matter. V. G. Tirsav Zhur. eksp. i teor. fiz. 46 no 4:1170-1183 Ap '65

## CHEMICAL REACTORS

Chemiluminescence in solutions, Part 2. R. F. Vasil'ev. Opt. i spekt. 18 no. 3:415-421 Mr '65.

Chromatographic effects during the optimization of catalytic reactors. S. Z. Roginskii, A. L. Rozental'. Dokl. AN SSSR 162 no. 3:621-624 My '65

Design of catalytic reactors with internal heat transfer. I. A. Sokolinskii. Trudy MIKH 26:161-173 '64

Gas dynamic characteristics of finely dispersed materials in a reactor with an ascending through-flow. V. S. Aliev, M. I. Rustamov, E. M. Seid-Rzaeva. Azerb. khim. zhur. no. 3:37-43 '64

Theory and practice of heterogeneous processes in a fluidized bed. L. A. Akopian and others. Trudy MIKH 26:3-24 '61

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL WARFARE see subdivision under Vietnam, South, United States

CHEMICAL WORKERS see subdivision under Armenia; Czechoslovakia, Donetsk Basin, Poland

## CHEMICAL WORKERS—DISEASES AND HYGIENE

Prophylaxis for injuries and lesions of the eyes of workers in the chemical and metalworking industries. M. K. Briantseva. G. K. Gaverdovskaya. Trudy I-go MMI 32:38-50 '64

CHEMICALS—EFFECT ON PLANTS see Plants, Effect of chemicals on

## CHEMICALS—PHYSIOLOGICAL EFFECT

Physiological gradients of the infusion of Spirodonium ambiguum. L. N. Seravin. Tsitologiya 4 no. 5:515-554 S-O '62.

Types of dominant mutations induced by chemical mutagens. T. V. Sal'nikova, N. N. Zoz. Agrokhimiya no. 2:142-145 F '65.

CHEMICALS—TRANSPORTATION see subdivision under United States

CHEMICALS INDUSTRY see subdivision under Rustavi (Georgia)

## CHEMICALS INDUSTRY—BY-PRODUCTS

Shorygina, A. V., and S. A. Iriganova. [Utilization of the wastes of phenol-nitrobenzene production] Ispol'zovanie otkhodov fenolo-nitsonovogo proizvodstva. Rostov-na-Donu, Rostovskii promstroiniproekt, 1964. 38 p. [MICROFILM]

## CHEMICALS INDUSTRY—SAFETY MEASURES

Make a thorough inspection of flow diagram plans. V. A. Khudoloi. Bezop. truda v prom. 9 no. 4:26-27 Ap '65.

## CHEMISTRY

Complicated subject made popular: "New developments in chemistry." Reviewed by I. P. Fodchuk. Priroda 54 no. 4:121-122 Ap '65.

## CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur. i Khim. nos. 7-8 Ap '65.

## CHEMISTRY—AUDIO-VISUAL AIDS

Students' work with material for distribution. I. T. Syroezhkin. Izv. APN no. 134:146-163 '64.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

## CHEMISTRY—EXPERIMENTS

Historical approach to chemical experiments in schools. A. N. Efremov. Izv. APN no. 134:54-66 '64.

Student experiments as a means of stimulating the cognitive activity of students during the study of chemistry. I. I. Lakhmetkin. Izv. APN no. 134:116-126 '64.

## CHEMISTRY—METHODOLOGY

(see also subdivision under Germany, East)  
Application of statistical methods in the studies on the methodology of chemistry. E. N. Fedorova. Izv. APN no. 134:210-229 '64.

## CHEMISTRY—STUDY AND TEACHING

(see also subdivision under Poland)  
Chemical Olympiad. L. G. Myrmin, M. V. Narizhniuk. Sred. spets. obr. 12 no. 4:16-20 Ap '65.

Content of extracurricular work on chemistry. G. M. Tullakova. Izv. APN no. 134:193-209 '64

Development of logical thinking of students during the study of chemistry. E. N. Fedotova. Izv. APN no. 134:67-90 '64

Forming the practical habit and skills during the study of chemistry. P. A. Glotizov, V. S. Polosin. Izv. APN no. 134:91-115 '64

Historical and logical aspects and their relation to problems of the methodology of chemistry. P. V. Vereshchagin. Izv. APN no. 134:21-37 '64

Historical approach to the teaching of chemistry. Z. F. Golikova. Izv. APN no. 134:38-53 '64.

Independent work of students in chemistry classes in the evening (staggered) schools. L. A. Dubynin, T. M. Dzhizakala, B. V. Ivanova. Izv. APN no. 134:175-192 '64.

Methodological principles of the study of chemical industries in secondary schools. V. P. Garkunov. Izv. APN no. 134:7-20 '64.

Student experiments as a means of stimulating the cognitive activity of students during the study of chemistry. I. I. Lakhmetkin. Izv. APN no. 134:116-126 '64.

Use of chemical experiments and visual aids during the evaluation of student knowledge, skills and habits in chemistry. K. G. Bondureva. Izv. APN no. 134:126-145 '64.

Use of local material during the study of chemistry in schools. D. N. Osogostok. Izv. APN no. 134:164-175 '64.

## CHEMISTRY, ANALYTICAL

Vasil'ev, V. V. [Use of ultrasound in analytical chemistry, a report presented at the meeting of the Section of Ultrasound of the Leningrad House of Scientific and Technical Propaganda held January 13, 1964] Pimenenie ultrazvuka v analiticheskoi khimii; doklad na zasedanii sektsli ul'trazvuka Leningradskogo Doma nauchno-tekhnicheskoi propagandy 13 yanvaria 1964 g. Leningrad, 1965. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen nauchno-tekhnicheskimi opytom. Seriya: Elektrofizicheskie i elektrokhimicheskie metody obrabotki metallov)

CHEMISTRY, ANALYTICAL—BIBLIOGRAPHY see Bibliography—Chemistry, Analytical

## CHEMISTRY, ANALYTICAL—CONGRESSES

Moscow Seminar on Analytical Chemistry. V. I. Ustinov. Zhur. anal. khim. 20 no. 3:405 '65.

## CHEMISTRY, FORENSIC

Determination of mercury in forensic chemical analysis of human liver and kidneys. A. N. Kiylova, Sud.-med. ekspert. 8 no. 1:20-33 Ja-Mi '65.

## CHEMISTRY, INORGANIC

Inorganic chemistry and new materials. N. M. Zhavoronkov. Izv. AN SSSR. Neorg. mat. 1 no. 1:5-10 Ja '65.  
Paper precipitation chromatography in the qualitative analysis of inorganic anions. F. N. Kulaev. Izv. vys. ucheb. zav., khim. i khim. tekh. 7 no. 9:904-909 '64.  
Slavits, V. V. [Inorganic polymers] Neorganicheskie polimery. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoe v khimii, nauke, tekhnike. XI Seriya: Khimii, no. 5)

## CHEMISTRY, MEDICAL AND PHARMACEUTICAL

Cardiac glycosides from *Coronilla varia*. I. M. Bilal'skiy. Farmatsev. zhur. 19 no. 1:22-25 '64.

Chemical studies on some representatives of the family Ranunculaceae. U. H. Fil'. Farmatsev. zhur. 19 no. 1:59-61 '64

Isolation and chemical properties of anthraglycosides from *Rhamnus frangula* L. bark. O. F. Kovalev. Farmatsev. zhur. 19 no. 1:25-32 '64

Polarographic method for the quantitative determination of cardiac glycosides. N. E. Vorob'ev, N. P. Dziuba. Farmatsev. zhur. 19 no. 1:10-22 '64

Ragweed *Senecio platyphyllus* and the alkaloid sarcasin. D. O. Muraviova. Farmatsev. zhur. 19 no. 1:29-32 '64.

Separation of *Lycopodium selago* alkaloids and their medicinal forms. I. H. Shvab, P. E. Rozentsveig. Farmatsev. zhur. 19 no. 1:49-51 '64.

Synthesis of N-haloarylsulfonimides with predominantly bactericidal properties. A. I. Roshchenko, M. N. Dykhanov. Farmatsev. zhur. 19 no. 1:15-18 '64.

## CHEMISTRY, ORGANIC

Pavlov, B. A., and A. P. Terent'ev. [Course in organic chemistry] Kurs organicheskoi khimii, Izd. 5., perer. Moskva, Khimlit, 1965. 680 p.

Rapid method of calculating the high-temperature heat capacities of solid inorganic compounds. D. Sh. Tsagarishvili, G. G. Gvetsiani. Soob. AN Gruz. SSR 37 no. 3:581-586 Mr '65.

## CHEMISTRY, ORGANIC—LABORATORY MANUALS

Revo, A. I. A. [Qualitative microchemical reactions of organic chemistry] Kachestvennyye mikrokhimicheskie reaktivi po organicheskoi khimii. Izd. 2., perer. i dop. Moskva, Vysshiaia shkola, 1965. 255 p.

## CHEMISTRY, ORGANIC—SYNTHESIS

- Effect of the conditions of synthesis on the properties of polymers. D. A. Akhmedzade, V. D. Asanovskii. *Azerb. Khim. zhur.* no. 3 65-68 '61.
- Perchloric acid and its compounds in organic synthesis. G. N. Dorofeev and others. *Usp. khim.* 34 no. 2-219-252 F '65.
- Synthesis of boron-mitogen containing compounds on a basis of boric acid. I. A. M. Panshin, I. S. Pandit. *Trudy MINKhGIP* no. 11:33-39 '63.

## CHEMISTRY, PHYSICAL AND THEORETICAL—CONGRESSES

- Sixth Ukrainian Republic Conference on Physical Chemistry Dedicated to the 90th Anniversary of Academician L. V. Pitarzhievskii's Birth. L. Kaptanova. *Ukr. khim. zhur.* 31 no. 1 123-127 '65.

## CHEMISTRY, TECHNICAL—CONGRESSES

- Meeting of chemist-scientists in Warsaw. N. Alekhin, A. Levin. *NTO* 7 no. 1 59-60 Mr '65.

## CHEMISTRY, TECHNICAL—STUDY AND TEACHING

- In step with time. D. B. Einfeld. Prof., tekhn. obr. 22 no. 5:28 My '65.

**Russia (1917- R. S. F. S. R.)** Glavnoe upravleniye professional'no-tekhnicheskogo obrazovaniya. *Respublikanskiy uchebno-metodicheskii kabinet*. [Technical training of workers in enterprises of the Metallurgical and chemical industries] Tekhnicheskoe obucheniye rabochikh na predpriyatiakh metalurgicheskoi i khimicheskoi promyshlennosti. Moskva, Vysshaya shkola, 1964. 31 p. (Obmen opytom raboty)

[MICROFILM]

- Workers should know chemistry. L. Matveeva. Prof., tekhn. obr. 22 no. 5:25 My '65.

## CHEMISTS—EDUCATION AND TRAINING see subdivision under Germany, East

## CHEMOTHERAPY

- Chemotherapy of malignant tumors by the perfusion method. A. N. Novikov and others. *Khimiya* 41 no. 1 3-9 Ap '65.
- Methodology of regional chemotherapy of malignant neoplasms of the extremities by perfusion. K. V. Danilov-Bel and others. *Vest. khir.* 93 no. 12:40-52 D '64.
- Methodology of regional perfusion chemotherapy of the lungs for malignant neoplasms. A. V. Novikov and others. *Vest. khir.* 93 no. 12:44-48 D '64.

## CHERENKOV RADIATION

- Diffraction of Vavilov-Cherenkov radiation. D. M. Sedrakian. *Opt. i spekt.* 18 no. 3:300-303 Mr '65.

## CHEREPNIN, LEV VLADIMIROVICH, 1905-1965

- Lev Vladimirovich Cherepnin's sixtieth birthday. *Ist. SSSR* 9 no. 2 237 Mr-Apr '65.

## CHERNAYA TISA (UKRAINE)—COMRADES COURTS

- Preparation and determination of a case by the comrades court. I. Shvachenko. *Rad. pravo* 28 no. 2:36 Mr-Apr '65.

## CHERNOVITSY—MORAL EDUCATION

- In the Chernovitsy pedagogical laboratory of the Academy of Pedagogical Sciences of the R. S. F. S. R. I. Kobylat'skii. *Sov. pedagog.* 29 no. 1:158 Ap '65.

## CHERNOZEM SOILS

- Boron, manganese, and molybdenum content of Chernozem soils in Saratov Province. S. I. Buntakov, G. N. Popov. *Agrokhimia* no. 3 132-135 Mr '65.
- Use of fertilizers in highly fertile, slightly leached, deep Chernozems with low humus content. D. F. Tomashevskii, V. G. Litvin. *Agrokhimia* no. 3 17-27 Mr '65.

## CHERSKIY RANGE (YAKUTIA)—GEOLOGY, STRATIGRAPHIC

- New materials on the Quaternary stratigraphy of the Cherskiy mountain system. B. A. Onishchenko. *Dokl. AN SSSR* 162 no. 1:161-163 My '65.

## CHESS—MIDDLE GAMES

- Bondarevskii, I. Z. [Combinations in middle games] *Kombinatsii v mittershpil'e*, 2. izd. Moskva, Fizkul'tura i sport, 1965. 61 p. (Biblioteka nachinalushchego shakhmatista)

## CHESS—OPENINGS

- Vainstein, D. S. [Opening combinations and pitfalls] *Kombinatsii i loyushki v debute*. Moskva, Fizkul'tura i sport, 1965. 93 p. (Biblioteka nachinalushchego shakhmatista)

## CHEST

- Electromyographic determination of the function of the respiratory muscles. D. O. Koohega. *Fiziol. zhur.* [Ukr.] 9 no. 1:67-76 Ja-F '63.

## CHEST—AGING

- Gurova, N. I. [Age-related morphology of the human chest] *Vozrastnaya morfologiya grudnoi kletki cheloveka*. Moskva, Prosvetshenie, 1965. 215 p.

## CHEST—RADIOGRAPHY

- Causes of failures, danger and complications in transthoracic phlebography of the thorax. V. T. Apolun. *Trudy TSU* 66:86-96 '64.

## CHEST—SURGERY

- Is there a need for this type of electric stimulation of the heart? Discussion on the article of B. D. Zislis and others: "On controlled cardiac rhythm in pulmonary and pleural surgery". T. M. Darbman. *Vest. khir.* 94 no. 2 333 F '65.
- Selection of the optimal respiration regime in an open thorax. N. V. Khristenko. *Trudy TSU* 66:273-281 '64.
- Surgical tactics in penetrating thoracic injuries. V. I. Pavlov. *Voen.-med. zhur.* no. 7:18-20 '64.

## CHEST—WOUNDS AND INJURIES

- Surgical tactics in penetrating thoracic injuries. V. I. Pavlov. *Voen.-med. zhur.* no. 7:18-20 '64.
- Treatment of thoracic injuries under conditions of modern warfare. I. S. Kolesnikov, N. V. Putov. *Voen.-med. zhur.* no. 7:12-17 '61.

## CHETRYKIN, ROMAN SERGEEVICH, 1797-1865

- Distinguished epidemiologist and hygienist of the 19th century on the centenary of R. S. Chetrykin's death. V. S. Suvorova. *Zhur. mikrobiol. epid. i immun.* 41 no. 10 145-150 '64.

## CHICAGO—ESTONIANS

- Mar, N. I. [In search of happiness] V polskakh rehast'ia. Moskva, Politizdat, 1964. 125 p.

## CHICKEN POX IN POULTRY

- Submicroscopic changes in the chorioallantoic membrane infected with the virus of pigeon pox. E. I. Skallinskii. *Vop. vet. virus.* 1:431-444 '64.

## CHIGGERS (MITES) see subdivision under Azerbaijan

## CHILD PSYCHIATRY

- Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut psikiatrii. [Problems of pediatric psychoneurology] *Problemy psikhonevrologii detskogo vozrasta*. Moskva, 1964. 530 p. (DNLM)

## CHILD STUDY

- (see also subdivision under Great Britain)
- Affects in children and the ways to overcome them. M. S. Neimark. *Sov. pedagog.* 29 no. 5:91-99 My '65.
- Characteristics of the generalizing action of the reversing agent in children. I. I. Isaeva. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:41-43 '65.
- From one to three years. E. Shumilin. *Sem'ia i shkola* 20 no. 5:16-19 My '65.
- K. K. Krupekala on the development of children's personality. E. I. Rudneva. *Sov. pedagog.* 29 no. 4:86-96 Ap '65.
- Shortcomings of the textbook on the child and educational psychology. M. A. Danilov. *Sov. pedagog.* 29 no. 5:130-143 My '65.
- Thorough knowledge of children is the necessary prerequisite for good training. A. Zaporozhets. *Doshk. vosp.* 38 no. 1 28-31 Ja '65.

## CHILD BIRTH—PSYCHOLOGY

- Use of the psychoprophylactic anesthesia method in labor of older primiparas with abortions in the anamnesis. G. Kh. Manukian. *Sov. med.* 28 no. 5: 127-132 My '65.

## CHILDREN

- May 1st and May 9th. Kirill Orlovskii. *Sem'ia i shkola* 20 no. 5:1 My '65.
- Observations, notes, and rejoinders. M. Skudina. *Doshk. vosp.* 38 no. 1:45-48 Ja '65.

## CHILDREN—CARE AND HYGIENE

- Children's fears and their control. E. Legkov. *Doshk. vosp.* 38 no. 1:24-26 Ja '65.
- Globulin immunization of school children to prevent infectious hepatitis. Report No. 1: Reactions following the introduction of gamma globulin. P. T. Trukhan, A. A. Popova. *Zhur. mikrobiol., epid. i immun.* 41 no. 10 143-144 '64.
- Sexual development of schoolgirls in Moscow. IU. F. Borisova. *Akush. i gin.* 40 no. 5:105-110 S-O '64.
- Study on the possibility of reducing the diphtheria vaccine dose in revaccination of 8 to 12 year-old schoolchildren. I. M. Fuks and others. *Zhur. mikrobiol., epid. i immun.* 41 no. 11:103-107 N '64.

## CHILDREN—DISEASES

- Congenital absence of muscles of the anterior abdominal wall in children. G. A. Bakov, E. A. Ostropol'skaya. *Vest. khir.* 93 no. 12:83-88 D '64.
- Ivanov, S. M. [Exercise therapy in bronchial asthma in children] *Lecheniye fizkul'tura pri bronkhial'noi astme u detei*. Moskva, Meditsina, 1965. 102 p. (Biblioteka prakticheskogo vracha) (DNLM)

- Some characteristics of the dynamics of neurotic states originating in childhood. V. P. Belov, L. S. Kulikov, O. A. Trifonov. *Zhur. nevro. i psikh.* 05 no. 5:733-736 '65.

## CHILDREN—EDUCATION see Education of children

## CHILDREN—EMPLOYMENT see subdivision under Ukraine

## CHILDREN—GROWTH

- Age-conditioned physiology and the problems of pedagogy. A. A. Markosov. *Sov. pedagog.* 29 no. 5 48-58 My '65.

## CHILDREN—LAW

- Damage compensation for injury to the health of a citizen below 15 years of age (Art. 165 of the Civil Code of the R. S. F. S. R.). I. Malein. *Sov. iust.* 9 no. 10: 20-22 My '65.
- The rights of children. *Sov. zhurnal.* Nov. v. em. 28 no. 23:1-2 Je '65.

## CHILDREN—MANAGEMENT

- Character training system of a class adviser. E. N. Polinkov. *Sov. pedagog.* 29 no. 5:72-79 My '65.
- Children's conflicts. A. Kuz'mina, N. Sletova. *Doshk. vosp.* 38 no. 1 18-21 Ja '65.
- From the consulting room of a psychoneurologist. S. Fainberg. *Doshk. vosp.* 38 no. 1 57-60 Ja '65.
- How often the words differ from the deeds! T. M. Sergeeva. *Nach. shkola* 33 no. 2:15-18 F '65.
- Our parental duty. F. Bychenkov, A. Izmailov, IU. Khuzanbaev. *Part. zhizn'* no. 11:48-51 Je '65.
- Tashkent. Universitet. [Problems of training] *Voprosy vospitaniya*. Tashkent, 1961. 127 p. (Ist. Trudy, no. 192. Pedagogicheskie nauki, no. 1)
- There should be more respect for student's personality. I. Rogozhnikov. *Nar. obr.* no. 5 88-89 My '65.
- They did not admit Stasik into the Pioneers. V. Taborko. *Sem'ia i shkola* 20 no. 5:31-32 My '65.
- Working with upper classmen on self-education. S. Mikhailov. *Nar. obr.* no. 5 93 My '65.

## CHILDREN—NUTRITION

- (see also subdivision under Tonsil)
- Copper and iron content in children's diet in a Pioneer camp and their blood picture. L. B. Pavlova. *Vop. pit.* 23 no. 5:77-78 S-O '64.

## CHILDREN—SURGERY

- Acute phlegmonous cholecystitis in a 5-year-old boy. G. L. Pollanskii. *Vest. khir.* 93 no. 12:93-94 D '64.
- Compression fracture of five thoracic vertebrae in a 12-year-old child with tetanus. *Vest. khir.* 93 no. 12: 94-95 D '64.
- Late results of the treatment of oblique inguinal hernias in children using T. P. Krasnobeev's surgical method. R. M. Kutsnevskii. *Vest. khir.* 93 no. 12:50-52 D '64.
- Rare complication following surgery for strangulated hernia in a child. G. L. Bulich, N. A. Khan. *Vest. khir.* 93 no. 12:92 D '64.
- Urgent surgery in a newborn infant for a dextral diaphragmatic hernia. IU. I. Datskaev. *Vest. khir.* 93 no. 12: 93 D '64.

## CHILDREN, DEAF

- Effect of physical education and sports on the functional state of the visual analyzer of deaf children and adolescents. V. A. Riabichev. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 4:48-50 Ap '65.

## CHILDREN AS ARTISTS

- Fleina, E. A. [Aesthetic training of the preschool child] *Esteticheskoe vospitaniye doshkol'nika*. Pod red. V. N. Shatskol. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 333 p.

## CHILDREN'S CLOTHING

- Nobody is forgotten and nothing is forgotten. S. Neginskii. *Sem'ia i shkola* 20 no. 5:47 My '65.
- Summer clothing for children. N. Nemira, E. Churkina. *Sem'ia i shkola* 20 no. 5:47 My '65.

## CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES

- [Children's encyclopedia for the middle and senior age groups] *Detskaya entsiklopediya dlia srednego i starshogo vozrasta*. Moskva, Prosveshchenie.
- Vol. 4. [Plants and animals] *Rasteniya i zhivotnye*, 2. izd. 1965. 527 p.

## CHILDREN'S LIBRARIES see Libraries, Children's

## CHILDREN'S LITERATURE

- Big literature for little children. *Doshk. vosp.* 38 no. 1: 84-95 Ja '65.
- Contribution of authors to little children. K. Aron. *Doshk. vosp.* 38 no. 1:124-128 Ja '65.
- We need a debate on children's literature! V. Razova. *Doshk. vosp.* 38 no. 1:100-101 Ja '65.
- What are you reading, kid? V. Razumnevich. *Doshk. vosp.* 38 no. 1:96-99 Ja '65.



## CHILDREN'S MUSEUMS

- Airships in a battle formation M. Razuinov. Nar. obr. no 5 82-81 My '65  
"Do the Russians want war," A. Konodo. Nar. obr. no 5 39-10 My '65  
School museum dedicated to Lenin S. A. Bary. Sov. pedagog. 29 no 4 110-124 Ap '65  
We train them according to battle traditions P. M. Kurbatov. Rad. shk. 44 no 5 27-31 My '65

## CHILDREN'S PLAYS see subdivision under Leningrad

## CHILDREN'S POETRY

- Substance of a song, V. Berestov. Doshk. vosp. 38 no 1 106-107 Ja '65  
The way to children's poetry, V. Kazova. Doshk. vosp. 38 no 1 102-106 Ja '65

## CHILE—DESCRIPTION AND TRAVEL

- Chilean summer (to be continued) Margarita Ainger. Nov. mir. 41 no 2 114-120 F '65

## CHIMPANZEES—BEHAVIOR

- Physiological analysis of the so-called foresight in chimpanzees. F. P. Malorov, L. A. Firsov. Nauch. soob. Inst. fiziol. AN SSSR no 3 112-116 '65.

## CHIMKENT—MACHINERY INDUSTRY

- The plant is your second home! V. Stupnikov. Nar. khoz. Kazakh. 23 no 4 71-72 Ap '65

## CHINA—HISTORIOGRAPHY

- Soviet historiography of China during the first postwar years, 1946-1949 V. N. Nikiforov. Krat. soob. Inst. nar. Az. no 85 154-168 '64.

## CHINA—HISTORY

- People's movements in China, 1901-1905 A. S. Kostinova. Krat. soob. Inst. nar. Az. no 85 72-84 '64  
Vishnukova-Akimova, V. V. [Two years in a China in revolt, 1925-1927] Dva goda v vosstavshem Kitae, 1925-1927, vospominaniia, Moskva, Nauka, 1965, 389 p.

## CHINA—MILITARY ART AND SCIENCE

- Military art of the anti-Manchurian home guard of south-eastern China in the last of the 17th century N. I. Fomina. Krat. soob. Inst. nar. Az. no 85 47-59 '64

## CHINA—MISSIONS—EDUCATIONAL WORK

- Activity of foreign missionaries in the field of education in China, 1901-1920 A. A. Monina. Krat. soob. Inst. nar. Az. no 85 102-114 '64

## CHINA—PETROLEUM INDUSTRY

- Tremendous development of the petroleum industry of China Chang Chao-Mei. Nefianik 8 no 5 8 My '63.

## CHINA—REVOLUTION, 1911-1912

- The economic policy of the Ch'ing in relation to the bourgeoisie, the crises in the "upper classes" on the eve of the Hsin-hai Revolution I. V. Chudodoev. Krat. soob. Inst. nar. Az. no 85 95-101 '64.

## CHINA-CLAY see Kaolin

## CHINESE LANGUAGE—GRAMMAR

- Lu, Shu-hsiang. [Outline grammar of Chinese, translated from the revised Chinese] Ocherk grammatiki kitaiskogo iazyka, Moskva, Nauka, Vol. 2, Pt. 2, [Types of connectives] Tipy svyazi, 1965, 281 p.

## CHINGIZTAU REGION—NEPHELINE SYENITE

- Nepheline syenite in the cis-Chingiztau region. V. N. Zytianov. Izv. AN Kazakh. SSR, Ser. geol. 21 no 5 57-67 S-O '64.

## CHIRCHIK (UZBEKISTAN)—CONSTRUCTION INDUSTRY

- Build quickly, inexpensively, and beautifully G. L. Krotkevich, V. N. Shavarin. Stroitel. i arkhit. zh. 8 no 2 1-4 F '65

## CHIRCHIK VALLEY—PLANT COMMUNITIES

- Phytocenoses of the Chirchik Valley. N. Temirbaev. Uzb. bot. zhur. 9 no 2 52-61 '65.

## CHISTIAKOV, A LKSEI NIKOLAEVICH, 1887-1954

- Aleksei Nikolaevich Chistiakov; 75th anniversary of his birth and the 10th anniversary of his death. O. I. Islamov, N. P. Petrov. Uzb. geol. zhur. 8 no 5 84-85 '64.

## CHISTOVICH, A LKSEI NIKOLAEVICH, 1905-

- Aleksei Nikolaevich Chistovich. Arkh. pat. 27 no 3 93-94 '65.

## CHKALOV see Orenburg

## CHKALOV PROVINCE see Orenburg Province

## CHLORIDES

- Reaction of zirconium and hafnium chlorides with potassium ferrocyanide in aqueous solutions, N. F. Savenko, I. A. Sheka. Ukr. khim. zhur. 31 no 1 18-23 '65.

## CHLORIDES—EFFECT ON PLANTS see Plants, Effect of chlorides on

## CHLORIMIDE

- Aromatic nitrogen-containing polymers from quinone bischlorimide. Z. S. Kazakova, V. P. Paimin, B. I. Logon'kii. Izv. AN SSSR, Ser. khim. no 3 410-424 '65.

## CHLORINATION

- Photochemical chlorination of trifluoromethylchlorosilanes and the synthesis of unsaturated trifluoroalkylchlorosilanes, M. A. Kadina, V. A. Ponomarenko. Izv. AN SSSR, Ser. khim. no 1 651-659 '65

- Some features of vinylidene chlorination in halogenation reactions. M. F. Shostakovskii and others. Izv. AN SSSR, Ser. khim. no 3 529-531 '65.  
Substitution chlorination of phenyltrichlorosilane, G. V. Motsarav and others. Zhur. ob. khim. 35 no 4 756-757 Ap '65

- Synthesis of hexachlorobutadiene by exhaustive chlorination of 1, 3-butadiene in a fluidized catalyst bed. I. U. G. Mamedaliev, M. M. Guseinov, M. S. Salakhov. Azerb. khim. zhur. no 3 51-53 '64.

## CHLORINE—ANALYSIS

- Fast determination of the sulfur and chlorine content of additive 339 of the Central Scientific Research Institute of Aviation Fuels and Lubricants. R. I. Grodzovskaia, A. L. Rimova. Nefteper. i neftekhim. no 4 37-39 '65.

## CHLORINE—EFFECT ON PLANTS see Plants, Effect of chlorine on

## CHLORINE—PHYSIOLOGICAL EFFECT

- Effect of chlorine ions on the process of depolarization and repolarization of the membrane of muscle fibers following a change in the potassium concentration in Ringer's solution. I. S. Magura. Fiziol. zhur. [Ukr.] 9 no 1 56-60 Ja-F '63

## CHLORINE AND DERIVATIVES AS DISINFECTANTS

- Effect of amidosulfonic acid on the bactericidal action of chlorine. B. I. Krotkova. Nauch. trudy AKKH no 22 '63, Ved. no 3 71-80 '63.

## CHLORINE COMPOUNDS

- Fine structure of L<sub>225</sub> absorption spectra of Cl in the compounds LiCl, NaCl, KCl, RbCl, and CsCl. T. M. Zimkina, A. P. Lukhskii. Fiz. tsvet. tela 7 no 5 1162-1166 My '65

## CHLORITES

- Role of activators in the process of chlorite bleaching. V. M. Bel'tsov, A. A. Kharkharov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 2 101-107 '65.

## CHLOROFORM

- Chain transfer constants in telomerization of ethylene by chloroform. B. A. Englin, R. Kh. Freidlina. Izv. AN SSSR, Ser. khim. no 3 425-431 '65.  
Producing purified preparations of the virus of foot-and-mouth disease from various animal tissues using chloroform. N. V. Klenina, E. P. Lobedeva, V. S. Antonov. Vop. vet. virus. 1 196-202 '64.

## CHLOROMA

- Chloroma of the orbit. A. A. Dmitrieva. Trudy 1-go MMI 32 208-212 '64.

## CHLOROPHYLLIN

- Spectral and photochemical properties of chlorophyllin in interaction with albumin. A. V. Kariakin, L. A. Chumutina. Dokl. AN SSSR 162 no 1 208-210 My '65

## CHLOROPRENE

- Effect of chloroprene on the catheptic activity. V. G. Mkhitarian, S. A. Astvatsatryan. Izv. AN Arm. SSR, Biol. nauki 18 no 1 78-84 Ja '65.

## CHLOROSIS (PLANTS)

- (see also subdivision under Georgia)  
Effect of chlorosis on the physiological conditions of apple in the Dzhezkazgan region. I. D. Zelenskii. Vest. sel'khoz. nauki [Kazakh.] 8 no 4 84-90 Ap '65.

## CHLORPROMAZINE

- Clinical aspects and treatment of late schizophrenia. M. D. Stashchuk. Vop. klin. i lech. shiz. no 1 131-134 '64.  
Comparative effectiveness of amiazine and insulin treatment based on data of a late catamnosis. E. F. Kazanets. Vop. klin. i lech. shiz. no 1 53-55 '64.  
Comparative study of the effectiveness of amiazine and insulin treatment of the paranoid form of schizophrenia. D. G. Enikeev. Vop. klin. i lech. shiz. no 1 48-49 '64.

- Comparative study of the formation of remissions in the paranoid form of schizophrenia in the process of treatment with amiazine and insulin. A. N. Frishberg. Vop. klin. i lech. shiz. no 1 145-148 '64.

- Diverse variations of periodical schizophrenia and their relations to amiazine therapy. V. A. Igortov. Vop. klin. i lech. shiz. no 1 44-47 '64.

- Effect of amiazine on the course of the paranoid form of schizophrenia with expressed elements of periodicity and circularity in the clinical picture and course. P. G. Mukharlamova. Vop. klin. i lech. shiz. no 1 105-107 '64.

- Plexographic examination of ocular pulses in schizophrenia patients following amiazine treatment. P. G. Petrochenkov. Vop. klin. i lech. shiz. no 1 108-111 '64

- Some indices in favor of intravenous infusion of amiazine in schizophrenia patients. A. S. Lopatin. Vop. klin. i lech. shiz. no 1 98-99 '61.

## CHLORPROMAZINE—PHYSIOLOGICAL EFFECT

- Effect of therapeutic doses of amiazine on the action of gonadotropic hormones; preliminary report. A. I. Belkin, M. V. Lakhonina. Vop. klin. i lech. shiz. no 1 16-18 '64.

- Effectiveness of small doses of reserpine and amiazine in old age. D. K. Miguova. Vop. geront. i geriatr. 1 146-153 '65.

- Problem of "adaptation" of schizophrenic patients to amiazine. V. F. Baranov, P. A. Kharkov. Vop. klin. i lech. shiz. no 1 13-15 '64.

- Results of using amiazine in the effect of pathological factors on the higher nervous activity. V. K. Bolodinskii. Nauch. soob. Inst. fiziol. AN SSSR no 3 21-25 '65.

- Sympathoadrenal complex in man under prolonged (several hours) effect of amiazine. I. I. Ilin, M. S. Drubenko, B. B. Bargman. Bluz. ekap. biol. i med. 59 no 4 60-68 Ap '65

## CHLORPROMAZINE—THERAPEUTIC USE

- Amiazine therapy of epileptic neurosis patients. N. A. Georgi. Akush. i gin. 40 no 5 129-134 S-O '64.

## CHLORTETRACYCLINE

- Effect of repeated addition of the culture medium on the activity of chlortetracycline and the morphology of L<sub>5178</sub>-2201 A. am. cells. A. M. Makukhina, N. N. Korganova. Form. i spirt. prom. 31 no 4 17-20 '65.

- Ultrasonic treatment of the nutrient medium in the production of fodder biomyces. M. I. A. Purnai. Form. i spirt. prom. 31 no 1 33-35 '65.

## CHLORTETRACYCLINE AS FEED

- Irradiation of A. am. cells spores with ultraviolet rays. M. I. A. Purnai, G. A. Udravskii. Form. i spirt. prom. 31 no 3 38-39 '65.

## CHOCOLATE

- Kokashinski, G. R. [Conching, tempering and filtration of chocolate mass] Konshirovanie, temperirovanie i filtratsia shokoladnykh mass, Moskva, Tsentr. nauchno-tekhn. informatsii pishchev. promyshl., 1964, 35 p.

[MICROFILM]

## CHOKECHERRY

- For you, the inquisitive ones. Zakup. sel'khoz. prod. no 5 81 My '64.

## CHOLANTHRENE—PHYSIOLOGICAL EFFECT

- Effort to detect humoral antineoplastic antibodies in mice immune to leucogenic sarcomas induced by methylcholanthrene O. M. Lezhneva. Bluz. ekap. biol. i med. 59 no 4 90-91 Ap '65.

## CHOLERETICS

- Wild strawberry as a chologogue. N. P. Skokun, I. Kh. Pesechnik. Vop. pit. 23 no 5 75-76 S-O '64.

## CHOLESTEROL

- Pharmacological properties of the preparation "nicatol." V. I. A. Morodyska, I. B. Simon. Fiziol. zhur. [Ukr.] 9 no 1 120-132 Ja-F '63

## CHOLESTEROL METABOLISM

- Cholesterol metabolism in arteriosclerosis. K. A. Abdurakhmanov. Vop. pit. 23 no 5 50-55 S-O '64.  
Effect of vitamin A and nicotinic acid on some indices of the condition of the blood anticoagulation system in experimental hypercholesterolemia. A. Sh. Byshevskii. Vop. pit. 23 no 5 33-40 S-O '64.

## CHOLINE

- Chemical factors of nervous stimulation in the blood in schizophrenia. G. G. Rozhdensvenskaya. Trudy Khaz. med. inst. no 36 279-284 '57.

- Content of adrenalinelike substances and acetylcholine in the superior cervical sympathetic ganglion in adult cats and kittens. A. I. Solov'ev. Bluz. ekap. biol. i med. 59 no 4 60-64 Ap '65.

- Effect of acetylcholine on the oxidized and reduced form of ascorbic acid. E. I. Lipovetskaya. Trudy Khaz. med. inst. no 36 169-172 '57.

## CHOLINE—PHYSIOLOGICAL EFFECT

Age-related characteristics of the sensitivity of vascular chemoreceptors to the effect of  $\text{CO}_2$  and acetylcholine. I. V. Shegoleva. *Vop. geron i geriat.* 4:60-62 '65.  
Changes in the conditioned response activity in rabbits under the combined effect of caffeine and choline. M. K. Kalina. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3: 52-55 '65.

## CHOLINERGIC AGENTS see Parasympathomimetic agents

## CHOLINERGIC BLOCKING AGENTS see Parasympatholytic agents

## CHOLINESTERASES

Activity of cholinesterase in the blood serum in dogs in experimental diabetes. A. A. Fokina. *Pat. fiziol i eksp. terap.* 9 no. 2:75-76 Mr.-Ap '65.  
Changes in the blood cholinesterase activity under the influence of anesthesia and surgical trauma. G. A. Chakunashvili. *Vest. khim.* 92 no. 6:60-71 Je '64.  
Chemical factors of nervous stimulation in the blood in schizophrenia. Q. G. Rozhdestvenskaya. *Trudy Khim. med. inst.* no. 30:279-284 '67.

## CHONDRIOSOMES see Mitochondria

## CHOPLYTOL—PHYSIOLOGICAL EFFECT

Effect of choplytol on the conditioned response activity. T. M. Kucherenko, N. S. Sofonov, G. I. Tsohkallo. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:91-91 '65.

## CHOROID—DISEASES

Choroid detachment stimulating a tumor of the ciliary body. N. M. Glotova. *Trudy 1-go MMI* 32:213-217 '64.

## CHRISTIANITY see subdivision under Chechen-Ingush A.S.S.R.

## CHRISTIANITY AND COMMUNISM see Communism and Christianity

## CHROMATOGRAPHIC ANALYSIS

Chromatographic analysis of blast furnace gas. V. E. Shvetsov, G. I. Lizaunov. *Izv. vuz. ucheb. zav. Chern. met.* 8 no. 5:204-209 '65.  
Chromatographic analysis of the mixture of sugars in the products of sugar manufacture. N. A. Arkhipovich, L. M. Zelenina, S. N. Kvita. *Sakh. prom.* 39 no. 3:37-43 Mr '65.  
Chromatographic determination of the aromatic isomers in the production products of p-xylene. M. S. Vigdergauz, O. G. Chabrova. *Neftekhimiya* 5 no. 1:160-165 Ja-F '65.  
Chromatography of proteins on ion exchangers and fractionation of mixtures, containing proteins, on columns with cephexadex. L. M. Glodman. *Sov. metod. v biokhim.* 1:37-73 '64.  
Distribution of elements between the precipitate and solution depending on the conditions of precipitation. N. S. Fortunatov, N. E. Vartapetova. *Ukr. khim. zhur.* 30 no. 6:589-593 '64.  
Immunological properties of a soluble Rickettsia prowazekii antigen. Report No. 1: Antigenic structure of Rickettsia prowazekii based on data of chromatographic analysis on diethylaminoethyl cellulose. E. P. Lukin and others. *Zhur. mikrobiol., epid i immun.* 12 no. 4:41-47 Ap '65.  
Ion-exchange cellulose and its use in chromatography. E. G. Davidova, V. V. Rachevskii. *Usp. khim.* 34 no. 2: 253-275 F '65.  
Ion-exchange chromatography of nucleic acids and their components. T. I. Tikhonenko. *Sov. metod. v biokhim.* 1:198-222 '61.  
Separation of gold, selenium, and tellurium by ion exchange chromatography. M. V. Darbinian, E. E. Kapustinian. *Izv. AN Arm SSR. Khim. nauki* 10 no. 1: 18-24 '65.

## CHROMATOGRAPHIC ANALYSIS—EQUIPMENT AND SUPPLIES

Determining small quantities of hydrogen with the KHT-2M chromatograph. I. M. Starshov. *Neftepr i neftekhim.* no. 3:41-43 '65.

## CHROMATOPHORES

Incorporation of amino acids into plastid proteins of the embryonic wheat tissue. A. A. Mutuskin. *Dokl. AN SSSR* 161 no. 6:1458-1460 Ap '65.

## CHROMIUM—ANALYSIS

Hydrogen peroxide in analytical chemistry. Part II: Amperometric titration of chromium on an apparatus with a rotating platinum electrode. S. M. Iatrudskii, A. K. Zhdanov. *Uzb. khim. zhur.* 8 no. 5:23-30 '64.

## CHROMIUM ALLOYS—ELECTRIC PROPERTIES

Electric properties and volumetric effects in the field of the Neel temperature in alloys of chromium with transition metals. A. K. Butylenko, V. N. Gridnev. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 19:116-120 '64.

## CHROMIUM ALLOYS—TESTING

Investigating the plastic properties of alloys of chromium with transition metals. A. K. Butylenko, V. N. Gridnev. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 19:54-68 '64.

## CHROMIUM COMPOUNDS

Complex compounds of chromium and manganese with 1-dimethylamino-2-butyne. S. N. Avakian, B. A. Kurapetian. *Izv. AN Arm SSR. Khim. nauki* 18 no. 1: 15-17 '65.

## CHROMIUM-IRON ALLOYS see Iron-chromium alloys

## CHROMIUM-IRON-MOLYBDENUM ALLOYS—METALLOGRAPHY

Investigating chromium-iron-molybdenum and chromium-iron-tungsten alloys. R. A. Alfintseva and others. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20:108-124 '61.

## CHROMIUM-IRON-TUNGSTEN ALLOYS—METALLOGRAPHY

Investigating chromium-iron-molybdenum and chromium-iron-tungsten alloys. R. A. Alfintseva and others. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20:108-124 '61.

## CHROMIUM-MANGANESE STEEL—CORROSION

Effect of alloying on the resistance of austenitic steels to corrosion cracking in concentrated chloride solutions. A. V. Rachevskii, V. I. Gerasimov, Zashch. met. 1 no. 1:48-51 Ja-F '65.

## CHROMIUM-NICKEL LIQUID ALLOYS see Liquid nickel-chromium alloys

## CHROMIUM-NICKEL STEEL—CORROSION

Effect of alloying on the resistance of austenitic steels to corrosion cracking in concentrated chloride solutions. A. V. Rachevskii, V. I. Gerasimov, Zashch. met. 1 no. 1:48-51 Ja-F '65.

## CHROMIUM-NIOBIUM-TITANIUM ALLOYS—THERMAL PROPERTIES

Feasibility diagram of the system chromium-niobium-titanium. I. A. Kocherzhinskii, V. I. Lutsheva. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20:125-128 '64.

## CHROMIUM SALTS

Effect of the nature of foreign cations on the anodic oxidation of trivalent chromium. D. P. Zosimovich, S. P. Antonov, V. G. Stepanenko. *Ukr. khim. zhur.* 31 no. 4:420-421 '65.

## CHROMIUM-SILICON ALLOYS—METALLOGRAPHY

Chromium-silicon diagram. V. N. Svechnikov, I. A. Kocherzhinskii, L. I. Iupko. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 19:212-218 '64.

## CHROMIUM-TITANIUM ALLOYS—TESTING

Plasticity of chromium alloyed with titanium. V. N. Gridnev and others. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20:25-31 '64.

## CHROMOSOME NUMBERS

Recent data on the cytology of red clover. Z. P. Shuteva. *Bot. zhur.* 50 no. 3:385-397 Mr '65.  
Significance of cytological data for the classification and phylogeny of Pteridophyta. A. E. Bobrov. *Bot. zhur.* 50 no. 3:441-445 Mr '65.  
Types of polyploidization and reduction of chromosome sets. V. K. Shcherbakov. *Tsitologiya* 4 no. 5:477-489 S-O '62.

## CHROMOSOMES

Analysis of the aftereffect of gamma rays and 660 Mev energy protons in chromosomes. V. V. Khvostova, L. V. Nevsgodina, N. P. Dubinin. *Dokl. AN SSSR* 161 no. 5:1210-1221 Ap '65.  
Change in the rate of chromosome reorganization induced by ethylenimine in the first mitosis of pea rootlets. S. A. Gostimskii, V. V. Khvostova. *Dokl. AN SSSR* 162 no. 1:187-200 My '65.  
Chromosomal changes in patients with Turner's syndrome. B. N. Kiosovskii, B. V. Lebedev, T. B. Mladkovskaya. *Probl. endok. i gorm.* 11 no. 1:54-57 Ja-F '65.  
Chromosomes and the organism. A. A. Prokof'eva-Bel'govskaya. *Priroda* 54 no. 5:20-27 My '65.  
Comparative karyological study of some onion species of the section Rhiziridium Don. L. I. Vakhina. *Bot. zhur.* 50 no. 3:387-394 Mr '65.  
DNA replication in homologous human chromosomes. A. A. Prokof'eva-Bel'govskaya, S. I. Slezinger. *Dokl. AN SSSR* 162 no. 3:681-684 My '65.  
Effect of temperature and oxygen on the rate of chromosomal aberrations in tomatoes induced by subjecting their seeds to irradiation. M. I. Kulik. *Dokl. AN SSSR* 162 no. 4:923-931 Je '65.  
Frequency of spontaneous and radiation-induced chromosomal aberrations in the marrow of mice of various ages. I. U. S. Bocharov, V. F. Savitskii. *Izv. AN Kazakh. SSR. Ser. biol. nauk* 3 no. 2:95-99 Mr.-Ap '65.  
Karyogram of mice of the inbred line C57B1/GIF. F. Wigner, A. Bede, A. Abraham. *Biol. eksp. biol. i med.* 50 no. 4:103-105 Ap '65.

Kruniants, I. L., and V. G. Aslakhova. [Challenge to a great secret] *Vyzov velikoi faime*. Moskva, Izd-vo "Znanie", 1965. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya Estestvoznaniye i religiya, no. 5)

## CHROMOSOMES—SPECTRA

Chromosome mutation spectrum at different levels of natural cell mutation. N. I. Dubinin, V. K. Shcherbakov, G. N. Kesler. *Dokl. AN SSSR* 161 no. 6:1434-1436 Ap '65.

## CHRONOGRAPH

New instruments. *Sots. trud* 10 no. 2:108-110 '65.

## CHRYSOHITE

(see also subdivision under Georgia)  
Nonequivalence of bivalent magnesium and iron in the formation of olivines from silicate melts. G. A. Rashin. *Zap. Vses. min. ob-va* 94 no. 2:184-179 '65.

## CHRYSOSTOMUS, JOANNES, Saint, Patriarch of Constantinople, d. 407

Christen churches and the divine service at the time of Saint Joannes Chrysostomus (to be continued) *Metropol. itan. N. I. Zhur. Mosk. Patri.* no. 5:65-73 '65.

## CHUBINSA VHVILI, GEORGI NIKOLAEVICH, 1885-

Davidze, Vakhtang. [Georgii Chubinsavili Tbilisi, Nakaduli] 1963. 85 p. (Nashi slavye sovremeniki) [In Georgian] (MII)

## CHUBUKIN, NIKOLAI SERGEYEVICH, 1911-1965

N. S. Chubukin. *Mos. Ind. SSR* 36 no. 2:63 '65.

## CHUCKS

Floating chuck. L. Tiuremaki. *Mashinostroitel'* no. 4: 13 Ap '65.

## CHUDAKOV, NIKOLAI GRIGOR'EVICH, 1905-

Nikolai Grigor'evich Chudakov, on his 60th birthday. D. N. Lenskoi, I. V. Linnik. *Usp. nat. nauk* 20 no. 2:237-240 Mr.-Ap '65.

## CHUKCHI

Vdovin, I. S. [Essays on the history and ethnography of the Chukchi] *Ocherki istorii i etnografii chukchei*, Moskva, Nauka, 1965. 402 p.

## CHUKCHI NATIONAL AREA—COLD STORAGE WAREHOUSES

Varieties of underground cold storage warehouses. M. P. Glushnev. *Zap. Chuk. kraeved. muz.* no. 3:5-7 '62.

## CHUKCHI NATIONAL AREA—EDUCATION

From the history of the cultural development in the U.S.S.R.; main stages of the cultural development in the Chukchi National Area. S. P. Nefedova. *Vest. LGU* 20 no. 8:39-45 '65.

## CHUKCHI NATIONAL AREA—ESKIMOS—ANTIQUITIES

Old Eskimo burial mounds in the Chukchi National Area. S. A. Anisimov, D. A. Sergeev. *Zap. Chuk. kraeved. muz.* no. 3:13-20 '62.

## CHUKCHI NATIONAL AREA—ESKIMOS—CRANIOLGY

Anthropological materials from early Eskimo burial mounds. M. G. Levin. *Zap. Chuk. kraeved. muz.* no. 3:25-26 '62.

## CHUKCHI NATIONAL AREA—HELMINTHOLOGY

On the helminths of the Chukchi National Area. N. I. Ovsukova. *Zap. Chuk. kraeved. muz.* no. 3:11-12 '62.

## CHUKCHI NATIONAL AREA—VEGETABLE GARDENING

Prospects for developing vegetable growing in the Chukchi National Area. A. I. Komosov. *Zap. Chuk. kraeved. muz.* no. 3:3-4 '62.

## CHUKCHI NATIONAL AREA—WHALES IN ART

Ancient sculptural images of whales. R. I. Zhurov, D. A. Sergeev. *Zap. Chuk. kraeved. muz.* no. 3:21-24 '62.

## CHUKCHI NATIONAL AREA—ZOOLOGY—CATALOGS AND COLLECTIONS

Catalog of the collection of fauna of the Chukchi National Area at the Chukchi Regional Study Museum. V. N. Tarkhova, V. S. Tarkhov. *Zap. Chuk. kraeved. muz.* no. 3:27-28 '62.

## CHUKCHI PENINSULA—AMMONOIDEA

Straight Nerite ammonoids on the Chukchi Peninsula. A. I. Afitskii. *Priroda* 54 no. 4:87-88 Ap '65.

## CHUKCHI PENINSULA—HISTORY

Vdovin, I. S. [Essays on the history and ethnography of the Chukchi] *Ocherki istorii i etnografii chukchei*, Moskva, Nauka, 1965. 402 p.

## CHURCH

[Religion and the church] *O religii i tserkvi; sbornik dokumentov*. Moskva, Politizdat, 1965. 127 p.

## CHURCH AND SOCIAL PROBLEMS

Vysheislavtsov, B. P. [Christianity and the social question] Khristiansvo i sotsial'nyi vopros. [n.p.] 1962. 37 p. (NIP)

CHURCH AND STATE see subdivision under Germany, West, Mexico

## CHURCH MUSIC

Statkevichute, L. I. [Art and religion (based on music materials); author's abstract of a dissertation for the Degree of Candidate of Philosophical Sciences] Iskusstvo i religia (na materialakh muzyki); avtoreferat disertatsii na soiskanie uchenoj stepeni kandidata filosofskikh nauk. Nauchn. rukovoditel' I. D. Pankshava, Moskva, Mosk. gos. univ., 1964 15 p. [MICROFILM]

## CHURCH SLAVIC LANGUAGE—GRAMMAR

Stanivskiy, M. F. [The Old Church Slavic language] Staroslavians'ka mova. [Kharkiv] Vyd-vo L'vivs'koho univ., 1964 469 p.

## CHUVASHIA—EDUCATION

Ulianova family and the education of Chuvashes N. G. Krasnov Pedag. 28 no. 4 81-85 Ap '65

## CHUVASHIA—INSURANCE, SOCIAL—EMPLOYEES

They follow her example A. Trofimov, Sots. obespe. 26 no. 4 18-19 Ap '65

## CHUVASHIA—LAW—STUDY AND TEACHING

Work experience of people's universities of law in Chuvashia. N. Ogursov Sov. iust. 28 no. 12 22-23 Je '64

## CHUVASHIA—TULAREMIA

Experience in detecting natural foci of tularemia on the territory of the Chuvash A. S. S. R. G. P. Uglov and others Zhur. mikrobiol., epid. i immun. 42 no. 4 21-25 Ap '65

## CHUVASHIA—WORLD WAR, 1939-1945—BIOGRAPHY

Cheboksary. Chuvashskii nauchno-issledovatel'skii institut iazyka, literatury, istorii i ekonomiki. [Our fellow countrymen, heroes of the Soviet Union] Nashi zemlaki - geroi Sovetskogo Soyuza. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1964. 288 p. (WU)

CICADA see subdivision under Moldavia

## CILIARY BODY

Effect of an interruption of the central pathways of the sensory innervation of the eye on the secretory activity of the ciliary body N. V. Bezaurov and others. Fiziol. zhur. 51 no. 3 325-329 Mr '65.

## CILIARY BODY—DISEASES

Normal and pathological anatomy of the ciliary processes, T. P. Shmeleva Trudy I-go MMI 32:147-163 '64.

## CILIATA

Physiological gradients of the inshorean Spirostomum ambiguum. L. N. Seravin. TSitologiya 4 no. 5:545-554 S-O '62.

## CIMMERIAN BOSPORUS (KINGDOM)—ANTIQUITIES

The 3d-4th century A. D. Bosphorus in the light of new studies by archaeologists I. T. Kruglikova Krat. soob. Inst. arkheol. no. 103:3-10 '65

## CIMMERIAN BOSPORUS (KINGDOM)—CLASSICAL ANTIQUITIES

Excavations in Ceph in 1962. N. I. Sokol'skii. Krat. soob. Inst. arkheol. no. 103:108-118 '65  
The Myrmæcium fossil ash layers—"askars." V. F. Gaidukevich Krat. soob. Inst. arkheol. no. 103:28-37 '65.

## CIMMERIAN BOSPORUS (KINGDOM)—COMMERCE—PERGAMUM

Pergamum Import to Bosphorus in the second century B. C. I. G. Shurgala Krat. soob. Inst. arkheol. no. 103:41-44 '65.

## CIMMERIAN BOSPORUS (KINGDOM)—EXCAVATIONS (ARCHAEOLOGY)

Excavations in Ceph in 1962. N. I. Sokol'skii. Krat. soob. Inst. arkheol. no. 103:108-118 '65.

## CIMMERIAN BOSPORUS (KINGDOM)—FOUNDRIES—EQUIPMENT AND SUPPLIES

Founder's mould from Myrmæcium. V. P. Pruglo. Krat. soob. Inst. arkheol. no. 103:104-107 '65.

## CINCHONINIC ACID

Photometric determination of copper in magnesium and magnesium alloys by means of bichinchonic acid. V. N. Tikhonov, I. S. Mustafin. Zhur. anal. khim. 20 no. 3:390-392 '65.

CINNABAR see subdivision under Altai Mountains; Kharaulakh Range

## CINNAMALDEHYDE

Hydrogenation of cinnamaldehyde on a nickel catalyst in the presence of pyridine and mercury. D. V. Sokol'skii, K. Z. Bel'skov Vest. AN Kazakh. SSR 21 no. 4 71-73 Ap '65.

CINNAMIC ACID—EFFECT ON PLANTS see Plants, Effect of cinnamic acid on

CITIES AND TOWNS see subdivision under Bessarabia, Georgia

## CITIES AND TOWNS—CLASSIFICATION

Synthetic types of Soviet cities. E. V. Knobel'sadov, Izv. Vses. geog. ob-va 97 no. 2:119-127 Mr-Apr '65

CITIES AND TOWNS, RUINED, EXTINCT, ETC. see subdivision under Black Sea region, Mikhaylovka region (Ukraine); Yevpatoriya region (Ukraine)

## CITRATES

Citrate complexes of trivalent indium V. K. Zolotukhin, Z. G. Galanets T. I. Monchak Ukr. khim. zhur. 31 no. 4:342-347 '65

Lysogenic conversions of citrate resistance in Actinomyces venezuelae. I. A. I. Rautenstain, N. F. Fadeeva Dokl. AN SSSR 161 no. 6:1441-1443 Ap '65.

## CITRIC ACID

Application of cationizing in the recovery of citric acid from cotton waste. N. U. Rizaev and others, Izv. vys. ucheb. zav., pishch. tekhn. no. 1:174-175 '65

## CITRIC ACID IN THE BODY

Mechanism and enzymes of the conversion of citric acid into acyl phosphates in animal tissues M. P. Ilyul, T. M. Pechanova, L. I. Matusevich Ukr. biokhim. zhur. 37 no. 1 56-69 '65

## CITY PLANNING

(see also subdivision under Grodno, Moscow)

Cities of the near future. L. Arlatov. Inform. biul. VDNKH no. 4:17-19 Ap '65.

City under a single roof E. Dobrovolskii. Izobr. i rati no. 4 10-11, 33 '65.

Study of landforms for the purpose of city planning. I. A. R. Dorfman. Geog. sbor. L'vov. otd. Geog. ob-va SSSR no. 8 64-70 '64.

Tosunova, M. I. [Planning of cities and populated localities, design principles] Planirovka gorodov i naselenykh mest, osnovy proektirovaniia, Moskva, Vysshaya shkola, 1965. 189 p.

CITY TRAFFIC—ACCOUNTING see subdivision under Gorky

CIVIL AIR DEFENSES see Air defenses, Civil

## CIVIL DEFENSE

Coordination was lacking. A. Skorlukova. Voen. znan. 41 no. 3:26 Mr '65.

Develop the tactics of formations. O. Tolstikov. Voen. znan. 41 no. 6 2-3 Je '65

In the Tambov libraries. A. Sal'kova. Voen. znan. 41 no. 3:22 Mr '65.

Inspections. They have already begun. Voen. znan. 41 no. 5:20 My '65.

Not a parade, but an inspection. P. Gusev, N. Nakitin. Voen. znan. 41 no. 3:24-25 Mr '65

A plane conducts reconnaissance. M. Tuzhilkin. Voen. znan. 41 no. 5:27 My '65

Propaganda should be expanded. Voen. znan. 41 no. 6 20-21 Je '65.

With coordinated brigades. I. Veshnikov, D. Voskoboinik. Voen. znan. 41 no. 3:27 Mr '65

The workers changed shifts. I. Mikhailov. Voen. znan. 41 no. 5:27 My '65.

## CIVIL DEFENSE—COMMUNICATION SYSTEMS

Tested and confirmed. S. Kosikhin, A. Iakovitskii. Voen. znan. 41 no. 5:26-28 My '65.

## CIVIL DEFENSE—STUDY AND TEACHING

High organization for instruction. G. Isakov. Voen. znan. 41 no. 3:16-17 Mr '65

Practicing even on objects. V. Morozov. Voen. znan. 41 no. 5:26-28 Je '65.

## CIVIL LAW

(see also subdivision under Estonia; Kazakhstan; Tajikistan)

Improve the determination of civil litigations between citizens by community panels. K. Ildel'son. Sov. iust. 28 no. 7:6-9 Ap '65.

Protection of property and private rights of citizens by advocate M. Tobolovskaya Sov. iust. 28 no. 10:13-15 My '65.

## CIVIL LAW—CASES

(see also subdivision under Ukraine)

Decisions of the Plenum of the Supreme Court of the U. S. S. R. in specific cases. Biul. Verkh. Suda no. 2; 15-33 '65.

## CIVIL PROCEDURE

(see also subdivision under Kazakhstan; Ukraine)  
Participation of the public in the judicial determination of civil cases M. Shkarian Sov. iust. 28 no. 10:6-11 My '65

## CIVIL RIGHTS

(see also subdivision under Europe, Eastern)

International Year of Human Rights. IA Arkad'ev Rad. pravo 28 no. 3:109-114 My-Je '65

CIVILIZATION AND TECHNOLOGY see Technology and civilization

## CLARINET

Blagodatov, G. I. [The clarinet] Klarinet. Moskva, Muzyka, 1965. 58 p. (Muzyka'l'nye instrumenty)

## CLASSIFICATION, DECIMAL

Use of the universal decimal classification for the systematization and search of scientific and technical literature I. D. Korovnikova Tekst. prom. 25 no. 4: Ap '65.

## CLAVICLE—FRACTURE

Osteosynthesis of the clavicle with capron thread. A. A. Fedorov Vest. khir. 92 no. 6 104 Je '64

## CLAY

(see also subdivision under Moldavia; Siberia; Uzbekistan, Valda Hills; Volga Valley)

Change of clay structure under hydrostatic compression. V. S. Shibaikova Vest. Mosk. un. Ser. 4: Geol. 20 no. 2: 80-93 Mr-Apr '65

Controlling the processes of coagulation structuration in aqueous clay dispersions. N. N. Kruglitskii and others. Ukr. khim. zhur. 31 no. 4 421-422 '65.

Practice in the use of an electronographic attachment for the EM-3 electron microscope in the study of clay minerals. R. A. Shakhova. Min. sbor. 18 no. 1:107-109 '61

Rapid method for determining the total capacity of exchange of clays. O. L. Alekseev. Ukr. khim. zhur. 31 no. 1:114-116 '65.

Structure-forming processes in stabilized aqueous dispersions of polygorskite-montmorillonite clays M. M. Krutiyak, F. D. Ovcharenko, V. I. T. el'mnik. Dop. AN URSR no. 5:612-615 '65

CLAY—ANALYSIS see subdivision under Stalin District

## CLEANING COMPOUNDS

Effect of electrolytes on the detergency of alkyl sulfonates. M. P. Besplatov, O. B. Volkova, V. I. Katinichenko. Maslozhir. prom. 31 no. 2:16-18 F '65.

Experience in the industrial utilization of alkyl sulfonates in the manufacture of synthetic detergents O. B. Volkova and others Maslozhir. prom. 31 no. 3:34-35 Mr '65.

Using the method of direct sulfonation in the production of detergents based on the alcohols of unsaponifiables-II. S. F. Kiporenko and others. Maslozhir. prom. 31 no. 4:35-38 Ap '65.

CLEARING OF LAND see subdivision under Lugna District

## CLEARING OF LAND—EQUIPMENT AND SUPPLIES

(see also subdivision under Krasnoyarsk Territory)

Studying the process of cutting the wood of a newly "laid" shrub using a knife across the fibers under normal pressure. A. V. Kamashov. Trudy VNIIGIM 44:143-148 '64.

Use of a hammer brush cutter in the reclamation of new lands. D. Kozlov. Tekh. v sel'khoz. 28 no. 4:35-38 Ap '65

## CLEMATIS

Triterpenic saponins. Report No. 15: Clematiside C, a triterpenic oligoside from roots of Clematis manshurica Rupr. A. I. A. Khorlin, V. I. A. Chirva, N. K. Kochetkov. Izv. AN SSSR. Ser. khim. no. 5:911-918 '65.

CLERKS (RETAIL TRADE) see subdivision under Simferopol'

## CLIMACTERIC

Aminazine therapy of climacteric neurosis patients. N. A. Georgi, Akush. i gin. 40 no. 5:129-134 S-O '64. Excretion of fractions of 17-ketosteroids with the urine during the postmenopausal period in women with and without a climacteric neurosis. O. I. A. Korneev. Probl. endok. i gorm. 11 no. 1:39-48 Ja-F '65.

CLIMATE AND ARCHITECTURE see Architecture and climate

## CLIMATOLOGY

(see also subdivision 'Climate' under Abkhazia; Antarctic regions, Buryat A. S. S. R.; Georgia)

Infiltrated and evaporated concentrations of mineral matter as the climatic genotypes of mineral deposits and their correlation. I. I. Bok. Izv. AN Kazakh. SSR. Ser. geol. 22 no. 2:3-16 Mr-Apr '65.

Possibilities of improving the evaluations of climatic norms. G. A. Karpeev. Meteor. i gidrol. no. 6:17-13 Je '65.

- CLIMATOLOGY, MEDICAL**  
(see also subdivision under Antarctic regions, Baku)  
Possibility of living in particular climate regions based on the health state of servicemen S F Gilev Voen-med zhur no 9 32-35 '61.
- CLOCKS AND WATCHES**  
Musical alarm clocks. N Akopian Prom. Atm. 8 no. 3, 31-32 Mr '65.
- CLOSTRIDIUM**  
(see also subdivision under Moldavia, Tajikistan, Uzbekistan)  
Development of toxigenic strains of a Clostridium perfringens culture in canned food S A. Nikolova, N N Mazokhina Vop. pit 23 no. 5 71-74 S-O '61.  
Fluorescent antibody technique in the detection of tetanus bacilli IA I Alekseyevich, IA G. Kishko Voen-med zhur no. 10 97-98 '64.
- CLOSTRIDIUM—CULTURES AND CULTURE MEDIA**  
Dynamics of the changes in the oxidation-reduction potential (rH<sub>2</sub>) and morphology of Clostridium perfringens culture in the process of toxin formation on semisynthetic nutrient medium V. S. Samsonova and others. Zhur mikrobiol., epid i immun 12 no 4 137-141 Apr '65.  
Immunochromatol study of tetanus culture filtrates in the process of detoxication A. U. Il'itovich and others Zhur mikrobiol., epid i immun 12 no. 4 73-78 Apr '65.
- CLOTHES DRYERS**  
Centrifugal wringing of clothes in a washer-dryer. V A Minaev-Tsitkanovskii Nov. tekhn. zhil-kom; Blegomst. gos. [no 1]; 90-103 '61.
- CLOTHING, PROTECTIVE**  
Gas shields for workers in chemical plants. P. M. Solov'ev. Bezop. truda v prom. 9 no. 5:46-49 My '65.
- CLOTHING INDUSTRY**  
(see also subdivision under Moscow)  
Reorganization of the assortment of products and planning. I. A. Maizlin Tekst. prom 25 no 5 70-74 My '65.
- CLOTHING INDUSTRY—ACCOUNTING** see subdivision under Baranovichi (White Russia), Moscow
- CLOTHING INDUSTRY—MANAGEMENT**  
Clothing production and trade. N. Gollakov. Sov. torg. 36 no. 1:19-23 Apr '65.
- CLOTHING INDUSTRY—PRODUCTION STANDARDS**  
Precision in the establishment of norms for fabric expenditure in the clothing industry I M. Kudin, N. A. Adamova Izv. vys. ucheb. zav., tekhn. leg. prom. no 2: 22-28 '65.
- CLOTHING INDUSTRY—QUALITY CONTROL** see subdivision under South Ural Economic region
- CLOUD PHYSICS**  
Calculation of cloud covers E. M. Feigel'son, N. G. Plova, Izv. AN SSSR, Fiz. atm. i okeana 1 no. 3:241-247 Mr '65.  
Effect of electrical forces on the coagulation of particles of comparable sizes N. V. Kraenigorakina, Izv. AN SSSR, Fiz. atm. i okeana 1 no. 3 339-345 Mr '65.  
Relation of microstructure parameters to convective motions in clouds. N. I. Vul'fson, N. A. Chuak, V. I. Skatskii, Izv. AN SSSR, Fiz. atm. i okeana 1 no 1: 76-83 Jan '65.  
Some possibilities of studying the heat and moisture exchange in the atmosphere. E. M. Feigel'son, Izv. AN SSSR, Fiz. atm. i okeana 1 no 1:33-44 Jan '65.  
Some regularities in the distribution of large particles in clouds of various forms. A. M. Borovikov, I. P. Mazin, A. N. Nevozin, Izv. AN SSSR, Fiz. atm. i okeana 1 no 3: 291-301 Mr '65.  
Theory of dissipation of stratus clouds in a nonturbulent atmosphere in the presence of descending vertical motions. IU. V. Shulepov, M. V. Butkov, Izv. AN SSSR, Fiz. atm. i okeana 1 no. 3 248-257 Mr '65.
- CLOUD PHYSICS—MATHEMATICAL MODELS**  
Determining the collision efficiency of cloud particles of comparable sizes by a model experiment. V. G. Khorguan, Izv. AN SSSR, Fiz. atm. i okeana 1 no. 2:208-213 F '65.
- CLUB MOSSES**  
Separation of Lycopodium selago alkaloids and their medicinal forms. I. H. Shvahr P. E. Rozenberg Farmats. zhur. 18 no 1:49-51 '64.
- CLUBROOT**  
Effect of boron and hydrogen peroxide on the infection of cabbage with clubroot. V. V. Mazin. Biol. Glav. bot. sada no. 56:78-81 '64.
- CLUTCHES (MACHINERY)**  
Contactless electromagnetic clutch. V. G. Plotnikov. Vest. aviaz. 25 no. 3:10-11 Mr '65.  
Designing clutches with a toroidal rubber-cord flexible element D. N. Reshetov, O. A. Riashkovskii Vest. mashinost. 45 no 4:20-26 Apr '65.
- COAGULATION**  
Effect of ultrasound on the coagulation structures of aqueous dispersions of kaolinite and monomethyl N. N. Kruglikov and others Dokl. AN SSSR 162 no. 1: 861-864 Jan '65.  
Principles of the automatic optimization of the regime of dosing of a coagulant for contact clarifiers. L. Sh. Kagan-Barakid, Nauch. trudy AKKH no. 22 '63. Vol. no. 3:148-153 '63.  
Rate of Brownian coagulation of aerosols in thirteen-moment approximation. A. V. Astakhov, Dokl. AN SSSR 161 no. 5:1114-1117 Apr '65.
- COAL**  
Nature of the systems of conjugate bonds in coals. R. N. Smirnov, N. M. Karavayev Dokl. AN SSSR 162 no 3: 597-599 My '65.
- COAL—ANALYSIS**  
(see also subdivision under Kazakhstan)  
Automatic coal sampler. L. F. Dolina, IU. A. Lashinov, Ugol' Ukr 9 no. 5 33-37 My '65.  
Petriographic composition of some coals of the U.S.S.R. A. A. Larishchev, Sov. geol. 4 no. 3:100-105 '65.  
Water soluble acids from the oxidized coals of a parma-front zone. N. M. Karavayev, R. A. Vaser, K. V. Grigor'eva Dokl. AN SSSR 161 no 5:1197-1200 Apr '65.
- COAL—CARBONIZATION**  
Effect of the compacting of coal charges on the coking capacity. N. D. Dangadze, V. M. Kakabadze Sov. AN Gruz SSR 37 no 3:603-610 Mr '65.
- COAL—METHANE CONTENT**  
Calculating the potential methane capacity of coals on the basis of the anisotropic component composition and degree of metamorphism A. P. Bakaldina, Izv. vys. ucheb. zav., geol. i razv. 7 no. 1:54-58 N '64.
- COAL—PLASTIC PROPERTIES** see subdivision under Kuznetsk Basin
- COAL—TRANSPORTATION**  
Comprehensive economic evaluation of the transportation of coal for power production. M. Dubrovina, V. Mikhailov, Bezh. t. snop. 24 no 4:119-118 '65.
- COAL, PULVERIZED**  
OGRES, trust, Moscow. [Automation of pulverized coal systems with ball mills] Avtomatizatsiya pylesistem s sharovymi barabanami mol'nitsami. Moskva, Energiya, 1965. 103 p.  
Production of highly dispersed carbon graphite materials. I. V. Temkin, Porosh. met 5 no 1:6-15 M '65.
- COAL GEOLOGY**  
(see also subdivision under Pechora Basin, Pokut'ye)  
Structure of the working face area of a coal seam. A. S. Tsyral'nykov, I. A. Tr'omlin, V. F. Mikitchenko Dop. AN URSR no 5:605-607 '65.
- COAL MINERS**  
In their fathers' footsteps. I. Butin, Sov. shakht. 14 no 4: 12-14 Apr '65.  
A minor step into the future. L. Rubtsova Sov. shakht. 14 no. 4:15-10 Apr '65.  
Test engineers? But that's not all! P. Andreev. Sov. shakht. 14 no. 4:8-9 Apr '65.  
A wonderful combination. N. Rabicheva, M. Pargamen-sherfil, Sov. shakht. 14 no. 4:10-11 Apr '65.
- COAL MINERS—EDUCATION AND TRAINING**  
Coal miner, Ivan Korotenko. N. Budra. Sov. shakht. 14 no. 4:40 Apr '65.  
Miners exchange their progressive practices. F. Rozenberg. Prof. tekhn. obr. 22 no. 2:20 F '65.
- COAL MINERS—RECREATION** see subdivision under Pechora Basin
- COAL MINES AND MINING**  
(see also subdivision under Donetsk Basin; Karaganda Basin; Kazakhstan, Kizel Basin; Kuznetsk Basin; Lvov-Volyn' Basin; Pechora Basin)  
Along the path of technical progress. A. Kuz'mich, Sov. shakht. 14 no. 4:5-7 Apr '65.  
Caving of the roof without battery stulls in flat seam longwalls. A. M. Naizyash, A. M. Novitskii, Ugol' Ukr. 9 no. 4:10-11 Apr '65.  
Communist labor is creative labor. V. Kochetov and others. Sov. shakht. 14 no. 4:20-25 Apr '65.  
Completion of a wing of a mining area by several simultaneously working longwall mining teams using the variant of a longwall mining team per level. P. A. Borodin, M. A. Moiseev Ugol' Ukr 9 no. 4:27-30 Apr '65.  
Effect of the rate of face advancement on the stability of the outcropping of wall rock. B. Sh. Vinokur Ugol' 40 no. 4:41-42 Apr '65.
- Efficient parameters of arranging lateral workings during the mining of flat seams A. M. Fedko Ugol' Ukr 9 no 5:19-20 My '65.  
Even this is not the limit V. Kotov, M. Vysokov. Sov. shakht. 14 no 4:18-19 Apr '65.  
For an early fulfillment of the seven year plan B. F. Seletskii Ugol' Ukr 9 no 5:7-9 My '65.  
In their fathers' footsteps I. Butin. Sov. shakht. 14 no. 4:12-14 Apr '65.  
Influence of overlying seam pressure on the timbering in major workings of deep mines IU. M. Basinskii Ugol' Ukr 9 no 4:7-10 Apr '65.  
Limitations and ways of eliminating them in the efficient use of complex and machines in longwalls A. P. Snodoplatov, V. M. Lyko. Ugol' Ukr 9 no 4:1-6 Apr '65.  
Making 2,071 meters of lateral haulage drift in 31 working days V. D. Nikitin and others Shakht. stroi 9 no. 4:15-17 Apr '65.  
Mine depressions and grouping of seams. B. S. Lokshin, IU. N. Babits Ugol' 40 no 1:24 25 Apr '65.  
More coal for the national economy. Ugol' Ukr 9 no 5:1-1 My '65.  
People with drive achieve success G. Piatkovskii Sov. shakht. 14 no 4:30 Apr '65.  
Removal of rock during the mining of inclined workings with the help of the "Proshchichik" machine A. Z. Ortnov, I. V. Rukhtsov. Shakht. stroi 9 no. 4:23-24 Apr '65.  
Rock cleavage and manifestation of rock pressure I. V. Jatch Ugol' 40 no 1:37-39 Apr '65.  
Scraper haulage of coal in the making of cross cuts and cross holes A. G. Doroshenko, IU. F. Savenko, A. A. Danilov, Ugol' 40 no. 4:56-58 Apr '65.  
Scrape-plow mining of coal on flat and inclined seams. D. I. Goncharenko and others, Ugol' Ukr 9 no 5:17-19 My '65.  
Section boss. P. Bakulin, Sov. shakht. 14 no 4:17 Apr '65.  
Size of the maximum permissible over all mine depression. V. S. Pak and others Ugol' 40 no 4:22-23 Apr '65.  
Structure of the working face area of a coal seam. A. S. Tsyral'nykov, I. A. Tr'omlin, V. F. Mikitchenko Dop. AN URSR no 5:605-607 '65.  
Under the direct leadership of Lenin E. Satonov Sov. shakht. 14 no. 4:1-2 Apr '65.  
Use of movable caving racks in drifting. A. I. Sokolov, Ugol' Ukr. 9 no. 5:10-11 My '65.  
Working out a mine area without the use of floor pillars. M. F. Glushchenko Ugol' Ukr 9 no 5:38-40 My '65.
- COAL MINES AND MINING—CONGRESSES**  
At the conference on the automation of industrial processes. B. M. Shcharanskii. Ugol' Ukr. 9 no. 4 55-56 Apr '65.  
Joint statement by the Federation of Miners in India and the Central Committee of the Trade Union of workers in the coal industry of the U.S.S.R. A. Semenov, K. Rol Sov. shakht. 14 no 4:46 Apr '65.  
Meeting of the Central Scientific Technological Society for the problem of deep mines. V. I. Grigor'ev, K. K. Gendel', Ugol' Ukr. 9 no. 1:56 Apr '65.  
Seminar on the exchange of modern practices of collectives of communist labor P. I. A. Rozenberg Ugol' Ukr 9 no. 5:55-56 My '65.
- COAL MINES AND MINING—COSTS**  
Economic advantage of introducing the UMR cutter-loader for use in a mining area of short length. E. N. Bratkov Ugol' Ukr. 9 no. 4:31 Apr '65.  
Improve the calculation of the cost of coal production. L. Gumenjuk Budyg. uch. 21 no 10:40-50 O '64.
- COAL MINES AND MINING—EQUIPMENT AND SUPPLIES**  
In institutes and laboratories. B. Petrov and others. Sov. shakht. 14 no. 4:28-29 Apr '65.  
The KM-87 unit has been mastered. A. M. Kornilevskii, Ugol' Ukr. 9 no. 5:5-6 My '65.
- COAL MINES AND MINING—FINANCE** see subdivision under Donetsk Basin; Kuznetsk Basin
- COAL MINES AND MINING—FIRES AND FIRE PREVENTION**  
(see also subdivision under Kuznetsk Basin)  
Determining the tendency of coal toward spontaneous combustion according to core samples taken from faces of exploratory boreholes V. M. Maevskina. Nauch. zap. VostNI, no. 1:50-57 '61.  
Effect of the size of the overall mine depression on the spontaneous combustion of coal. L. P. Tomashchuk, Ugol' 40 no. 4:18-21 Apr '65.  
Fire hazard in the shield mining system in relation to the area of its use. A. B. Zakharov, V. A. Moiseev Nauch. zap. VostNI no. 1 68-73 '61.  
New method of preventing the spontaneous combustion of coal. G. I. Babichev and others. Bezop. truda v prom 9 no. 4:12-14 Apr '65.

## COAL MINES AND MINING—LABOR PRODUCTIVITY

(see also subdivision under Karaganda Basin)  
Making 330 meters of a two-lane haulage drift in one month I N Iakovenko Ugol' Ukr 9 no 4 36-38 Ap '65

New record set by the miners of I D. Zinchenko's brigade, N T Gubin, P B Kraizel'burd Ugol' Ukr 9 no 4 32-33 Ap '65

Rapid underground mine workers V Kramarenko Sov shakht 14 no 4 26-27 Ap '65  
Technical progress in Krasnoluchugol' Trust mines P S Ermachenko Ugol' Ukr 9 no 4 33-36 Ap '65

## COAL MINES AND MINING—MANAGEMENT

Away from the issue at hand V Vafolomeev Sov shakht 14 no 1 35 Ap '65

In the reception room of the Mining Committee I Kofanov Sov shakht 14 no 4 34-35 Ap '65

Network planning and prospects for its use in the coal industry A P Sudoplatov R V Orlov, A M Piatkin Ugol' 40 no 4 26-30 Ap '65

Using the PEIT system for planning the expansion of mining operations in a mine A S Burchakov and others Ugol' 40 no 4 30-34 Ap '65

## COAL MINES AND MINING—SAFETY MEASURES

(see also subdivision under Donets Basin, Kuznetsk Basin)

Combating traumatism during the underground mining of coal S P Zhuravlev, E G Vasetskiy Bezop truda v prom. 9 no 4 29-32 Ap '65

Effect of wetting on gas liberation from coal O I Chernov, V N Puzirev, Ugol' 40 no 4 62-66 Ap '65.

Labor safety is the business of every miner N Nechaev Sov shakht 14 no 4 42 Ap '65

Methane liberation during the operation of narrow-cut h-52m complexes in a high gas content seam S N Osipov, E I Brzhetskii, A M Grigorash Ugol' Ukr 9 no 4 48-50 Ap '65

Methods of controlling gas liberation in the space near the face V A Boiko, B E Gletsiner Ugol' Ukr 9 no 4 50-52 Ap '65

Using electric power in coal mines, N F. Shishkin and others Ugol' 40 no 1 14-18 Ap '65

## COAL MINES AND MINING—TABLES, CALCULATIONS, ETC.

Results of correlating the work practices of leading cutter-loader brigades in mining flat seams B K Kuklin, E M Dobrianskaya B A Bogdan Ugol' Ukr 9 no 4 23-27 Ap '65

## COAL MINING MACHINERY

(see also subdivision under Donets Basin)

Along the path of technical progress A Kuz'mich Sov shakht 14 no 4 5-7 Ap '65

Drifting 2,075 running meters in one month with the PKG-3 cutter-loader at the "Badaevskie ukolny" mine A I Khalimov, V V Bulatov, G G Vladimirov Ugol' 40 no 4 6-10 Ap '65

Economic advantage of introducing the UKR cutter-loader for use in a mining area of short length E N Bratkov, Ugol' Ukr 9 no 4 31 Ap '65

In institutes and laboratories B Petrov and others Sov shakht 14 no 4 28-29 Ap '65.  
Limitations and ways of eliminating them in the efficient use of complexes and machines in longwalls A P Sudoplatov, V M Zыkov Ugol' Ukr 9 no 4 1-6 Ap '65

Make more use of plow-scraper mining of coal S I A. Petrenko, IU F Savenko Bezop truda v prom. 9 no 4 15-16 Ap '65.

Methane liberation during the operation of narrow-cut h-52m complexes in a high gas content seam S N Osipov, E I Brzhetskii, A M Grigorash Ugol' Ukr 9 no 4 48-50 Ap '65

Powered supports at mines of the Donetsugol' Trust V I Chebanov Ugol' Ukr 9 no 5 10-12 My '65.

Record production of coal with the use of a plow Ugol' 40 no 4 6 Ap '65.

Removal of rock during the mining of inclined workings with the help of the "Prokhodchik" machine. A B. Ortner, I V Rubtsov Shakht stroi 9 no 4 23-24 Ap '65

Scraper-plow mining of coal on flat and inclined seams, D I Goncharenko and others Ugol' Ukr 9 no 5 17-19 My '65

Some results of and immediate tasks for the introduction of efficient means of mechanizing stoping operations in steep Donets Basin seams M T Matveev, IU F. Shkvorsts Ugol' Ukr 9 no 4 13-18 Ap '65

Sparkproof electrical system for the remote control of cutter-loaders, K G. Velsberg, S V. Karas', E. Sh. Brunshtein Ugol' Ukr 9 no 4 19-21 Ap '65.

Test engineers' But that's not all! P. Andreev, Sov shakht, 14 no 4 8-9 Ap '65.

## COAL MINING MACHINERY—DESIGN AND CONSTRUCTION

(Calculating the efficiency of mining cutter-loaders; methods of calculation) Raschet proizvoditel'nosti gorn'nykh kombinatov; metodika rascheta, Moskva, Nedra, 1965, 66 p.

## COAL MINING MACHINERY—ELECTRIC DRIVING

Electric drives of the basic mechanisms in coal mining B S Belovikov Izv vyz ucheb zav, elektromekh 8 no 1 450-455 M '65

Using electric power in coal mines, N F. Shishkin and others Ugol' 40 no 4 14-18 Ap '65

## COAL MINING MACHINERY—PATENTS

Gornopol'skii, A. I. [Loading machinery and mining cutter-loaders] Pogruzochnye mashiny i prokhodcheskie kombainy. Moskva, Tsentr nauchno-issl. i in-t patentnoi informatsii i tekhniko-ekon. issl., 1964, 39 p. (Obzoi inostrannykh patentov)

## COAL PREPARATION

(see also subdivision under Ukraine)  
Investigating the parameters of the technological condition of the magnetohydrodynamic separation of coal S G Vessel'man, A V. Andreev Ugol' Ukr 9 no 5 11-14 My '65

## COAL PREPARATION—EQUIPMENT AND SUPPLIES

Shlaiv, A. V., L. S. Zarubin, and V. A. Trofimov, [Filtering centrifuges for the dewatering of coal] Fil'trulostichie tsentrifugi dlia obezvozhivaniia ugla, Moskva, Nedra, 1965 134 p  
Using an alternating current for feeding magnetohydrodynamic separators A M Nebrenchin Ugol' Ukr, 9 no 5 44-46 My '65.

## COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES

Mastering the use of the DNG/3 feeder on concentrators with a high moisture content A L Ostrovskii, G. I Kadesnikov, P A Komarov Koks i khim no 1 52 '65

## COAL TAR

Efficient refining of tar water, D S Petukhov, E. B. Ivanov Koks i khim no 4 43-46 '65

## COAST CHANGES

see subdivision under Sulak Bay

## COBALT

Process of sorption of nickel and cobalt cations by anion-exchange resins T V Ionatamshvili, TS S Nachkebia Sob AN Gruz SSR 37 no 3 595-602 Mr '65

Supergenic synthesis of cobalt-bearing calcium carbonate, L. K. IAKhontova, G A Sidorenko, Zap. Vses. min. ob-vn 64 no 3 208-212 '65

## COBALT—ANALYSIS

Determination of cobalt in aqueous solutions of vitamin B<sub>12</sub> V. N. Danilova, Ukr. khim. zhur. 30 no. 6 651 '64.

Platinetskii, L. V. [Analytical chemistry of cobalt] Analiticheskaya khimiia kobalta. Moskva, Nauka, 1965, 209 p. (Seria: "Analiticheskaya khimiia elementov")

## COBALT—CORROSION

Effect of the adsorption of anions on the action of inhibitors of acid corrosion of iron and cobalt, Z. A. Iofa, V. V. Batrakov, Kho Ngok Ba [Juo Ngok Pa], Zashch. met. 1 no. 1 55-62 Ja-F '65.

## COBALT—HARDENING

Heat resistance of dispersion-hardened cobalt, B. K. Opava, N. P. Zhuk, Zashch. met. 1 no. 1 99-103 Ja-F '65.

## COBALT—MAGNETIC PROPERTIES

Nucleation and growth of magnetic reversal in cobalt crystals I A. S. Shui, IU. N. Diagoshanskii Fiz met i metalloved 10 no 4 536-513 Ap '65

## COBALT—METALLOGRAPHY

Investigating transformations in cobalt during rapid heating N. F. Chernenko, Sbor nauch tuid Inst. metallofiz. AN URSR no 20 180-184 '64.

## COBALT—PHYSIOLOGICAL EFFECT

Cobalt in fish culture: biogenic migration of chemical elements in ponds, V V. Kovalevskii and others, Priroda 54 no 5 89-70 My '65

## COBALT COMPOUNDS

Aqueous reaction of cobalt (III) complex compounds in mixed aqueous-organic solutions V. D. Panastuk, A. V Arkharov Ukr. khim. zhur. 31 no 4 338-342 '65.

Infrared absorption spectra of crystals of antiferromagnetic cobalt compounds, Part I. Absorption due to Stark splitting of the main term, A. I. Zviagin, V. V. IERemenko, Ukr. fiz. zhur. 10 no 5 526-530 My '65.

Isotopic exchange of hydrogen atoms in cyclopentadienyl rings of cobaltocenium compounds, D. N. Kuranov and others, Dokl AN SSSR 181 no. 4 847-850 Ap '65.

## COBALT COMPOUNDS—SPECTRA

Infrared spectra of cobalt (III) complex compounds, N. A. Parpiev, M. A. Sarukhanov, A Ganiev, Urb. khim. zhur. 8 no 5 54-60 '64.

## COBALT ELECTRODES

see Electrodes, Cobalt

## COBALT IN THE BODY

Determining cobalt in human blood, F. M. Glebov, Trudy Khar. med. Inst. no. 36 383-388 '57.

## COBALT-IRON-NICKEL ALLOYS

see Iron-cobalt-nickel alloys

## COBALT ISOTOPES

Use of a complex cobalt compound C<sup>30</sup> in general reactions caused by radiation therapy D M. Abdusulov, A I. Nikolaev, G. S. Ikramova Med rad. 9 no 7 20-3? J1 '64

## COBALT ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of irradiation with small doses of Co<sup>60</sup> in parental species on the higher nervous activity of rats in the first generation, M. S. Alekseeva, Viki. K. Fedorov, Nauch. sob. Inst. fiziol. AN SSSR no. 3 1-7 '65.

## COBALT SALTS

Formation of a hydromorphism catalyst from cobalt salts V IU Gankin, A IA Rozovskii, D. M. Rudkovskii Neftekhimiia 5 no 1 60-61 Ja-F '65

## COCCIDIOSIS

see subdivision under Azerbaijan; Turkmenistan

## COCCIDIUM

A new species of Coccidia of cattle, V R Il'obrem, Vestsi AN BSSR, Ser. sel'sk. hosp. nav. no 1 130-131 '65.

## COCOA

Determining the dispersion properties of pulverized cocoa, IU. S. Rybakova Izv vyz ucheb zav, plishch, tekhn no 2 183-185 '65.

## CODFISH

(see also subdivision under Baltic Sea; Bering Sea)

Specific differences between the European and North Pacific Eleginus navaga and the taxonomic position of the codfish Eleginus navaga of Arctic Alaska and Canada A N. Svetovidov, Zool. zhur. 44 no 2 220-227 '65

## COENZYMES

Isolation of coenzyme-quasibsubstrate complex from aspartate-glutamate transaminase, L. A. Malakhova, IU. M. Torchinskii, Dokl. AN SSSR 181 no. 5 1224-1226 Ap '65.

## COINS, ROMAN

see subdivision under Oster Valley (Ukraine)

## COKE

Kinetics of the formation of coke on various types of catalysts B. F. Murorov, M. E. Leviner, G. M. Panchenko, Izv. vyz ucheb zav., mifi i gay 8 no. 3 55-60 '65.

## COKE—COMBUSTION

Change in the properties of powdered coke on combustion in a fluidized bed V. F. Gorlov, A. I. Skoblo, Trudy MINKHGP no 44 258-267 '63

## COKE—TESTING

Studying the properties of coke of two grades of coarseness A. I. Voloshin and others Koks i khim. no 4 1 21-29 '65.

## COKE INDUSTRY—BY-PRODUCTS

(see also subdivision under Donets Basin)

Konferentsiia po polimernym materialam na osnove khimicheskikh produktov koksovaniiia ugla, 1964, [Abstracts of Reports of the Conference on Polymeric Materials Based on Coal Chemicals held October 20-23, 1964] Tezisy dokladov, Dnepropetrovsk [1964] 91 p.

Low sulfur benzene for organic synthesis, A. P. Kolesov, V. E. Pivalev, V. Z. Sokolov Koks i khim. no. 4 35-38 '65

## COKE INDUSTRY—CONGRESSES

Developing and introducing new equipment and technology into the coke by-products industry, D. K. Kolliar, Met. i gornorud. prom. no. 2 83-84 Mr-Ap '65.

## COKE MANUFACTURE

Coking of a preheated coal charge in a rotary furnace, G. N. Makarov and others, Koks i khim. no. 4 30-32 '65.

## COKE MANUFACTURE—EQUIPMENT AND SUPPLIES

Effect of preliminary drying and heat treatment on the coking capacity of charges with organic additives, M. V. Gofman, V. M. Dinel't. Koks i khim. no. 4 30-9 '65

## COKE-OVEN GAS

Determining the content of NH<sub>3</sub> and monoethanolamine in solutions and gases of units for gas purification from H<sub>2</sub>S and HCN, M. M. Kuzy'mak and others, Koks i khim no 4 47-48 '65.

Using coke gas in the preheating flame of a machine cutter for flame cleaning, E. Kh. Shamovskii, Svar. proizv. no 3 22-24 Mr '65.

## COKE OVENS

Coking of a preheated coal charge in a rotary furnace, G. N. Makarov and others, Koks i khim no 4 30-32 '65.





## COLORIMETRY

Colorimetric determination of trivalent copper. G. Rozovskis, J. Butkevicius, A. Prokopikas. Trudy AN Litv SSR Ser. B no 3 25-29 '64.  
Colorimetric method for determining unfermented carbohydrates in fermented beer. S. V. Solov'eva. Fermentatsiya spirta prom. 31 no 1 38-39 '65.

## COLORING MATTER

Changes in the amount and concentration of coloring substances during the manufacturing process. F. N. Dobronravov. Sakh. prom. 39 no 3 13-15 Mr '65.

## COLORS

Secret of color. V. P. Farini. Priroda 54 no 4 32-41 Ap '65.

## COLUMBIUM see Niobium

## COLUMNS, CONCRETE

Function of the built of the reinforced concrete columns of a multistory building. A. Gurskii. Prom. stroit. inzh. soob. 6 no 2 25-28 Mr-Apr '61.

## COMBINATIONS

Kutlurmatov, Dzhumurat. [Development of combinatorial methods in mathematics] O razviti kombinatornykh metodov matematiki. Nukus, "Karakalpaklia," 1964. 114 p.

## COMBINES (AGRICULTURAL MACHINERY)

(see also subdivision under Taganrog)

Determining the load acting on the bearing structures of grain harvesting combines. L. M. Groshev. Trakt. i sel'khoz. mash. no 3 26-28 Mr '65.

## COMBING MACHINES

Experience in the operation of high-capacity small CHM-150 combing machines. V. N. Geisinskii, G. A. Boldina, K. D. Ramantseva. Tekst. prom. 25 no 5 30-32 My '65.

Role of the upper comb of cotton combing machines. S. G. Karsliev. Izv. vys. ucheb. zav. i tekhn. tekhn. prom. no 2 61-65 '65.

## COMBUSTIBLE LIQUIDS see Inflammable Liquids

## COMBUSTION

Combustion of a plane-parallel air and pulverized fuel jet. L. N. Khlitkin and others. Teploenergetika 12 no 4 47-52 Ap '65.

Construction of the I-θ diagram for combustion products taking into account the dissociation of CO<sub>2</sub> and H<sub>2</sub>O. S. A. Tager, A. S. Smirnov. Teploenergetika 12 no 5 94-95 My '65.

Ignition conditions in case of a nonthermal activation of the combustible mixture. B. G. Khudenko. Izv. vys. ucheb. zav. i tekhn. no 2 121-131 '65.

Investigating the volume of heat release in an axial-flow cyclone combustion chamber. L. L. Kalishchikov, B. G. Ganchev. Izv. vys. ucheb. zav. i mashinostr. no 4 99-108 '65.

Mechanism of penetration of combustion products into the pores of an explosive charge. V. K. Bobolev, A. D. Margolin, S. V. Chuiko. Dokl. AN SSSR 162 no 2 388-391 My '65.

Voinov, A. N. [Combustion processes in high-speed piston engines; fundamentals of the theory of combustion] Professy sgoraniya v vysokoskorostnykh porshnevnykh dvigatelakh, osnovy teorii goreniya. Moskva, Mashinostr. 1965. 211 p.

## COMBUSTION, SPONTANEOUS

Determining the temperature of self-ignition of meltable solid and viscous liquid substances. V. S. Saushchev. Pzh. bezop. no 3 55-58 '64.

Determining the tendency of coal toward spontaneous combustion according to core samples taken from faces of exploratory boreholes. V. M. Maevskaya. Nauch. soob. Vost. Sib. no 1 50-57 '61.

New method of preventing the spontaneous combustion of coal. G. I. Babichev and others. Bezop. truda v prom. 9 no 4 12-14 Ap '65.

Spontaneous ignition in systems with unbranched chain reactions. A. A. Borisov, S. M. Kogarko, G. I. Skachkov. Dokl. AN SSSR 162 no 2 386-388 My '65.

Spontaneous transition of burning into detonation in pure acetylene at low pressures. S. M. Kogarko, A. G. Litvin, V. A. Mikhailov. Dokl. AN SSSR 162 no 4 857-860 Je '65.

Upper limit of self-ignition in a unbranched chain reaction. B. V. Pavlov. Dokl. AN SSSR 162 no 4 873-874 Je '65.

## COMETS

Nature of comets. V. Kesarev. Av. i kosm. 47 no 6 38-38 Je '65.

## COMMERCE

Gal'perin, L. B. [Issues of disciplined performance of contracts in Soviet trade] Voprosy dogovornoi diskipliny v sovetskoi torgovle. Tomsk, Izd-vo Tomskogo univ., 1961. 38 p.

[MICROFILM]

Import of equipment for the woodpulp and paper industry. Bum. prom. no 4 insert 2-3 Ap '65.

[Present-day business conditions of the capitalist economy and the conditions on the main commodity markets] Sovremennaya kon'unktura kapitalisticheskogo khoziaistva i polozhenie na osnovnykh tovarnykh rynkakh. Moskva, 1965. 230 p. (Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no 5)

## COMMERCE—HYGIENIC ASPECTS

Working and living conditions should receive constant attention. A. Shalurova. Sov. torg. 38 no 5 3-7 My '65.

## COMMERCE—INTERNATIONAL COOPERATION

Creation of the International Organization of Trade. V. V. Fomin. Sov. gos. i pravo 35 no 5 125-130 My '65.

## COMMERCIAL AERONAUTICS see Aeronautics, Commercial

## COMMERCIAL AGENTS

Announcements. Vnesh. torg. 45 no 5 47-49 '65.

## COMMERCIAL ART

Good start. I. Vladimirov. Sov. torg. 38 no 4 56-57 Ap '65.

## COMMERCIAL LAW

Legal problems of the determination of economic suits. Sov. gos. i pravo 35 no 5 94-97 My '65.

## COMMERCIAL LIBRARIES see subdivision under Petro-pavlovsk

## COMMERCIAL PRODUCTS—HANDBOOKS, MANUALS, ETC.

Erroneous but official. I. Pishchannok. Sov. torg. 38 no 4 11-15 Ap '65.

## COMMERCIAL PRODUCTS—QUALITY CONTROL

Department store struggles for high quality. A. Zozulia. Sov. torg. 38 no 4 46-47 Ap '65.

## COMMERCIAL PRODUCTS—STORAGE

Delivery, reception and storage of merchandise. Sh. Opel'baum. Sov. potrebn. koop. 9 no 4 43-50 Ap '65.

## COMMERCIAL STATISTICS

[Foreign trade of the economically developed capitalist countries and the developing countries; a statistical manual] Vneshnaya torgovlya ekonomicheskii razvitykh i razvivaiushchikh stran, statisticheski spravochnik. Moskva, 1965. 133 p. (Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no 2)

## COMMUNICABLE DISEASES

(see also subdivision under Siberia, Western)

Problems of the clinical aspects of infectious diseases at the 14th All-Union Congress of Microbiologists, Epidemiologists and Infectious Disease Specialists (June 20 - July 4, 1964). G. P. Rudnev. Zhur. mikrobiol., epid. i immun. 42 no 4 3-6 Ap '65.  
Reactivity in infectious pathology and epidemiology. S. V. Gushits. Trudy TSU 68:2-30 '64.  
Role of immunity in the control of infectious diseases; review of literature. A. A. Sinitiskii, P. I. Remezov. Voen.-med. zhur. no 7 48-52 '64.

## COMMUNICABLE DISEASES—PREVENTION

Immunization in the armed forces and its significance for the prevention and elimination of infectious diseases. I. I. Rogozin. Voen.-med. zhur. no 10 44-47 '64.

## COMMUNICABLE DISEASES—PREVENTION INOCULATION

Notes of an epidemiologist concerning active immunization of the population and the problem of eradicating infections. S. V. Gushits. Trudy TSU 68:12-20 '64.

## COMMUNICATION AND TRAFFIC see subdivision under Sochi

## COMMUNISM

(see also subdivision under Bulgaria, Cuba)

Alinashev, V. G. [Fundamentals of philosophical knowledge; a popular textbook] Osnovy filosoficheskikh znaniy; popularnyi uchebnik. 3., dorabotannoe i dop. izd. Moskva, Mysl', 1965. 412 p.

Changes in the sphere of the application of engineering work during the period of the large-scale building of communism. A. I. Popov. Vest. Mosk. un. Ser. 8: Ekon., filol. 20 no 3 26-36 My-Je '65.

Economics is the main field of the struggle for communism. S. Baibesh. Nar. khor. Kazakh. 23 no 4 3-7 Ap '65.

International teaching of communists. B. Demidov. Komm. Vooruzh. Sil 46 no 7 11-19 Ap '65.

Marxism-Leninism on the principles of the building of socialism and communism. Komm. Vooruzh. Sil 46 no 4 77-82 F '65.

May 1st and May 9th. Kirill Orlovskii. Semina i shkoly 20 no 5 1 My '65.

The theory of "the single industrial society" as a weapon falsifying Marxism. A. S. Grachev. Vop. filos. 19 no 5 118-125 '65.

V. I. Lenin's work "Imminent catastrophe and how to prevent it" and "Will the Bolsheviks retain power?" I. A. Gladkov. Vop. ist. KPSS 9 no 6 81-89 Je '65.

## COMMUNISM—CONGRESSES

A discussion of the problems of scientific communism. V. M. Mikhalev, I. E. Fedorov. Vop. filos. 19 no 5 141-151 '65.

## COMMUNISM—STUDY AND TEACHING

In a creative search. A. I. Iakubov. Vest. vys. shkoly 23 no 1 71-76 Ap '65.

Moscow, Voenno-politicheskaya Akademii, Kafedra nauchnogo kommunizma. [Fundamentals of scientific communism; a course of lectures] Osnovy nauchnogo kommunizma, kurs lektsii. Moskva, Voenizdat, No. 1, 1965. 188 p.

Municipal seminar of instructors. A. D. Zalevskii. Vest. vys. shkoly 23 no 4 76-77 Ap '65.

## COMMUNISM AND ART

Apresian, Z. G. [Freedom of artistic creation] Svoboda khudozhestvennogo tvorchestva. Moskva, Sovetskii khudozhnik, 1965. 102 p.

Ovsiannikov, M. F. [Marx, Engels, and Lenin on art] Marks, Engel's, Lenin ob iskusstve. Moskva, Iskussstvo, 1965. 40 p. (Biulleten' po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodelatel'nosti i shkol'nykh bibliotek)

## COMMUNISM AND CHRISTIANITY

Lebedev, V. M. [Contemporary Christianity and communism] Sovremennoe khristianstvo i kommunizm. Moskva, Mysl', 1965. 86 p.

## COMMUNISM AND LAW see Law and communism

## COMMUNISM AND LITERATURE

Lenin's principles live and conquer. O. K. Romanovskiy. Rad. lit. 9 no 4 3-10 Ap '65.

Surkin, M. S. [Soviet drama is the teacher of the new man; from the transactions of an Academic Conference held at the State University of the Soviet Far East in May, 1963] Sovetskaya drama - vospitatel' novogo cheloveka; iz trudov Nauchnoi konferentsii, prokhodivshoi pri DVGU v mae 1963 goda. Vladivostok, Dal'neco-stochnoe knizhnoe izd-vo, 1964. 22 p.

[MICROFILM]

## COMMUNISM AND LITERATURE—BIBLIOGRAPHY see Bibliography—Communism and Literature

## COMMUNISM AND SCIENCE

[Natural sciences and the building of communism] Estestvoznaniye i stroitel'stvo kommunizma. [Moskva] Izd-vo Mosk. univ., 1965. 408 p.

## COMMUNISM AND SCIENCE—CONGRESSES

Akademii nauk SSSR, Sibirskoe otdelenie, Institut gor-nogo dela. [Some problems concerning the strengthening of the role of science in the building of communism; materials for a scientific and practical conference] O nekotorykh voprosakh uvelicheniya roli nauki v stroitel'stve kommunizma, materialy k nauchno-prakticheskoi konferentsii. Novosibirsk, 1965. 226 p.

## COMMUNISM AND SOCIETY

Mashkov, A. P. [Development of social relations during the period of the transition from socialism to communism] Razvitiye obshchestvennykh otnoshenii v period perekhoda ot sotsializma k kommunizmu. [Leningrad] Izd-vo Leningr. univ., 1965. 130 p.

Roslov-on-Don, Institut sotsialisticheskogo mashino-str. [Problems of the history of the CPSU and philosophy] Voprosy istorii KPSS i filosofii. Rostov-na-Donu, 1961. 206 p.

[MICROFILM]

## COMMUNIST COMPETITION

(see also subdivision under Donetsk Basin; Krasnodar; Ukraine)

Communist labor competition in the Lkhvitsa Distilling Combine. I. V. Vasil'ev. Fermentatsiya spirta, prom. 31 no 4 4-5 '65.

Engineers and technical workers as active organizers of communist labor competition. A. V. Frolov. Tekst. prom. 25 no 3 8-11 Mr '65.

Glorious achievements of a progressive collective. RU. N. Vol'kovich. Put' i put. khoz. 9 no 4 6-8 '65.

In the drive for the title of Collective of Communist Labor. V. Rihko. Muk. elev. prom. 31 no 5 3-6 My '65.

An institution of communist labor. I. P. Shopen, L. S. Lupinovich. Voen.-med. zhur. no 8 9-11 '64.

The Kalmynogol' Trust is trying to improve its indices. M. I. Orlenko, O. A. Moslenko, I. I. Sochnev. Ugol' Ukr. 9 no 5 6-7 My '65.

Neighbors. A. Iakovlev. Sov. profsoyuzy 21 no 10 6-7 My '65.

## COMMUNIST COMPETITION (Continued)

- New forms of the creative activities of the workers' clubs and their meaning in the period of the large-scale building of communism. M. Sh. Reingold. Vest. Mosk. Ser. B. Uchen. 20 no. 3:49-58 My-Je '65.
- Organizing competition for communist labor on fishing boats of the Khabarovsk Base of Ocean-Going Fishing Fleet. I. I. Korolev. Ryb. khoz. 41 no. 4:81-81 '65.
- Popularization of the movement for communist labor. Z. G. Larionova. Ist. SSSR 9 no. 2:238 Mr-Apr '65.
- Rehearsed formalism. P. Tol'stobrov. Part. zhizn' no. 11:46-48 Je '65.
- Struggle for communist labor in accountants' collectives. I. Khizina. Bukh. uch. 22 no. 3:60 Mr '65.

## COMMUNIST COUNTRIES

- The world in 1965. Mezhdunar. zhizn' 12 no. 5:145-147 My '65.

## COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

- World of socialism in facts and figures, 1963; handbook. Mir sotsializma v tsifryakh i faktakh, 1963. (Spravochnik). Moskva, Politizdat, 1964. 1 v. (NSYU)

## COMMUNIST COUNTRIES—ECONOMIC INTEGRATION

- Tenkina, I. M. [Economic cooperation of socialist countries at a new stage, a textbook] Ekonomicheskoe sotrudnichestvo sotsialisticheskikh stran na novom etape, uchebnoe posobie. Sverdlovsk, Ural'skii gos. univ. im. A. M. Gor'kogo, 1963. 30 p. (CST-II)

## COMMUNIST COUNTRIES—FOREIGN RELATIONS

- Internationalism and socialist diplomacy. Sh. Sanakoev. Mezhdunar. zhizn' 12 no. 5:28-40 My '65.

## COMMUNIST COUNTRIES—TEXTILE INDUSTRY—PERIODICALS

- From pages of textile industry periodicals published in socialist countries. Tekst. prom. 25 no. 4:66-67 Ap '65.

## COMMUNIST EDUCATION

- (see also subdivision under Moscow)
- Basics for the intellectual development of youth. S. I. Krol. Rad. shk. 13 no. 4:10-14 Ap '65.
- Books and communist education. N. M. Medvedeva. Bibliotekar' 42 no. 4:32-35 Ap '65.
- Bureaucracy as a hindrance to vital work. A. I. Kykov. Si ed. ap. 12 no. 4:11-13 Ap '65.
- Communist education in the process of public sport activities. V. U. Ageev. Teor. i prakt. fiz. kul't. 27 [1 e 28] no. 1:8-11 Ap '65.
- Delneko, M. M., ed. [Communist education and the strengthening of contacts between school and life; a collection of documents] O Kommunisticheskom vospitanii i ukreplenii svyazi shkoly s zhizn'yu, sbornik dokumentov. Moskva, Prosvyeshchenie, 1964. 340 p. (NNC)
- Forming the students' worldview in physics classes. A. V. Nosov. Vech. sred. shkola 8 no. 2:56-61 Mr-Apr '65.
- New stage in the development of socialist democracy. L. I. Borzina. Vech. sred. shkola 8 no. 2:85-89 Mr-Apr '65.
- Take into consideration the type of work. V. Kutsenko. Sov. pech. no. 4:41-42 Ap '65.
- Training of upperclassmen for the communal and political activities. V. O. Tykhomyrova. Rad. shk. 43 no. 4:63-66 Ap '65.
- Training of youth according to the revolutionary and labor family traditions. N. I. Neumyvakin. Sov. pedagog. 20 no. 4:110-116 Ap '65.
- V. I. Lenin on the school training in scientific viewpoint and ideology. N. K. Goncharov. Sov. pedagog. 29 no. 4:21-32 Ap '65.

## COMMUNIST EDUCATION—AUDIO-VISUAL AIDS

- Some more information on visual propaganda. L. Gromov. Part. zhizn' no. 10:67 My '65.

## COMMUNIST ETHICS

- Effectiveness of propaganda of the moral code. M. K. Kotova. Komm. Vooruzh. Sil 46 no. 7:26-32 Ap '65.

## COMMUNIST LABOR see Communist competition

## COMMUNIST PARTIES see subdivision under Europe, Eastern

## COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography—Communist parties

## COMMUNIST PARTY see subdivision under India; Poland; Salvador; South Africa, Republic of

## COMMUNIST PARTY OF THE SOVIET UNION

- (see also subdivision under Rostov-on-Don; Turkmenistan; Kirghizistan; Moscow; Novosibirsk; Ukraine; Ukraine, Western, White Russia)
- About one group of students of the history of the party. T. N. L'vova. Vop. Ist. KPSS 9 no. 6:153-154 Je '65.

[Chrestomathy on the history of the CPSU in two volumes] Khrestomatia po istorii KPSS v dvukh tomakh. Moskva, Politizdat, 1965. 2 v.

Khrangveladze, G. A. [Unveiling the bourgeois falsification of the nationality policy of the CPSU, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Razoblayeniye burzhuaznoi falsifikatsii natsional'noi politiki KPSS, avtoreferat dissertatsii na soiskaniye uchenoi stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' B. T. Dapkhov. Moskva, Mysl', 1964. 15 p.

## [MICROFILM]

Gumerov, F. Kh. [Against the bourgeois falsification of Lenin's principles of party development; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Protiv burzhuaznoi falsifikatsii leninskikh printsipov partinogo stroitel'stva, avtoreferat dissertatsii na soiskaniye uchenoi stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' S. S. Shaumian. Moskva, Mysl', 1964. 17 p.

## [MICROFILM]

Heroic deeds of the U.S.S.R. Armed Forces. I. Akubovskii. Komm. Ukr. 39 no. 5:10-17 My '65.

Historical victory of the Soviet people. Komm. Ukr. 39 no. 5:3-9 My '65.

[History of the Communist Party of the Soviet Union] Naukovede Iidit Kommunistiku partei ajalugu. Teine, taidendatud trükk. Tallinn, Eesti Riiklik Kirjastus, 1963. 733 p. [In Estonian]

Kommunisticheskaya partiya Sovetskogo Soyuza. [Program and Statute of the Communist Party of the Soviet Union] Programma [i] Ustav Kommunisticheskoi partii Sovetskogo Soyuza. Moskva [Politizdat] 1964. 287 p. (NNC)

Moscow. Akademiya obshchestvennykh nauk. [The Leninist system of party-state control and its role in the construction of socialism, 1917-1932] Leninskaya sistema partinno-gosudarstvennogo kontrolya i ego rol' v stroitel'stve sotsializma (1917-1932 gg.) Moskva, Mysl', 1965. 203 p.

Murashov, S. I., ed. [Lecture course on the history of the CPSU] Kurs lektsii po istorii KPSS. Moskva, Vysshaya shkola.

Pt. 1. Izd. 2., dop. i perer. 1965. 542 p. The party led us to victory. Komm. Vooruzh. Sil 46 no. 4:50-50 F '65.

The party's Leninist policy on socialist revolution and American imperialism. A. V. Barozkin. Vop. Ist. KPSS 9 no. 6:39-54 Je '65.

Rehearsed formalism. P. Tol'stobrov. Part. zhizn' no. 11:46-48 Je '65.

Under the direct leadership of Lenin. E. Sazonov. Sov. shakht. 14 no. 4:1-2 Ap '65.

With the party at the head. Voenn. znaniya, 41 no. 5:1-2 My '65.

## COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

## COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

In the interest of the development of socialism. F. Vakulin, N. Tisov. Sov. potreby koop. 9 no. 4:11-11 Ap '65.

[They were delegates to the 22d Congress of the CPSU] Oni byli delegatami XXII s'ezda KPSS. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 142 p. (CST-II)

## COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

(see also subdivision under Primorskaya, Zaporozh'ye Province; Rybinsk)

The CPSU in figures, 1961-1964. Part. zhizn' no. 10:16-17 My '65.

Procedure of using the 16th paragraph of the Statute of the CPSU. Komm. Vooruzh. Sil 46 no. 4:87-88 F '65.

## COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Balashkirskaia, Moscow Province; Belaya Tserkov' region; Chechen-Ingush A.S.S.R.; Donetsk, Khabarovsk-Balkar A.S.S.R.; Karaganda Province; Kirghizistan; Leningrad; Pavlovsk District, Altai Territory; Ural Mountain region)

Buevskii, A. I. [From a club to a seminar] Ot krushknykh seminarov. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 35 p. (CST-II)

Communist labor is creative labor. V. Kochetov and others. Sov. shakht. 14 no. 4:20-26 Ap '65.

Communally participation in party work at the present stage. V. I. Zhelezin. Vop. Ist. KPSS 9 no. 6:11-22 Je '65.

The creation and strengthening of the party organizations in higher educational institutions and their participation in the struggle for the political conquest of the higher schools during the first years of the Soviet regime, 1917-1921. L. A. Shilov. Vest. LGU 20 no. 8:14-24 '65.

High responsibility of the communist. Komm. Vooruzh. Sil 46 no. 4:30-44 F '65.

Kommunisticheskaya partiya Sovetskogo Soyuza, IAU. [Work experience of the propagandists] O'opy raboty propagandistov, IAUtsk, IAUtskoe knizhnoe izd-vo, 1961. 71 p. (CST-II)

Labor for the good of the people. V. Sennikov. Komm. Vooruzh. Sil 46 no. 7:72-76 Ap '65.

Lenin's prediction is being realized. Bezop. truda v prom. 9 no. 4:1-2 Ap '65.

Mokhov, A. S. [Efficacy of political education] Bolee nosi politicheskogo prosvyeshchenia. [Moskva] M. rabochii, 1964. 77 p. (NP)

The party committee and the brigade party organization. I. Pronin. Part. zhizn' no. 11:37-38 Je '65.

The party organization of a construction project. F. Marchenko. Part. zhizn' no. 10:38-45 My '65.

The secretary, the organizer of party work. Komm. Vooruzh. Sil 46 no. 1:3-8 F '65.

Unabated attention to mass political work. S. Ilin. Komm. Vooruzh. Sil 46 no. 7:20-27 Ap '65.

Use practical examples in studying and teaching. Part. zhizn' no. 11:3-7 Je '65.

## COMMUNIST PARTY OF THE SOVIET UNION—PERIODICALS

Meetings with leaders. Vop. Ist. KPSS 9 no. 6:154-155 Je '65.

## COMMUNIST REVISIONISM

Against dogma and a phrase. V. Lakshin. Nov. mir no. 5:264-268 My '65.

The origins of Leninism; the struggle of the Russian revolutionary Marxists against petty-bourgeois society and revisionism at the end of the 19th century. V. D. Mochalov. Ist. SSSR 9 no. 2:3-22 Mr-Apr '65.

The struggle of the Communist Party of the Ukraine against the Trotskyist-Zinoviev anti-party bloc, 1926-1927. I. I. Kolomoichenko. Ukr. ist. zhurn. 8 no. 6:20-38 N-D '64.

## COMMUNIST STATE

Dakurskii, A. I. [From state government to public self-government] Ot gosudarstvennoi — k obshchestvennomu samoupravleniyu. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 93 p.

## [MICROFILM]

Cheromnykh, P. S., ed. [Combination of state and public participation in the management of society] Sochetanie gosudarstvennykh i obshchestvennykh nachal v upravlenii obshchestvom. Moskva, Mysl', 1965. 220 p.

The dialectics of the transformation of a socialist state into communist social self-government. V. I. Nizhchek. Nauch. dokl. vys. shkoly: filos. nauki 7 no. 5:95-101 '64.

Formation of the social rules of communist society. V. Poddubchenko. Sov. gos. i pravo 35 no. 5:101-109 My '65.

## COMMUNIST YOUTH LEAGUE

(see also subdivision under Dagestan; Kirghizistan)

From diaries of our contemporaries. Iz dnevnikov sovremennikov. [Moskva] Molodaya gvardia, 1965. 404 p. (Pebo v dorogu, romanik)

A good beginning is a winning start for the matter. V. Filippov. Komm. Vooruzh. Sil 46 no. 4:71-76 F '65.

Interesting work of the Communist Youth League members. V. I. U'rev. Prof. -tekh. obr. 22 no. 4:2-3 Ap '65.

Leninist ideology is your weapon. S. Vasilagin. Komm. Vooruzh. Sil 46 no. 7:59-66 Ap '65.

Patriotic duty of the Communist Youth League member. G. Shatunov. Kryn. rod. 13 no. 3:1-3 Mr '62.

Presentation of Communist Youth League cards by youth people of the country. Komm. Vooruzh. Sil 46 no. 4:88 F '65.

Republic-wide camp of active workers of the Communist Youth League. V. Grinman. Sred. ap. 12 no. 4:37-41 Ap '65.

Six pennants for the best. V. Golubiatnikov. Prof. -tekh. obr. 22 no. 4:3 Ap '65.

## COMMUNIST YOUTH LEAGUE—BIBLIOGRAPHY see Bibliography—Communist Youth League

## COMMUNIST YOUTH LEAGUE—PERIODICALS

Comrade and friend of the younger generations for forty years of "Kommunisticheskaya pravda." Vop. Ist. KPSS 9 no. 6:99-92 Je '65.

## COMMUNISTS

(see also subdivision under Germany, West)

Adherence to principles as the most important quality of a Communist. Part. zhizn' no. 10:3-7 My '65.

[Fabulous strength] Sazochnaia sila. Moskva, Politizdat, 1965. 183 p.

## COMMUNITY AND SCHOOL

(see also subdivision under Chelyabinsk, Gorkiy region)

Friendship between a plant and a school I. Demin Prof. tekhn. obr. 22 no. 2 6 F '65

In the Ministry of Education of the U S S R Nach shkola 33 no. 2 95-96 F '65

This can be achieved in a slant A Kurakin Nar. obr. no. 5 51-59 My '65

## COMMUNITY CENTERS

(see also subdivision under Perm)

Disseminate the wealth of culture among the people. I. Turkin. Sov. profsoyuzy 21 no. 11 1-3 Je '65

## COMMUNITY PROPERTY

Judicial practice concerning the partitioning of savings between spouses. IU. Korshunov. Sov. iust. 28 no. 12 7-8 Je '64

## COMMUTATION (ELECTRICITY)

The electronic commutator. V. S. Zhernov and others. Izd. prib. no. 1.139-150 '64.

## COMPANION CROPS

Sowing corn along with pulse crops. A. Gazikhanov. Shor. nauch. rab. asp. SibirNIKH no. 5 66-78 '64.

## COMPARATIVE ANATOMY see Anatomy, Comparative

## COMPARATIVE AND GENERAL GRAMMAR see Grammar, Comparative and general

## COMPARATIVE LITERATURE see Literature, Comparative

## COMPARATIVE PSYCHOLOGY see Psychology, Comparative

## COMPASS

Do navigators need a magnetic compass correction record? S. Burlakov. Mor. flot. 25 no. 5 26-27 My '65.

## COMPENSATION (LAW)

Damage compensation for injury to the health of a citizen below 15 years of age (Art. 465 of the Civil Code of the R. S. F. S. R.). I. Malein. Sov. iust. 29 no. 10 20-22 My '65

The factory and plant local committee decides the compensation for damages dispute. S. Tselin. Sov. profsoyuzy 21 no. 11 43-44 Je '65

## COMPETITION, INTERNATIONAL

Pulse of economic competition. O. Laisla. Nov. mir. 41 no. 2 272-274 F '65

## COMPLAINTS (CRIMINAL PROCEDURE) see subdivision under Kherson Province

## COMPLEMENT FIXATION

Method of the complement fixation reaction for toxoplasmosis. E. P. Kovaleva. Trudy TSU 68, 101-104 '64.

Prozone phenomenon in carrying out the complement fixation reaction for toxoplasmosis. E. P. Kovaleva. Trudy TSU 68, 98-100 '64.

## COMPLEMENTS (IMMUNITY)

Role of the sulfhydryl (SH) groups of proteins in the block and the fixation of the complement. P. N. Kiselev, E. V. Karpova. Zhur. mikrobiol., epid. i immun. 41 no. 11 13-48 N '64

## COMPLEX COMPOUNDS

Complex compounds of cupric chloride with monoethanolamine. V. V. Udovenko, M. A. Sherstoboeva. Ukr. khim. zhur. 31 no. 1 23-26 '65

Complex-forming groups of  $\alpha, \beta$ -bis-dimethylamino- $\alpha$ -phenyl-3-(9-cyanoethyl)-carbazolymethyl chloride. S. A. Lomonosov, M. K. Murshtein. Zhur. anal. khim. 20 no. 3 288-293 '65.

Complex-forming processes on carboxyl-containing cation exchangers. V. N. Tolmachev, L. A. Lomako, N. A. Kifuchareva. Ukr. khim. zhur. 31 no. 4 321-328 '65

Electrodeposition of platinum from solutions of complex compounds. S. Chotianovich. Trudy AN Litv. SSR Ser. B no. 3 15-23 '64.

Extraction of ethylenediaminetetraacetates (as exemplified by iron and thorium complexes). IU. A. Zolotov, O. M. Petrukhin, I. P. Altmarin. Zhur. anal. khim. 20 no. 3 347-350 '65.

Extraction of zinc and Co (II) thiocyanate complexes with isononyl alcohol. G. A. Kater, I. S. Shpaer. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no. 8 891-897 '64

Mechanism of complexing in case of the reaction of n-paraffin hydrocarbons with an aqueous solution of urea. F. A. Chegodae, B. V. Khimenok. Izv. vys. ucheb. zav., nat. i gaz. 8 no. 3 51-54 '65.

Mechanism of the elementary act of extraction of inner-complex compounds. IU. A. Zolotov. Dokl. AN SSSR no. 2 577-580 My '65.

Molecular nitrogen fixation from nitrogen - hydrogen mixtures by the carrier stabilized complexes. M. L. Khidke, IU. B. Grebenshchikov. Izv. AN SSSR. Ser. khim. no. 4 761-762 '65

Study of neutral imino diacetates of certain metals by infrared spectroscopy. A. I. Grigor'ev and others. Dokl. AN SSSR 161 no. 4 839-842 Ap '65.

X-ray study of 1-methyl-5-bromouracil and 9-methyladenine complex. IU. G. Baklagina, M. V. Vol'kenshetin, IU. D. Kondrashov. Biofizika 10 no. 1 165-166 '65

## COMPLEX COMPOUNDS—SPECTRA

Long-wave absorption spectra of complex compounds of aniline with metals. N. G. Laroslavskii, L. V. Kononov. Dokl. AN SSSR 162 no. 1 144-146 My '65.

## COMPLEX IONS

Complex formation of lanthanum with  $\alpha$ -amino acids. E. E. Kriss. Ukr. khim. zhur. 31 no. 4 328-332 '65

Gluconate complexes of scandium. N. A. Kostromina, E. D. Romanenko. Ukr. khim. zhur. 31 no. 4 332-338 '65

## COMPLEXES

A family of rectilinear complexes. Gr. Stanilov. Ukr. mat. zhur. 17 no. 2 120-123 '65.

Infinite-dimensional dual spherical transformations of line complexes. N. M. Mas'kin. Sib. mat. zhur. 6 no. 2 383-387 Mr.-Ap '65.

## COMPLEXONS

Complexometric analysis of some binary alloys. O. I. Popova, I. N. Godovannina. Zhur. anal. khim. 20 no. 3 355-358 '65.

Glass formation in the systems containing complexons. A. V. Nikolaev, V. A. Logvinenko, N. N. Knaizeva. Dokl. AN SSSR 162 no. 3 593-595 My '65.

"Sulfazazen" as a complexometric indicator for zinc, cadmium, nickel, and lead. M. Z. Partashnikova, I. G. Shafra, Zhur. anal. khim. 20 no. 3 313-319 '65.

## COMPLICATED LABOR see Labor, Complicated

## COMPLICATIONS OF PREGNANCY see Pregnancy, Complications of

## COMPOSERS—BIBLIOGRAPHY see Bibliography—Composers

## COMPOSITE see subdivision under Crime

## COMPOST

Fertilizing of fields with organic-mineral mixtures and manure-soil composts. I. F. Mamchenkov, E. M. Bodrova, G. I. Farafonova. Agrokhimia no. 1 13-22 Ja '65.

Incorrect study of the effectiveness of manure-soil composts. D. L. Askina, Agrokhimia no. 1 132-135 Ja '65.

## COMPRESSED AIR

Determining the technical state of tractor engines by means of compressed air. I. F. Khristianovskii, K. M. Naumov. Trudy Oren. sel'khoz. inst. 14 124-128 '63.

Medzhilbozhskii, M. A. [Using compressed air in the open-heart process] Primenenie szhatogo vozdukh v martenovskom proizvodstve. 2. Izd., perel. i dop. Moskva, Metallurgiya, 1965. 191 p.

## COMPRESSED WOOD see Wood, Compressed

## COMPRESSIBILITY

Compressibility and molecular structure of liquids. Part I: Compressibility of n-paraffins and their mutual solutions. O. Z. Holyk, I. I. Adamenko. Ukr. fiz. zhur. 10 no. 4 443-449 Ap '65.

## COMPRESSORS

Automatic control of the capacity of a turbocompressor of the "Demag" firm. A. A. Masluk, A. P. Iur'ina. Nefteper. i neftekhim. no. 3 45-47 '65

Causes of explosions in the crankcases of 80K gas-engine compressors. A. F. Shagalov, E. I. Mikerin, L. E. Pokhitun. Nefteper. i neftekhim. no. 4 30-42 '65.

"Circulation coefficient" of a centrifugal compressor wheel. S. P. Livehits. Teploenergetika 12 no. 5 48-54 My '65.

Control of the temperature of the feeding of ammonia compressors. R. M. Lazebnik, A. I. A. Chupakhin. Khol. tekhn. 42 no. 2 57-58 Mr.-Ap '65

Energy losses in hermetic system compressors. V. B. Iakobson. Khol. tekhn. 42 no. 2 4 Mr.-Ap '65.

Indicating of FUBS12 and FUBS6 compressors. L. E. Medovar. Khol. tekhn. 42 no. 2 8-13 Mr.-Ap '65.

Pressure relay of automatic performance of compressors. K. V. Kurmanov. Stroitel. i inzh. Sred. Az. 1 no. 8 24 S '64.

Regulator of the oil level in compressor crankcases. IU. M. Petrukhin, D. I. Porel'man. Khol. tekhn. 42 no. 2 58-60 Mr.-Ap '65.

## COMPRESSORS—ELECTRIC DRIVING

Selecting the built-in electric motor for hermetic system compressors. B. D. Redkozub, B. T. Artemuk. Khol. tekhn. 42 no. 2 14-17 Mr.-Ap '65

## COMPUTATION LABORATORIES see subdivision under Moscow

## COMRADES COURTS

(see also subdivision under Barnaul, Chernaya Tisa, Ukraine, Dnepropetrovsk, Leningrad Province, Novaya Ladoga, Leningrad Province, Poland; Ukraine)

Acquittal from criminal responsibility with simultaneous transmittal of the case to a comrades court. M. Gel'fer, N. F. Kuznetsova. Sov. iust. 29 no. 6 29-30 Mt '65.

Give constant assistance to comrades courts. L. Slitenko, F. Nikitinskii. Sov. iust. 29 no. 6 11-13 Mt '65

Improve the determination of civil litigations between citizens by community panels. K. Iud'ison. Sov. iust. 29 no. 7 6-9 Ap '65

Transmittal of cases on offenses of minor importance to comrades courts. M. Olov. Sov. iust. 28 no. 12 11-13 Je '64

## CONCEPTION—PREVENTION

Clinical experimental data on the contraceptive properties of ascorbic acid. L. I. Ivanluta, Akueh. i gin. 40 no. 5 119-122 S-O '64.

## CONCRETE

Automatic device using the two-frequency method for controlling concrete setting. V. B. Shifrin. Stroitel. i dor. mash. 10 no. 4 26-27 Ap '65.

Equipment for preparing additives for a concrete mix. A. S. Bulgach. Avt. dor. 28 no. 4 24-25 Ap '65.

Strength and rigidity of flexible concrete and reinforced concrete elements under short-term loading. V. N. Gornov. Bet. i zhef.-bet. 8 no. 6 252-257 Je '63.

## CONCRETE—CURING

Multipoint program controller of temperature for steam-curing chambers. M. A. Frokhov, Bet. i zhef.-bet. 8 no. 6 262-265 Je '63.

Semenov, L. A. [Pressureless steaming chamber] Beznapornaya proparnaya kamera. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1960. 77 p.

[MICROFILM]

Volkov, V. G. [Curing freshly laid concrete with the aid of film-forming materials] Ukhod za svezheulozhennym betonom s pomoshch'yu plenokobrazulushchikh materialov. Pod red. S. V. Shestoperova. [n.p.] Rosvuzizdat, 1963. 12 p.

[MICROFILM]

## CONCRETE—EXPANSION AND CONTRACTION

Calculating composite bridge elements with due regard to shrinkage and artificial control forces. M. E. Glibshman. Bet. i zhef.-bet. 8 no. 9 429-432 S '63

## CONCRETE—TESTING

Determining the strength of concrete by studying the condition of elements. O. I. Shtern. Anal. prich. avar. i povr. stroit. kon. no. 2 254-262 '64.

Effect of certain factors on the strength of polychlorovinyl coating on concrete. F. A. Severin, N. M. Epimakhov. Koks i khim. no. 4 50-52 '65.

Testing machines for the determination of concrete strength. Prihorostroenie no. 4 29 Ap '65.

## CONCRETE—TRANSPORTATION

Lipovetskii, M. A. [Concrete pumping and pneumatic delivery equipment and operational productivity with their use] Betononasosnye i pnevmaticheskie nagnetatel'nye ustanovki i proizvodstvo rabot s nimi primeneniem. Moskva, Stroizdat, 1965. 314 p. (Seriya posobi po povysheniyu masterstva stroitelei)

Pneumatic concrete conveying in road construction. V. V. Dikussar. Stroitel. i dor. mash. 10 no. 4 27-30 Ap '65.

## CONCRETE, PRECAST see Precast concrete

## CONCRETE, PRESTRESSED see Prestressed concrete

## CONCRETE BEAMS

Composite reinforced beams for automobile bridges. V. S. Kazarnovskii. Bet. i zhef.-bet. 8 no. 9 413-417 S '63.

Concrete beams reinforced by thermally treated bars. E. A. Guzev. Bet. i zhef.-bet. 8 no. 9 424-426 S '63.

Ratts, E. G., and others. [12 m reinforced concrete crane beams with rod reinforcement stressed by the electrothermal method; practices of the All-Union Research Institute for Reinforced Concrete and Plant No. 18 for Reinforced Concrete Products of the Main Administration for Building Materials of the city of Moscow] Zhelezobetonnye podkrannyye balki dlinno 12 m so sterzhnevoy armaturoy, napriagamoj elektrotermicheskim metodom; opyt raboty VNIIZhelezobetona i zavoda zhelezobetonnykh izdelii no. 18 Glavmospromstroimaterialov, Moskva, Stroizdat, 1964. 31 p.

[MICROFILM]

Testing the prestressed saddle beams of a precast-monolithic roof. O. Rubach, E. Stakovichenko, G. Tsel'ykovskii. Prom. stroit. i inzh. scor. 6 no. 2 26-31 Mr.-Ap '64.

## CONCRETE BLOCKS

Equipment for manufacturing blocks. I Zotimov. Sel'stroy. 19 no. 1-21-22 Ja '65

## CONCRETE BRIDGES see Bridges, Concrete

## CONCRETE COATING—EQUIPMENT AND SUPPLIES

Machine for concreting channel banks. S. L. Ben'iaminov. Stroitel. dor. mash. 10 no. 4-21-22 Ap '65.

## CONCRETE COLUMNS see Columns, Concrete

## CONCRETE CONSTRUCTION

Universal fastening of molds to vibrating platforms. E. Rakovskii, V. Eter. Avt. dor. 28 no. 3-15 Mr '65

## CONCRETE CONSTRUCTION—FORMWORK

Designing steel formwork edges. G. S. Mitnik. Bet. i zhel.-bet. 9 no. 6-278-282 Je '63.  
Roofing of manufacturing plants made of large machine-molded elements. A. Tseitlin. Prom. stroi. i inzh. soor. 6 no. 2-17-20 Mt.-Ap '61

## CONCRETE MIXERS

Mixers for manufacturing kóramzit concrete. N. Maksimovskii. Sel'stroy. 19 no. 1-18 Ja '65.  
New machinery. Stroitel. dor. mash. 8 no. 1-27-28 Ja '63.  
New method for vibratory mixing of asphalt concrete. IA A. Linn'sh. Avt. dor. 28 no. 3-7-8 Mr '65

## CONCRETE PAVEMENTS see Pavements, Concrete

## CONCRETE PIPE see Pipe, Concrete

## CONCRETE PRODUCTS—CURING

Radin, A. M. [Thermal and steam curing of concrete and reinforced concrete products] Termovlazhnostnaia obrabotka betonnykh i zhelezobetonnykh izdelii. Pod red. S. V. Shesloperova [Moskva] Vysshiaia shkola, 1964, 23 p.

[MICROFILM]

## CONCRETE REFRACTORY see Refractory concrete

## CONCRETE REINFORCEMENT

Bridge spans with inclined stirrups. L. I. Iosilevskii, V. P. Chirkov. Bet. i zhel.-bet. 8 no. 3-423-424 S '63.  
Cables for reinforcing large concrete span bridges. E. A. Troitskii. Bet. i zhel.-bet. 8 no. 9-407-410 S '63.  
Causes of failure of high-tensile wires in a prestressed state. G. N. Gomzhin. Bet. i zhel.-bet. 9 no. 6-274-276 Je '63.  
Conditioning the reinforcement by drawing. IU. VERNIKOVskii. Sel'stroy. 19 no. 1-22-23 Ja '65.  
Deformability of prestressed reinforcement made of steel cables. N. N. Kovalev. Bet. i zhel.-bet. 9 no. 6-245-249 Je '63.  
Studying the anchorage of seven-wire strands. L. V. Rur. Bet. i zhel.-bet. 8 no. 9-410-413 S '63.

## CONCRETE REINFORCEMENT—MEASUREMENT

Working with a device for measuring the pretensioning of reinforcement. T. A. Berg. Bet. i zhel.-bet. 9 no. 6-271-273 Je '63.

## CONCRETE REINFORCEMENT—WELDING

Bench for submerged arc welding of embedded parts. V. Volkovich, A. Radosevskii. Prom. stroi. i inzh. soor. 6 no. 2-64 Mr.-Ap '61.

## CONCRETE ROADS see Roads, Concrete

## CONCRETE ROOFING see Roofing, Concrete

## CONCRETIONS see subdivision under Russian Platform

## CONDENSATE OIL WELLS

(see also subdivision under Azerbaijan)  
Determining the gas velocity minimal for the initial exclusion of condensate from a well. Z. I. Gusein-Zade, S. S. Alekperov. Izv. vyz. ucheb. zav. i nef. i gaz. 8 no. 4-33-36 '65.  
Effect of gas pressure on the permeability of rocks. N. I. Boezhnoi. Izv. vyz. ucheb. zav. i nef. i gaz. 8 no. 3-37-39 '65.  
Graphic method for determining the reservoir pressure of gas-condensate wells in contact with an oil ring. M. S. Razamat. Izv. vyz. ucheb. zav. i nef. i gaz. 8 no. 4-47-51 '65.  
Hydrodynamic investigation of the accumulation of condensate in a bed with nonsteady flow of the gas-condensate mixture. Z. M. Akhmedov, T. A. Samedov. Izv. vyz. ucheb. zav. i nef. i gaz. 8 no. 4-20-22 '65.

## CONDENSED MILK see Milk, Condensed

## CONDENSERS (ELECTRICITY)

Investigating the luminescence of electroluminescent condensers. L. N. Petoshina, F. M. Pekerman. [Trudy] GIPKH no. 51:66-74 '64.  
Networks for connecting the condenser batteries of tuned electric power transmission lines. F. Z. Khakimov. Trudy Sib. nauch.-issl. inst. energ. no. 1-16-23 '64.

Toroshchin, P. A. [Metalized paper capacitors] Metalizovannyye kondensatory. Pod red. I. S. dop. V. T. Remie. Moskva, Energiia, 1965, 212 p.

## CONDENSERS (STEAM)

Studying the indirect control of steam pressure and water level in a surface type condenser with rigid negative feedbacks without consideration of the liquid in the steam space. I. S. Podbello. Trudy LITISBP no. 14 116-123 '64

## CONDENSERS (VAPORS AND GASES)

Simplified calculation formulas for determining the coefficients of heat transfer in the film condensation of pure slowly moving vapors. A. I. Ryckov. Trudy MKHM 26 137-160 '61

## CONDENSERS (VAPORS AND GASES)—PARTS

Polyethylene nozzle for shell-and-tube condensers. A. P. Olguehev. Khim. tekhn. 42 no. 2-61 Mr.-Ap '65.

## CONDITIONED RESPONSE

Activity of individual neurons of the cerebral cortex during the recruiting reaction. S. T. Narikashvili, V. S. Arutunov, D. S. Montava. Zhur. vyz. nerv. deiat. 15 no. 2-238-248 Mr.-Ap '65.  
Analysis of the excitation of conditioned response under the effect of a very weak stimulus. A. S. Denisova, F. P. Maiorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 35-38 '65.  
Analysis of the higher nervous activity of an animal using the methodology of situation conditioned responses. V. I. Syrenskii. Zhur. vyz. nerv. deiat. 15 no. 2-351-356 Mr.-Ap '65.  
Behavior of animals as the expression of the reaction of the nervous system to the effect of conditioned stimuli. Based on experimental data on retarded motor reflexes in dogs. D. A. Chebykin. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 187-170 '65.  
Change in the conditioned reflex activity in mice depending on the degree of the alimentary excitability and age. Vikt. K. Fedorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 160-163 '65.  
Changes in the conditioned response activity in rabbits under the combined effect of caffeine and choline. M. K. Kalinina. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 52-55 '65.  
Characteristics of cardiac and respiratory components of conditioned defensive response. M. I. Akovleva, V. A. Kalina. Zhur. vyz. nerv. deiat. 15 no. 1-109-113 Ja-F '65.  
Characteristics of the aftereffects from the extinction of unilateral and bilateral conditioned reflexes. T. E. Kolesova. Zhur. vyz. nerv. deiat. 15 no. 2-332-338 Mr.-Ap '65.  
Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. N. M. Vavilova and others. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 25-29 '65.  
Complex motor reactions to a delayed stimulus under conditions of "voluntary" activity. I. A. Alekseeva. Zhur. vyz. nerv. deiat. 15 no. 2-345-350 Mr.-Ap '65.  
Conditioned reflex and contemporary neurophysiology. E. A. Arutunov. Zhur. vyz. nerv. deiat. 15 no. 2-202-216 Mr.-Ap '65.  
Conditioned reflexes and swing raising. F. A. Zhukov. Piroda 54 no. 5 62-68 My '65.  
Conditioned statokinetic reflexes in dogs following extirpation of the temporal lobes of the cerebral cortex and labyrinthectomy. V. A. Kislakov. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 63-67 '65.  
Correlation between periods of activation and depression in responses of cortical neurons to impulsive electric and phoric stimulations. B. G. Tolkanov. Fiziol. zhur. 51 no. 3 285-292 Mr '65.  
Cortical representation of the afferent systems of the alimentary tract. S. M. Zaraiskaya, S. S. Musiatshchikova, V. N. Chernigovskii. Zhur. vyz. nerv. deiat. 15 no. 2-405-413 Mr.-Ap '65.  
Course of the secretory alimentary reflex in stimulation of the lateral parts of the hypothalamus. N. A. Kostenetskaya. Zhur. vyz. nerv. deiat. 15 no. 2-325-331 Mr.-Ap '65.  
Determination of the lability of nervous processes based on the reaction of assimilating the rhythm of light flickering. A. O. Dolin, D. A. Farber, IU. F. Zmanovskii. Zhur. vyz. nerv. deiat. 15 no. 2-881-892 Mr.-Ap '65.  
Dependence of the perception of light signals on the intervals between them. IU. Van'chzhao [Yu Wen-chao]. Zhur. vyz. nerv. deiat. 15 no. 1-70-78 Ja-F '65.  
Development of reaction to light stimulants in early ontogeny of some species of sturgeon fishes and their hybrids. R. IU. Kasimov, V. G. Marshin. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 55-59 '65.  
Dynamics of blood pressure in the process of the higher nervous activity. B. K. Surnev. Trudy Khar. med. inst. no. 38:117-128 '67.  
Effect of anodizing and cathodization on the brain. L. K. Danilova. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 20-23 '66.  
Effect of bilateral removal of the frontal lobes on retarded reflexes. N. A. Shustim. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 170-173 '65.  
Effect of caffeine on the higher nervous activity in animals. A. V. Baru. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 16-21 '65.

Effect of chophytol on the conditioned response activity. T. M. Kucherenko, N. S. Sofronov, G. I. Tsohkallo. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 9-14 '65.

Effect of convulsive attacks on the extinction of conditioned reflexes with and without reinforcement. N. M. Solohub. Fiziol. zhur. [Ukr.] 9 no. 1-20-23 Ja-F '63.

Effect of disorders in the limbic system on emotional reactions and conditioned response in rats. L. H. Allikmet, M. E. Ditch. Zhur. vyz. nerv. deiat. 15 no. 1-86-95 Ja-F '65.

Effect of individual vitamins and their complexes on the conditioned reflex activity in pigeons. A. I. Morozov, L. P. Bol'shova. Vop. pit. 23 no. 5 41-45 S-O '61.

Effect of irradiation with small doses of Co<sup>60</sup> in parental species on the higher nervous activity of rats in the first generation. M. S. Alekseeva, Vikt. K. Fedorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 1-7 '65.

Effect of ribonuclease on nonconditioned and conditioned reflexes in ontogeny of white mice. O. A. Kizlov, R. A. Danilova, V. S. Tongui. Zhur. vyz. nerv. deiat. 15 no. 1-70-85 Ja-F '65.

Electroencephalographic data on the role of the lateral and ventromedial nuclei of the hypothalamus in the closing of alimentary temporary connections. L. G. Voronin, L. V. Kalluzhnyi, I. N. Zakharova. Zhur. vyz. nerv. deiat. 15 no. 2-364-373 Mr.-Ap '65.

Electroencephalographic study of conditioned motor-defense reflex for time. M. M. Alaev. Izv. AN SSSR. Ser. biol. no. 3: 378-387 My-Je '65.

Electrophysiological manifestation of a conditioned reflex formed in response to a stimulation of thalamic midline nuclei. G. T. Sakhlulina, G. Kh. Merzhanova. Zhur. vyz. nerv. deiat. 15 no. 1-3-10 Ja-F '65.

Formation and development of external and some forms of internal inhibition in early ontogenesis of animals born at an early stage of development. V. O. Tishchikhin. Fiziol. zhur. [Ukr.] 9 no. 1-13-21 Ja-F '63.

Formation of a conditioned motor reflex to a thermal stimulant in baby rats in the early postnatal period. N. V. Toropova. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 157-160 '65.

Formation of a stereotype of conditioned alimentary reflexes in honeybees (*Apis mellifera* L.). N. G. Lopatina, E. G. Chesnokova. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 107-109 '65.

Intercentral relations during the formation of a motor dynamic stereotype based on the data of crossrelation analysis of human encephalography. I. B. Sologub. Zhur. vyz. nerv. deiat. 15 no. 1-32-41 Ja-F '65.

Interceptive conditioned response from the uterus following extirpation of the premotor zone of the cerebral cortex in dogs under conditions of saturation with estrogen. L. I. Lebedeva. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 95-99 '65.

Localization of the mechanism of interlinking inhibition of the cortical motor response. E. T. Blagodatova. Fiziol. zhur. 51 no. 3 300-308 Mr '65.

Materials of further study of the dynamic localization of conditioned inhibition induced by suggestion in hypnosis. I. I. Korotkin, M. M. Suslova. Zhur. vyz. nerv. deiat. 15 no. 1-53-60 Ja-F '65.

Materials on the problem of reflex reactions in decorticated mammals. Report No. 1: Attempt of forming interceptive motor-defensive conditioned reflexes in dogs. L. V. Lobanova. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 103-107 '65.

Mechanism of the formation of conditioned response. G. A. Shekhe, Zhur. vyz. nerv. deiat. 15 no. 2-316-324 Mr.-Ap '65.

Neuronal mechanism of "habituation" as the simplest form of conditioned response. B. N. Sokolov. Zhur. vyz. nerv. deiat. 15 no. 2-249-250 Mr.-Ap '65.

Organization of afferent flow and the process of distinction of signals of various duration. G. V. Gerasimov. Zhur. vyz. nerv. deiat. 15 no. 2-260-273 Mr.-Ap '65.

Orienting reflex and the first conditioned motor response. M. M. Khananashvili. Zhur. vyz. nerv. deiat. 15 no. 2-303-310 Mr.-Ap '65.

Participation of the nervous system in the mechanism of the action of adrenocorticotrophic hormone on gastric glands. I. T. Kurtain, N. A. Ibragimova. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 83-87 '65.

Participation of various coupling mechanisms in the formation of conditioned response. D. P. Neumyvaka (Kapusnik). Zhur. vyz. nerv. deiat. 15 no. 2-336-344 Mr.-Ap '65.

Physiological characteristics of the stimulation distribution in a muscular system following conditioned reflex changes in respiratory gas exchange. L. A. Isaakian, R. P. Olanianska, G. A. Trubitsyna. Dokl. AN SSSR 102 no. 3: 716-718 My '65.

Physiological mechanisms of inadequate motions. A. I. Shchastnyi. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 140-148 '65.

Physiological mechanisms of the so-called habit transfer. G. I. Shirkova. Zhur. vyz. nerv. deiat. 15 no. 2-374-380 Mr.-Ap '65.

Polarization of the motor area of the cerebral cortex by a direct current anode and the motor dominant. V. S. Rustinov. Zhur. vyz. nerv. deiat. 15 no. 2-217-228 Mr.-Ap '65.

role of structure and the problem of interrelations between psychic and physiological phenomena. R. S. Naumov. *Fiziol zhur* [Ukr.] 9 no. 1:22-26 Ja-I '63. 1 p. The formation and extinction of conditioned reflexes to time. A. O. Kurmaeva. *Nauch dokl. vys. shkol. biol. nauk* no. 2:79-83 '65.

the formation of a conditioned reflex depending on the intensity of the conditioned and nonconditioned stimulus in honeybees. I. A. Nikitina. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:123-126 '65.

the corpus callosum in the formation of complex conditioned reflexes. I. F. Aslanova. *Zhur. vys. shkol. med.* 2:357-363 Mr-Apr '65.

the motor regions of the cerebral cortex in the formation of lost functions of the analyzers in monogamy following exclusion of distant reception of the vestibular apparatus. V. I. Korolev. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:167-172 '65.

the influence of some characteristics of the type of highest activity in regulation of the trophic phase of the conditioned reflex. O. M. Pugol'. *Fiziol zhur* [Ukr.] 9 no. 1:27-33 Ja-I '63.

the mobility of the basic nervous processes in subjects with manic-depressive psychosis. A. I. E. Naumov, I. M. Patonzhyn's'ka. *Fiziol zhur* [Ukr.] 9 no. 1:103-109 Ja-I '63.

the cortical activity in children attending a school. N. V. Pradnikova, L. A. Firsova. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:130-134 '65.

the mobility of the basic nervous processes in subjects. S. D. Rasin. *Fiziol zhur* [Ukr.] 9 no. 1:1-10 Ja-I '63.

the thresholds of cortical primary responses during the development of positive and inhibitory conditioned reflexes. U. G. Casanov. *Dokl. AN SSSR* 243:713-715 My '65.

the thresholds of invoked potentials in the cortical projection of the conditioned stimulus. U. G. Casanov. *Zhur. vys. shkol. med.* 2:295-302 p '65.

the endocortical complex in man under prolonged (24 hours) effect of aminazine. I. I. Il'in, M. S. Menko, B. B. Bargman. *Biul. eksp. biol. i med.* 4:66-68 Ap '65.

the role of studying motor conditioned reflexes in the development of compensatory phenomena during parathyroid insufficiency. N. F. Baranova, M. F. Belovintseva, M. P. Martynenko. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:12-16 '65.

the character of conditioned temporary connection in motor and visual analyzers (change in the steady potential) of the surface of the cerebral cortex in rabbits. T. B. Shvets. *Zhur. vys. shkol. med.* 4:66-68 Ap '65.

the endocortical phase in the process of formation of inhibitory inhibition in monkeys (capuchins). Chastnyy. *Nauch. soob. Inst. fiziol. AN SSSR* 243:153-155 '65.

PHOTOMETRIC ANALYSIS

photometric method for determining aluminum in the presence of iron, calcium, and magnesium. G. B. Panchuk. *Zhur. anal. khim.* 20 no. 3:392-394 '65.

the titration of iridium (IV) with electrogenerated ferrocyanide. N. I. Stenina, P. K. Agasian. *Anal. khim.* 20 no. 3:351-354 '65.

the frequency titration of aliphatic dicarboxylic acids in aqueous solutions. A. P. Kreshkov, L. N. O. F. Kirillova. *Izv. vys. shkol. zash. z. khim. i fiz.* 7 no. 5:914-918 '64.

the frequency titration. Report No. 13. Titration of glycol media. V. A. Zarinskii, I. A. Gur'ev. *Anal. khim.* 20 no. 3:294-298 '65.

the peroxide in analytical chemistry. Part I: photometric titration of chromium on an apparatus rotating platinum electrode. S. M. Iatradakis, A. A. Danov. *Uzb. zhur. khim. zhur.* 8 no. 5:23-30 '64.

the titration of zirconium and hafnium chlorides with potassium ferrocyanide in aqueous solutions. N. F. Savenko, A. A. Danov. *Ukr. khim. zhur.* 31 no. 1:18-23 '65.

the titration of benzoylphenylhydroxylamine in the amperometric titration of cerium, thorium, and lanthanum. V. D. Danov, G. S. Mazharovskaya. *Ukr. khim. zhur.* 31 no. 1:101-104 '65.

the role of cones in a Banach space. I. A. Bakhtin. *Uzb. zhur. khim. zhur.* 8 no. 2:262-270 Mr-Apr '65.

CONFECTIONERY

to subdivision under (Ukraine)

the proportioning scales for free flowing material. U. D. Kobinec and others. *Khleb. i kond. prom.* 13:15-15 My '65.

the role of K. I. Dubrovina. *Khleb. i kond. prom.* 9 no. 4:42 Mr '65.

the role of M. E. [Mechanized continuous line for the production of cast loffe-type candy] Mekhanizirovannaya liniya proizvodstva litogo lisa. Moskva, in-t nauchno-tekhn. informatsii pishchevoi prom. 1964. 10 p. (Tekhnicheskaya informatsiya) [MICROFILM]

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Continuous line for non-vacuum cooking of candy fill. M. S. Druzhkov. *Khleb. i kond. prom.* 9 no. 5:33-34 My '65.

Experimental determining of the lifting capacity of vacuum grab devices for confectionery goods. I. U. V. Burlina. *Khleb. i kond. prom.* 9 no. 3:12-16 Mr '65.

Intensification of the performance of VS-42-DK dryers in the roasting of cacao beans. I. A. Chubik, R. R. Listovski, L. S. Kilanovskii. *Khleb. i kond. prom.* 9 no. 5:35-36 My '65.

Nudel'man, G. E., and others. [Continuous line for the production of halvah] Potchnaya liniya proizvodstva khalyvy. Moskva, Tsentr in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 18 p. [MICROFILM]

CONFECTIONERY—PATENTS

Patents. *Khleb. i kond. prom.* 9 no. 3:14 Mr '65.

CONFLICT OF LAWS

A valuable source for the study of international private law. R. Bystrycky. *Sov. gos. i pravo* 35 no. 5:144-147 My '65.

CONFORMAL MAPPING

Supplement to the article "On open mappings of manifolds of finite multiplicity." A. V. Chernavskii. *Mat. sbor.* 66 no. 3:471-472 Mr '65.

CONGLOMERATE see subdivision under Perechin region (Ukraine); Ural Mountains

CONGO (LEOPOLDVILLE)—INVESTMENTS, FOREIGN

"Businessmen" in the Congo. V. Laptev. *Az. i Afr. seg.* 8 no. 5:11-12 My '65.

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

The Organization of African Unity and the problem of the Congo. I. U. Dement'ev. *Az. i Afr. seg.* 8 no. 5:9-10 My '65.

CONGRESSES AND CONVENTIONS

[Bulletin of international scientific meetings, conferences, and congresses] Biul. mezhdunar. nauch. s'ezd., konf. i kongr. nos. 3-4 '65.

CONIFERAE

Morphology of the horizontal and tangential cell walls of the wood rays of conifers, their nomenclature and classification. E. S. Chachavadze. *Bot. zhur.* 50 no. 4:558-563 Ap '65.

CONIFERAE—DISEASES AND PESTS see subdivision under Siberia, Western

CONJUGATION (CHEMISTRY)

Conjugation of benzene rings through double links. Z. Alauze. *Trudy AN Litv SSR. Ser. B.* no. 3:91-94 '64.

Nature of the systems of conjugated bonds in coal. R. N. Smirnov, N. M. Karavaev. *Dokl. AN SSSR* 182 no. 3:597-599 My '65.

Phenylindoles and the conjugation of the benzene ring with the indole ring. A. N. Kost, I. P. Sugrobova, A. P. Iakubov. *Zhur. org. khim.* 1 no. 1:124-129 Ja '65.

Trialkyl-N-acylimidophosphates as conjugated systems. M. I. Kabachnik, V. A. Giltarov, Chizhan Chizhenko [Chang Cheng-tieh]. *Izv. AN SSSR, Ser. khim.* no. 4:665-669 '65.

CONJUNCTIVITIS, GRANULAR see subdivision under Turkmenistan

CONNECTIVE TISSUES

Correlation between the regeneration of parenchymal elements and the state of the connective tissue. B. P. Solopae. *Nauch. soob. AN Gruz SSR* 29 no. 1:101-106 Ji '62.

Development of experimental arteritis in animals following introduction of group A streptococcus culture mixed with the homogenate of homologous connective tissue. L. V. Beletskaya. *Ark. pat.* 27 no. 5:24-29 '65.

Morphogenesis and morphology of the capsule of vascular prosthesis of synthetic materials, experimental study. N. A. Bykova, N. B. Dobrova. *Ark. pat.* 26 no. 12:39-45 '64.

CONNECTIVE TISSUES—INFLAMMATION

Aseptic inflammation in the connective tissue following the administration of urethan. L. D. Petrova. *Ark. anat., gist. i embr.* 48 no. 4:52-62 Ap '64.

CONSCIOUSNESS

Slight transitory dimming of consciousness in prolonged treatment with neuroleptic substances. E. G. Kel'mishkett. *Vop. khim., patol. i lech. shiz.* no. 1:56-58 '64.

CONSERVATION OF NATURAL RESOURCES

(see also subdivision under Kazakhstan)

Fedorov, A. I. [Conservation and use of natural resources] Otkranna i ispol'zovanie prirodnikh resursov. Alma-Ata, Kazsol'khozgiz, 1964. 135 p.

CONSERVATION OF WILDLIFE see Wildlife, Conservation of

CONSTITUTIONAL LAW—BIBLIOGRAPHY see Bibliography—Constitutional law

CONSTRUCTION EQUIPMENT

(see also subdivision under Bashkiriya, Leningrad, Moscow; Poland)

Basic problems of the reliability and longevity of construction and road machinery. Stroi. i dor. mash. 8 no. 3:1-4 Mr '63.

Centralize the technical administration of construction and road machinery manufacturing. Stroi. i dor. mash. 8 no. 1:1-2 Ja '63.

Equipment for manufacturing blocks. I. Zolotov, S. I. Stroi. 19 no. 1:21-22 Ja '65.

New standard electrical units for the construction industry. F. M. Lashchikov, G. A. Potekhin. *Stroi. i arkh. Uzb.* 6 no. 2:11-13 Ji '65.

Russia (1923- U. S. S. R.) Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti. Tsentral'naya normativno-issledovatel'skaya sluzhba. [Equipment, devices, and instruments for general construction work] Inventar' priporobleniya i instrument dlia obshchestvenno-tekhn. i dor. stroitel'stva. Moskva, Nedra, 1965. 39 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi proizvodstvennyi komitet po montazhnym i spetsial'nym rabotam. [Tools, devices, and mechanisms for assembling and special work] Instrumenty, priporobleniya i mekhanizmy dlia montazhnykh i spetsial'nykh rabot. Moskva, Vol. 3, 1964. 275 p. [MICROFILM]

Tools and equipment for assembly work. Stroi. i dor. mash. 19 no. 1:24-25 Ja '65.

Use these yourselves. Stroi. i dor. mash. 10 no. 1:26 Ja '65.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR see subdivision under Kazakhstan; Transcaucasia

CONSTRUCTION EQUIPMENT—RELIABILITY see subdivision under Russia, Northern

CONSTRUCTION EQUIPMENT INDUSTRY—MANAGEMENT see subdivision under Odesa

CONSTRUCTION INDUSTRY

(see also subdivision under Ashkhabad, Chirchik, Uzbekistan; Donetsk, Leningrad; Moltavia; Novosibirsk; Petrozavodsk; Soviet Central Asia; Turkmenistan; United States)

Churakov, K. I. [Construction projects of the seven-year plan] Stroiki semiletii. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 62 p. [MICROFILM]

Dainovskii, A. [Planning major construction; lectures in the course of "Planning the national economy of the U. S. S. R."] Planirovaniye kapital'nogo stroitel'stva; teksty po kursu "Planirovaniye narodnogo khozaystva SSSR." L'vov, L'vovskii trgovno-ekon. in-t, 1969. 52 p. [MICROFILM]

Exhibitions and displays of special items. Inform. biul. VDNKH no. 10:10 O '63.

Important problems in construction. E. I. Gamburg, I. I. Urteev. *Avtom. i telemekh. i svyaz'* 9 no. 5:5-7 My '65.

In the State Committee on Construction of the Council of Ministers of the U. S. S. R. Stroi. i arkh. Uzb. 6 no. 2:42-44 F '65.

The party organization of a construction project. V. Marchenko. *Part. zhizn'* no. 10:30-45 My '65.

Stepov, I. A. [Technical progress and the organization of construction] Tekhnicheskii progress i organizatsiya stroitel'nogo proizvodstva. Moskva, Ekonomika, 1965. 143 p. [MICROFILM]

CONSTRUCTION INDUSTRY—ACCOUNTING

(see also subdivision under Kazakhstan; Kiev; Lower Volga Economic region; Orel; Samarkand)

Accounting for production areas ready for the assembly of equipment. P. Zel'tser. *Vest. stat.* no. 5:54-59 '65.

CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION see subdivision under Aktubinsk Province; Odessa

CONSTRUCTION INDUSTRY—COSTS see subdivision under Georgia

CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Armenia)

Facing the problem. V. Venfal', A. Mol'nikov. *Stroi. i arkh. Uzb.* 6 no. 2:39-40 F '65.

Rakhmanov, I. U. N. [Progressive forms of payments in construction] Progressivnye formy raschetov v stroitel'stve. Leningrad, 1965. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Povedeniye proizvodstvennyy opyt. Seriya: Stroitel'noe proizvodstvo)

Role of profit in construction. V. Givovskii. *Ekon. i stat.* no. 12:65-69 D '64.

## STRUCTION INDUSTRY—JOB DESCRIPTIONS

pecialization and the division of labor in construction. i, Sharapova. Sov. trud 10 no. 2:65-71 '65

## STRUCTION INDUSTRY—MANAGEMENT

se also subdivision under Karaganda Province; azakhstan, Transcaucasia)

ward regulation should be amended. M. Saigir'. Ekon. rol no. 12:53-51 D '61

cybernetics in construction V. Rybal'skii, Ekon. rol no. 12:23-26 D '61

## STRUCTION INDUSTRY—PRODUCTION STANDARDS

se subdivision under Europe, Eastern

## STRUCTION INDUSTRY—SCHEDULING

builders should use the network schedule Nar, Khaz. vazki 23 no. 141 Ap '65

## STRUCTION INDUSTRY—STATISTICS

borg, A. M., F. G. Dolgushevskii, and L. M. Kryama-yskii. [Collection of problems on the statistics of pital construction] Sbornik zadach po statistike kapital'nogo stroitel'stva. Moskva, Statistika, 1955. 254 p.

## STRUCTION INDUSTRY—TECHNOLOGICAL INNOVA-

ONS see subdivision under Azerbaijan

## STRUCTION WORKERS

se also subdivision under Nazarovo, Krasnoyarsk (rilitary)

ovets, V. I. ["Builder" is an honorable title] "Okh!"—pochetnoe zvanie. [Rostov-na-Donu, stovskoe knizhnoe izd-vo, 1962] 18 p. (Tribuna ocheho avtora)

[MICROFILM]

## STRUCTION WORKERS—EDUCATION AND TRAIN-

3 see subdivision under Leningrad

## UMERS' GOODS see Russia—Manufactures

## UMPTION (ECONOMICS)

blems of the optimal structure of consumption, ichal Kulecki Ekon i mat. metod. 1 no. 1:54-61 -F '65.

## AINERS

on potentialities of reducing expenses and losses on es and containers R Kniazeva. Sov. potreb koop. o. 439-41 Ap '65  
es instead of income. V. Gubanov, I. Zolotarevskii. . tolg. 38 no. 1:26-30 Ap '65.

## AINERS—STANDARDS

i, paper, and cardboard containers and auxiliary erials] Tara derevianaya, bumazhnaya, kartonnaya pomogatel'nye materialy. Izd. ofitsial'noe. Moskva, vo Standartov, 1965. 451 p. (SSSR. Gosudarstven-standart)

## INUOUS CASTING

handless of the formation of internal hot cracks in a ntinuous rectangular ingot. N. G. Gladyshev and ers. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:40- '65.

## INUOUS FUNCTIONS see Functions, Continuous

## RACTS

ies to a contract of support for life R Dilukhi. d. pravo 26 no. 3:72-74 My-Je '65.

## RACTS, AGRICULTURAL

o also subdivision under Estonia; Zaporozh'ye ylnce)

ases established for collective and state farms for filling contractual agreements. L. Nazarevskii. kup, sel'khoz. prod. no. 5:54-55 My '64.

uro the fulfillment of contractual agreements. kup, sel'khoz. prod. no. 5:1-3 My '64.

## RACTURE

osis of the initial degree of contracture of the cle stretching the fascic lata. G. S. Aizikov. Ortop. m. i protez. 26 no. 2:60-63 F '65.

## RGENCE

ral theorems on quadratic relaxation. IU, I. Liubtch. i. AN SSSR 161 no. 6:1274-1277 Ap '65.

polation of power series absolutely converging on boundary of the circle of convergence. S. A. Vinodov. Vest. LGU 20 no. 7:30-44 '65.

of convergence of the Ritz method for eigenvalues ifferential operators. A. V. Dzishkariani. Soob. Gruz. SSR 28 no. 5:513-519 My '62.

of convergence to normal distribution. I. A. igimov. Dokl. AN SSSR 161 no. 6:1267-1269 Ap

## RTERS

stories for copper smelting converters. V. A. zminikov, E. E. Grishenkov. TSvet. met. 38 :131-25 Ap '65.

Using converters for steelmaking in shaped-steel cast- ing foundries. N. M. Prikhod'ko. Met. i gornorud. prom. no. 2:30-31 Mr-Apr '65.

## CONVERTERS—DESIGN AND CONSTRUCTION

Dynamic loading in the tilt mechanism of a converter. F. K. Ivanchenko, V. D. Zhegnachuk. Izv. vys. ucheb. zav.; Chern. met. 8 no. 5:101-109 '65

## CONVERTERS—VIBRATION

Investigating attenuating vibrations of a converter. IU, E. Rubinshtein. Mashinovedenie no. 1:59-69 '65.

## CONVEX SURFACES

Infinitesimal flexures of surfaces in the case of sleeve connections. V. T. Pomenko. Dokl. AN SSSR 161 no. 4: 780-782 Ap '65.

Some problems for convex surfaces with limitations for curvature. V. K. Ionin. Sib. mat. zhur. 6 no. 2:305-322 Mr-Apr '65.

## CONVEYING MACHINERY

(see also subdivision under Donets Economic region)

Apron conveyor for transporting hot castings A. K. Shevtilagin Lit. i protzv. no. 6:18-19 Je '64

Belen'kii, D. M. [Main conveyors] Magistral'nye kon- vellery. Moskva, Nedra, 1965. 220 p.

Blocking device. M. N. Polin, A. K. Fadeev. Khar. prom. no. 2:60-61 Ap-Je '65.

Determining the efficient shape for the grooving of belt conveyors I. Kotarov, N. TS'irvenkov. Vest. mashinost. 45 no. 4:39-41 Ap '65

Dodonov, B. P. [Hoisting and conveying devices; manual for students specializing in mechanics and technology] Pod'munno-transportnye ustroistva; uchebnoe posobie dlia mekhanicheskikh i tekhnologicheskikh spetsial'no- stol. Pod red. V. P. Zybina. [Moskva] Vses. zaach- nyl in-t tekhnol'noi i legkoi promyshl., [1964] 150 p.

The KM-87 unit has been mastered. A. M. Kornetsekh. Ugol' Ukr. 6 no. 5:5-6 My '65.

Mechanization of hauling operations in meat and fat processing shops S. V. Balabashkin, Z. M. Kiper. Khar. prom. no. 2:20-21 Ap-Je '65

Modern conveyor transportation of overburden and coal at the "Trebandorf" strip mine. I. M. Norkin Ugol' 40 no. 4:67-70 Ap '65.

New design of the lowering part of an overhead push conveyor. V. N. Golod, S. P. Mizerukha. Mashino- stroitel' no. 5:6-7 My '65.

Overhead conveyor track made with angle steel. V. Aleinikov. Mias. ind. SSSR 36 no. 2:38-39 '65.

Pulsating assembly conveyor. V. F. Davydov. Mashino- stroitel' no. 5:3-4 My '65.

Studying the parameters of the transport of granulated rubber and rubber compounds on a vibrator; vertical conveyor. V. N. Poturaev, A. G. Chevonenko. Kauch. i rez. 24 no. 4:27-31 Ap '65.

Teslenko, I. I., and V. F. Klinehova. ["Carousel-type" milking systems; from practices in the use of milking conveyors] Doin'nye ustanovki "Karusel". Iz opyta pri- meneniia konveiertnykh doil'nykh ustanovok. Moskva, Bluro tekhn. informatsii, 1964. 95 p. (Vsesoiuzskoe ob'edinenie Soveta ministrov RSFSR "Rossel'khoztekhnika." Peredovoi opyt i predlozheniia. [III Seria: Mekh- nizatstva i rudonnikii protsessov v sel'skom khoziaistve i zhivotnovodstvo])

[DNAL MICROFILM]

Using an electronic computer for the determination of efficient parameters of dump formation with conveyor transportation. V. S. Chebykin. Izv. vys. ucheb. zav.; gor. zhur. 8 no. 2:110-116 '65.

Veksler, V. M., A. M. Ignatovich, and T. I. Mukha. [Load- ing and unloading, hoisting and conveying machinery] Pogruzochno-rasgruzochnye i pod'munno-transportnye mashiny. Moskva, VZIT.

Pt. 2. Ignatovich, A. M., ed. [Conveying machin- ery, manual for students of the fourth year spe- cializing in transportation and car construction, and of the fifth year specializing in building mate- rials] Transportirovushchie mashiny; uchebnoe posobie dlia studentov IV kursa spetsial'nosti T, V i V kursa spetsial'nosti SM. 1964. 173 p. [MICROFILM]

Vibratory vertical conveyors. V. N. Gusakov, G. V. Iakovleva. Kons. i ov. prom. 20 no. 5:43 My '65.

## CONVEYING MACHINERY—ELECTROMECHANICAL ANALOGIES

Determination of dynamic stresses in traction chains of conveyor hoists for drill pipe with the aid of electric modeling. IU, M. Korkin. Izv. vys. ucheb. zav.; gor. zhur. 8 no. 2:117-121 '65.

## CONVEYING MACHINERY—TESTING

Results of the experimental testing of the SP-63 scraper conveyor. N. S. Pollakov and others. Ugol' 40 no. 4: 53-56 Ap '65.

## CONVULSIONS

Effect of convulsive attacks on the extinction of conditioned reflexes with and without reinforcement N. M. Solohub. Fiziol. zhur. [Ukr.] 9 no. 1:120-123 Ja-F '65.

## COOKERY (FBI)

Canning and cooking of the Indian and Pacific Ocean variety of spotted tuna (Euthynnus affinis) Z. O. Iakovleva, L. D. Iarovlayeva. Khar. prom. no. 2: 45-47 Ap-Je '65

## COOKERY FOR INSTITUTIONS, ETC.

[Short collection of recipes for dishes and culinary prod- ucts for public eating establishments] Kratkiy sbornik retseptov blud i kulinarnykh izdelii dlia predpriatii obshchestvennogo pitaniia. [Moskva] Ekonomika, 1964. 296 p.

## COOKING SCHOOLS see subdivision under Bashkirla

## COOPERATIVE EDUCATION see Education, Cooperative

## COOPERATIVE SOCIETIES

(see also subdivision under Estonia, Hungary; Ulyanovsk Province)

Improve the cooperators' efficiency in state deliveries of agricultural products. A. P. Klimov. Zakup, sel'khoz. prod. no. 5:6-11 My '61.

In the interest of the development of socialism

F. Vakulin, N. Trusov. Sov. potreb. koop. 9 no. 4:11-14 Ap '65

Urgent measures. Sov. tolg. 38 no. 5:1-3 My '65.

## COOPERATIVE SOCIETIES—OFFICIALS AND EM- PLOYEES

Man with a generous heart E. Sadakov. Sov. potreb. koop. 9 no. 4:26 Ap '65

This should not be tolerated G. Iakovlenko. Sov. potreb. koop. 9 no. 1:42 Ap '65.

## COORDINATES

Some problems associated with the elimination of de- pendent coordinates. G. B. Shaltupor. Opt. i spekr. 18 no. 3:361-368 Mr '65.

## COORDINATION COMPOUNDS—SPECTRA

Infrared absorption spectra of the complex compounds of copper of monopyridinecarboxylic acids and their deriva- tives M. A. Azizov and others. Uzb. khim. zhu. 8 no. 5:47-53 '64

## COOTS—PARASITES see Parasites—Coots

## COPPER

Decomposition of hypochlorite in the presence of copper in a homogeneous medium. A. Prokopenko, J. Butke- vichus. Trudy AN Litv. SSR Ser. B no. 3:31-40 '61.

## COPPER—ANALYSIS

Colorimetric determination of trivalent copper. G. Ro- zovskii, J. Butkevichus, A. Prokopenko. Trudy AN Litv. SSR Ser. B no. 3:25-29 '64.

Photometric determination of copper in magnesium and magnesium alloys by means of nicotinic acid. V. N. Tikhonov, I. S. Mustafin. Zhur. anal. khim. 20 no. 3:390-392 '65.

Study of the oxidation kinetics of hydriquinone with hydrogen peroxide in the presence of copper and pyridine ions. E. M. Stel'tsova, V. I. Potashen\*. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6: 910-923 '64.

Use of thiosemicarbazides in analysis Part 7. Photo- metric determination of copper in aluminum and its alloys N. V. Koshkin, F. B. Agrest. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:910-913 '64

## COPPER—CORROSION

Corrosion resistance of various copper types in acetic acid solutions. F. E. Anuchin, A. I. Firsov, G. F. Mikhailuk. Gidroliz. i legokhim. prom. 18 no. 2: 12-14 '65.

## COPPER—ELECTROMETALLURGY

Calculating electrolytic copper smeltes with soda in a fluidized bed. N. A. Kolesnikov, IU. A. Koz'min, L. S. Getskin. TSvet. met. 38 no. 4:62-63 Ap '65.

Shaft furnace calcination of electrolytic copper slime. D. A. Dukotov and others. TSvet. met. 38 no. 4:128-30 Ap '65.

## COPPER—METALLURGY

Preparation of copper concentrates for converter processing. I. I. Kershanskii, O. Kh. Kagarmanov. TSvet. met. 38 no. 4:22-27 Ap '65.

Refractories for copper smelting converters. V. A. Ragozinikov, E. D. Grishenkov. TSvet. met. 38 no. 4:31-35 Ap '65.

## COPPER—PHYSIOLOGICAL EFFECT

Biochemical mechanisms of copper deficiency. M. A. Rish, L. I. Shcherbakova. Dokl. Akad. sel'khoz. nauk no. 2:33-36 F '65.

## COPPER—TESTING

Contact and elastic characteristics of powder copper. M. IU. Bai'zhin, S. G. Fedotov. Izv. AN SSSR, Met. no. 1:160-172 Ja-F '65.





**TRISONE—PHYSIOLOGICAL EFFECT**  
 ect of cortisone in experimental typhoid fever infection in mice. B I Zhivotov, K I Kudriasheva. Zhur. mikrobiol., epid i immun. 41 no. 10 22-26 '64  
 ect of streptomycin on the efficacy of experimental immunization with live vaccines. Report No 2: Introduction of streptomycin during immunization with tularemia vaccine. D T Khokhlov. Zhur. mikrobiol., epid. immun. 41 no. 10 17-22 '64

rticipation of the nervous system in the mechanism of the effect of cortisone on gastric glands. L. T. Kutsin, A. A. Taroslavtseva, Nauch. soob. Inst. fiziol. AN SSSR, 3, 388-91 '65.

**UNDUM**  
 e of the theory of dislocations in studying friction at the wear of silicon carbide and corundum single crystals. M I Bohomolov, L. M. Novikova. Dop. AN RSR no. 5 577-579 '65

**UNDUM—TESTING**  
 of photostation and shrinkage of corundum during sintering. S. Kainarski, I. G. Olova, E. V. Degtiareva, Forush. net. 5 no. 5, 82-89 My '65

**YDALIS** see subdivision under Achishkho, Mount

**YNEBACTERIUM**  
 elation of toxigenicity, sensitivity to phages and antibiotics in variants of *Corynebacterium diphtheriae* produced in the interaction with diphtheria, staphylococcal and streptococcal phages. E. V. Bakulina. Antibiotiki 10 no. 2, 159-162 F '65.  
 ect of preplanting treatment of tomato seeds with penicillin on the increase in plant resistance to *Corynebacterium michiganense*, a causative agent of bacterial necrosis. K. G. Bel'tukova, M. S. Halyn'ska. Mikrobiol. iur. 27 no. 2:40-52 '65  
 ability of diphtheria bacilli under the influence of antibiotics. N. S. Zikeeva. Trudy Khar. med. inst. 30:209-213 '57.

**YETICS**  
 nical standards and development prospects of the perfume and cosmetics industry. Maslozhit. prom. 31, 4-15 Ap '65.

**IC RADIATIONS, RADIO-FREQUENCY**  
 itutions in the ČTA102 flux at the wavelength of 3 cm. G. B. Sholomitskii. Astron. zhur. 42 no. 3: 674 My-Je '65  
 ito emission from clusters of galaxies. G. B. Sholomitskii, I. U. F. Kokin. Astron. zhur. 42 no. 3: 4-675 My-Je '65  
 io radiation from galaxies at the wavelength of 32 cm. N. Kuril'chik, G. A. Sytsko. Astron. zhur. 42 no. 3: 1-530 My-Je '65  
 ly of the spectra of discrete cosmic radio emission sources at frequencies below 40 Mc. L. L. Bazelian and others. Astron. zhur. 42 no. 3:618-628 My-Je '65.

**IC RAYS**  
 mic and molecular orientation by resonant radiation outer space. D. A. Varshalovich. Astron. zhur. no. 3:557-560 My-Je '65.  
 ifal distribution of muon fluxes in extensive air showers. B. A. Khrenov. Izd. fiz. 1 no. 3:540-546 r '65

**IC RAYS—PHYSIOLOGICAL EFFECT**  
 the route from earth to moon; biological evaluation of the radiation danger of space flight. V. V. Antipov, J. D. Nikitin, F. F. Saksonov. Priroda 54 no. 4:46-53 p '65.

**IC RAYS—SPECTRA**  
 amical frequency spectra of short-period variations in cosmic ray intensity. G. V. Kuklin, A. A. Luzov. omag. i aer. 5 no. 3 384-391 My-Je '65.  
 of selective frequency filters in studying periodic rations in cosmic ray intensity. A. A. Luzov, G. V. klin, A. I. Pezhemskii. Geomag. i aer. 5 no. 3 2-400 My-Je '65.

**OGONY**  
 imics of stellar system. G. M. Idlis. Vest. AN Kazakh 21 no. 3:60-65 Mr '65.  
 onization of matter on collapse and the neutrino stream. I. A. B. Zeldovich, O. Kh. Guseinov. Dokl. SSSR 162 no. 4:791-793 Je '65.

**ACCOUNTING**  
 e also subdivision under Moscow Economic region; (ited States)  
 instruction. Bukhg. uch. 22 no. 3:76 Mr '65.  
 the problem of calculating production costs. A. Salimo. ukhg. uch. 21 no. 10:51-52 O '64  
 ration control over production costs. V. Spirin. ukhg. uch. 21 no. 10:21-28 O '64.

**AND STANDARD OF LIVING**  
 r further improvement of the welfare of the Soviet people. Bukhg. uch. 21 no. 10:3-6 O '64.

**COSTS, INDUSTRIAL**  
 Practice in the use of algorithms in the formation of several production cost indices. A. V. Vlasov. Vop. stat. i ucheta no. 6 49-55 '62

**COSTUME** see subdivision under Georgia, Ukraine

**COSTUME DESIGN** see subdivision under Lithuania

**COTTON**  
 Effect of cinnamic acid on some physiological and biochemical processes in cotton. N. B. Palesko. Izv. AN Turk. SSR. Ser. biol. nauk no. 1 9-16 '65.  
 Effect of defoliation on the seed and fiber of cotton in the following generation. S. I. Kadaliyev. Shor. nauch. rab. asp. Soluz. NIKHI no. 5 348-352 '64  
 Effect of the thermal treatment of seeds before planting on the growth, development and yield of cotton. Kh. T. Boltsev. Urb. biol. zhur. 8 no. 2 33-38 '65.  
 Role of photosynthetic intensity and productivity in the rate of ripening of fine-fiber cotton. A. M. Lemzeva. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 6-14 '65

**COTTON—DISEASES AND PESTS** see subdivision under Kara-Kalpak A. S. S. R.

**COTTON—FERTILIZERS AND MANURES**  
 (see also subdivision under Andizhan Province; Golodnaya Steppe; Kara-Kalpak A. S. S. R.; Soviet Central Asia; Uzbekistan, Zeravshan Valley)  
 Effect of gibberellic acid on some metabolic aspects in cotton under various conditions of nitrogen and phosphorus nutrition. T. B. Bazanova. Izv. AN Turk. SSR. Ser. biol. nauk no. 1:17-21 '65  
 Effect of trace elements and their combinations on the metabolism in cotton. G. A. Rafikova. Shor. nauch. rab. asp. Soluz. NIKHI no. 5:254-263 '64.  
 Effectiveness of the placement of the various forms of nitrogen fertilizers for cotton. M. Dzhallilov. Shor. nauch. rab. asp. Soluz. NIKHI no. 5:358-361 '64

**COTTON—HARVESTING**  
 (see also subdivision under Samarkand Province)  
 Physiological study of the defoliation and dessication of Soviet fine-fiber cotton. I. U. V. Raktin, A. B. Sopyayev. Agrokhimia no. 1:95-101 Ja '65

**COTTON—IRRIGATION**  
 (see also subdivision under Andizhan Province; Fergana Valley; Golodnaya Steppe, Kazakhstan, Mary District; Uzbekistan)  
 Effect of irrigation methods on the transpiration intensity of cotton. A. A. Alimantazov, E. E. Uzenbaev. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 2:52-55 Mr-Apr '65.

**COTTON—VARIETIES**  
 (see also subdivision under India)  
 Amino acid and carotene content in cotton varieties differing in their ripening time. L. A. Polianokina. Izv. AN Turk. SSR. Ser. biol. nauk no. 1:3-8 '65.

**COTTON BREEDING**  
 Importance of cultivation practices in the evaluation of cotton collection samples for breeding purposes. D. V. Ter-Avanesian. Dokl. Akad. sei'khoz. nauk no. 2:16-20 F '65  
 Some data on shortening the vegetative period in the cotton plant. A. M. Kuliev, A. V. Kononenko. Izv. AN Azerb. SSR. Ser. biol. nauk no. 1 29-36 '65.

**COTTON FINISHING**  
 Simultaneous dyeing with dichlorotriazine dyes and finishing with synthetic resins. R. D. Efros, F. I. Sadov. Tekst. prom. 25 no. 4:45-48 Ap '65

**COTTON GROWING**  
 (see also subdivision under Andizhan Province; Golodnaya Steppe; Kara-Kalpak A. S. S. R.; Kirghizistan; Soviet Central Asia; Zeravshan Valley)  
 Characteristics of the development of cotton in the second and third generations from radiated seeds. M. A. Atazhanov. Dokl. Akad. sei'khoz. nauk no. 3:16-17 Mr '65.  
 Productivity of 1:4 field crop-1 on crop rotations after one year of cotton growing. N. Safiev. Shor. nauch. rab. asp. Soluz. NIKHI no. 5:40-44 '64.

**COTTON GROWING—ACCOUNTING** see subdivision under Soviet Central Asia

**COTTON GROWING—LABOR PRODUCTIVITY** see subdivision under Kurganepa District

**COTTON MACHINERY**  
 Rakov, A. F. [Modern cotton drawing frames] Sovremennye lentochnye mashiny dlia khlopa. Moskva, Legkai. industriia, 1955, 86 p.

**COTTON SPINNING**  
 Statistical method of production control in cotton spinning. O. I. A. Berezina. Tekst. prom. 25 no. 4:25-27 Ap '65.

**COTTON WASTE**  
 Application of cationizing in the recovery of citric acid from cotton waste. N. U. Rizayev and others. Izv. vys. ucheb. zav.; pishch. tekhn. no. 1:174-175 '65.

Pneumatic conveying of comb waste. M. I. A. Kavalerechik. Tekst. prom. 25 no. 4:63-66 Ap '65

**COTTON WILT**  
 Control measures against the cotton wilt. V. G. Kechevzhkin. Izv. AN SSSR. Ser. biol. no. 3:463-466 My-Je '65  
 Pathogenesis of verticillium wilt in cotton. A. A. Benken. Bot. zhur. 50 no. 3:430-434 Mr '65.

**COTTONSEED**  
 Simplified analysis method for determining gossypol content. A. L. Markman, M. D. Makhmadaminov. Maslozhit. prom. 31 no. 2:11-12 F '65

**COTTONSEED OIL**  
 Change in the oiliness of cotton seeds as related to the time of seed harvesting. N. Pulatov. Urb. biol. zhur. 8 no. 2 37-38 '65.

**COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE** see Mutual Economic Assistance Council

**COUNTING** see Numeration

**COUNTING DEVICES**  
 Electric device for counting sacks on a conveying belt. V. Nosachev. Muk. elev. prom. 31 no. 4:17-18 Ap '65.  
 Probability model of a multilinear signal counter. A. A. Alekseev. Kibernetika no. 2 80-97 Mr-Apr '65

**COURAGE**  
 Gurova, R. G. [Heroic deeds and heroism] O podvige i geolizme. Moskva, Izd-vo "Znanie," 1965, 61 p. (Novoe v zhizni, nauke, tekhnike. X Seriya: Molodezhnaja, no. 5)

**COURT RECORDS**  
 (see also subdivision under Ukraine)  
 Give more attention to having the laws and judicial decisions systematically compiled. Sov. iust. 29 no. 7: 4-5 Ap '65

**COURTHOUSES**  
 Raise the standard of court work. N. Prusakov. Sov. iust. 29 no. 7:1-3 Ap '65

**COURTS**  
 (see also subdivision under Algeria; Czechoslovakia; Donetsk Province; Gennany, East, Kherson Province; Kuyansk District; Moldavia; Moscow; Transcarpathia; Ukraine, Union Republics)  
 Arrangements for the reception of citizens in courts should be improved. Sov. iust. 29 no. 10:1-3 My '65.  
 Improve the cooperation between the organs of the Procuracy and courts. M. I. Akovlev. Sov. iust. 28 no. 12:4-6 Ja '64.  
 Investigation by the court of the causes and circumstances conducive to crime. K. Shvortsov, I. Shuga. Sov. iust. 28 no. 12:20-21 Je '61.  
 Raise the standard for traveling sessions of courts. T. Pochorilko. Rad. pravo 28 no. 3:61-64 My-Je '65.  
 Raise the standard of court work. N. Prusakov. Sov. iust. 28 no. 7:1-3 Ap '65.  
 Sapargaliyev, M. S. [Two worlds, two systems of courts and law] Dva mira - dve sistemy suda i zakonosti. Alma-Ata, Izd-vo "Kazakhstan," 1965, 142 p.  
 Socialist administration of justice and its educational role. V. Kulikov. Sots. zakon. 42 no. 3:50-57 My '65.

**COURTS—ACCOUNTING** see subdivision under Ukraine

**COURTS—AUDITING AND INSPECTION** see subdivision under Ukraine

**COURTS—OFFICIALS AND EMPLOYEES** see subdivision under Rostov Province

**COURTS—MARTIAL AND COURTS OF INQUIRY**  
 Military justice during the Great Patriotic War. A. Gornyl, N. Chistilakov. Sots. zakon. 42 no. 5:19-23 My '65.

**COXSACKIE VIRUSES**  
 Epidemiological characteristics of an outbreak of Cocksackie virus infection. K. A. Denisov, N. N. Lapin. Zhur. mikrobiol., epid. i immun. 41 no. 10:141-142 O '64.  
 Interference of enteroviruses in tissue cultures. L. M. Mentkevich. Vop. virus. 10 no. 1:50-55 Ja-F '65.

**CRABS**  
 (see also subdivision under Bering Sea)  
 Fecundity of *Hithopaneops harrisi* (Gould) spp. tridentatus (Maitland). B. F. Grigor'ev. Gidrobiol. zhur. 1 no. 1:58-69 '65

**CRACKING PROCESS**  
 Effect of the heterogeneous a/v factor on the kinetics and mechanism of the cracking of butanes. R. V. Ivanova, I. U. S. Protasova, A. D. Stepanovich, Neftekhimika 5 no. 1:33-39 Ja-F '65.

## CRACKING PROCESS (Continued)

- Efficient rectification of gasoline and the sampling of aromatic hydrocarbons in catalytic reforming. **I. V. Butarova, N. A. Zubkova, A. I. Preobrazhenskaya**. *Nefteper i neftekhim.* no. 4:25-27 '65.
- Electric thermofor cracking and hypersorption. **I. K. Morozov**. *Nefteper i neftekhim.* no. 4:31-36 '65.
- Investigation of natural gas to obtain acetylene. **V. I. Baur**. *Trudy MINKHGP* no. 44:193-196 '63.
- Establishing the proper elemental composition of the heavy feed of catalytic cracking. **M. P. Zaitsev, E. V. Smolich**. *Trudy MINKHGP* no. 44:203-209 '63.
- Features of the thermal cracking of individual oil fractions. **G. M. Parshenkov, V. I. Baranov**. *Trudy MINKHGP* no. 44:214-219 '63.
- Organizing the movement of gases in tubestill heaters. **P. I. Mikhailov, A. I. Skoblo**. *Trudy MINKHGP* no. 44:219-224 '63.
- Possibility of using a deasphalted product as a raw product for catalytic cracking. **A. I. L'vova**. *Trudy MINKHGP* no. 44:196-192 '63.
- Radical-thermal cracking of oil fractions. **G. M. Parshenkov and others**. *Trudy MINKHGP* no. 44:219-223 '63.

## CRACKING PROCESS—EQUIPMENT AND SUPPLIES

- Gas-fractionation unit for catalytic reforming. **D. M. Slavin**. *Nefteper i neftekhim.* no. 3:34-37 '65.
- Remodeling the catalyst circulation system in a catalytic cracking unit. **V. M. Kurganov, A. Gonsales, A. S. Vityer**. *Nefteper i neftekhim.* no. 3:5-10 '65.

## CRAMBE

- Your ask—we answer. Inform. biul. VDNKH no. 4:35 Ap '65.

## CRANES (BIRDS) see subdivision under Yakutia

## CRANES, DERRICKS, ETC.

(see also subdivision under Lvov)

- Al'perovich, A. I.** [Ways of improving the use of tower cranes in construction] *Puti uluchsheniya ispol'zovaniya bashennykh kranov v stroitel'stve*. Moskva, Stroizdat, 1964. 52 p.

- Causes of failure in compressed arms of welded crane beams. **A. S. Dovzhenko**. *Mat. po met. konstr.* no. 8:154-171 '64.

- Determining the estimated cost of the machine shifts of erecting cranes. *Trudy MIIT* no. 192:98-115 '65.

- Determining the number of cranes servicing the warehouses. **E. Zin**. *Rech. transp.* 24 no. 4:23-25 '65.
- Dynamic loads in metallurgical cranes. **A. G. Gorbachev**. *Izv. vya. ucheb. zav., mashinostr.* no. 4:118-125 '65.

- Engineering and economic indices of the erection of large-panel three-story buildings by various cranes. **M. A. Fishchukov**. *Trudy MIIT* no. 192:132-148 '65.

- Increasing the maneuverability and mobility of rubber-tired cranes. **A. G. Lysakov**. *Stroi. i dor. mash.* 10 no. 4:6-8 Ap '65.

- K-63 truck crane. **V. G. Myshkin**. *Stroi. i dor. mash.* 8 no. 1:8-12 Ja '63.

- Kanajka, N. S., and A. A. Novatskii.** [Manual for operators of tower cranes] *Pamiatka mashinista bashennogo kрана*. Izd. 2, ispr. i dop. Kiev, Budivelnik, 1965. 169 p.

- Lifting crane for electric locomotives in mines. **D. G. Pushkar, V. G. Iakushev**. *Ugol' Ukr.* 9 no. 4:38-39 Ap '65.

- Means for prolonging the life of joints and parts of crane mechanisms. **I. O. Spitsina**. *Stroi. i dor. mash.* 8 no. 3:17-20 Mr '63.

- The new MKG-25 erection crawler crane. **A. I. Al'perovich**. *Stroi. i dor. mash.* 10 no. 4:1-6 Ap '65.

- Pneumatic-wheeled tower crane. **Ch. P. Meshik**. *Stroi. i dor. mash.* 8 no. 1:7-8 Ja '63.

- Rais, E. G., and others.** [12 m reinforced concrete crane beams with rod reinforcement stressed by the electrothermal method, practices of the All-Union Research Institute for Reinforced Concrete and Plant No. 18 for Reinforced Concrete Products of the Main Administration for Building Materials of the city of Moscow] *Zhelezobetonnye podkranovye balki dlinoi 12 m so sterzhnevimi armaturoi, napriagaemoli elektrottermicheskim metodom; opyt raboty VNI zhelezobetona i zavoda zhelezobetonnykh izdelii no. 18 Glavmospromstroimaterialov*. Moskva, Stroizdat, 1964. 31 p. [MICROFILM]

- Selecting cranes, determining, and analyzing their engineering and economic indices during the erection of buildings composed of prefabricated room-units. **M. V. Kozin**. *Trudy MIIT* no. 192:78-87 '65.

- Selecting cranes, determining, and analyzing their engineering and economic indices during the erection of large-block buildings. **L. M. Cherniakov**. *Trudy MIIT* no. 192:58-77 '65.

- Selecting cranes, determining, and analyzing their engineering and economic indices of erecting two-story large-panel buildings. **G. N. Shadrina**. *Trudy MIIT* no. 192:48-57 '65.

- Skilled crane. **G. Lipman**. *Izobr. i rats.* no. 4:29 '65

- Some problems in automating the calculation of crane-loaders. **I. L. Sharinov**. *Mat. po met. konstr.* no. 8:172-179 '64.

- State of the problem and the method of studying the engineering and economic indices of construction cranes during the erection of apartment houses. **M. A. Fishchukov**. *Trudy MIIT* no. 192:4-23 '65.

- Study of the engineering and economic indices of erecting cranes during the construction of five-story large-panel apartment houses. **I. G. Monakhov**. *Trudy MIIT* no. 192:24-31 '65.

## CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION

- New soviet and foreign cranes for the construction industry. **E. V. Karashev**. *Bezop. truda v prom.* 9 no. 4:41-45 Ap '65.

- Safe and reliable operation of trestle cranes. **M. I. Lukhanov**. *Bezop. truda v prom.* 9 no. 4:24-26 Ap '65.

## CRANES, DERRICKS, ETC.—RELIABILITY

- Means for increasing the reliability of gantry cranes. **V. I. Baudé**. *Stroi. i dor. mash.* 8 no. 3:21-23 Mr '63.

## CRANES, DERRICKS, ETC.—SAFETY APPLIANCES

- Safety devices on new Soviet and foreign cranes. **G. I. Kostenko**. *Bezop. truda v prom.* 9 no. 5:43-46 My '65.

## CRANES, DERRICKS, ETC.—SAFETY MEASURES

- Blocking system of bridge cranes. **B. V. Rudenko**. *Bezop. truda v prom.* 9 no. 4:50-51 Ap '65.

- Prevent breakdowns and accidents caused by the driving away by wind of hoisting cranes. **I. A. Molchanov**. *Bezop. truda v prom.* 9 no. 5:26-27 My '65.

## CRANES, DERRICKS, ETC.—TESTING

- Eliminating unnecessary load testing of bridge cranes. **S. M. Ryzhov**. *Metallurg* 10 no. 3:36 Mr '65.

## CRANIAL NERVES see Nerves, Cranial

## CRANIAL SUTURES

- Characteristics of the obliteration of cranial sutures in mammals. **Report No. 1 Carnivora**. **B. A. Nikitluk, A. A. Chernomordik**. *Zool. zhur.* 44 no. 2:241-252 '65.

## CRANKS AND CRANKSHAFTS

- Nekhludov, I. A., P. I. Kozhurev, and B. A. Rits.** [Casting high-strength cast iron crankshafts in permanent molds] *Otlivka kolenchalkykh valov iz vysokopropichnogo chuguna v kokil'. [Cheliabinsk] Iuzhno-Ural'skoe knizhnoe izd-vo*, 1964. 47 p.
- Trajectory of the center of the main crankshaft journal of the D-54 engine during its work cycle. **K. G. Dudchenko**. *Trudy Oren. sel'khoz. inst.* 14:34-44 '63.

## CRAWLER TRACTORS—COLD WEATHER OPERATION see subdivision under Virgin Territory

## CRAWLER TRACTORS—DYNAMICS

- Studying the interaction between a crawler tractor and the ground in turns. **P. A. Lebedev, N. G. Sidorov**. *Trakt. i sel'khoz. mash.* no. 3:7-10 Mr '65.

## CRAWLER TRACTORS—TESTING

- Methods and apparatus for experimental determination of the rolling resistance of the C-100 tractor. **A. B. Kliachko**. *Sbor. rab. po les. khoz.* no. 46:8-24 '63.

## CRAYFISH see subdivision under Volgograd Province

## CREAM SEPARATORS

- Determining the critical speed for the movement of the shaft of a liquid separator. **I. U. M. Follachuk**. *Trudy Oren. sel'khoz. inst.* 14:88-93 '63.

## CREASE-RESISTANT FABRICS

- Reducing formaldehyde and simple amines odor of fabrics with crease-resistant finish. **L. I. Lobanova, N. P. Solov'ev**. *Tekst. prom.* 25 no. 3:54-57 Mr '65.

## CREASE-RESISTANT FABRICS—TESTING

- Studying some physicochemical properties of linen and half-linen fabrics treated with dimethylcarbamide. **I. I. Miksa, V. V. Garkauskas**. *Tekst. prom.* 25 no. 5:56-61 My '65.

## CREATINE KINASE

- Adenosine triphosphate/creatine-phosphotransferase activity in the muscles and blood during muscular activity. **L. V. Maksimova**. *Ukr. biokhim. zhur.* 37 no. 1:131-135 '65.

## CREATION (LITERARY, ARTISTS, ETC.)

- Apresian, Z. G.** [Freedom of artistic creation] *Svoboda khudozhestvennogo tvorchestva*. Moskva, Sovetskii khudozhnik, 1965. 162 p.

## CREDIT

- Technical progress and bank credit for the industry. **A. N. Danilov**. *Kons. i ov. prom.* 20 no. 5:24 My '65.

## CREEP OF CONCRETE

- Ullskil, I. L., and S. V. Kireeva.** [Contraction and creep of concrete prepared by plants] *Usadka i potrubeniye betonov zavodskogo izgotovleniya*. Kiev, Budivelnik, 1965. 106 p.

## CREEP OF MATERIALS

- Creep due to fluctuations of temperature and load. **I. M. Kachanov**. *Izv. AN SSSR, Mekh.* no. 1:50-55 Ja-E '65.
- Statistical model of a microheterogeneous medium. **A. G. Kostuk**. *Izv. AN SSSR, Mekh.* no. 1:64-67 Ja-F '65.

## CREEP OF NICKEL

- Characteristics of the structure of nickel with a high resistance to creep. **G. I. A. Kozyskii, P. N. Okainets, G. A. Petunin**. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20:42-51 '64.

## CREOLIN

- Application of activated creolin with the admixture of fungicides for apple scab control: preliminary report. **N. N. Selezhenik**. *Biul. Glav. bot. sadu* no. 50:73 '65.

## CRIME AND CRIMINALS see subdivision under Tatar A. S. S. R.

## CRIME PREVENTION

- (see also subdivision under Kromenski District)
- The court has issued a specific finding. **V. Bankov**. *Sov. iust.* 20 no. 7:8-10 Ap '65.
- For the effectiveness of the specific court findings in criminal cases. *Sov. iust.* 28 no. 12:1-3 Ju '64.
- Improve the cooperation between the organs of the Procuracy and courts. **M. I. A. Korylov**. *Sov. iust.* 20 no. 12:4-6 Ju '64.
- Obshchestvo "Znanie" RSFSR.** [Overcoming of the vestiges of the past and crime prevention] *Predostozhenie porozhitkov proshlogo i bor'ba s prestupnost'yu; sbornik statei*. Moskva, 1964. 61 p. (v pomoshch' lektoru) [MICROFILM]

## CRIMEA—ANTIQUITIES

- Explorations in the northwestern part of the Crimea in 1961-1963. **O. D. Dashevskaya**. *Krat. soob. Inst. arkheol.* no. 103:148-152 '65.

## CRIMEA—ATTAR OF ROSES

- Extraction of whole flowers, petals and calyxes of the red Crimea rose. **A. F. Follachuk, N. A. Turyshova**. *Izv. vya. ucheb. zav., plash. tekhn.* no. 1:34-38 '65.

## CRIMEA—BIOLOGICAL RESEARCH

- Fiftieth anniversary of the Kara-Dag Biological Station. **I. I. Puzanov**. *Gidrobiol. zhur.* 1 no. 1:75-78 '65.

## CRIMEA—BOTANY

- Herbarium of Marshall von Bieberstein. **L. A. Smol'yanina**. *Bot. zhur.* 50 no. 4:504-505 Ap '65.

## CRIMEA—CANNING INDUSTRY

- Organization of the raw material bases for Crimean canneries. **S. A. Mezrlin**. *Kons. i ov. prom.* 20 no. 5:10-20 My '65.

## CRIMEA—CLASSICAL ANTIQUITIES

- The Tarkhankut Expedition in 1962-1963. **A. N. Shcheglov**. *Krat. soob. Inst. arkheol.* no. 103:140-147 '65.

## CRIMEA—COMPOSITES

- Seed viability of Crimean Compositae depending on the length of storage. **V. V. Utkin**. *Biul. Glav. bot. sadu* no. 56:44-49 '64.

## CRIMEA—FAULTS (GEOLOGY)

- Median deep fault in the Crimean Peninsula. **S. A. Kovalevskii**. *Dokl. AN SSSR* 162 no. 4:887-890 Ju '65.

## CRIMEA—FOLDS (GEOLOGY)

- Hypsometry of the surface of the folded basement in the Crimean plain, Sivash region, and the Sea of Azov. **V. I. Burakovskii, B. L. Gurevich**. *Geotektonika* no. 1:120-128 Ja-F '65.

## CRIMEA—GEOLOGY, STRUCTURAL

- Most recent tectonics of the Crimean plain. **M. S. Burshart, S. I. Varushchenko, L. P. Polkanova**. *Sov. geol.* 8 no. 3:138-131 '65.

## CRIMEA—LEGUMINOSAE

- Some rare and new leguminous plants in the Crimea. **I. V. Kriukova**. *Bot. zhur.* 50 no. 4:538-540 Ap '65.

## CRIMEA—MALARIA

- Abundance of mosquitoes in some regions of the Crimean peninsula. **D. T. Zhogolev**. *Voen.-med. zhur.* no. 9:47-49 '64.

## CRIMEA—MOSQUITOES

- Abundance of mosquitoes in some regions of the Crimean peninsula. **D. T. Zhogolev**. *Voen.-med. zhur.* no. 9:47-49 '64.

## CRIMEA—NOTARY AND CLIENT

- For a high standard in serving the workers. **V. Kuznetsova**. *Rad. pravo* 28 no. 3:105-106 My-Ju '65.

## CRIMEA—ONIONS

Growing high onion crops in the Crimea. A.I. Kozel, *Kons. lov prom.* 20 no. 4 36-37 Ap '65

## CRIMEA—PETROLEUM GEOLOGY

Diffusion-adsorption activity of the carbonate rocks of the Upper Cretaceous (Crimea). V.S. Kudravin, *Izv. vys. ucheb. zav., nef't i gaz* 8 no. 3 3-7 '65

## CRIMEA—REVOLUTION OF 1905—PERSONAL NARRATIVES

Unforgettable. I.T. Iakhnovskii, *Vop. ist. KPSS* 9 no. 6:101-107 Je '65.

## CRIMEA—ROCKS, CARBONATE

Diffusion-adsorption activity of the carbonate rocks of the Upper Cretaceous (Crimea). V.S. Kudravin, *Izv. vys. ucheb. zav., nef't i gaz* 8 no. 3 3-7 '65

## CRIMEA—ROCKS, CARBONATE—ANALYSIS

Concerning the composition of the carbonate rocks of the Upper Cretaceous of the Crimean research region. V.B. Nikolaev, *Izv. vys. ucheb. zav., geol. i razv.* 7 no. 11 50-53 N '64

## CRIMEA—SALMONELLA—CULTURES AND CULTURE MEDIA

Phagotypic picture of typhoid fever cultures in the Crimea Province from 1960 to 1962. A.F. Privalov, M.A. Bessonova, N.N. Zolotarevskaya, *Zhur. mikrobiol., epid. i immun.* 41 no. 11 125-128 N '61

## CRIMEA—VEGETABLE GARDENING

Organization of the raw material bases for Crimea canneries. S.A. Merzlikin, *Kons. lov prom.* 20 no. 8:19-20 My '65.

## CRIMEA—VETCH

Seeds of wild vetches of the Crimea. V.V. Utkin, *Nauch. dokl. vys. shkoly, biol. nauk* no. 2:101-110 '65.

## CRIMEA—VIRUS DISEASES OF PLANTS

Some characteristics of the Crimean yellows virus. V. Valenta, S. Misiga, *Biul. VIM* no. 10:12-17 '62

## CRIMEAN MOUNTAINS—ANTIQUITIES

Leskov, A.M. [Crimean Mountains in the first millennium B.C.]. *Gornyi Krym v I tysyacheletii do nashoi ery.* Kiev, Naukova dumka, 1965. 196 p.

## CRIMEAN MOUNTAINS—GASTROPODA, FOSSIL

Pchelintsev, V.F. [Mesozoic Murchisoniata of the Crimean Mountains]. *Murchisoniata mezozola gornogo Kryma.* Moskva, Nauka, 1965. 214 p.

## CRIMEAN MOUNTAINS—LANDFORMS

Some characteristics of natural territorial complexes in the Crimean Mountains. V.G. Ena, *Geog. sbor.* L'vov, otz. Geog. ob-vn SSSR no. 8:49-53 '64.

## CRIMEAN MOUNTAINS—TAURI

Leskov, A.M. [Crimean Mountains in the first millennium B.C.]. *Gornyi Krym v I tysyacheletii do nashoi ery.* Kiev, Naukova dumka, 1965. 196 p.

## CRIMES AGAINST THE PERSON see Offenses against the person

## CRIMINAL EVIDENCE see Evidence, Criminal

## CRIMINAL INVESTIGATION

(see also subdivision under Kiev; Tatar A.B.S.R.; Ukraine; Vasil'kov District)

Relationships between the auditor and the investigator. B. Rozovskii, *Bukh. uch. 21* no. 10:26-28 O '64.

## CRIMINAL INVESTIGATION—FORMS

Davydov, P.M., and I.I. Semerikov. [Forms for criminal procedure documents; aid for organs of investigation]. *Obratnye ugovolno-protsessual'nykh dokumentov; posobie dlia organov doznanii.* Pod red. E.A. Emel'ianova. Sverdlovsk, Sverdlovskii iuridicheskii in-t, 1961. 121 p.

[MICROFILM]

## CRIMINAL JUSTICE, ADMINISTRATION OF see subdivision under Belaya Tsarkov' District; Germany; Novosibirsk

## CRIMINAL LAW

(see also subdivision under Kirghizistan; Uzbekistan) Decrees of the Presidium of the Supreme Soviet of the R.S.F.S.R. *Sov. iust.* 28 no. 12:13 Je '64.

## CRIMINAL LAW—CASES

(see also subdivision under Ukraine)

Decisions of the Plenum of the Supreme Court of the U.S.S.R. in specific cases. *Biul. Verkh. Suda* no. 2: 15-33 '65.

Rulings of the Court Collegium on Criminal Matters of the Supreme Court of the U.S.S.R. *Biul. Verkh. Suda* no. 2:34-44 '65.

Rulings of the Court Collegium on Military Matters of the Supreme Court of the U.S.S.R. *Biul. Verkh. Suda* no. 2:45-47 '65.

## CRIMINAL LIABILITY

Legal responsibility in Soviet society. I.S. Samoshchenko, *Uch. zap. VNIISZ* no. 2:16-56 '61.

## CRIMINAL OMISSION see Omission, Criminal

## CRIMINAL PROCEDURE

(see also subdivision under Kirghizistan; Ukraine)

Acquittal from criminal responsibility with simultaneous transmittal of the case to a comrades court. M. Gel'fer, N.F. Kuznetsova, *Sov. iust.* 29 no. 6 29-30 M '65. Presenting evidence in the course of the investigation of a criminal act. A. Zhulina, *Iz' Rad. prosv.* 28 no. 3: 93-96 My-Je '65.

Replies to questions. *Sov. iust.* 29 no. 10:31 My '65.

Transmittal of cases on offenses of minor importance to comrades courts. M. Orlov, *Sov. iust.* 28 no. 12: 11-13 Je '64.

## CRIMINAL PROCEDURE—CASES

Rulings of the Court Collegium on Criminal Matters of the Supreme Court of the U.S.S.R. *Biul. Verkh. Suda* no. 2:34-44 '65.

## CRIMINAL PSYCHOLOGY

Personally study of individuals condemned to prison. V.T. Lashko, *Sov. gos. i pravo* 35 no. 5:98-101 My '65. Personally study of recidivist criminals. V.I. Planchuk, T.A. Kleimenov, *Sov. gos. i pravo* 35 no. 5:102-103 My '65.

## CRITICAL PATH ANALYSIS

Network planning and prospects for its use in the coal industry. A.P. Sudoplatov, R.V. Orlov, A.M. Piatkin, *Ugol'* 40 no. 4 26-30 Ap '65.

Using the PERT system for planning the expansion of mining operations in a mine. A.S. Burchakov and others, *Ugol'* 40 no. 4 30-34 Ap '65.

## CROCUS (BOTANY)

Cytomorphological analysis of the sterility in *Crocus sativus* L. G.F. Kapinos, *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 1:15-21 '65

## CROCS, COMPANION see Companion crops

## CROPS AND CLIMATE see subdivision under Armenia; Georgia

## CROSSBILLS see subdivision under Armenia

## CROWFOOT

Chemical studies on some representatives of the family Ranunculaceae. U.H. Pyl', *Farmatsev. zhur.* 19 no. 1 59-61 '64

## CRUSH SYNDROME

Pathomorphological changes in the central nervous system in prolonged compression of the extremities; experimental study. V.P. Ginzanova, *Arkh. pat.* 27 no. 4 66-73 '65.

## CRUSHING AND GRINDING

Crushing rocks with high-frequency currents. V.M. Semenov, *Avi. dor.* 28 no. 3 6-7 Mr '65

## CRUSHING MACHINERY

Advantage of using underground crushers and selecting their standard dimensions. I.G. Alekseevskii, *Gor. zhur.* no. 4:10-12 Ap '65.

Automation of crushing and grinding processes at the No. 1 Apatite-Nephelite Ore Dressing Plant. T.P. Afanas'ev and others, *Obog. rud.* 9 no. 4 35-41 '64

Crusher with two movable jaws. L.I. Logak, *Stroitel. dor. mash.* 8 no. 1:25-27 Ja '63.

Crushing during cascade operating conditions of a ball mill. E.K. Zhude, V.A. Perov, *Gor. zhur.* no. 4:50-61 Ap '65.

Feeders for ore crushing mills. V.D. Svecikov, *Gor. zhur.* no. 3:55-56 Mr '65

Investigating the electroacoustic method of controlling the loading of ball mills. A.S. Davidovich and others, *Gor. zhur.* no. 5:50-51 My '65

OORES, trust, Moscow. [Automation of pulverized coal systems with ball mills]. *Avtomatizatsia pylesistem s sharovymi barabannymi mel'nitsami.* Moskva, Energiya, 1965. 103 p.

Studying the performance of the VS-5 five-roller mills. A.V. Nechaeva, G.D. Malyl, *Mashzhepr. prom.* 31 no. 4 38-40 Ap '65.

## CRUSHING MACHINERY—DESIGN AND CONSTRUCTION

Converting pug mill rollers to rolling contact bearings. G.M. Khazanov, S.P. Danilenko, *Ogneupory* 30 no. 3: 44-45 '65.

Raise the quality of steel balls for mills. I.A. D. Khorin, *Gor. zhur.* no. 5 44-45 My '65.

## CRUSHING MACHINERY—MAINTENANCE AND REPAIR

Operation and repair of the Sh-50 mill. V.V. Gorbachevskii, *Energ. i elektrotekh. prom.* no. 1:53-53 Ja-Mr '65

## CRUSHING MACHINERY—TESTING see subdivision under Nizhny Tagil

## CRYOLITE

Physicochemical studies of the systems containing  $\text{Na}_3\text{AlF}_6$ ,  $\text{K}_3\text{AlF}_6$ , and  $\text{Li}_3\text{AlF}_6$ . Part 1. Fusibility diagram of the system  $\text{Na}_3\text{AlF}_6$ — $\text{K}_3\text{AlF}_6$ . R.S. Edolan, M.G. Manvelian, G.G. Babinian, *Izv. AN Arm. SSR, Khim. nauk* 18 no. 1:10-14 '65

## CRYOSCOPY

Cryoscopic method for determining the lacquer content in xylene. Sh. T. Akhmedov and others, *Neftepor. i neftekhim.* no. 4:42-44 '65.

## CRYSTAL DIODES see Tunnel diodes

## CRYSTAL LATTICES

Compounds with the  $\text{AlB}_2$ -type structures in the system Ce—Ni—Si and related systems. IE. I. Gladysheva, *Ukr. O. I. Dokl. Dop. AN URSR* no. 5:601-604 '65.

Crystal structure of binary  $\text{SeCoAl}$  and  $\text{SeNiAl}$  compounds. M.I. Tostuk, V.S. Protasov, *Dop. AN URSR* no. 5:599-601 '65.

Determining the concentration of nonequilibrium vacancies in metals by the dilatometric method. V.S. Koptan, *Fiz. met. i metalloved.* 19 no. 4:569-576 Ap '65

Effect of interstitial atoms on the coercive strength of ferromagnetic materials. V.V. Polotnik, *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20:80-84 '64

Grüneisen's constant in the Thomas-Fermi approximation. V.P. Kopyshov, *Dokl. AN SSSR* 161 no. 5: 1067-1068 Ap '65.

Incoherent spin in films with a poorly expressed anisotropy. A.G. Lesnik, V.N. Peshkar, *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20:85-87 '64.

Kudravin, I.P. [Textures in metals and alloys]. *Tekstury v metallakh i spлавakh.* Moskva, Metallurgiya, 1965. 292 p.

Ordering of ferromagnetic alloys with an  $\text{FeAl}$ -type lattice. D.R. Rizdivanetski, *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 19:102-115 '64.

Theory of the ordering of alloys with a lattice parameter depending on the composition and degree of order. Z.A. Matysina, A.A. Smirnov, *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 19:136-137 '64.

Theory of the ordering of binary alloys with a body-centered cubic lattice having interstitial atoms of a third element. V.I. Ryzhkov, *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20:133-147 '64.

Thermodynamics of interstitial solid solutions. Report No. 1. Energy of formation. S.S. Nikol'skii, *Porosh. met.* 5 no. 1:22-34 Mr '65

## CRYSTAL LATTICES—DEFECTS

Conditions for the transition from slip to twinning. A.S. Drachinskii, V.F. Molisev, V.I. Trufilov, *Fiz. met. i metalloved.* 19 no. 4:602-611 Ap '65

## CRYSTAL OPTICS

Agranovich, V.M., and V.I. Ginzburg. [Crystal optics with allowance for spatial dispersion and exciton theory]. *Kristallografika s uchetoм prostranstvennoi dispersii i teorii eksitonov.* Moskva, Nauka, 1965. 374 p.

Nonlinear optical effects in crystals. L.N. Ovander, *Usp. fiz. nauk* 86 no. 1:3-39 My '65.

## CRYSTALLINE LENS—ABNORMALITIES AND DEFORMITIES

Coloboma of the crystalline lens. E.N. Vli'shanskii, *Trudy I-go MMI* 32:258-261 '64.

## CRYSTALLINE LENS—DISPLACEMENT

Bilateral primary atrophy of the iris accompanied by a displacement of the crystalline lens and an increase in intraocular pressure. G.S. Kunicheva, *Trudy I-go MMI* 32:223-228 '64.

## CRYSTALLIZATION

Balandin, G.F. [Crystal structure formation in castings; pure metals and single-phase alloys]. *Formirovaniye kristallicheskogo stroeniya splavov; chistyie metalli i odnofaznye splavy.* Moskva, Mashinostroenie, 1965. 254 p.

Dugaenko, I.F. [Crystallization of the mass of the last product]. *Kristallizatsiya utefla poslednego produkta.* Moskva, Tsentr. in-t nauchno-tekhn. informatsii plishchevoi promyshl., 1964. 25 p.

[MICROFILM]

Casting ingots of light alloys with electromagnetic stirring of the melt in a crystallizer. B.I. Bondarev, *Mag. gidr.* no. 1:123-128 '65.

Certain characteristics of the crystallization of supercooled binary alloys. D.S. Kamenetskii, E.P. Rakhmanova, E.Z. Spektor, *Fiz. met. i metalloved.* 19 no. 4:583-601 Ap '65.

Crystallization of  $\alpha$ -amylase of *Aspergillus oryzae* from Soviet enzyme preparations. O.S. Tsyperovych, I.P. Halych, *Ukr. biokhim. zhur.* 37 no. 1:14-23 '65.

Crystallization of basaltic melt in a dry system and under the pressure of water vapor. N.F. Chelishchev, *Dokl. AN SSSR* 161 no. 8:1410-1421 Ap '65.

## CRYSTALLIZATION (Continued)

Crystallization of calcium nitrate obtained from a solution of nitrate salts G D Chachanidze Soob AN Gruz SSR 29 no 145-52 Ji '62

Investigating the crystallization of the liquid phase of aluminum cast iron IU G Bohro, I A Tananuk Lit protzv no 624-26 Je '64

Process of crystallization of ammonium bicarbonate B M Beglov, I M Shokin, S A Krasheninnikov Uzb khim zhur 8 no 510-17 '63

Rate of crystallization of calcium sulfate from its supersaturated sulfuric acid solutions M D Pozin, B A Kopylov IA K Ladatskaya Izv vys ucheb zav, khim i zhur tchn 7 no 6281-885 '61

Some characteristics of the crystallization of haplo-basaltic melts S D Chetvernikov, Sun Da-khe (Hsiung Ta-ho), A M Batanova Vest Mosk un Ser 4, Geol 20 no 221-29 Mr-Apr '65

Studying the linear rate of crystallization of talc from melts D L Ovslenko, G A Alifanov, Sbor nauch trud Inst metallofiz AN URSS no 19 170-182 '64

## CRYSTALLIZATION—EXPERIMENTS

Experimental methods of studying the kinetics of recrystallization in metals L N Larikov, E L Zaslachuk Sbor nauch trud Inst metallofiz AN URSS no 19 219-231 '64

## CRYSTALLOGRAPHY

Crystalline structure of the minerals of the murmanite-lomonosovite group. A D Khalilov and others Dokl AN SSSR 162 no 1179-182 My '65

Determination of distribution coefficients from data of oriented crystallization A N Kirgintsev E G Avvakumov Fiz tver tela 7 no 51583-1584 My '65

Effect of the crystalline structure of the target on the energy spectra of scattered ions. E S Mashkova, V A Molchanov, V Soshka, Dokl AN SSSR 161 no 4813-815 Ap '65

A method for studying phase transitions in solid bodies G L Krasko Fiz tver tela 7 no 51324-1330 My '65

Polymorphism in organic molecular crystals IU V Mnikukh, M V Tseneva, Dokl AN SSSR 162 no 2326-329 My '65

Principles of the structural and geometric analysis of crystal faces N Z Evzikova, Zap Vses min ob-va 94 no 2129-142 '65

## CRYSTALS

Mechanism of a polymeric phase formation in monomer crystals. I M Fapstov, V A Kabanov, V A Kargin, Dokl AN SSSR 162 no 1135-139 My '65

## CRYSTALS—DEFECTS

Effect of vacancies on the free path of fission. S A Kurkin, D D Odintsov Fiz tver tela 7 no 51873-1574 My '65

## CRYSTALS—GROWTH

Physicomathematical analysis of the rate of growth of minerals in small intrusions. E V Shevchenko, Dokl AN SSSR 162 no 2432-435 My '65

Sheftal', N N, ed. (Crystallization from the gaseous phase) Kristallizatsiya iz gazovoi fazy, Moskva, Izd-vo "Mir," 1965, 344 p.

## CRYSTALS—OSCILLATIONS

Use of the kinetic equation method in determining collective oscillations in a crystal. I P Bazarov, Vest Mosk un Ser 3: Fiz, astron, 20 no 27-12 Mr-Apr '65

## CRYSTALS—SPECTRA

Photoluminescence excitation spectra of NaCl and KCl single crystals activated with oxygen-containing impurities. V N Vyshnevs'kiy, M S Pidzrailo Ukr fiz zhur 10 no 5538-542 My '65

## CRYSTALS—THERMAL PROPERTIES

Heat capacity and heat conductivity anomalies in complex crystals. B G Vekhter, I B Bersuker Fiz tver tela 7 no 51569-1570 My '65

## CUBA—CHEMICAL INDUSTRIES

Workers of the chemical and petroleum industries of Cuba in the struggle for national independence and the construction of socialism. Jose A Dominguez, Neftianik 8 no 514-15 My '63

## CUBA—COMMUNISM

V I Lenin's works in Cuba. Part zhizn' no 1072 My '65

## CUBA—EMBARGO

The "ORIT" (Organization of Regional Inter-American Labor) Congress Vsem prof dvizh, no 338-40 My '65

## CUBA—INVASION, 1961

Progressive American historiography on the Cuban revolution. B A Shiriaev, Vest LGU 20 no 846-53 '65

## CUBA—JOURNALISM—POLITICAL ASPECTS

Gladkii, V B. (The press of the Cuban Revolution, 1959-1961, author's abstract of a dissertation for the degree of Candidate of Historical Sciences) Pechat' Kubinskoi revoliutsii (1959-1961 gg.), avtoreferat disertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk Moskva, Mosk gos univ, 1964, 19 p. [MICROFILM]

## CUBA—PETROLEUM INDUSTRY

Workers of the chemical and petroleum industries of Cuba in the struggle for national independence and the construction of socialism. Jose A Dominguez, Neftianik 8 no 514-15 My '63

## CUBA—POLITICS AND GOVERNMENT

Borovik, G A. [Blazing island] Pylatushchii ostrov. [Moskva] Molodava gvaridiya, 1962, 141 p. (Chest', otvaga, muzhestvo) (NNC)

The Congress of Solidarity with Cuba. A Mikheev.

Nov vrem 22 no 2218-20 My '65

Cuba strides toward the future. V Platonovskii, S Morkovnikov Kommunist 42 no 80-100 My '65

CUCUMBERS see subdivision under Azerbaijan

CUCURBITACEAE see Vine crops

CULTIVATED PLANTS see Plants, Cultivated

## CULTIVATORS

Improved cutter for row crop cultivators. N Bondarenko, G Skochko Tekh v sel'khoz 25 no 486 Ap '65

The KPG-1 cultivator with a hydraulic drive A M Bychkov, Biol tekhn, ekon inform Gos nauch issl, Inst nauch i tekhn inform 18 no 252-53 F '65

## CUMENE

Fire hazards in the production of isopropylbenzene. N D Rusinov, M V Alekseev, Fozh bezop, no 318-20 '64

## CUPOLA FURNACES—DESIGN AND CONSTRUCTION

Operation of a basic gas cupola with refractory bed charge V A Fudkov and others, Lit protzv, no 635-36 Je '61

## CUPOLA FURNACES—EQUIPMENT AND SUPPLIES

Economical charge for high-strength cast iron. A G Miroshnichenko, Lit protzv, no 636 Je '64

## CURBSTONES

Self-propelled curbstone layer. I A Sulkovskii, Stroi i arkhit. Uzb 6 no 28-9 F '65

## CURIE POINT

Shifting of the Curie point of gadolinium under hydrostatic pressure of up to 35 Kbars L D Livshits, IU S Genshaft Zhur. eksp i teor fiz 18 no 41050-1053 Ap '65

CURRENTS see subdivision under Russia, Northwestern

## CUSHING SYNDROME

Itsenko-Cushing disease in conjunction with cancer of the pancreas. N V Shumilova, M I Balaboiuk, V B Zaitseva, Probl endok i gorm, 11 no 100-02 Ja-F '65

## CUTTING MACHINES

Machine for cutting fiber plant ropes. I N Vazumov, Ryb khaz 41 no 447-49 '65

CUTTING OF METALS see Metal cutting

## CUTWORMS

(see also subdivision under Kazakhstan; Siberia) Chemical control of the cutworm Hadena sordida Bkh as one of the measures in general control system. K V Novozhilov Trudy Vses ent ob-va 50:218-227 '65

CUTWORMS—PARASITES see Parasites—Cutworms

## CYANIDES—TOXICOLOGY

Development of antidote therapy in cyanide poisoning: a review of literature. S IA Arbutov, S F Frolov, Voenn-med zhur, no 8:28-33 '64

## CYANINE DYES

Azo group in conjugate chains of cyanine dyes. A I Kiprianov, T M Verbovskaya, Zhur org khim, 1 no 113-20 Ja '65

Norcyanines in the series of dihydrobenzo-1, 4-thiazine. L K Mushkalo, N K Mikhailuchenko, Ukr khim zhur, 30 no 6:608-613 '64

Study in the series of merocyanines, derivatives of azolones. Part 10 Color of the quaternary salts of dimethymerocyanines. Z F Sytnik and others, Zhur ob khim, 35 no 4:841 Ap '65

## CYANOCOBALAMINE

Biochemical and microbiological laws of the vitamin B<sub>12</sub> synthesis in thermophilic methano fermentation. E S Pankshava, V IA Bykhovskii, Prikl biokhim, i mikrobiol, 1 no 1:37-44 Ja-F '65

Determination of cobalt in aqueous solutions of vitamin B<sub>12</sub>. V N Danilova, Ukr khim zhur 30 no 6:651 '64

Experiment in industrial production of the fodder concentrate of vitamin B<sub>12</sub>. A I Skitskiy and others, Fez i spirit prom 31 no 1:20-31 '65

## CYANOETHYLATION

Use of anion exchange resins in catalytic synthesis Report no 2 Cyanosilylation of nitroanilins Z Poida, V I Tsagallants Trudy MINKHGP no 41:161-166 '63

## CYANOGEN COMPOUNDS

Synthesis and study of polymeric complexes formed in the reaction of tetracyanoethylene with metal powders. A A Berlin and others Vysokom soed, 7 no 1:88-93 Ja '65

## CYBERNETICS

Cybernetic methods in the prognosis of burn sickness. A A Vishnevskii, M I Shraiber, S N Braines, Voenn-med zhur, no 8:9-11 '64

Cybernetics and physical education. V M Zaitseva, Teori i prakt fiz kult 27[i e 28] no 1:12-20 Ap '65

New weapon of the atheist. A Kondratov Nov ml 41 no 5:271-273 My '65

Scientific information. L S Kozachkov, V S Starinets, Kibernetika 2, 102 Mr-Apr '65

## CYBERNETICS—ABSTRACTS

[Journal of abstracts: Cybernetics] Ref zhur.: kib, no 5 My '65

## CYBERNETICS—STUDY AND TEACHING

Cybernetics school club. I P Podlasyi, Rad shk 43 no 411-47 Ap '65

## CYCLOALKANES

Synthesis of cycloalkano-2, 3-pyrolidines and steric course of 1 alkyl reaction. M A Volodina, G V Kiliukhina, A I Tsirentev, Dokl AN SSSR 162 no 1:90-93 My '65

## CYCLOBUTANE

Isotope exchange of cyclobutane with deuterium on vaporized-metal coatings. B S Gudkov, A A Bantandin, I P Savin, Dokl AN SSSR 162 no 4:813-816 Je '65

Synthesis of 1,1,3,3-tetrafluorobutylidene 1,3-difluorocyclobutanes. N S Nametkin and others, Izv AN SSSR, Ser khim, no 5:920-930 '66

## CYCLOHEXADIENE

Condensation of 1,3-cyclohexadiene with some ethylene dienophiles. M M Azarovskaya and others Dokl AN SSSR 9 no 2:97-100 F '65

## CYCLOHEXADIENEDICARBOXYLIC ACID

3,6-endoxycyclohexanones and cyclohexanones. Part 20: Acetoxyimination of dimethyl ester of 3,6-endoxodihydrophthalic acid. N S Zaitsev, L P Mikaychikova, IU K Iur'ev, Zhur ob khim, 35 no 4:639-641 Ap '65

## CYCLOHEXANE

Isomerization of cyclohexane in methyl cyclopentanone. IA M Paushtin and others, Trudy MINKHGP no 44:16-63 '63

Role of hydrogen in the dehydrogenation of cyclohexane on platinum. V A Druz', N I Utugulov, D V Sokol'skii, Dokl AN SSSR 162 no 2:373-375 My '65

Synthesis and properties of some derivatives of cis and trans-2-methylcyclohexen-3-ol. D Mochalov, P Kulikars, Trudy AN Latv SSR, Ser B no 3:95-100 '64

Use of thionea adducts to separate certain dialkylcyclohexanes into geometric isomers. A L Liberman, B M Lerman, A V Preobrazhenskii, Neftekhimia 5 no 1:1-0 Ja-F '65

## CYCLOHEXANE—SPECTRA

Infrared absorption spectra of monochlorosubstituted alkylcyclohexanes. L G Zelenakina, F A Mamadov, G N Somina, Azerb khim zhur, no 3:103-110 '64

## CYCLOHEXANECARBOXYLIC ACID

Synthesis and properties of γ-hydroxymethylcyclohexanecarboxylic acid esters. B F Plishnamazade and others, Dokl AN Azerb SSR 21 no 2:18-22 '65

## CYCLOHEXANONE

Condensation of anisole with acetone and cyclohexanone in the presence of BF<sub>3</sub> · H<sub>2</sub>O complex. S V Zagorodnii, A V Strashenko, Zhur org khim, 1 no 1:106-111 Ja '65

Solubility of hydroxylamine sulfate in cyclohexanone and the separation of the cyclohexanone oxime complex system. V P Gogunze and others, Soob AN Gruz SSR 37 no 3:567-572 Mr '65

## CYCLOHEXENE

Hydroxylation reaction of aldehydic acid and cyclohexene by Caro's acid in H<sub>2</sub>O<sub>2</sub> solution. L V Sultina, Zhur org khim, 1 no 1:71-75 Ja '65

## CYCLOHEXENONE

Condensation of aldehydes and ketones. Part 13: Transformation from tricyclohexenones to tricyclohexenylamines (new type of bridge amines). M. N. Tiliichenko, N. S. Bernhutskiy, V. I. Vysotskiy. Zhur. org. khim. 1 no. 1:93-97. Ja '65.  
Oximes of 2-cyclohexen-1-one. O. D. Strizhakov, E. N. Zil'berman, S. V. Svetozarskiy. Zhur. ob. khim. 35 no. 4:628-632. Ap '65.

## CYCLOIDS, MIXED (CHEMISTRY) see Heterocyclic compounds

## CYCLOOCTANE

Conversions of methycyclooctane in the presence of platinum catalysts. E. S. Balenkova and others. Dokl. AN SSSR 161 no. 6:1329-1332. Ap '65.

## CYCLOPENTADIENE

Reactions of chloromethylcyclopentadienylmanganese-tricarbonyl with some nucleophilic reagents. A. N. Nesmedanov, K. N. Anisimov, Z. J. Valueva. Dokl. AN SSSR 162 no. 1:112-115. My '65.  
Steric inhibition in diene synthesis reaction of cyclopentadiene with monosubstituted ethylenes. B. A. Arbutov, A. N. Vereshchagin. Izv. AN SSSR Ser. khim. no. 3:486-491. '65.  
Synthesis of cyclopentadiene homologs. T. I. Nasykhina, I. P. Bel'skiy. Izv. AN SSSR Ser. khim. no. 3:570-571. '65.

## CYCLOPENTADIENE-DIPOLE MOMENTS

Dipole moments and the structure of adducts of hexachlorocyclopentadiene with halo-substituted ethylenes. B. A. Arbutov, A. N. Vereshchagin. Izv. AN SSSR Ser. khim. no. 4:598-604. '65.

## CYCLOPENTANE

Isomerization of cyclohexane in methyl cyclopentane. I. A. M. Pashikhin and others. Trudy MINKhGP no. 44: 58-63. '63.

## CYCLOPENTENEDIONE

Structure and acidity of 4-cyclopentene-1,3-diones and 1,3-indandiones. E. I. A. Gren, G. V. Vanag. Zhur. org. khim. 1 no. 1:3-7. Ja '65.

## CYCLOPROPANE

Addition of trichlorogermene to cyclopropane derivatives. O. M. Nefedov, S. P. Kolesnikov, M. N. Novitskaya. Izv. AN SSSR Ser. khim. no. 3:579-580. '65.  
Comparative reactivity of norcaradiene and cyclopropane in ionic reactions. O. M. Nefedov, M. N. Novitskaya, V. I. Shibaev. Dokl. AN SSSR 161 no. 5:1089-1092. Ap '65.  
Electron diffraction study of the structure of phenylcyclopropane molecules. L. V. Vilkov, N. I. Sadova. Dokl. AN SSSR 162 no. 3:566-569. My '65.

## CYCLOPROPANEDICARBOXYLIC ACID

Trans-cis isomerization of 1,2-cyclopropanedicarboxylic acid. I. N. Topchieva, M. Al'totto, R. I. A. Levina. Zhur. ob. khim. 35 no. 4:749. Ap '65.

## CYLINDERS

Axiymmetric problem in the theory of elasticity for a semi-infinite circular cylinder. V. T. Grinchenko. Prikl. mekh. 1 no. 1:100-110. '65.

## CYPRUS-COMMERCE-RUSSIA

Treaties and agreements. Vnesh. torg. 45 no. 5:45-46. '65.

## CYSTICERCOSIS, CEREBROSPINAL

Cysticercosis and a secondary iridocyclitis of the eye combined with cysticercosis of the brain. G. K. Gavrilovskaya. Trudy 1-go MMI 32:229-236. '64.  
Materials on the classification of clinical forms of cysticercosis of the brain. E. L. Salganik. Zhur. nevro. i psikh. 65 no. 5:686-690. '65.

## CYSTS

Cystic cysts of the pericardium. V. L. Mashevich. Trudy TSU 66:36-50. '64.

Esophageal cysts of the mediastinum. G. A. Lavnikova. Arkh. pat. 26 no. 12:67-70. '64.

Papercystic cyst. V. V. Vlasov, K. P. Kuz'min. Vest. khir. 93 no. 12:99-99. '64.

## CYTOCHROME OXIDASE

Extremely fast stimulation of the increase in enzymatic activity in the fertilization process. A. A. Nefekhi, G. V. Denisova. Dokl. AN SSSR 162 no. 3:608-701. My '65.

## CYTOGENETICS-ELECTROMECHANICAL ANALOGIES

Relay model of the self-reproduction process. I. U. N. Krol'. TSitologiya 4 no. 5:580-584. S-O '62.

## CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

## CYTOLOGY

Method of staining plasmatid cells. M. G. Shubich. Arkh. pat. 27 no. 4:80-81. '65.

Methodology for simultaneous determining of the volume of extra- and intracellular fluid in the body of rats. I. U. Ivanov, B. A. Pakhmuray. Biol. ekol. i med. 59 no. 4:123-125. Ap '65.

## CYTOLOGY-CONGRESSES

The 72nd scientific conference of the Cytological Institute of the Academy of Sciences of the U. S. S. R. A. L. Iudin. TSitologiya 4 no. 5:602-603. S-O '62.

## CYTOLOGY-TECHNIQUE

Errors in cytophotometry. L. S. Agoskikh. TSitologiya 4 no. 5:585-595. S-O '62.

## CYTOPLASM see Protoplasm

## CYTOXIC DRUGS

Effect of antitumoral compounds on the regeneration of the liver in rats. G. L. Zhdanov, I. B. Sorokina, V. F. Mal'kova. Dokl. AN SSSR 161 no. 5:1235-1237. Ap '65.

## CZECH LANGUAGE-COMPOUND WORDS

"Syntactic ties" between components of compound words, from materials of the Czech language prior to the Battle of the White Mountain. K. K. Trofimovych. Visnyk L'viv. un. Ser. filol. no. 1:108-112. '63.

## CZECH LANGUAGE-NOUN

Formation of abstract nouns with the suffix "-ota" in Czech. V. P. Andel. Visnyk L'viv. un. Ser. filol. no. 1: 118-123. '63.

## CZECH LANGUAGE-VERB

Origin and development of marked imperative verbs in Czech. A. G. Shirokova. Vest. Mosk. un. Ser. 7: Filol. zhur. 20 no. 2:33-45. Mi-Ap '65.

## CZECH LANGUAGE-WORD FORMATION

Formation of abstract nouns with the suffix "-ota" in Czech. V. P. Andel. Visnyk L'viv. un. Ser. filol. no. 1: 118-123. '63.

## CZECHOSLOVAKIA-AIRPLANES-MODELS

From the practice of foreign airplane modelling. Kryl. rod 13 no. 3:28. Mi '62.

## CZECHOSLOVAKIA-CHEMICAL WORKERS

Social insurance is an important condition for increasing the standard of living of the chemical workers of the Czechoslovak Socialist Republic. Vaclav Vesely. Neftianik 8 no. 5:20-21. My '63.

## CZECHOSLOVAKIA-COMMERCE-RUSSIA

Further developing of Soviet-Czechoslovak cooperation. M. Chistakov. Vnesh. torg. 45 no. 5:10-14. '65.

## CZECHOSLOVAKIA-COURTS

Development of the democratic foundations of the judiciary of Czechoslovakia. M. Shabanov. Sov. iust. 29 no. 6:27-28. Mi '65.

## CZECHOSLOVAKIA-ECONOMIC CONDITIONS

A glorious anniversary of fraternal Czechoslovakia. I. Mel'nikova. Komm. Ukr. 39 no. 5:66-71. My '65.  
The twentieth spring. N. Novikov. Mezhdunar. zhizn' 12 no. 5:41-48. My '65.

## CZECHOSLOVAKIA-ECONOMIC POLICY

Further developing of Soviet-Czechoslovak cooperation. M. Chistakov. Vnesh. torg. 45 no. 5:10-14. '65.

## CZECHOSLOVAKIA-EDUCATION

In the experimental schools of Czechoslovakia. G. Kasavla. Nar. obr. no. 5:98-97. My '65.

## CZECHOSLOVAKIA-FIBERBOARD

Rebrin, S. P., and N. A. Borisov. [Production of fiberboard by the dry method without binders in the Czechoslovakian S.S.R.] Proizvodstvo drovesno-voloknistsykh plit sukhim sposobom bez svyazulushchikh v ChSSR. Moskva, TSentr. nauchno-issl. i in-formatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatovushchei promyshl. i lesnomu khoz., 1964. 20 p. (Bumaga i tselluloza)

[MICROFILM]

## CZECHOSLOVAKIA-FOREIGN RELATIONS-RUSSIA

A glorious anniversary of fraternal Czechoslovakia. I. Mel'nikova. Komm. Ukr. 39 no. 5:66-71. My '65.  
The Soviet-Czechoslovak Treaty of 1943: history of its diplomatic preparation. S. I. Prasclov. Sov. slav. no. 1:20-33. '65.

## CZECHOSLOVAKIA-HISTORY

Vesely, Jindřich. [Czechs and Slovaks in revolutionary Russia in 1917-1920. Translated from the Czech] Chehi i slovaki v revoliutsionnoi Rossii 1917-1920 gg. Moskva, Voenizdat, 1965. 180 p.

## CZECHOSLOVAKIA-ICE CAVES

Ice caves of Czechoslovakia. A. Droppa. Peshchery no. 4:65-64. '64.

## CZECHOSLOVAKIA-INSURANCE, SOCIAL

Social insurance is an important condition for increasing the standard of living of the chemical workers of the Czechoslovak Socialist Republic. Vaclav Vesely. Neftianik 8 no. 5:20-21. My '63.

## CZECHOSLOVAKIA-JUDGES

Development of the democratic foundations of the judiciary of Czechoslovakia. M. Shabanov. Sov. iust. 29 no. 6:27-28. Mi '65.

## CZECHOSLOVAKIA-RELATIONS (GENERAL) WITH RUSSIA

Bogolavtsevskiy, S. P., comp. [Friendship strengthened by blood] Druzhba, skreplennaya krov'iu. [Voroonezh] Voronezhskoe kulzhnoe izd-vo, 1963. 155 p. (MI)

The twentieth spring. N. Novikov. Mezhdunar. zhizn' 12 no. 5:41-48. My '65.

## CZECHOSLOVAKIA-RELATIONS (GENERAL) WITH THE UKRAINE

Ukrainian materials in the Literary Archives of the National Museum in Prague. F. Poholcnyk. Rad. lit. 9 no. 4:81-86. Ap '65.

## CZECHOSLOVAKIA-RELATIONS (MILITARY) WITH RUSSIA

Czechoslovakian meetings. V. Korshunov. Komm. Vooruzh. Sil 46 no. 7:77-80. Ap '65.  
With comrades in arms. A. Koval'ovskiy. Sov. voen. 17 no. 5:41-43. Mi '65.

## CZECHOSLOVAKIA-RUSSIANS

Soviet citizens on the territory of Czechoslovakia during the Second World War. Zdeněk Konečný, František Mainus. Ist. SSSR 9 no. 1:195-202. Ja-F '65.

## CZECHOSLOVAKIA-SUPPLY AND DEMAND

Methods of calculating the coefficients of demand elasticity in Poland and Czechoslovakia. F. Krutikov. Vest. stat. no. 5:46-53. '65.

## CZECHOSLOVAKIA-TRADE UNIONS

New initiatives of the Czechoslovak trade unions. Interview with F. Zupka. Vses. prof. dvizh. no. 3. 16-18. My '65.

## CZECHOSLOVAKIA-WHOLESALE TRADE-ACCOUNTING

Organization of machine accounting in the wholesale trade of the Socialist Republic of Czechoslovakia. Milan Kryka. Bukhgh. uch. 21 no. 10:53-61. O '64.

## CZECHOSLOVAKIA-WOOLEN AND WORSTED MANUFACTURE

Wool reclaiming from rags in Czechoslovakia. V. P. Klimanov. Tekst. prom. 25 no. 3:18-23. Mi '65.

## CZECHOSLOVAKIA-WORLD WAR, 1939-1945

The road of a soldier. M. Nasybullin. Sots. zakon. 42 no. 5:44-47. My '65.

Soviet citizens on the territory of Czechoslovakia during the Second World War. Zdeněk Konečný, František Mainus. Ist. SSSR 9 no. 1:195-202. Ja-F '65.

## CZECHOSLOVAKIA-WORLD WAR, 1939-1945-CAMPAIGNS

Konov, I. S., ed. [For the liberation of Czechoslovakia] Za osvobodění Čechoslovenska. Moskva, Voenizdat, 1965. 387 p.

## CZERWIENSKI, BOLESŁAW, 1851-1888

B. Czerwiński as author of the "Red banner." I. I. Iryka. Visnyk L'viv. un. Ser. filol. no. 1:85-88. '63.

## CZYWCZYNSKIE MOUNTAINS-PYRITES

Some characteristics of pyrites from sulfide ore manifestations in the Czywczyńskie Mountains. O. I. Maikovskiy, F. V. Zuzuk. Min. sbor. 10 no. 2:189-203. '64.

## DACRON

Characteristics of yarn and knit goods manufactured from a cotton and lavsan blend. P. M. Konukov, B. E. Efros, A. I. Kobinkov. Tekst. prom. 25 no. 4:10-14. Ap '65.  
Experimental processing of asbestos fibers blended with spun lavsan. V. I. Afenov, N. D. Kulareva. Tekst. prom. 25 no. 3:92-93. Mi '65.  
Lavsan as suture and ligation material. E. M. Guseva, S. A. Kalashnikov, L. L. Plotkin. Vest. khir. 94 no. 2: 76-82. F '65.

## DAGGERS see sub-division under Caucasus

## DAGHESTAN-COMMUNIST YOUTH LEAGUE

Omanov, Akhmed. [Place of the Communist Youth League is on the front line] Mesto konsomola - na perednom krae. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 32 p. (CS-H)

## DAGHESTAN-HISTORY

Gadzhiev, V. G. [The role of Russia in the history of Daghestan] Rol' Rossii v istorii Dagestana. Moskva, Nauka, 1965. 389 p.



- DAGHESTAN—LEPTOSPIROSIS**  
Domestic animals as the origin of leptospirosis in Daghestan. E. N. Gorshanova. Zhur. mikrobiol., epid. i immun. 41 no. 10:120-125 '64.
- DAGHESTAN—POTATOES—FERTILIZERS AND MANURES**  
Effect of mineral fertilizers on the yield and quality of potato tubers in Daghestan. R. K. Guseinov. Dzh. Rasulov. Agrokhimia no. 3:83-90 Mr '65.
- DAGHESTAN—SHEEP**  
Change the procedure in receiving sheep. Z. Shakhmardanov, P. Golin. Ekon. sel'khoz. 40 no. 4:102-103 Ap '65.
- DAGHESTAN—SOIL CONSERVATION**  
Soil erosion in the forest-steppe belt of southern Daghestan. S. U. Kerimkhanov. Pochvovedenie no. 5:57-62 My '65.
- DAGHESTAN IN LITERATURE**  
Fruitfulness of an exact position. M. Chudakova. Vop. lit. 9 no. 4:233-234 Ap '65.
- DAIRY BARN—EQUIPMENT AND SUPPLIES** see subdivision under Tiraspol District
- DAIRY CATTLE—FEEDING AND FEEDS**  
Use of corn silage in intensified dairying. V. N. Bakanov and others. Izv. TSKHA no. 5:178-186 '64.
- DAIRY INDUSTRY**  
(see also subdivision under Ukraine)  
Improved manufacture of food products from skim milk. M. I. Koval'skiy, L. P. Blushina. Khar. prom. no. 2:68-71 Ap-Je '65.
- DAIRY PLANTS—LIGHTING** see subdivision under Vologda Province
- DAIRY PRODUCTS**  
Nazarov, B. A. [Commercial study of milk products and fats]. Tovarovedenie molochnykh tovarov i zhиров. Moskva, Ekonomika, 1965. 151 p.
- DAMAGES**  
Pension security under social insurance and the civil law compensation for damages due to disability sustained at work; comparative criteria. E. I. Astrakhan. Uch. zap. VNIISZ no. 2:101-153 '64.  
Responsibility of an organization for damages caused by negligence of its employees. V. Popel'skiy. Sov. iust. 29 no. 6:19-21 Mr '65.
- DAMPING (MECHANICS)**  
Damping of small oscillations in the atmosphere due to viscosity and heat conduction. G. S. Golitsyn. Izv. AN SSSR. Fiz. atm. i okeana 1 no. 2:136-149 T '65.
- DAMPNESS IN BUILDINGS**  
Using water vapor transfer coefficients in calculating moisture content in enclosing structures of buildings. V. N. Il'inskiy. Inzh.-fiz. zhur. 8 no. 2:223-228 T '65.
- DAMPNESS IN BUILDINGS—TESTING**  
Investigating moisture content in the outside walls. A. Alimova. Inzh.-fiz. zhur. 8 no. 2:255-256 F '65.
- DAMS**  
(see also subdivision under Syria)  
Nature of injecting clayey solutions into fine grain sands. M. G. Kalitagina, I. P. Mochalov. Trudy VNIIGM 44: 84-87 '64.
- DAMS—CATALOGS**  
Mandzhayidze, N. F., and G. P. Mamaradze. [Catalog of high dams; with a height greater than 75 m.] Katalog vysokikh plotin, vysotai bolee 75 m. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 185 p.
- DANTE ALIGHIERI, 1265-1321**  
Dante in Soviet culture. I. N. Golenishchev-Kutuzov. Izv. AN SSSR, Ser. lit. i jaz. 24 no. 2:129-144 Mr-Ap '65.  
Great Florentine. Sem'ia i shkola 20 no. 5:17 My '65.  
Living shadow of Dante. Aleksandr Delch. Oktabr' 41 no. 5:210-217 My '65.  
Sutueva, T. O. [Dante Alighieri; on the 700th anniversary of his birth]. Dante Alighieri; k 700-letiiu so dnia rozhdeniia. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v znanii, nauke, tekhnike: VI Serii; Literatura i iskusstvo, no. 8)  
Verse about Madonna Pietra, Dante Alighieri. Translated from the Italian by I. N. Golenishchev-Kutuzov. Nov. mir 41 no. 5:297-303 My '65.
- DARKLING BEETLES** see subdivision under Turkmenistan
- DATOLITE**  
Find of accessory datolite in association with kimberlites. I. T. Koslov, G. M. Muzyska, G. I. Smirnov. Min. sbor. 35 no. 2:207-210 '64.
- DAUGAVA RIVER** see Western Dvina River
- DEAF CHILDREN** see Children, Deaf
- DEAFNESS**  
Ginzburg, V. Z., and M. M. Medunytala. [Restored symphonies (Professor O. S. Kolomichenko), an essay]. Povernnyi simfonii (professor O. S. Kolomichenko); narys. Kyiv, Derzhlitvydav Ukrainy, 1963. 103 p. (Ludy i problemy semyrichky) (DNLM)  
Significance of modern surgery for the restoration of hearing in the expert examination of patients with chronic suppurative otitis. K. S. Aznaur'ian. Voen.-med. zhur. no. 9:35-37 '64.
- DEATH**  
Analysis of lethal outcomes in fractures of the upper femoral epiphysis, based on data of the Sklifosovskii Institute of First Aid. T. K. Vichitova-Osipenkova. Ortop., travm. i protez. 26 no. 2:50-58 T '65.  
Analysis of the causes of the thermal death of skeletal muscles. V. B. Ushakov. Fiziol. zhur. 51 no. 3:388-394 Mr '65.  
Case of a fatal outcome caused by the effect of a strong acoustic stimulant on a dog. L. F. Rudenko. Zhur. vys. nerv. deiat. 15 no. 1:105-108 Ja-F '65.  
Restoration of blood circulation and respiration in dogs revived following prolonged clinical death due to electrical trauma. M. P. Adamenko. Fiziol. zhur. [Ukr.] 10 no. 1:82-89 Ja-F '63.
- DEATH—CAUSES**  
Combination of causes of death or asphyxia by strangulation? E. I. A. Sokolov. Sud.-med. ekspert. 8 no. 1:45-46 Ja-Mr '65.  
Determination of the direct cause of death. O. B. Mazikova. Sud.-med. ekspert. 8 no. 1:47-48 Ja-Mr '65.  
Medicolegal significance of the examination of the scene of the incident in the expertise of self-blasting. E. S. Ephlein. Sud.-med. ekspert. 8 no. 1:48-48 Ja-Mr '65.
- DEATH, APPARENT**  
Comparative evaluation of cooling and warming periods in deep hypothermia, morphological and histochemical study. G. D. Kniazeva. Arkh. pat. 27 no. 5:52-59 '65.  
Hypoxia and acid-base equilibrium in dying from loss of blood under conditions of deep hypothermia and in the subsequent restoration of vital functions following a two-hour clinical death. O. N. Bulanova. Pat. fiziol. i eksp. terap. 8 no. 2:26-30 Mr-Ap '65.
- DEATH OF FETUS** see Fetus, Death of
- DECADENCE IN LITERATURE**  
History of the struggle against decadence in Russian literature. I. A. Bunin on literary decay. I. S. Gazer. Voprosy L'viv. un. Ser. filol. no. 1:69-79 '63.
- DECEMBRISTS**  
Zadonskiy, N. A. [Secrets of past times; historical studies]. Tainy vremen minulovshikh; istoricheskie etudy. Voronezh, Tsentral'no-Chernozemnoe izd-vo, 1964. 106 p.
- DECIMAL CLASSIFICATION** see Classification, Decimal
- DECOMPRESSION SICKNESS**  
Case of decompression sickness with a severe course. G. M. Korogodskiy, A. I. A. Kapustin. Voen.-med. zhur. no. 6:53-54 '64.  
Incidence of decompression sickness in shallow waters. G. N. Klintsevich. Voen.-med. zhur. no. 9:62-61 '64.
- DECORATION AND ORNAMENT, ARCHITECTURAL** see subdivision under Soviet Central Asia
- DECORATIONS OF HONOR**  
Decree of the Presidium of the Supreme Soviet of the U.S.S.R. of March 17, 1965, conferring the Order of the Red Banner on Comrade A. N. Mishutin. Biul. Verkh. Suda no. 2:44 '65.
- DEEP DRAWING (METALWORK)**  
Effect of the shape of drawing dies on their durability. N. V. Maksimov, N. A. Noga. Kuz.-shtam. prozv. 7 no. 3:13-14 Mr '65.  
Zakharov, A. T. [Flow lines during deep drawing]. Polosy tekuchestvi pri shtamповке-vytiazhke. Moskva, Mashinostroenie, 1965. 68 p.
- DEER—PARASITES** see Parasites—Deer
- DEFENSE (CRIMINAL PROCEDURE)**  
(see also subdivision under Leningrad)  
Do false statements made by the defendant have evidentiary weight? I. Petrukhin. Sov. iust. 29 no. 7:15-17 Ap '65.  
Do not permit infringements of the legal rights of a defendant and defense counsel in preliminary investigation. N. Alekhin, I. Furer. Sov. iust. 29 no. 6:26 Mr '65.
- DEFENSES, NATIONAL** see subdivision 'Defenses' under Germany, West
- DEFICIENCY DISEASES**  
Immunogenesis and cellular reaction of the lymphatic nodes in C-hypovitaminosis. A. A. Klementova, I. P. Griaznova. Zhur. mikrobiol., epid. i immun. 42 no. 4:96-101 Ap '65.
- DEFICIENCY DISEASES IN SHEEP**  
Biochemical mechanisms of copper deficiency. M. A. Rish, L. I. Shecherbakova. Dokl. Akad. sel'khoz. nauk no. 2:33-36 F '65.
- DEFOLIATION**  
Effect of defoliation on the seed and fiber of cotton in the following generation. S. I. Kadialiev. Shor. nauch. rab. asp. SoluzNIKHI no. 5:348-352 '64.  
Effectiveness of phosphorus organic defoliants in Samar. kand. Province. T. I. A. Babayev. Shor. nauch. rab. asp. SoluzNIKHI no. 5:221-228 '64.  
Maturation and defoliation of forage beans in White Russia. I. H. Stralkov, M. A. Aina. Vestn. AN BSSR. Ser. sel'khoz. nauch. no. 1:42-47 '65.  
Physiological study of the defoliation and desiccation of Soviet fine-fiber cotton. I. V. Raktin, A. B. Sopyev. Agrokhimia no. 1:105-101 Ja '65.
- DEFORMATIONS (MECHANICS)**  
Calculating nonlinear deformations of certain parts. I. N. Stetsinger. Izv. vys. ucheb. zav., mashinost. no. 1:34-50 '65.  
Characteristics of a cyclic elastoplastic deformation at high temperatures. A. P. Guseinov, R. M. Shnekerovich. Mashinovedenie no. 1:88-90 '65.  
Characteristics of the deformation of solid bodies under the combined effect of diffusion and heat conduction. L. O. Sverhunenko. Dop. AN URSR no. 4:460-464 '65.  
Contact compression of two elastic cones. I. Sh. Rabinovich. Izv. AN SSSR. Mekh. no. 1:88-73 Ja-F '65.  
Determining the rate of metal flow in the center of deformation in certain cases of pressure working. V. P. Potapkin. Kuz.-shtam. prozv. 7 no. 3:1-3 Mr '65.  
Effect of mechanical deformations on the domain structure and hysteresis loops of thin magnetic films. I. P. Antipin and others. Izv. AN SSSR, Ser. fiz. 20 no. 4:620-625 Ap '65.  
Effect of plastic deformation on the antineutrino spectra of positrons with electrons in metals. I. A. Dekhtiar, D. A. Levina, V. S. Mikhailenkov. Shor. nauch. trud. Inst. metallofiz. AN URSR no. 10:127-131 '64.  
Establishing thermomechanical conditions of the plastic deformation of metals. P. P. Ivanushkin and others. Kuz.-shtam. prozv. 7 no. 1:19-21 Ja '65.  
Hardening of metals under the effect of explosive loading conditions. F. S. Atroshchenko, P. O. Pashkov, I. M. Rindinskaya. Fiz. met. i metalloved. 10 no. 4:619-623 Ap '65.  
Impression and tension diagrams in the area of elastic and minor plastic deformations. M. P. Markovets, V. I. Pashina, I. I. Pkain. Izv. vys. ucheb. zav., mashinost. no. 2:94-98 '65.  
Instability of a plastic deformation caused by biaxial tension. L. S. Andreev. Izv. vys. ucheb. zav., mashinost. no. 1:51-57 '65. no. 1:21-33 '65.  
Investigating heavy deformations of a strip subjected to plastic bending taking age-hardening into consideration. N. N. Malinin, A. A. Shirshov. Izv. vys. ucheb. zav.; mashinost. no. 2:185-172 '65.  
Investigating strength conditions during roll forging in circular grooves. K. M. Kaufman. Kuz.-shtam. prozv. 7 no. 3:3-6 Mr '65.  
Investigating the effect of the parameters of rolls and strip width on the rigidity of the roll system on sheet mills. Report no. 2. P. I. Polukhin, A. S. Kudrjavtsov, N. G. Bots. Izv. vys. ucheb. zav., Chern. met. 8 no. 5: 85-89 '65.  
Irreversible shape changes of pure metals during cyclic heat treatment. I. A. Dekhtiar, E. G. Madntova. Shor. nauch. trud. Inst. metallofiz. AN URSR no. 19:74-78 '64.  
Jumplike deformation of nickel with a high hydrogen content. E. P. Necha, K. V. Popov. Fiz. met. i metalloved. 10 no. 4:612-618 Ap '65.  
Longitudinal impact of a body against a rod allowing for local deformation. S. A. Zegzhda. Vest. LGU no. 7: 166-117 '65.  
Plasticity theory taking into account the Baushing effect with the initial flow surface in the Tresk form. I. I. Kadnshvich. Trudy LITTSBP no. 14:227-228 '64.  
Self-heating of polymers following repeated deformation. S. B. Ratner, V. I. Korobov. Dokl. AN SSSR 181 no. 4: 824-827 Ap '65.  
Structure and internal stresses of zinc electrodeposited in the presence of alcohols. M. I. A. Popov, V. V. Koshmanov. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no. 6:967-972 '64.  
Study of axially symmetrical extension during high-speed automatic die-stamping. S. N. Ivanov. Kuz.-shtam. prozv. 7 no. 1:28-32 Ja '65.  
Temperature-speed conditions for the deformation of ShKh15 steel in the polymorphic transformation period. I. A. M. Okhrimenko, V. I. Zaleskiy, O. M. Smirnov. Izv. vys. ucheb. zav.; Chern. met. 8 no. 5:170-75 '65.

## FORMATIONS (MECHANICS) (Continued)

Thermodynamic characteristics of the deformation of chlorinated guita-percha in a highly elastic state. V. A. Marglin and others. Dokl. AN SSSR 161 no. 4:867-870 p '65.  
 dth of the diffraction lines on X-ray patterns of strain-hardened metals. B. M. Rovinskii, L. M. Rybkova. Izv. met. i metalloved. 19 no. 4:596-601 Ap '65

## FORMATIONS (MECHANICS)—MODELS

Investigating the character of ingot mold wall deformations with the use of a plexiglas model. A. V. Kukaa. Izv. vya. ucheb. zav. ; Chern. met. 8 no. 5:45-50 '65  
 Investigating the distribution of plastic deformations by the photoplasticity method. N. M. Zolotukhin, I. Z. Zolotukhin, A. P. Getmanski. Izv. vya. ucheb. zav. ; Chern. met. 8 no. 5:76-81 '65

## FORMATIONS (MECHANICS)—TESTING

Investigating asymmetrical deformation by means of the variation principle of mechanics. I. A. Tarnovskii, P. Korzh. Izv. vya. ucheb. zav. ; Chern. met. 8 no. 5:65-69 '65

## FORMATIONS, CONTINUOUS see Homotopy theory

## FRIT, VLADIMIR ALEKSANDROVICH, 1889-1944

Imir Aleksandrovich Degol'. F. N. Petlov. Vop. KPSS 9 no. 6:92-96 Je '65.

## IRADIATION (CHEMISTRY)

Irradiation of melamine-formaldehyde resins. E. G. Ancheva, N. F. Novakovskii, A. V. Pamfilov. Ukr. khim. zhur. 30 no. 6:571-575 '64  
 Thermal conversion of polyacrylonitrile. M. A. Idoriki, B. E. Davydov, B. A. Krentsel'. Izv. AN SSSR, r. khim. no. 4:636-643 '65.

## ANOL—THERAPEUTIC USE

Treatment of lymphogranulomatosis with dapan and ranol. I. U. P. Kolesnikov. Sov. med. 28 no. 1:116-118 Ja '65.

## IRADIATION (CHEMISTRY)

Irradiation of a mixture of isopentanol and constant conversions of formed isopentenes. L. Kh. Khilim, V. Z. Shai, Z. T. Tukhtamurov. Izv. AN SSSR, r. khim. no. 3:531-534 '65.

Irradiation of tertiary diacetylenic glycols. S. A. Vartanov, S. K. Pirov, R. V. Tokmadzhian. Izv. AN SSSR, r. khim. nauk. 18 no. 1:126-127 '65.  
 Thermal dehydration of polyglycolite studied by infrared spectroscopy. I. U. T. Tarasovich, F. D. Ovcharenko. Izv. AN SSSR, r. khim. no. 5:1138-1141 Ap '65.

## ISOSCORBIC ACID

Effect of dehydroascorbic acid on the activity of the pancreatic lipase in cat. N. M. Hula. Ukr. biokhim. zhur. no. 3:424-427 '62.

## ISOMERASES

Effect of the antineoplastic activity of basic polypeptides. I. U. T. G. Terent'eva. Trudy TSU 68:150-154

Effect of the molecular weight of a mixture of crystalline A and dehydrogenase of d-glyceraldehyde-phosphate from the muscles of a rabbit. P. D. Nikova and others. Ukr. biokhim. zhur. 34 no. 3:337 '62.

## ISOMERIZATION

Isomerization of isopentane on aluminum-chromium catalysts, effect of the chromic oxide content on catalytic. O. D. Sterligov, N. A. Eliseev. Khim. fiz. 5 no. 1:10-18 Ja-F '65.

Isolating the effect of the volumetric speed and temperature on the oxidative dehydrogenation of isooctane. A. A. Vartanov, M. S. Belen'kii, T. G. Al'khazov. Izv. vya. ucheb. zav. ; nef. i gaz. 8 no. 4:140, 62 '65.  
 Hydrogen in the dehydrogenation of cyclohexanethane. V. A. Druz', N. I. Utugulov, D. V. Sokol'. Dokl. AN SSSR 162 no. 2:373-375 My '65.

Effect of the effect of oxygen and isooctane concentration on its oxidative dehydrogenation. A. A. Vartanov, Al'khazov, M. S. Belen'kii. Izv. vya. ucheb. zav. ; nef. i gaz. 8 no. 3:72, 84 '65.

## ISOLATION

Isolation of a high-frequency magnetostriiction component. A. S. Volkov. Radiotekh. i elektron. 10 no. 4:34 Ap '65.

Control unit. V. G. Riaguzov. Izv. vya. ucheb. zav. ; mekh. 8 no. 4:467-471 Mr '65.

## ISOLATION

Logical characteristics of a model of cutaneous manifestations in white mice. A. I. Iakovlev and others. Pat. 27 no. 4:52-57 '65.

## ISOLATION OF GOODS

See subdivision under Bulgaria  
 thoroughly for deliveries. I. U. Gusev. Sov. torg. 4:23-24 Ap '65.

Delivery, reception and storage of merchandise. Sh. Opelbaum. Sov. potrebn. 9 no. 4:43-50 Ap '65.

## DELIVERY OF GOODS—ACCOUNTING

Accounting for payments to suppliers in mixed trading. A. Iakovlev. Buhg. uch. 21 no. 10:44-47 O '64.

## DELIVERY OF GOODS (LAW)

(See also subdivision under Belgorod; Ukraine)  
 Gal'perin, L. B. [Issues of disciplined performance of contracts in Soviet trade]. Voprosy dogovornoi distsipliny v sovetskoi torgovle. Tomsk, Izd-vo Tomskogo univ., 1961. 38 p.  
 [MICROFILM]

Legal regulations concerning the repair of farm machinery need improvement. R. Khalilina, G. Khalidas. Sov. iust. 29 no. 10:6-8 My '65.

Litigations concerning quantitative shortage before arbitration tribunals. I. U. Klement'ev. Sov. iust. 29 no. 10:16-17 My '65.

## DELUSIONS see Hallucinations and illusions

## DEMENTIA PRACCOX see Schizophrenia

## DEMOCRACY

Marxist interpretation of the history of revolutionary democratic ideology. V. I. Shinkaruk, A. A. Pashkova, N. T. Asanova. Vop. filoz. 19 no. 4:126-134 '65.

## DENDROCHRONOLOGY

Use of botanical methods in archaeological and climatological research. A. M. Semenova-Tian-Shanskaya. Bot. zhur. 50 no. 4:577-579 Ap '65.

## DENEZHNIK KAMEN'—HYMENOMYCETES

Cap fungi of some plant communities in the "Denezhnik Kamen'" (Central Urals). B. A. Tomilin. Bot. zhur. 50 no. 4:546-551 Ap '65.

## DENEZHNIK KAMEN'—PLANT COMMUNITIES

Cap fungi of some plant communities in the "Denezhnik Kamen'" (Central Urals). B. A. Tomilin. Bot. zhur. 50 no. 4:546-551 Ap '65.

## DENITRIFICATION see Nitrification

## DENMARK—COLLECTIVE LABOR AGREEMENTS

"Crumbs from the table of the rich." A. Antonov. Sov. profsoyuz. 21 no. 11:42 Je '65.

## DENMARK—RELATIONS (MILITARY) WITH WEST GERMANY

Unreasonable concession. A. Timofeev. Mezhdunar. zhizn'. 12 no. 5:130-131 My '65.

## DENSITOMETERS

Automatic densitometer for micelles. V. O. Osmenina, A. D. Nesterov. Maslozhir. prom. 31 no. 2:31-33 F '65.

## DENTIFRICES—TESTING

Hygienic evaluation of the basic types of Soviet tooth-pastes. I. U. A. Fedorov, L. A. Blank, G. M. Kogan. Maslozhir. prom. 31 no. 2:34-36 F '65.

## DEODORIZATION

Effect of isomerization and polymerization of fatty acids in whale oil on fishy odor reversion. T. A. Khorin. Izv. vya. ucheb. zav. ; plashch. tekhn. no. 1:114-117 '65.  
 Separation of sterols from the wastes of fat deodorization. N. I. Kozin, M. S. Kastoryukh, L. F. Feshkova. Izv. vya. ucheb. zav. ; plashch. tekhn. no. 1:89-91 '65.

## DEOXYCHOLIC ACID—PHYSIOLOGICAL EFFECT

Effect of sodium deoxycholate and trypsin on the mitochondria of the gray and white substances of the brain in rabbits. G. P. Guldova. Bfui eksp. biol. i med. 59 no. 4:142-45 Ap '65.

## DEOXYRIBONUCLEIC ACID see Nucleic acids

## DEPARTMENT STORES see subdivision under Lvov; Minsk; Moscow; Murmansk; Vilnius

## DEPRESSION, MENTAL

Dynamics of neurotic depression. N. D. Lakosina. Zhur. nev. i psikh. 65 no. 5:729-732 '65.  
 Some most frequently encountered pictures of old age depressions in old age. N. G. Shumskii. Zhur. nev. i psikh. 65 no. 4:558-566 '65.

## DERBENT (DAGESTAN)—FORTIFICATIONS, OLD

Walls and towers of the Derbent stronghold. S. O. Khan-Mamedov. Arkhit. nas. 17:121-148 '64.

## DERZHAVIN, GAVRIIL ROMANOVICH, 1743-1816

Zapadov, V. A. [Gavriil Romanovich Derzhavin; a biography, Textbook for students]. Gavriil Romanovich Derzhavin; biografiia. Posobie dlia uchashchikh-sia. Moskva, Prosveshchenie, 1965. 164. (Biografiia pisatelei)

## DESERT ECOLOGY see subdivision under Kazakhstan; Soviet Central Asia

## DESIGN, INDUSTRIAL

A better Public Designing Office. G. Opukhovskaja. Metallurg. 10 no. 3:37-38 Mr '65  
 Legal protection of industrial designs. E. Gavrilov. Vnesh. torg. 45 no. 5:37-38 '65.

## DESILTING BASINS

TSvetikova, N. F. [Technological conditions and norms in the designing of irrigation settling basins]. Tekhnicheskie uslovia i normy po proektirovaniu irrigatsionnykh otstolnikov. Tashkent, Izd-vo "Nauka" UzSSR, 1964. 66 p. (Voprosy gidrotekhniki, no. 19)

## DESNA VALLEY—STONE AGE

Shovkopolska, I. G. [Mezin site; history of the middle Dnieper basin in the Late Paleolithic]. Mezinskala stolnka, k istorii Srednedneprovskogo basseinu v pozdnepaleoliticheskuu epokhu. Kiev, Naukova dumka, 1965. 323 p.

## DESULFURATION

Studying the kinetics of the desulfuration of cast iron by slag, by the method of alternating current polarization. A. I. Solnikov, O. A. Esin, I. U. P. Nikitina. Izv. AN SSSR, Met. no. 1:32-39 Ja-F '65.

Thermodynamic analysis of the behavior of sulfur during the sintering of iron ores. I. S. Kulikov, G. M. Komissarov. Izv. AN SSSR, Met. no. 1:3-10 Ja-F '65.

## DETERMINATIVE MINERALOGY see Mineralogy, Determinative

## DETONATORS—TESTING

Results of testing electric detonators with a delay interval of 15 msec. M. M. Akhmetov and others. Gor. zhur. no. 5:38-39 My '65.

## DEUTERIUM

Isotope exchange of cyclobutane with deuterium on vaporized-metal coatings. B. S. Gudkov, A. A. Balandina, E. P. Savin. Dokl. AN SSSR 162 no. 4:843-846 Je '65.

Isotopic exchange of hydrogen in hydrocarbons on rare-earth oxides. Report 3: Deuterium exchange in hydrocarbons on gadolinium oxide. Kh. M. Minachev and others. Izv. AN SSSR, Ser. khim. no. 4:618-626 '65.  
 Substitution of a proton for a halogen in ferrocene halides. A. N. Nesmelanov and others. Dokl. AN SSSR 161 no. 6:1340-1351 Ap '65.

## DEUTERIUM COMPOUNDS

Polymerization of deuterioethylene on the homogeneous catalytic system (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub> + TiCl<sub>4</sub> + Al(CH<sub>3</sub>)<sub>2</sub>Cl. E. A. Grigorian, F. S. D'achkovskii, A. E. Shilov. Vysokom. soed. 7 no. 1:145-149 Ja '65.  
 Synthesis of 2-deutero-2-propanol. M. M. Aleksankin, E. F. Dar'eva, I. F. Franchuk. Ukr. khim. zhur. 30 no. 6:613-618 '64.

## DEUTERIUM OXIDE—PHYSIOLOGICAL EFFECT

Effect of D<sub>2</sub>O on physical properties of gluten and wheat dough. A. B. Vakar, A. I. A. Pumpsianaki, L. V. Semenova. Prikl. biokhim. i mikrobiol. 1 no. 1:5-24 Ja-F '65.

## DEUTERONS

Asymmetry of the angular distribution of the products of the reaction Si<sup>28</sup>(d, d)Si<sup>28</sup> with polarized deuterons. O. I. Mal'ko, M. V. Pasichnyk, L. S. Saltykov. Ukr. fiz. zhur. 10 no. 4:452-453 Ja '65.  
 Distribution of the masses and kinetic energies of fragments in the fission of Th<sup>232</sup> by 12 Mev. deuterons. I. U. A. Nemilov and others. IAD, fiz. 1 no. 4:633-638 Ap '65.

## DEXTRAN—PHYSIOLOGICAL EFFECT

Severe anaphylactic reaction to polyglucin infusions. N. G. Kilimnik. Vest. khir. 94 no. 2:112 F '65.

## DIA BASE see subdivision under Karamurgay Valley

## DIABETES

Activity of cholinesterase in the blood serum in dogs in experimental diabetes. A. A. Fokina. Pat. fiziol. i eksp. terap. 9 no. 2:75-76 Mr-Ap '65.

Diabetes and pregnancy. M. K. Makhmudbekova. Azerb. med. zhur. 42 no. 1:15-21 Ja '65.

Formation of insulin and problems of the pathogenesis of diabetes mellitus; survey of the literature. L. L. Liberman. Probl. endok. i gorm. 11 no. 1:119-127 Ja-F '65.

## DIA BETES—COMPLICATIONS AND SEQUELAE

Pathological anatomy of diabetic glomerulosclerosis. N. V. Boikova. Arkh. pat. 26 no. 12:8-14 '64.

## DIA GNOSIS

Analysis of erroneous diagnoses of the initial periods of schizophrenia. I. U. V. Kirakosov. Vop. klin. i psich. i lech. shiz. no. 1:69-82 '64.



# DIES (METALWORKING) (Continued)

- Morozov, A. P. [Making dies for forging] Izgotovlenie shtampov dlia goruchei shtampovki. Moskva, Mashinostroenie, 1965. 183 p.
- Multiple stamping with interchangeable dies. A. S. Zait's, G. Kh. Oks, P. A. L'vov. Mashinostroitel' no. 6:32-34 My '65.
- Muramovich, G. L. [Experience in introducing and using universal blocks, die sets, and accessory tools for the group die stamping of parts] Opyt vnedrenia i ekspluatatsii universal'nykh blokov, paketykh stampov i soderzhimye mekhanizatsii dlia gruppovoi shtampovki detalей. Leningrad, 1965. 24 p. (Leningradskii dom nauchno-tekhnicheskoi prirogandy. Proizvodstvennyi opyt. Seriya Goriachina i khilodnaya obrabotka metallov davleniem)
- Permissible deflection of lower stamping dies. S. M. Khmura. A. A. Kotomofsev. Kuz'-shant, proizv. 7 no. 1:27-28 Ja '65.
- Race against a timer. E. Salimov. Izobr. i rats. no. 3:27-28 '65.

# DIES (METALWORKING)—COOLING

- Heat erosion resistance and deformation of 3 KhGS steel during various methods of cooling. D. M. Korneev, G. V. Smirnov. Izv. vyz. ucheb. zav., chein met. 8 no. 5:124-125 '65.

# DIESEL ENGINES

- Automatic line for machining the plungers of the SMD-14 diesel engine. M. I. A. Zlatopel'skii. Trakt. i sel'khoz-mash. no. 4:43-45 Ap '65.
- Hydrodynamic systems for the lubrication of 2D100 diesel engine bearings. S. M. Zakharov. Vest. TSNII MPS 24 no. 2:25-28 '65.

# DIESEL ENGINES—COOLING

- Cooling of the pressure charging air in two-cycle diesel locomotive engines. A. I. Volodin. Vest. TSNII MPS 24 no. 2:16-20 '65.
- Thermal conditions and ventilation systems of the traction motors of TE3 diesel locomotives. V. P. Nemukhin. Elek. i tepl. tsiaga 9 no. 3:32-34 Mr '65.

# DIESEL ENGINES—FUEL SYSTEMS

- Eliminating additional fuel injections in engines in case of a high residual pressure in the pressure piping. I. A. Fomin. Izv. vyz. ucheb. zav., mashinost. no. 2:11-116 '65.
- Some characteristics of the heat exchange between fuel and the surrounding medium during fuel injection in diesel engines. M. S. Khovakh, G. M. Kamfer. Izv. vyz. ucheb. zav., mashinost. no. 1:133-136 '65.

# DIESEL ENGINES—LUBRICATION

- Adjusting lubrication systems of the D-20 engine. I. U. Kostin. Tekh. i sel'khoz. 25 no. 4:75-76 Ap '65.
- All-year oil for diesel engines. E. Semenko and others. Avi. transp. 43 no. 4:10-22 Ap '65.
- Full-flowing centrifuge for the SMD series of diesel engines. A. I. A. Khosin. Trakt. i sel'khoz-mash. no. 1:15-17 Ap '65.
- Studying the work and regulation of the lubrication system units of diesel engines. F. M. Enikeev, D. T. Pogrebniak. Trudy Oren. sel'khoz. inst. 14:45-54 '63.
- Testing the oil pump of the SMD-14 engine. K. Pokkine. Tekh. i sel'khoz. 25 no. 4:76-77 Ap '65.

# DIESEL ENGINES—MAINTENANCE AND REPAIR

- Exchange of the starting resistance on series D diesel trains. Kh. S. Faizullaev, T. I. Zor'kina, N. N. Lopatin. Elek. i tepl. tsiaga 9 no. 3:11-12 Mr '65.

# DIESEL FUELS—ADDITIVES

- Technological factors affecting the efficiency of centrifugation and the quality of VNIINP-70 additive. A. M. Bugalchuk. Neftep. i neftekhim. no. 3:14-17 '65.

# DIESEL LOCOMOTIVES

- (see also subdivision under Japan)
- Characteristics of the design of the modernized M75B diesel engine. A. M. Kalmykov, M. S. Makarov, F. T. Valishev. Elek. i tepl. tsiaga 9 no. 3:26-28 Mr '65.
- Construction of an analog computer for studying the slippage of diesel locomotives. F. A. Domnin. Izv. vyz. ucheb. zav., elektromekh. 8 no. 4:378-392 '65.
- Determination of the expenditure of diesel fuel using a gauge. V. M. Shul'pikov. Elek. i tepl. tsiaga 6 no. 3:24 Mr '62.
- Faulty production techniques as a main cause of the breakdown of important diesel locomotive components. A. N. Mirza. Elek. i tepl. tsiaga 6 no. 3:12-14 Mr '62.
- Improving the utilization of the operative capacity of diesel locomotives. G. F. Bolikovnikov. Zhel. dor. transp. 47 no. 3:52-57 Mi '65.
- Speed-up of the creation of a diesel locomotive mounted electric power plant. M. N. Dubitskii. Puti put. khoz. 9 no. 5:17-18 '65.
- Three-sectional TE3 diesel locomotive. A. N. Konisev, A. F. Karabaev, S. V. Osipov. Elek. i tepl. tsiaga 6 no. 3:25-26 Mr '62.
- DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT
- Concerning some changes in the electric circuit of the main line TE3 diesel locomotives. V. G. Konovalev. Elek. i tepl. tsiaga 9 no. 3:18-21 Mr '65.

- The failure of the diesel locomotive during the trip could have been prevented. I. V. Filipenko. Elek. i tepl. tsiaga 9 no. 3:28-30 Mr '65.
- Improvement of the BM-1A blocking magnet. R. A. Plasin, B. N. Skvaysh. Elek. i tepl. tsiaga 8 no. 3:17 Mr '62.

# DIESEL LOCOMOTIVES—FIRES AND FIRE PREVENTION

- Additional equipment for the fire extinction systems of diesel locomotives. A. K. Karaukhov. Elek. i tepl. tsiaga 9 no. 3:7-8 Mr '65.

# DIESEL LOCOMOTIVES—HYDRAULIC DRIVE

- Bytso, V. A., and V. P. Fedorov. [The TU-4 diesel locomotive with hydraulic transmission] Teplovoy TU-4 s gidromekhanicheskoi peredachei. Moskva, TSenti. nauchno-issl. i in-formatsii i tekhniko-ekon. issledovaniy po teorii, teorii i ekonomicheskoi, derevo-obrabatывaushchei promyshl. i lesnomu khoz., 1964. 19 p. (Lesoskoplutatsiya)

# [MICROFILM]

- Heat emission in a non-transparent hydraulic torque converter during its joint work with the diesel engine. I. A. B. Kudriavtsev. Vest. TSNII MPS 21 no. 2:20-32 '65.

# DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

- Experience in the repair of the VMEI diesel locomotive. A. S. Bol'shegorodskii. Elek. i tepl. tsiaga 6 no. 3:16 Mr '62.
- Our experience in the regulation of the dimension of the connecting rod - piston group in the repair of 2D100 diesel locomotives. G. A. Lukacv. Elek. i tepl. tsiaga 9 no. 3:9-10 Mr '65.

# DIESEL LOCOMOTIVES—TESTING

- Regeneration of current during the rheostatic tests of TE3 diesel locomotives. M. L. Gokhman. Elek. i tepl. tsiaga 9 no. 3:15-16 Mr '65.

# DIET

- Bile formation and bile secretion processes in various alimentary organisms. A. G. Zhelezniyeva. Fiziol. zhur. [Ukr.] 9 no. 1:116-120 Ja-F '63.
- Significance of gastric receptors for a differentiated alimentary behavior. V. G. Kasanil'. Nauch. soob. Inst. fiziol. AN SSSR no. 3:50-63 '65.

# DIET IN DISEASE

- Early fully adequate nutrition for patients following resection of the stomach. V. G. Val'ter, I. F. Chichkov. Vest. khir. 93 no. 12:11-14 D '61.

# DIFFERENTIAL CALCULUS see Calculus, Differential

# DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

# DIFFERENTIAL-DIFFERENCE EQUATIONS

- Estimation of the growth of solutions to partial differential-difference equations of the parabolic type. Z. I. Rekhitskii. Dokl. AN SSSR 162 no. 1:759-762 Je '65.

# DIFFERENTIAL EQUATIONS

- Abstracts of papers accepted by the Moscow Mathematical Society for publication. Usp. mat. nauk 20 no. 2:241-246 Mr-Apr '65.
- Asymptotic behavior of solutions to linear systems with small perturbations. V. M. Milionschikov. Dokl. AN SSSR 162 no. 2:266-268 My '65.
- Calculation of oscillatory modes of certain non-Hamiltonian systems. V. M. Volosov, B. I. Morgunov. Dokl. AN SSSR 161 no. 5:1049-1050 Ap '65.
- Cartan's theorem on Pfaff's system in an involution. L. N. Beskin. Sib. mat. zhur. 6 no. 2:271-283 Mr-Apr '65.
- Classical solution to mixed problems for nonstationary equations. M. I. Briash. Dif. urav. 1 no. 4:523-528 Ap '65.
- Differential equations in nonlinear spaces. K. P. Persidskii. Izv. AN Kazakh SSR. Ser. fiz.-mat. nauk 3 no. 1:10-18 Ja-Apr '65.
- Energy integrals of hyperbolic systems with constant coefficients. L. G. Khazin. Usp. mat. nauk 20 no. 2:207-212 Mr-Apr '65.
- Equations of thread winding on rotating surfaces. E. D. Ertemov. Izv. vyz. ucheb. zav., tekhn. tekst. prom. no. 2:77-81 '65.
- Estimate of a solution to an elliptic equation. V. I. Iudovich. Usp. mat. nauk 20 no. 2:213-218 Mr-Apr '65.
- Estimation of a Green function for the Helmholtz equation in the shadow zone. V. M. Babich. Vest. LGU 20 no. 7:5-15 '65.
- Existence and uniqueness of the periodic solution to n-dimensional autonomous systems. V. V. Korolev. Ukr. mat. zhur. 17 no. 2:47-60 '65.
- Existence of an analytic solution to an elliptic system degenerate in a point. N. K. Bilev. Izv. AN Kazakh SSR. Ser. fiz.-mat. nauk 3 no. 1:98-104 Ja-Apr '65.
- Existence of solutions for a class of equations in variational derivatives. V. V. Baklan. Dop. AN URSSR no. 6:554-556 '65.

- Generalization of the criterion of Liapunov stability for regular systems. B. P. Demidovich. Mat. sbor. 66 no. 3:344-353 Mr '65.
- Gurvits's theorem in the direct method of Liapunov. P. A. Kuz'min. Trudy KAI no. 71:3-11 '62.
- Information on the Samarkand Symposium. I. Kukles. Dif. urav. 1 no. 4:500-563 Ap '65.
- Interpolational parallel-type digital integrating machines with multiple-order increments. O. N. P'yavchenko. Kibernetika no. 2:61-70 Mr-Apr '65.
- Limiting cycles of infinite multiplicity. V. P. Zakharov. Dif. urav. 1 no. 4:464-466 Ap '65.
- A method for the reduction of differential equations. O. M. Holubentsev, V. P. Chyrkin. Dop. AN URSSR no. 4:420-431 '65.
- On a theorem of M. Biernacki. V. A. Fokhlevykh. Dop. AN URSSR no. 4:423-425 '65.
- On the existence of analytical solutions to a degenerating elliptic system. N. Bilev. Vest. AN Kazakh SSR 21 no. 4:74-79 Ap '65.
- "On the theory of almost periodic solutions to ordinary differential equations" (doctor's dissertation of V. Kh. Khirasakhala). K. Braus. Ukr. mat. zhur. 17 no. 2:137-138 '65.
- Periodic and quasi-periodic solutions to certain quasilinear differential equations. D. U. Umberzhonov. Izv. AN Kazakh SSR. Ser. fiz.-mat. nauk 3 no. 1:54-64 Ja-Apr '65.
- Qualitative study of integral curves in the large of isochronous systems of two differential equations. A. P. Vorob'ev. Dif. urav. 1 no. 4:439-441 Ap '65.
- Solution of a system of parabolic differential equations when the characteristic equation has multiple roots. E. I. Kim, V. Kh. Ni. Izv. AN Kazakh SSR. Ser. fiz.-mat. nauk 3 no. 1:19-29 Ja-Apr '65.
- Solution of an equation of infinite order in the uniqueness class. I. U. N. Frolov. Dokl. AN SSSR 161 no. 4:783-784 Ap '65.
- Solution of ordinary differential equations by the separation of a derivative with a product. P. A. Murav'ev. Dif. urav. 1 no. 4:449-463 Ap '65.
- Solution of the problem of the conjugation of functions satisfying the Laplace equation. V. A. Strezhnev. Trudy KAI no. 71:73-77 '62.
- Solvability of a problem for a parabolic system with discontinuous coefficients. L. Zhuravskov. Izv. AN Kazakh SSR. Ser. fiz.-mat. nauk 3 no. 1:30-38 Ja-Apr '65.
- Some characteristics of solutions to an ordinary differential equation of the fourth order. R. G. Aliev. Izv. vyz. ucheb. zav., mat. no. 2:3-6 '65.
- Some properties of solutions to linear difference equations approximating differential equations in a nonoscillation interval. A. L. Tepin. Dif. urav. 1 no. 4:478-493 Ap '65.
- Some theorems on the existence of a periodic solution and determining the boundary of the region of asymptotic stability of the trivial solution to a system of ordinary differential equations. N. N. Vinogradov. Dif. urav. 1 no. 4:442-448 Ap '65.
- Study of an equation of mathematical physics. N. F. Morozov. Trudy LITISBP no. 14:222-223 '64.
- Topological structure of the domains of stability of a self-adjoint system of differential equations with periodic coefficients. V. N. Lidskii, P. A. Frolov. Dokl. AN SSSR 161 no. 4:764-766 Ap '65.
- Tuzov, A. P., ed. [Problems and exercises in ordinary differential equations; a textbook] Zadachi i uprazhneniya po obyknovennym differentsial'nym uravneniyam; uchebnoe posobie. Leningrad, Leningr. in-t tekhn. i mekhaniki i optiki, 1963. 45 p.

# [MICROFILM]

- Uniqueness conditions for a limiting cycle. N. V. Medvedev. Izv. vyz. ucheb. zav., mat. no. 2:99-103 '65.

- Use of the principle of reduction and Liapunov's second method in solving differential equations in Banach spaces. A. A. Khabibullin. Izv. AN Kazakh SSR. Ser. fiz.-mat. nauk 3 no. 1:38-40 Ja-Apr '65.

# DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

- Applying Soldei's method to a certain boundary value problem. R. G. Aliev, A. R. Efendiev. Dokl. AN Azerb. SSR 21 no. 2:3-9 '65.
- Approximate solution of a general conjugation problem occurring among the diffraction problems. L. A. Pastushvili. Soob. AN Gruz. SSR 37 no. 3:535-542 Mr '65.
- Approximate solution of the fundamental biharmonic problem. Guidon Schefer. Soob. AN Gruz. SSR 37 no. 3:527-534 Mr '65.
- Asymptotic formulae for the eigenvalues of an elliptic membrane. N. V. Kuznetsov. Dokl. AN SSSR 161 no. 4:760-763 Ap '65.
- Behavior of solutions to the equations of hydrodynamics when Reynolds numbers exceed the critical value. N. N. Brushlinskaya. Dokl. AN SSSR 162 no. 4:731-734 Je '65.
- A boundary value problem for an elliptic system of differential equations of the second order on a plane. N. E. Tovmasyan. Dokl. AN Arm. SSR 40 no. 2:65-69 '65.

## DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS (Continued)

- A bounded Cauchy problem. L. K. Bul'shcheva. *Izv. AN Kazakh SSR Ser. fiz.-mat. nauk* 3 no. 1 63-71 Ja '65
- Certain Cauchy problems with initial data on the de-generation line. S. F. Khaifullina. *Dokl. AN SSSR* 161 no. 5 1027-1029 Ap '65
- Correct formulation of a nonlinear mixed problem for a wave function on a plane. V. N. Gol'dberg. *IU. I. Neimark. Mat. sbor.* 67 no. 1-16-54 My '65
- Derivation of a complete set of solutions to the homogeneous Dirichlet problem for the equation of string vibrations. R. A. Aleksandrian. *Dokl. AN SSSR* 162 no. 2 247-250 My '65
- Difference method and the uniqueness of a generalized solution to Tricomi's problem. L. I. Kovalenko. *Dokl. AN SSSR* 162 no. 4 751-754 Je '65
- Fundamental solutions to problems correct in a half-space for certain regular equations with multiple characteristics. V. E. Kondrashov. *Sib. mat. zhur.* 6 no. 2 323-341 Mr.-Ap '65
- Hamiltonian type difference equations in dynamics. A. V. Savich. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 20 no. 2: 81-91 Mr.-Ap '65
- Method of bilateral approximation to the solution of Goursat's problem for a general n-wave equation. I. I. Kovach. *Dop. AN URSSR* no. 4 412-415 '65
- Mixed problem for a general hyperbolic equation of the second order on a plane. Z. O. Mel'nyk. *Dop. AN URSSR* no. 4 419-422 '65
- Non-negativity of the index of elliptic normally soluble boundary value problems on a plane. O. I. Panych. *Dop. AN URSSR* no. 5 558-563 '65
- Periodic solutions of the first boundary value problem for parabolic equations. I. I. Shmulev. *Mat. sbor.* 68 no. 3 398-410 Mr '65
- Problem with an initial discontinuity for nonlinear differential equations containing a small parameter. *Izv. AN Kazakh SSR Ser. fiz.-mat. nauk* 3 no. 1 49-53 Ja.-Ap '65
- Study of boundary value problems for a Tricomi equation by methods of the theory of analytic functions. O. M. Lemchinskaya. *Izv. vys. ucheb. zav., mat.* no. 2 91-98 '65
- Theory of the weight classes of differentiable functions of several variables and its applications to boundary value problems for elliptic equations. I. U. S. Nikol'skii. *Dokl. AN SSSR* 162 no. 3 510-512 My '65
- Thermal diffusion in a fan jet. V. P. Kashkarov. *Izv. AN Kazakh SSR Ser. fiz.-mat. nauk* 3 no. 1 82-86 Ja.-Ap '65
- Use of S. A. Chaplygin's method in simple and generalized Cauchy problems for a system of ordinary differential equations. V. S. Blinchevskii. *Izv. AN SSSR Ser. mat.* 29 no. 2 355-378 '65
- Use of the method of differences in solving a generalized Riquier problem. G. I. Sul'khanishvili. *Soob. AN Gruz. SSR* 29 no. 1 3-8 Ji '62

## DIFFERENTIAL EQUATIONS, LINEAR

- Asymptotic behavior of the solutions to a linear differential equation of the nth order with delayed argument. V. I. Logunov. *Dif. urav.* 1 no. 4 467-468 Ap '65
- Phragmén-Lindelöf-type theorems for a linear elliptic equation of the second order. G. N. Blokhina. *Dokl. AN SSSR* 162 no. 4 727-730 Je '65
- A priori estimates for solutions to elliptic and parabolic linear equations of the second order. A. V. Ivanov. *Dokl. AN SSSR* 161 no. 6 1270-1273 Ap '65
- Set of lower exponents of a linear differential system. N. A. Izobov. *Dif. urav.* 1 no. 4 460-477 Ap '65

## DIFFERENTIAL EQUATIONS, NONLINEAR

- Integral representation of the solution of a class of nonlinear differential equations. M. N. Krivtsova. *Ukr. mat. zhur.* 17 no. 2 115-120 '65
- Power asymptotic forms of solutions to nonlinear systems. A. D. Briuno. *Izv. AN SSSR Ser. mat.* 29 no. 2 329-394 '65
- Some characteristics of solutions to nonlinear parabolic equations in Hilbert space. I. A. D. Mamedov. *Dokl. AN SSSR* 161 no. 5 1011-1014 Ap '65

## DIFFERENTIAL EQUATIONS, PARTIAL

- The problem of M-convexity. V. P. Palamodov. *Dokl. AN SSSR* 161 no. 5 1015-1018 Ap '65
- Structure of analytic solutions to a class of systems of linear partial equations with constant coefficients. B. A. Vostretsov. *Dokl. AN SSSR* 161 no. 6 1258-1262 Ap '65

## DIFFERENTIAL GEOMETRY see Geometry, Differential

## DIFFRACTION

- Diffraction of Vavilov-Cherenkov radiation. D. M. Sedrakian. *Opt. i spekt.* 18 no. 3 380-383 Mr '65

## DIFFRACTION—MEASUREMENT

- Automatic diffractometers for studying single crystals. (Review). E. V. Suvorov. *Nauch. trudy TashGU no. 262. Fiz. nauk no. 22 92-102 '64.*

## DIFFRACTION GRATINGS

- Characteristic function for a spherical reflecting diffraction grating. I. V. Felsakhsen, G. G. Faritskaya. *Opt. i spekt.* 18 no. 3 534-535 Mr '65

## DIFFUSERS

- Method of cassette heating in rotary diffusers. V. M. Shumakov. *Khar. prom.* no. 2 51-54 Ap.-Je '65

## DIFFUSION

- Characteristics of the deformation of solid bodies under the combined effect of diffusion and heat conduction. L. O. Sverhunenko. *Dop. AN URSSR* no. 4 460-464 '65
- Chlorine diffusion in PbSe single crystals. N. A. Fedorovich. *Fiz. tsv. tela* 7 no. 5 1594-1595 My '65
- Chronopotentiometric determination of the diffusion coefficients in fused carbonates. N. Kh. Tumanova. *Ukr. khim. zhur.* 30 no. 6 648-649 '64
- Diffusion in a binary molybdenum-tungsten alloy. D. F. Kalinovich, I. I. Kovenskii, M. D. Smolin. *Porosh. met.* 5 no. 4 79-82 Ap '65
- Diffusion in the system polyisobutylene - solvents studied by the interferential micromethod. A. E. Chalykh, R. M. Vasev. *Dokl. AN SSSR* 161 no. 5 1145-1148 Ap '65
- Diffusion of trivalent molybdenum in a medium of fused alkali metal chlorides. M. V. Smirnov, O. A. Ryzhik, G. N. Kazantsev. *Elektrokhimiya* 1 no. 1 59-62 Ja '65
- Effect of cadmium on the intercrystalline self-diffusion of silver. T. K. Iatsenko. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20 165-170 '64
- Nickel diffusion in niobium. T. K. Iatsenko, L. F. Chernia. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 19 183-186 '64
- Nonsteady diffusion flow toward a moving droplet at low Re numbers. V. V. Dil'man. *Inzh.-fiz. zhur.* 8 no. 3: 319-324 Mr '65
- Particular characteristics of the diffusion of iron ions in molten aluminosilicates. E. A. Pastukhov, O. A. Esin, S. K. Chuchmarev. *Elektrokhimiya* 1 no. 1 78-83 Ja '65
- Role of the gaseous phase with diffusion of phosphorus in molten oxides. V. A. Grigorin, B. S. Bokaitein, L. B. Bodrelova. *Izv. vys. ucheb. zav., Chern. met.* 8 no. 6 9-11 '65
- Silver and sodium diffusion in lead selenide. N. A. Fedorovich. *Fiz. tsv. tela* 7 no. 5 1593-1594 My '65
- Thermal motions in living protoplasm. N. A. Mal'tsev. *Izvestia* 54 no. 4 78-80 Ap '65

## DIFFUSION COATINGS

- Enamel base protective coatings for structures. L. D. Svirskii, A. D. Ponomarenko. *Tsvet. met.* 38 no. 4 87 Ap '65
- ScREW dislocations in diffusion layers. N. M. Davidovich. V. A. Dorin. *Fiz. met. i metalloved.* 19 no. 4 620-627 Ap '65

## DIGESTION

- Methods of gastric resection insuring food passage through the duodenum. A. A. Shalimov. *Vest. khir.* 94 no. 2 109-112 F '65

## DIGESTIVE ENZYMES

- Aspergillus candidus* as producer of abdominal enzymes. L. A. Veselov, D. I. A. Tipograf, T. A. Petina, P. I. K. biokhim. i mikrobiol. 1 no. 1 52-56 Ja.-F '65
- Determination of intestinal alkaline phosphatase. L. S. Pamina. *Sovr. metod v biokhim.* 1 202-208 '64
- Effect of prolonged loss of the bile on the activity of some enzymes in chyme. U. Z. Kadyrov. *Uzb. biol. zhur.* 9 no. 2 42-44 '65

## DIGESTIVE ORGANS

- Participation of digestive organs in the regulation of water-electrolyte metabolism under various thermal conditions. A. U. Iunusov, E. S. Belova. *Fiziol. zhur.* 51 no. 3 378-383 Mr '65

## DIGITOXIGENIN

- Transformation of digitoxigenin by various fungus species of *Aspergillus* and *Fusarium* genera. P. I. Hvozdiak. *Mikrobiol. zhur.* 26 no. 3 18-21 '64

## DIKES (GEOLOGY)

- (See also subdivision under Kazakhstan)
- Mechanism of the formation of dikes of complex structure. V. K. Denisenko. *Dokl. AN SSSR* 162 no. 3 664-666 My '65

## DILATOMETRY

- Determining the concentration of nonequilibrium vacancies in metals by the dilatometric method. V. S. Kapan'. *Fiz. met. i metalloved.* 18 no. 4 560-578 Ap '65
- Electric properties and volumetric effects in the field of the Neel temperature in alloys of chromium with transition metals. A. K. Butylenko, V. N. Gridnev. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 19 116-126 '64
- Methods of investigating small volumetric changes. L. N. Larikov, I. F. Urchenko. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20 181-187 '64

## DIODES, SEMICONDUCTOR

- Impurity recombination radiation from indium-doped n-silicon. I. A. C. Pokrovskii, K. I. Sviatunova. *Fiz. tsv. tela* 7 no. 5 1579-1581 My '65

[Physical principles of the operation of semiconductor microwave diodes] *Fizicheskie osnovy raboty poluprovodnikovykh SVCh diodov.* [By] S. N. Ivanov i dr. Moskva, Sovetskoe radio, 1965. 190 p.

- Using silicon diodes for the overload protection of frequency meters. A. V. Donskoi, V. V. Volodin. *Izv. vys. ucheb. zav., prib.* 8 no. 2 36-41 '65

## DIODES, SEMICONDUCTOR—NOISE

- Noises in diodes with nonlinear capacitance. I. B. Kornblev. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 20 no. 2: 20-29 Mr.-Ap '65

## DIOXOLANE

- Kinetics of dioxolane polymerization. M. Kuchera, I. U. Pikhler. *Vysokom. soed.* 7 no. 1 3-9 Ja '65
- Polymerization of dioxolane at various temperatures. M. Kuchera, I. U. Pikhler. *Vysokom. soed.* 7 no. 1 10-15 Ja '65

## DIPHTHERIA see subdivision under TdHnn

## DIPHTHERIA—PREVENTION

- Treating chronic carriers of diphtheria bacilli with antibiotics and vitamin C. Z. V. E. mol'eva, N. A. Pasternak. *Trudy TSU* 68 131-135 '64

## DIPHTHERIA—PREVENTIVE INOCULATION

- Study on the possibility of reducing the diphtheria vaccine dose in revaccination of 0 to 12 year-old schoolchildren. I. M. Fuka and others. *Zhur. mikrobiol., epid. i immun.* 41 no. 11 103-107 N '64

## DIPHTHERIA ANTITOXIN

- Correlation of the indices of immunological changes in the animal organism under the effect of immunization with staphylococcal and diphtheria antitoxins. Report No. 2. A. V. Lizgunova. *Zhur. mikrobiol., epid. i immun.* 41 no. 10 77-80 '64
- Immunochemical study of purified diphtheria antitoxin. A. Ch. Polikar, N. I. Apanashchenko. *Zhur. mikrobiol., epid. i immun.* 41 no. 11 40-43 N '64

- Secondary immunological response: study on the dynamics of the manifestation and morphology of antibody-containing cells using the indirect Coombs' method. K. A. Lebedev. *Ark. pat.* 27 no. 5 30-35 '65

## DIPOLE MOMENTS

- Diffraction of electromagnetic waves emitted by an electric dipole on two discs with a common axis of rotation. E. A. Ivanov. *Dif. urav.* 1 no. 4 520-534 Ap '65
- Effect of surface oscillations in strongly deformed nuclei on the character of their dipole excitation. S. E. Samenko. *IAD, fiz.* 1 no. 3 414-419 Mr '65

## DIPTYCHOCARPUS

- Carpology of *Diptychocarpus strictus* (Fisch.) Trautv. as related to heterocarpy. V. E. Avetisyan, V. A. Manakian. *Izv. AN Arin. SSR, Biol. nauki* 10 no. 2: 47-55 F '65

## DIRECT CURRENT ELECTRIC MOTORS see Electric motors, Direct current

## DIRICHLET'S SERIES see Series, Dirichlet's

## DISABILITY EVALUATION

- (See also subdivision under Moscow; Novosibirsk Province)
- Case history and its significance in military medical expertise. S. F. Glebor. *Voen.-med. zhur.* no. 8 40-44 '64
- Clinical aspects of psychopathologic manifestations during the course of schizophrenia in the light of the problems of social and work readaptation. A. V. Grossman. *Vop. klin., patog. i lech. shiz.* no. 1 30-33 '64
- Diagnosis and expertise in late sequelae of closed cerebral traumas. V. V. Utkin. *Voen.-med. zhur.* no. 8 48-51 '64
- Diagnosis and expertise of patients with some gastric and duodenal diseases. A. M. Zybov, K. V. Zybin. *Voen.-med. zhur.* no. 9 37-42 '64
- Diagnosis of the sequelae of a closed cerebral trauma in military medical expertise. V. A. Baronov. *Voen.-med. zhur.* no. 8 44-48 '64
- Dispensary treatment and expert examination of servicemen following Botkin's disease. K. A. Popov, A. K. Sverdlov. *Voen.-med. zhur.* no. 11 20-22 '64
- Expertise in psychopathy considering its clinical forms. M. D. Shpatserman, Z. G. Epshtein. *Voen.-med. zhur.* no. 8 51-54 '64
- Final medical expert conclusions in furloughing of servicemen with sequelae of fractures. M. I. Stoliarov. *Voen.-med. zhur.* no. 8 42-44 '64
- Important tasks of military medical expertise. *Voen.-med. zhur.* no. 9 8-9 '64

## DISABILITY EVALUATION (Continued)

- Indications for the use of drug-induced exclusion of the accommodation in the practice of military medical expertise. L. M. Rel'. Voen.-med. zhur. no. 8:57-59 '64.
- Medical expertise of flight personnel with Wolff-Parkinson-White syndrome. A. I. Desiatov. Voen.-med. zhur. no. 8:68-71 '64.
- Military medical expert examination of servicemen with respiratory diseases of noninfectious etiology. A. S. Fedorenko. Voen.-med. zhur. no. 8:54-56 '64.
- Prevention, diagnosis and expert examination of rheumatic fever and heart defects in young servicemen. L. D. Karpilovskii. Voen.-med. zhur. no. 11:27-30 '64.
- Some problems of primary invalidity following traumas of the locomotor apparatus, based on materials of the Saratov Medical Expert Commission on Work Ability. M. Z. Teitelbaum. Ottop, travm. i protez. 26 no. 2, 46-50 F '65.

## DISACCHARIDES

- Synthesis of disaccharides. N. K. Kochetkov, A. I. A. Khorlin, A. F. Bochkov. Dokl. AN SSSR 162 no. 1: 104-107 My '65.

## DISARMAMENT

- Conference in Diefbergen. P. Sokolovskii. Zhur. Mosk. Patri. no. 5:44-45 '65.

## DISCIPLINE, LABOR see Labor discipline

## DISEASES—CAUSES AND THEORIES OF CAUSATION

- Clinical characteristics of schizophrenia originated in connection with psychogenesis. N. P. Dement'eva. Vop. klin., patol. i lech. shiz. no. 1:41-43 '64.

## DISEASES, MENTAL see Mental illness

## DISINFECTION AND DISINFECTANTS

- Disinfection and disinsection of large buildings with the mobile spraying machine of the Central Scientific Research Institute of Disinfection. B. P. Fedlaev. Voen.-med. zhur. no. 9:49-52 '64.

- Disinfection in virus diseases; a review of literature. B. L. Shura-Bura, M. A. Zolotarevskii. Voen.-med. zhur. no. 11:45-49 '64.

- Disinfection of the mixture of mold fungi cultures used in mash saccharification. D. M. Makeev. Ferm. i spir. prom. 31 no. 4:12-14 '65.

- New disinfection preparations. N. N. Mel'nikov, B. A. Khaikin, K. D. Shvetsova-Shilovskaya. Khim. v sel'. khoz. 3 no. 3:60-62 Mr '65.

- Tsellin, V. M., and V. A. Vilkovich. [Physicochemical factors of disinfection] Fiziko-khimicheskie faktory dezinfektsii. Moskva, Meditsina, 1965 236 p. (DNL)

## DISKS, ROTATING

- Gyroscopic moment of a disk. M. M. Afanas'ev. Vest. mashinost. 45 no. 4:33-35 Ap '65.

## DISKS, ROTATING—THERMAL PROPERTIES

- Heat transfer of a disk rotating in a housing. V. M. Kapinos. Izv. vys. ucheb. zav. i av. tekhn. 8 no. 2:76-80 '65.

## DISLOCATIONS IN CRYSTALS

- Interaction between a crack and dislocation boundaries. V. M. Finkel' and others. Fiz. tver. tela 7 no. 5:1402-1412 My '65.
- Scattering of the energy of a moving dislocation on heavy impurity atoms. B. I. A. Liubov, G. M. Chernizer. Dokl. AN SSSR 161 no. 6:1324-1327 Ap '65.
- Surface treatment and detection of dislocations in samples of the system HgTe—CdTe. H. M. Hryhorovych. Ukr. fiz. zhur. 10 no. 4:450-451 Ap '65.
- Theory of steady nonconservative motion of a dislocation. A. L. Roltburd. Fiz. tver. tela 7 no. 5:1349-1351 My '65.
- Use of the theory of dislocations in studying friction and the wear of silicon carbide and corundum single crystals. M. I. Bohomolov, L. M. Novikova. Dop. AN URSR no. 5:577-579 '65.

## DISLOCATIONS IN METALS

- Conditions for the transition from slip to twinning. A. S. Drachinskii, V. F. Molisev, V. I. Treilov. Fiz. met. i metalloved. 10 no. 4:802-811 Ap '65.
- Detachment of a split dislocation from the Suzuki atmosphere. L. E. Popov, V. E. Panin. Fiz. met. i metalloved. 10 no. 4:824-828 Ap '65.
- Effect of changes in the density of dislocations during deformation and annealing on the magnetic characteristics of nickel. I. A. Dekhtiar, V. V. Polotniuk. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 20:67-79 '64.
- Effect of disperse inclusions on the stress-strain strength of nickel and of nickel-aluminum alloys. V. P. Blitni and others. Izv. vys. ucheb. zav. i Chern. met. 8 no. 5:120-132 '65.
- Investigating the process of etching dislocations in antimony crystals. L. M. Solter. Zashch. met. 1 no. 1:28-35 Ja-F '65.
- Nature of the "yield tooth." I. V. Mil'man, V. I. Treilov. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 18:48-50 '64.

- Screw dislocations in diffusion layers. N. M. Davidovich, V. A. Dorin. Fiz. met. i metalloved. 10 no. 4:626-627 Ap '65.

- Studying the background in single crystals of antimony. L. M. Solter, Z. A. Shchegoleva. Fiz. met. i metalloved. 10 no. 1:637-640 Ap '65.
- Theory of X-ray scattering by crystals with a body-centered cubic lattice containing chaotically distributed rectilinear dislocations. K. P. Rjaboshapka. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 19:18-27 '64.
- Theory of X-ray scattering by crystals with a face-centered cubic lattice containing a chaotic distribution of dislocation loops. K. P. Rjaboshapka. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 19:3-18 '64.

- DISMISSAL AND NONSUIT see subdivision under Tajikistan

- DISMISSAL OF EMPLOYEES see Employees, Dismissal of

- DISORDERED LOCOMOTION see Locomotion, Disordered

- DISORDERLY CONDUCT see subdivision under Kerkh, Syktyvkar

- DISORDERS OF METABOLISM see Metabolism, Disorders of

- DISORDERS OF SPEECH see Speech, Disorders of

## DISPERSION

- Akademii nauk BSSR, Minsk. Institut teplo- i massoobmena. [Heat and mass exchange in dispersion systems] Teplo- i massoobmen v dispersnykh sistemakh. Minsk, Nauka i tekhnika, 1965 175 p.

- DISPERSION ANALYSIS see Particle size determination

## DISPLAY OF MERCHANDISE

- Commerce needs efficient advertising. I. U. Khachaturov. Sov. potreb. koop. 9 no. 4:33-35 Ap '65.

- DISSERTATIONS, ACADEMIC—BIBLIOGRAPHY see Bibliography—Dissertations, Academic

## DISSOCIATION

- Correlation of the dissociation constants of carboxylic acids  $R\text{COOH}$  and  $\text{Tat}'s \alpha'$ -constants with the nuclear quadrupole resonance frequencies of halogens in RHal-type compounds. E. N. Tsvetkov and others. Dokl. AN SSSR 161 no. 5:1102-1105 Ap '65.

- Dissociation of Listeria. L. A. Ponomareva. Zhur. mikrobiol., epid. i immun. 11 no. 11:70-85 N '64.

- Population inversion brought about by thermal dissociation of molecules in a shock wave. A. N. Graevskii. Zhur. eksp. i teor. fiz. 48 no. 4:1150-1154 Ap '65.

## DISTANCE GEOMETRY

- Deformation of metric spaces and some associated problems in the theory of functions. A. F. Timan. Usp. mat. nauk 20 no. 2:53-87 Mr-Ap '65.

## DISTANCES—MEASUREMENT

- First group of particular parallaxic schemes and formulae of indirect distance measuring methods. O. S. Maker. Dop. AN URSR no. 4:488-493 '65.

## DETEMPER—MICROBIOLOGY

- Some biological characteristics of the virus of canine distemper. I. G. Grinets, E. I. Skallinskii, I. U. F. Borisovich. Vop. vol. virus. 1:533-553 '64.

## DESTILLATION

- Colorimetric method for determining unfermented carbohydrates in fermented beer. S. V. Solov'eva. Ferm. i spir. prom. 31 no. 1:38-39 '65.
- Comparative composition of crude alcohol obtained from the saccharification of mash with malt and by a mold fungi culture. V. P. Griznov. Ferm. i spir. prom. 31 no. 1:24-25 '65.
- Experience in the use of sterilization and distillation equipment under field conditions. G. V. Shakhovenko, V. L. Bondarenko. Voen.-med. zhur. no. 11:65-67 '64.
- Flow sheet for sugar beet processing to alcohol. B. A. Ustinikov, M. K. Brigadenko, R. S. Mastechkina. Ferm. i spir. prom. 31 no. 1:14-17 '65.
- Investigating the precooling methods of potato starch. M. G. Stollar. Izv. vys. ucheb. zav. i pisheh. tekhn. no. 1:61-65 '65.
- Measures for the elimination of disturbances in the stillage of fermented mash from starchy raw materials. F. A. Khasanovskiy. Khar. prom. no. 2:22-23 Ap-Jo '65.
- Method of water- and heat treatment of corn. I. S. Akimenko and others. Ferm. i spir. prom. 31 no. 3:36-37 '65.
- Selecting pure yeast cultures for alcohol distillation with their utilization for bread making. K. A. Kirova. Izv. vys. ucheb. zav. i pisheh. tekhn. no. 1:68-70 '65.
- Simplified method for the control of continuous distillation of high-molecular alcohols. V. M. Pedias, I. I. Krichevskaya. Mashzhit. prom. 31 no. 4:26-27 Ap '65.

## DESTILLATION, FRACTIONAL

- Distillation under nonadiabatic conditions. V. A. Kaminskii. Soob. AN Gruz. SSR 25 no. 5:520-534 My '62.

- Distribution of the components of a composite mixture under the work conditions of rectification. D. D. Zykov. Trudy MIKHM 26:50-59 '64.

- Operation of an azeotropic distillation unit. D. M. Slavinskii. Neftep. i neftekhim. no. 4:17-20 '65.

## DESTILLATION APPARATUS

- Production of food quality ethyl alcohol and methanol meeting the requirements of the state standard 2222-54. M. A. Zinina. Gidroliz i lesokhim. prom. 18 no. 2:10-23 '65.

## DESTILLATION APPARATUS—DYNAMICS

- Mandel'shteyn, M. L. [Dynamic characteristics of rectifying stills] Dinamicheskie kharakteristiki bragorekhtifitsionnogo apparata. Moskva, Tsentr. i nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 16 p. (Tekhnicheskaya informatsiya)

[MICROFILM]

## DESTILLERIES—EQUIPMENT AND SUPPLIES

- Return container receiving and counting system. K. I. Andreev. Ferm. i spir. prom. 31 no. 4:20-22 '65.

## DESTILLERIES—MANAGEMENT

- Organizational chart of a distillery. P. A. Chataiskii. Ferm. i spir. prom. 31 no. 4:23-27 '65.

## DESTILLERY BY-PRODUCTS

- Composition of the biomass forming during methane fermentation of the distiller's waste. E. D. Mikhlin, G. A. Prokoshova. Prikl. biokhim. i mikrobiol. 1 no. 1:45-48 Ja-F '64.

- Experiment in industrial production of the fodder concentrate of vitamin B12. A. I. Skiriatymenskii and others. Ferm. i spir. prom. 31 no. 1:28-31 '65.

- Norms for the number of workers in the starch, carbon dioxide, biocyanin and amylase production in distilleries. V. T. Kopytin, E. V. Molostov. Ferm. i spir. prom. 31 no. 3:27-30 '65.

- DESTILLERY BY-PRODUCTS—PIPELINES see subdivision under Tulgar (Alma-Ata Province)

## DESTILLING INDUSTRIES

- (see also subdivision under Lohvitsa, Ukraine; Ukraine)

- Material incentive for leading distillery workers. N. N. Provov. Ferm. i spir. prom. 31 no. 4:24-25 '65.

- Put into practice the resolutions of the All-Union Scientific and Technical Conference of the Representatives of the Fermentation, Distilling, Liqueur-Vodka, and Acetone-Dutyl Industries. Ferm. i spir. prom. 31 no. 4:1-3 '65.

- Working-out the plan for the development of the fermentation and distilling industries for 1966. Ferm. i spir. prom. 31 no. 1:1-4 '65.

## DESTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES

- (see also subdivision under Vinitsa)
- Introducing tubular units for growing mold fungi in distilleries. A. V. Solov'ev. Ferm. i spir. prom. 31 no. 1:37-38 '65.

## DESTILLING INDUSTRIES—INDUSTRIAL CAPACITY

- Utilization of the industrial capacity of the existing production base of the distilling industry. A. V. Petkov. Ferm. i spir. prom. 31 no. 3:30-31 '65.

## DESTILLING INDUSTRIES—LABOR PRODUCTIVITY

- Problems of labor productivity accounting in case of the complete processing of molasses in distilleries. V. N. Rybachuk. Ferm. i spir. prom. 31 no. 3:24-27 '65.

## DESTILLING INDUSTRIES—MANAGEMENT

- Is there a need for a four-brigade shift system in distilleries? A. I. Kuzovkov. Ferm. i spir. prom. 31 no. 4:45 '65.

## DESTILLING INDUSTRIES—PRODUCTION STANDARDS

- Norms for the number of workers in the starch, carbon dioxide, biocyanin and amylase production in distilleries. V. T. Kopytin, E. V. Molostov. Ferm. i spir. prom. 31 no. 3:27-30 '65.

## DESTILLING INDUSTRIES—TECHNOLOGICAL INNOVATIONS

- (see also subdivision under Lvov)

- Continuation of the activities of the public inspection campaign. V. I. Draliuk. Ferm. i spir. prom. 31 no. 4:39 '65.

- Introduction of improvements and suggestions made by efficiency promoters. M. I. Savchuk, B. P. Severov. Ferm. i spir. prom. 31 no. 1:39-41 '65.

## DISTRIBUTION (PROBABILITY THEORY)

- Characteristic coefficients of random distributions. O. V. Sarmanov. Dokl. AN SSSR 162 no. 2:251-254 My '65.

- Limiting distribution for additive functionals of a sequence of sums of independent equally distributed lattice random variables. A. V. Skorokhod, N. P. Slobodniuk. Ukr. mat. zhur. 12 no. 2:97-105 '65.



## DISULFIDE GROUP

Reduction of disulfide bonds in inactivated hog pepsin.  
E. D. Levin, T. S. A. Egorov, V. M. Stepanov. *Izv. AN SSSR Ser. Khim.* no. 5 825-829 '65

## DIURESIS AND DIURETICS

Materials on comparative evaluation of modern diuretics  
A. K. Merzon, T. N. Kas'ianova. *Sov. med.* 28 no. 5 102-110 My '65

## DIVING

Changes in the morphological composition of the blood in underwater submersions of athletes. V. I. F. S. yotina. *Fiziol. zhur. [Ukr.]* 9 no. 1, 77-81 Ja-F '63

Incidence of decompression sickness in shallow waters  
G. N. Klimtsevich. *Voen.-med. zhur.* no. 9 62-64 '64

## DIVING, SUBMARINE

Aspiration. E. Nazarov. *Voen. znani.* 41 no. 3-4-45 Mr '65

Problems of underwater sports. A. Silusarev. *Voen. znani.* 41 no. 5-45 My '65

This disturbs us. V. Khokhlov. *Voen. znani.* 41 no. 3-42 Mr '65

## DIVISION OF LABOR

All-round development of the economies and the international division of labor. K. Mikul'skii. *Kommunist* 42 no. 8-82-89 My '65

Problem of the communal division of labor. V. Kornilenko. *Ekon. Rad. Ukr.* 8 no. 4-70-76 Ap '65

## DIVISION OF LABOR—MATHEMATICAL MODELS

Statistical model of the social division of labor. V. S. Nemchinov. *Ekon. i mat. metod.* 1 no. 1-5-35 Ja-F '65

## DNEPRODZERZHINSK—TRANSPORTATION, AUTOMOTIVE

Mixed crews at the construction of the Dneprodzerzhinsk Hydroelectric Power Station. A. Mal'tseva. *Aviatsiia* 43 no. 4-9-10 Ap '65

## DNEPRODZERZHINSK HYDROELECTRIC POWER STATION

Mixed crews at the construction of the Dneprodzerzhinsk Hydroelectric Power Station. A. Mal'tseva. *Aviatsiia* 43 no. 4-9-10 Ap '65

## DNEPROPETROVSK—CANNING INDUSTRY

Seminar of the representatives of the canning, dried vegetable, and food concentrate industry in Dnepropetrovsk. *Kons. i ov. prom.* 20 no. 5-44 My '65

## DNEPROPETROVSK—COMRADES COURTS

Sessions of the comrades courts. O. Rozhkov. *Rad. pravo* 28 no. 3-37-39 My-Je '65

## DNEPROPETROVSK—ENGINEERING RESEARCH

Scientific program of the Dnepropetrovsk Branch of the Institute of Mechanics of the Academy of Sciences of the Ukrainian S. S. R. *Dop. AN URSSR* no. 4-5-12 '65

## DNEPER ECONOMIC REGION—WAGES—PIPE INDUSTRY

Conclusions and suggestions. V. Reshetniak. *Sots. trud* 10 no. 2-8-13 '65

## DNEPER ECONOMIC REGION—WAGES—STEEL INDUSTRY

Conclusions and suggestions. V. Reshetniak. *Sots. trud* 10 no. 2-8-13 '65

## DNEPER VALLEY—MOLLUSKS, FOSSIL

Find of *Aralocardia abichiana* Roman in the Upper Eocene formations of the middle Dnieper Valley. O. I. Korobkov, I. U. I. Selin. *Dop. AN URSSR* no. 4-504-507 '65

## DNEPER VALLEY—OAK

Types and associations of oak forests in the floodplain of the Dnieper River. I. A. A. Sidanovich. *Vestst. AN BSSR Ser. Biol. nav.* no. 1 21-26 '65

## DNEPER VALLEY—PLACER DEPOSITS

Titanium minerals from one of the placers in the Dnieper Valley. M. G. Diadchenko, S. N. Tsybmal. *Min. sbor.* 18 no. 2-181-187 '64

## DNEPER VALLEY—TITANIUM ORES

Titanium minerals from one of the placers in the Dnieper Valley. M. G. Diadchenko, S. N. Tsybmal. *Min. sbor.* 18 no. 2-181-187 '64

## DNEPER VALLEY—VERMICULITE

Expanding the vermiculites of the Ukrainian Shield. G. I. Turkevich. *Min. sbor.* 18 no. 1-94-96 '64

## DNESTER VALLEY—HYDROMICA

Hydromineral of cupreous substances in the Dniester Valley. N. K. Gorenchuk. *Min. sbor.* 18 no. 2-122-231 '64

## DNESTER VALLEY—RUNOFF

Mudflows in the Dniester Valley of Podolia. N. Demediuk. *Geog. sbor. L'vov. old. Geog. ob-va SSSR* no. 8-131-132 '64

## DOBROLUBOV, NIKOLAI ALEKSANDROVICH, 1880-1861

N. A. Dobrolubov on the national character of the literary language. V. I. Petrovskii. *Visnyk L'viv. un. Ser. filol.* no. 1-104-107 '63

## DOCK HANDS see Longshoremen

## DOCUMENTARY MOTION PICTURES see Motion pictures, Documentary

## DODECANE

Combined process of alcohol sulfation and dodecyl benzene sulfonation. I. S. Sukhoterina, I. G. Agranovich. *Maslozhiz. prom.* 91 no. 3-39 Mr '65

## DOG SHOWS

The Seventeenth All-Union Dog Show. F. Lushkov. *Voen. znani.* 41 no. 5-47 My '65

## DOGS—BEHAVIOR

Behavior of animals as the expression of the reaction of the nervous system to the effect of conditioned stimulants. Based on experimental data on retarded motor reflexes in dogs. D. A. Chebykin. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3-167-170 '65

## DOLENKO, GRIGORI IL'ICH, 1886-1904

Grigori Il'ich Dolenko; an obituary. I. S. Rabochev and others. *Izv. AN Turk. SSR. Ser. biol. nauk* no. 1-89-100 '65

Grigori Il'ich Dolenko, an obituary. L. N. Paletskaia and others. *Pochvovedenie* no. 5-119-120 My '65

## DOLPHINS

Can dolphins speak? A. L. Ivanchenko, A. G. Tomilin. *Priroda* 54 no. 1-106-107 Ap '65

## DOMAIN STRUCTURE

Block walls of alternating polarity in thin ferromagnetic films. O. A. Vinogradov. *Izv. AN SSSR. Ser. fiz.* 29 no. 4-702-705 Ap '65

Coupled oscillations of electronic and magnetic subsystems in ferromagnetic materials. Part 1. Magneto-uniaxial single-domain ferromagnetic. L. G. Onoprienko. *Fiz. met. i metallofiz.* 19 no. 4-481-488 Ap '65

Domain structure in a magnetite single crystal. Change in the domain structure due to an exterior magnetic field. A. A. Bogdanov, A. I. Vlasov. *Izv. AN SSSR. Fiz. zem.* no. 1-49-59 '65

Electron microscopy of the domain structure of thin films. S. N. Kaverina, G. I. Levin. *Sboi. nauch. trud. Inst. metallofiz. AN URSSR* no. 10-132-135 '64

Polarity of block walls in thin ferromagnetic films. A. G. Shishkov. *Izv. AN SSSR. Ser. fiz.* 20 no. 4-690-701 Ap '65

Polarity of interdomain boundaries of ferromagnetic films. V. A. Buravskii, V. G. Kazakov. *Izv. AN SSSR. Ser. fiz.* 29 no. 4-655-658 Ap '65

Temperature dependence of the domain structure of thin ferromagnetic films. V. A. Buravskii, V. I. Popov. *Izv. AN SSSR. Ser. fiz.* 29 no. 4-682-683 Ap '65

## DOMESTIC ANIMALS

Merkur'eva, E. K. [Biometry in stockbreeding]. *Biometrika v zhivotnovodstve*. Moskva, Kolos, 1964. 310 p. (DNAL)

## DOMESTIC ANIMALS—DISEASES AND PESTS see sub-division under Azerbaijan

## DOMESTIC ANIMALS—PARASITES see Parasites—Domestic animals

## DOMESTIC ANIMALS, EFFECT OF RADIOACTIVITY ON

Belov, E. M., and V. T. Kruglov. [Protecting farm animals and plants against radioactive dust; safety manual for collective farm chairmen, state farm directors, field crew foremen, and farm managers]. *Zashchita sel'skokhoziaistvennykh zhitvolnykh i rastenii ot radioaktivnoi pyli; pamiatka dlia predsedatelei kolchozov, direktorov sovkhovov, brigadirov i upravliaushchikh fermami*. Moskva, Kolos, 1964. 10 p. (DNAL)

## DOMESTIC ANIMALS AS CARRIERS OF DISEASE

Domestic animals as the origin of leptospirosis in Dagestan. E. N. Gorenchuk. *Zhur. mikrobiol., epid. i immunit.* 41 no. 10-120-125 '64

## DOMESTIC EDUCATION

Does a child need a guide? V. Detnichenko. *Doshk. voosp.* 38 no. 1-35-38 Ja '65

Practice and conclusions. V. Rostov. *Sem. i a shkola* 20 no. 5-22 My '65

This remained in his heart. A. Sviridov. *Doshk. voosp.* 38 no. 1-32-34 Ja '65

We all need such discussions. A. Glotova. *Doshk. voosp.* 38 no. 1-40-41 Ja '65

## DOMINICAN REPUBLIC—MILITARY ASSISTANCE, AMERICAN

"The big stick" over the western hemisphere. V. Lislov. *Nov. vrem.* 22 no. 20-8-11 My '65

Nov. vrem. 23 no. 23-4-6 Je '65

Tragedy of the Dominican Republic. V. Lislov. *Nov. vrem.* 22 no. 22-12-13 My '65

Two interviews: a collection. B. I. Leont'ev. *Vl. Novyi.* Nov. vrem. 23 no. 23-16-17 Je '65

## DON VALLEY—ANTIQUITIES

Work results of the Kobayakova Expedition. S. I. Kapóshina. *Krat. soob. Inst. arkeol.* no. 103-15-52 '65

## DON VALLEY—BRONZE AGE

Bronze epoch burial mounds in the lower Don Valley. A. N. Melemt'ev. *Krat. soob. Inst. arkeol.* no. 103-53-57 '65

Work results of the Kobayakova Expedition. S. I. Kapóshina. *Krat. soob. Inst. arkeol.* no. 103-15-52 '65

## DON VALLEY—FOUNDRIES—EQUIPMENT AND SUPPLIES

Foundry mould from the late Bronze epoch settlement of Kobayakova. E. S. Shmarafdinova. *Krat. soob. Inst. arkeol.* no. 103-58-62 '65

## DON VALLEY—MOUNDS

Bronze epoch burial mounds in the lower Don Valley. A. N. Melemt'ev. *Krat. soob. Inst. arkeol.* no. 103-53-57 '65

## DON VALLEY—PINE

Root system of the Scotch pine (*Pinus silvestris* L.) in the sandy soils of Kazakhstan and the Don Valley. A. G. Gnoli, N. A. Voronkov. *Bot. zhur.* 50 no. 4-503-516 Ap '65

## DONETS BASIN—CHEMICAL WORKERS

Chemists in the Donets Basin in the struggle for communist labor. Z. H. Likholobova. *Ukr. int. zhur.* 8 no. 6-51-55 N-D '61

## DONETS BASIN—COAL MINES AND MINING

Design of the "Shakhterskaya-Glubokaya" mine. A. A. Zaplotynskii. *Ugol' Ukr.* 9 no. 5-53-55 My '65

Some results of and immediate tasks for the introduction of efficient means of mechanizing stopping operations in steep Donets Basin seams. M. T. Matveev, I. U. I. Shvoretz. *Ugol' Ukr.* 9 no. 4-13-18 Ap '65

Work practices of the *Yun. Iaroslavskii* mine working a five day week. P. A. Duzhinda. *Ugol' Ukr.* 40 no. 4-11-14 Ap '65

## DONETS BASIN—COAL MINES AND MINING—FINANCE

Reorganization of mine assets in the Donets Basin is the most important objective of the national economy. P. I. A. Kagan. *Ugol' Ukr.* 10 no. 4-1-5 Ap '65

## DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES

Safety during the construction of mines in the western Donets Basin. I. V. Galich. *Bezop. truda v prom.* 8 no. 6-5-7 My '65

## DONETS BASIN—COAL MINING MACHINERY

The BK-5' mine low-work cutter-loaders in Luganskugol' Combine mines. V. M. Ivashin, D. P. Skol'kov, L. K. Pogrebnik. *Ugol' Ukr.* 8 no. 5-35-38 My '65

Technical progress in Kravonoluchugol' Trust mines. P. S. Ermachenko. *Ugol' Ukr.* 8 no. 4-33-36 Ap '65

## DONETS BASIN—COKE INDUSTRY—BY-PRODUCTS

At the Makeyevka coke by-products plant. G. D. Mnu-khin. *Kofo i khim.* no. 4-61 '65

## DONETS BASIN—COMMUNIST COMPETITION

Chemists in the Donets Basin in the struggle for communist labor. Z. H. Likholobova. *Ukr. int. zhur.* 8 no. 6-51-55 N-D '64

## DONETS BASIN—GEOLOGY, STRATIGRAPHIC

Baskunchak marls of the Lower Triassic in the northeastern margin of the Greater Donets Basin. T. V. Movshovich. *Dokl. AN SSSR* 161 no. 5-1177-1180 Ap '65

Stratigraphy of Upper Cretaceous sediments in the northern Donets Basin. M. I. Blank, V. F. Gorbunov. *Dokl. AN SSSR* 162 no. 2-307-400 My '65

## DONETS BASIN—MINE BUILDINGS—DESIGN AND CONSTRUCTION

Erection of a metal, tower headframe in the Donets Basin. B. I. Strashko, A. N. Kharkin, T. F. Golub'. *Shakht. stroit.* 9 no. 4-18-20 Ap '65

## DONETS BASIN—MINE GASES

Nature of transient gas dynamics phenomena in mine sections of the Donets Basin. O. I. Kasimov, T. N. Popov, A. I. Bobrov. *Ugol' Ukr.* 9 no. 5-46-49 My '65

## DONETS BASIN—MINE TIMBERING

Powered supports at mines of the Donetsugol' Trust. V. I. Chebanov. *Ugol' Ukr.* 9 no. 5-10-12 My '65

## DONETS BASIN—SEPTARIUM

New mineral formations in concretions-septaria and their genesis. P. V. Zaritskii. *Min. sbor.* 18 no. 1-87-75 '64

## DONETS BASIN—SHAFT SINKING

Waterproofing mine shafts in the western Donets Basin  
G. I. Vagin, N. T. Logachev, Shkht strel 9 no. 4:  
20-23 Ap '65

**DONETS ECONOMIC REGION—CONVEYING MACHINERY**  
Zhukov, A. V. [Trolley conveyor for preparing reinforced concrete products; practices of plants manufacturing reinforced concrete products in the Donets Economic Region of the Ukraine] *Teletsechnyy konvejer dlia izgotovleniya zhelezobetonnykh izdelii, opyt zavodov zhelezobetonnykh izdelii Donetskogo ekonomicheskogo raiona Ukrainskoi SSR*. Moskva, Stroiizdat, 1964. 24 p.

[MICROFILM]

## DONETS ECONOMIC REGION—MACHINERY INDUSTRY

The story told by the Donets experience. V. Filipenko, D. Savich. *Sotsi trud* 10 no. 2:18-21 '65

## DONETS ECONOMIC REGION—STANDARDIZATION

Seminar and conference at the Donets Economic Council. I. A. Fel'da, V. P. Lungu. *Standartizatsia* 29 no. 3: 55-56 Mi '65

## DONETS VALLEY—AGRICULTURISTS

[Engineers of large crops; sketches] *Inzheneri vrozhalu, narysy. [Donetsk] Donetskke knyzhkovye vyd-vo*, 1963. 52 p.

[DNAL MICROFILM]

## DONETS VALLEY—ALLUVIUM

Reflection of recent tectonics in the facies and alluvium thickness of the Northern Donets Valley. V. E. Nekos. *Geog. sbor. L'vov, old. Geog. ob-va SSSR* no. 8:133-134 '64.

## DONETS VALLEY—GEOLOGY, STRUCTURAL

Reflection of recent tectonics in the facies and alluvium thickness of the Northern Donets Valley. V. E. Nekos. *Geog. sbor. L'vov, old. Geog. ob-va SSSR* no. 8:133-134 '64.

## DONETSK—AUXILIARY POLICE

Organizational work of the headquarters of the auxiliary police. K. Dovhan', L. Lincheva'kyi. *Rad. pravo* 28 no. 2:34-35 Mr-Apr '65

## DONETSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Concern of a communist workshop. I. Goloparov. *Part. zhizn'* no. 11:26 Je '65.

## DONETSK—CONSTRUCTION INDUSTRY

In the legal center of the Technical and Economic Council of the Holovonbasud Combine. *Rad. pravo* 28 no. 3: 152-153 My-Je '65

## DONETSK—NITROGEN COMPOUNDS

Concern of a communist workshop. I. Goloparov. *Part. zhizn'* no. 11:26 Je '65

## DONETSK PROVINCE—COURTS

Strengthen the ties between the judiciary organs and the public. D. Ivanchenko. *Rad. pravo* 28 no. 3:42-43 My-Je '65.

## DONETSK PROVINCE—JUSTICE, ADMINISTRATION OF

Strengthen the ties between the judiciary organs and the public. D. Ivanchenko. *Rad. pravo* 28 no. 3:42-43 My-Je '65

## DOORS

Coating on the basis of polymethyl methacrylate latex for finishing door boards from particle boards. G. P. Plotnikova, R. A. Mirkovich, M. M. Shkhar. *Der. prom* 14 no. 4:21-22 Ap '65.

## DOPAN—THERAPEUTIC USE

Treatment of lymphogranulomatosis with dopan and dogranol. I. U. P. Kolesnikov. *Sov. med.* 28 no. 1:110-116 Ja '65.

## DORMANCY IN PLANTS

Dynamics of temperature optima in *Gagea lutea* (L.) Ker-Gawl. during dormancy. T. K. Goryshina. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2:136-139 '65.

## DORMICE

Materials on diurnal activity and estimation of the common dormouse. G. N. Likhachev. *Biol. MOIP. Old. biol.* 70 no. 2:5-17 Mr-Apr '65.

## DOUGH

Effect of D<sub>2</sub>O on physical properties of gluten and wheat dough. A. B. Vakar, A. I. A. Pumpianskii, L. V. Semenova. *Pril. biokhim. i mikrobiol.* 1 no. 1:5-24 Ja-F '65.

Effect of the moisture of boiled ring-shaped roll dough on its physical properties. S. A. Machikhin. *Khleb. i kond. prom* 9 no. 3:11-12 Mr '65

Preheating of flour. L. G. Osorgina, Z. Z. Arslanov. *Khleb. i kond. prom.* 9 no. 5:31-32 My '65.

Relaxation of stresses in the dough for ring-shaped rolls. S. A. Machikhin, I. U. A. Machikhin. *Khleb. i kond. prom.* 9 no. 5:4-5 My '65.

## DOUGLAS FIR see subdivision under Caucasus

## DOVZHENKO, OLEKSANDR PETROVICH, 1897-

Shlapak, D. I. A. [Oleksandr Dovzhenko; his life and work] *Oleksandr Dovzhenko, zhyttia i tvorchist'*. Kyiv, Znannya, 1964. 91 p. (CaOTU)

## DRAGONFLIES see subdivision under Baikal Lake region

## DRAGUNOVA, EKATERINA NIKOLAEVNA, d. 1964

E. N. Dragunova; an obituary. *Vest. Mesk. un. Ser. 7: Fiziol. zhur.* 20 no. 2:94-95 Mr-Apr '65

## DRAINAGE

(see also subdivision under Bayram-Ali District, Oka Valley)

Depth for the laying of drains. A. V. Smirnov. *Gidr. i mel.* 17 no. 2:41-47 F '65.

Intensity of land drainage in some countries. K. T. Khomik. *Gidr. i mel.* 17 no. 4:48-50 Ap '65.

Precision in determining peat moisture. B. S. Maslov. *Trudy VNIIGIM* 44:30-35 '61.

Studying the strengthening of canal slopes with slabs. U. A. Struts. *Vesti AN BSSR, Ser. sel'skosp. nav.* no. 1:80-95 '65.

## DRAINAGE—ECONOMIC ASPECTS

Economic evaluation of the drainage rate of bogs for forage plants. L. B. Lysina. *Trudy VNIIGIM* 44:36-42 '64.

## DRAWING—INSTRUCTION

Ornamental drawing in schools. V. F. Sluzeva. *Nauch. shkola* 13 no. 2:43-49 F '65

## DRAWING (METALWORK)

Determining the rate of metal flow in the center of deformation in certain cases of pressure working. V. F. Potapkin. *Kuz.-strem. proizv.* 7 no. 3:1-3 Mr '65

Die stamping of pure nickel. S. A. Valiev. *Kuz.-strem. proizv.* 6 no. 12:5-6 D '64.

Hydrodynamic friction in drawing hard to machine metals and alloys. V. I. Kazachenok, A. S. Chazov. *Kuz.-strem. proizv.* 7 no. 1:25-27 Ja '65.

## DREDGING MACHINERY

Efficient operating conditions for hydraulic coal dredgers. A. N. Zarja. *Ugol' Ukr.* 9 no. 5:25-27 My '65.

Performance of suction dredges with a stilllike mouth. P. Pukhov. *Rech. transp.* 24 no. 3:47-48 '65.

Review of the book by V. G. Leshkov "Dredging operations in deep placer deposits." S. F. Belikov, G. D. Verkhovurov, K. V. Belomestnov. *Gor. zhur.* no. 5:78 My '65.

## DREDGING MACHINERY—PARTS

Clay cutting and ripping machine. D. V. Roachchupkin, A. A. Tsernani, I. A. Popov. *Stroitel. dor. mash.* 10 no. 4:11-13 Ap '65.

## DRIED FOOD see Food, Dried

## DRILL (AGRICULTURAL IMPLEMENT)

Modifying sowing machines of the SSN-6B type for single-seed planting of sugar beets. N. Skrynnik. *Tekh. vset'khoz.* 35 no. 4:61-63 Ap '65

## DRILL PRESSES—PARTS

Vice for a drill press. B. V. Toganov. *Shkola i proizv.* 9 no. 5:70-71 My '65.

## DRILLING AND BORING

Minkov, M. A. [Technology of the machining of deep precise holes] *Tekhnologiya izgotovleniya glubokikh tochnykh otverstii*. Moskva, Mashinostroenie, 1965. 175 p.

## DRILLING AND BORING MACHINERY

Perelavskiy, N. A., and M. I. Kisliher. [Instrument for percussion and swing drilling of holes in reinforced concrete, materials of the Klov section of the All-Union State Design Institute "Teploelektronproekt"] *Instrument dlia udarno-povorotnogo burenia otverstii v zhelezobeton; po materialam Kievskogo otdeleniya VGP "Teploelektronproekt."* Moskva, Stroiizdat, 1964. 16 p.

[MICROFILM]

## DRILLING AND BORING MACHINERY—ATTACHMENT

Boring attachment with a detachable catcher. I. S. Malevannyi, V. I. Malevannyi. *Mashinostroitel'* no. 4: 16 Ap '65.

## DRILLING FLUIDS

Diluting effect of a tannin reagent on aqueous dispersions of polygorskite. V. I. Tretinnik, F. D. Ovcharenko, N. N. Kruglitskii. *Ukr. khim. zhur.* 31 no. 1:53-56 '65.

Structure formation in mineralized dispersions of polygorskite clays. F. D. Ovcharenko, V. I. Tretinnik, N. N. Kruglitskii. *Ukr. khim. zhur.* 30 no. 6:504-505 '64.

## DRILLING FLUIDS (OIL WELLS) see Oil well drilling fluids

## DRILLING RIGS, OIL WELL see Oil well drilling rigs

## DRINKING WATER

Evaluation of the quality of drinking water in the light of present day hygienic concepts. V. A. Knizhnikov. *Nauch. trudy AKKH* no. 27:3-12 '64.

## DRINKING WATER—CHLORINATION

Effect of amidosulfonic acid on the bactericidal action of chlorine. B. I. Krotkova. *Nauch. trudy AKKH* no. 22 '63, *Vod.* no. 3:71-80 '63.

## DRINKING WATER—PURIFICATION

(see also subdivision under United States)

Disinfection of drinking water by electrolysis. L. A. Kunina. *Nauch. trudy AKKH* no. 22 '63, *Vod.* no. 3: 81-85 '63.

Experimental and designing studies in the field of electrochemical purification of drinking water. E. A. Silin, Z. I. A. Ioslavskii. *Trudy VNIIGIM* 44:107-208 '64

New devices for the disinfection of water by bactericidal rays. V. F. Sokolov, M. I. Khasin. *Nauch. trudy AKKH* no. 22 '63, *Vod.* no. 3:60-70 '63.

Principles of the automatic optimization of the regime of dosing of a coagulant for contact clarifiers. L. Sh. Kugan-Barakli. *Nauch. trudy AKKH* no. 22 '63, *Vod.* no. 3:148-153 '63.

Results of studies on the coagulation of drinking water using the electrolytic method. E. A. Silin, Z. I. A. Ioslavskii. *Trudy VNIIGIM* 44:219-227 '64.

## DROWNING

Significance of struvite crystals in serous cavities of cadavers recovered from the sea. N. B. Cherkavskii, A. G. Stukochenko. *Sud.-med. ekspert.* 8 no. 1:18-20 Ja-Mr '65

## DROWNING, RESTORATION FROM

First aid to a drowned man. V. Sarovskii. *Voen. znani.* 41 no. 6:44 Je '65.

## DRUG INDUSTRY

Liquid prepared drugs and prospects for their production. F. A. Komev. *Farmatsev. zhur.* 19 no. 1:6-9 '64

## DRUGS

Development of antidote therapy in cyanide poisoning; a review of literature. S. I. Arhuzov, S. P. Frolov. *Voen.-med. zhur.* no. 6:29-33 '64.

Economical analysis as a method for the detection of reserves. F. I. Spivak. *Farmatsev. zhur.* 19 no. 1: 78-81 '64

New drugs. I. M. Kravchenko. *Farmatsev. zhur.* 19 no. 1:82-84 '64

Some problems of mixing solid preparations during the process of drug compounding in pharmacies. V. D. Koz'myn. *Farmatsev. zhur.* 19 no. 1:12-15 '64

## DRUGS—EFFECT ON MICRO-ORGANISMS see Micro-organisms, Effect of drugs on

## DRUGS—EFFECT ON VIRUSES see Viruses, Effect of drugs on

## DRUGS—SIDE EFFECTS

Effect of medicinal substances on the fetus. V. I. Bodia. *zhurn. Akush. i gin.* 40 no. 5:22-26 S-O '64.

## DRUGSTORES

Experience of leading workers in drugstores. N. I. Atkhuk, O. S. Patsyra. *Farmatsev. zhur.* 19 no. 1: 80-81 '64.

Organization of pharmacy services for the population. K. D. Rozenberg. *Farmatsev. zhur.* 18 no. 1: 85-87 '64

Some problems of mixing solid preparations during the process of drug compounding in pharmacies. V. D. Koz'myn. *Farmatsev. zhur.* 19 no. 1:12-15 '64

## DRY FARMING

Effectiveness of various amounts of simazine in corn fields under the conditions of dry farming. E. A. Amantsev, I. U. P. Azhigov. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:115-19 Ap '65.

Rates for sowing spring barley in unimproved dry-farming areas of Alma-Ata Province. V. I. Kovalenko, A. I. Titov. *Vest. sel'khoz. nauki [Kazakh.]* 8 no. 4:109-111 Ap '65.

## DRYING AGENTS

Physiological study of the defoliation and desiccation of Soviet fine-fiber cotton. I. U. P. Rakitin, A. B. Sopyev. *Agroklimat* no. 1:95-101 Ja '65.

## DRYING APPARATUS

Drying in a fluidized bed. N. A. Shakhova. *Trudy MUKIM* 26:39-49 '64.

Efficient method for catching the products of spray drying. N. P. Fedorov, B. Filipenko. *Mias, ind. SSSR* 30 no. 2:12-13 '65.

Improved design for a gas burner for drum dryers. M. Sh. Islamov. *Gaz. prom.* 10 no. 4:33-34 '65.

Spray dryer for fodder yeast. S. A. Merzlikin, V. A. Rodin. *Gidroliz. i leachikn. prom.* 18 no. 2:24-26 '65.

## DRYING APPARATUS—DYNAMICS

Dynamic characteristics of convection dryers in shoe manufacture A S Sergeev, V M Bondar' Izv vys ucheb zav , tekhn leg prom no 2:152-154 '65

## DUCKS—DISEASES AND PESTS see subdivision under Kalinin Province

## DUDINKA (KRASNOYARSK TERRITORY)—HARBOR

Effect of the ice flow on the port structures of the lower Yenisey River V Gossman Rech,transp 24 no 3 43-44 '65

## DUDINSKAYA, NATALIA MIKHAILOVNA, 1912-

Kremshchenskaya, G. D. Natalia Dudinskaya, Leningrad, Iskustvo, 1964 95 p., plates (NNC)

## DUE PROCESS OF LAW see subdivision under Ukraine

## DUMP TRUCKS

New dump-truck trailers R Karimov, R. Shamsutdinov Stroil,arkhit.Sred.Az 1 no.9:30-31 S '64

## DUMP TRUCKS—MAINTENANCE AND REPAIR

Restoring longitudinal members of the MAZ-205 dump trucks I Lunevskii IU,Bogdanov Tekh vsei'khoz 25 no 4 73-75 Ap '65

## DUODENUM

Methods of gastric resection insuring food passage through the duodenum. A. A. Shalimov. Vest.khir. 84 no.2:109-112 F '65.

## DUODENUM—CANCER

Pathogenesis of acute vascular dystonia during surgery for pancreatoduodenal cancer N S. Makokha Khirurgia 41 no 4:64-70 Ap '65.

## DUODENUM—DISEASES

Diagnosis and expertise of patients with some gastric and duodenal diseases. A. M. Zybov, K. V. Zybin Voen -med zhur no 9 37-42 '64

Duodenal fistulas following resection of the stomach. A. L. Kogen Vest khir 92 no 6:33-36 Je '64

Morphological changes of the papilla duodeni major as a sign of stenosing papillitis A. I. Nechai, S. A. Kalashnikov Vest khir 92 no 6:19-25 Je '64

Relationship between parapapillary diverticula of the duodenum and chronic pancreatitis L. P. Volkova, L. I. Dobychna Vest khir 92 no 6:29-33 Je '64

Simultaneous perforation of the vermiform process and the duodenum. A. V. Gugushvili Vest khir 93 no 12:103 '64

## DUODENUM—INNERVATION

Effect of mechanical stimulation of the duodenal mucosa on the composition of the peripheral blood and bone marrow. N. B. Petriashvili. Soob AN Gruz SSR 29 no 1:107-114 J1 '62

## DUODENUM—SURGERY

Morphological changes of the papilla duodeni major as a sign of stenosing papillitis A. I. Nechai, S. A. Kalashnikov Vest khir 92 no 6:19-25 Je '64

Results of surgical treatment in perforating gastroduodenal ulcers L. D. Reshetov, Vest khir 93 no 12:14-17 D '64

## DUODENUM—ULCERS

Functional state of the central nervous system in patients with stomach and duodenum ulcers and its changes resulting from treatment in the Likani Sanatorium E. V. Atanishvili Soob AN Gruz,SSR 29 no.1 95-100 J1 '62.

Perforating duodenal ulcer in an 88-year-old patient. V. A. Ustov. Vest.khir 92 no 6:124-125 Je '64.

Suture technique in perforating ulcers of the stomach and duodenum. A. M. Betanell, N. G. Kravishvili. Vest.khir. 94 no.2:105-106 F '65.

## DUST—PREVENTION

Sprinkling during the operation of stonecutting machines in quarries. A. A. Gasymov Bezop.truda v prom 9 no 4:38-39 Ap '65.

## DUST—REMOVAL

Collecting thinly dispersed dust by spraying aerosols of sodium chloride solutions V. I. A. Iperovich, E. M. Akseanova, Nauch soob. VostNI no 1 41-44 '61.

Dust removal from ground rock salt in a fluidized bed. A. M. Stepanenko. Izv. vys. ucheb. zav.; pishch. tekhn. no.1:166-168 '65.

## DUST COLLECTORS

Testing systems of dry centralized dust collecting during boring with a column hammer drill. V. G. Andreev, L. D. Iakovov Gor.zhur. no 4:84-87 Ap '65.

## DUST EXPLOSION

Investigating the explosiveness of dust in Kuznetsk Basin coal preparation plants. M. I. Lazarenko Nauch soob. VostNI no.1:36-40 '61

## DUTCH ELM DISEASE see subdivision under Moldavia

## DVINA RIVER, WESTERN see Western Dvina River

## DWELLINGS see subdivision under Lankoran' Lowland

## DYATKOVO (BRYANSK PROVINCE)—GLASS MANUFACTURE

Greater application of the experience acquired by the Dyat'ovo Crystal Glass plant A V Zhuk. Stek 11er 22 no 4 42-43 Ap '65

## DYES AND DYEING

Absorption features of colloidal solutions and dry layers of certain organic dyes. E. A. Kutilov and others Dokl. AN SSSR 161 no.6:1371-1374 Ap '65.

Complex-forming groups of p,p'-bis-(dimethylamino)-diphenyl-3-(9-cyanoethyl)-carbazolylmethyl chloride. S. A. Lomonosov, M. K. Murelstein Zhurnal khim. 20 no 3 289-293 '65

## DYES AND DYEING—CELLULOSE

Use of chlorine-containing diphenyl alcohols as active azo- and diazo-components in the formation of insoluble dyes on fibers. V. N. Kluev, L. A. Dogadkina. Izv. vys. ucheb. zav. , tekhn. tekst. prom. no. 1:96-103 '65.

## DYES AND DYEING—COTTON

Better organization of cotton fabric dyeing with sulfide dyes L. I. Komarov Tekst prom. 25 no 4 57-59 Ap '65

Experience in the use of organic solvents in the dyeing of cotton fabrics with sulfide dyes. B. N. Mel'nikov, N. I. Prorokov, A. A. Kudriashova. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:152-157 '65.

Simultaneous dyeing with dichloro- and triazine dyes and finishing with synthetic resins R D Efros, F I Sndov Tekst prom 25 no 4 45-48 Ap '65

## DYES AND DYEING—TEXTILE FIBERS

Combining the dyeing of fabrics with active dyes with their finishing with thermosetting resins. T. D. Zaikharova, P. V. Moryganov. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:111-116 '65.

## DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC

Dyeing of "vinol" blended with cellulose fibers A A Kharkharov, V. V. TSvetkova. Tekst prom. 25 no. 4 49-51 Ap '65

Studying the development of the technology for a continuous dyeing method of nitr. on with cationic dyes O. B. Linkasheva, B. N. Mel'nikov, P. V. Moryganov Izv. vys. ucheb. zav. , tekhn. tekst. prom no 2:114-120 '65

Thermodynamic analysis of the process of azo amine dye taking-out by polyacrylonitrile fibers. A. A. Kharkharov, G. A. Arastova. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:82-87 '65.

## DYNAMOMETER

Device for checking the quality of press-fitting of pressure lubricators M. A. Rokhlenko, B. L. Smolenskiy Stan. i mstr 36 no 5:36 My '65

Tensometering traction dynamometer. V. N. Tarasov. Stroil.dor.mash. 10 no.4:24-35 Ap '65.

## DYNAMOMETRY

Using a dynamograph in controlling belt tension in contour transmissions V. A. Aramov, G. S. Dilpa-chik, G. V. Makushin Izv vys. ucheb. zav. , mashinost. no 1 78-83 '65

## DYSENTERY

Characteristics of water-borne dysentery outbreaks. V. B. Nestorova. Trudy TSU 68:40-42 '64.

Clinical epidemiological evaluation of the treatment of patients following dysentery and enterocolitis. G. A. Cherniakov. Voen.-med. zhur. no. 9:40-42 '64.

Detection of dysenteric bacteria in reconvalescents with the help of the phage titer increase reaction. N. V. Stronhov'ska. Mikrobiol. zhur. 28 no 3 59-62 '64.

Effect of quaternary salts of 4(n-dialkylaminophenyl)-pyridines on dysentery bacteriophage. L. R. Kolomoitsev and others. Mikrobiol. zhur. 27 no.2:58-60 '65.

Experience in the use of immunoelectrophoresis in agar for the clarification of the role of individual blood serum protein fractions and formation of antibodies in typhoid fever and dysentery. A. I. Ivanov. Zhur. mikrobiol. , epid i immun. 42 no 4:111-112 Ap '65.

Furacillin therapy in prolonged bacterial carrier state in dysentery. A. P. Podlevskiy. Sov.med. 28 no.5; 146-148 My '65.

Study of the reaction of completed phagocytosis in children with dysentery. A. D. Kositskaya, I. L. Gussarskaya Zhur. mikrobiol. , epid. i immun. 41 no.11:8-11 N '64

Treatment of experimental dysentery infection. Induced by antibiotic-resistant strains of Flexner's dysentery bacteria, with the combination of antibiotics and a preparation stimulating immunogenesis. G. K. Kovalev, Antibiotiki 10 no.2:148-151 F '65.

## DYSENTERY—COMPLICATIONS AND SEQUELAE

Frequency and causes of recurrent dysentery. G. R. Garlaev, Voen.-med. zhur. no. 8:83-84 '64.

## DYSTROPHY

Clinical and pathogenetic parallels in several forms of epidemic hepatitis and its complications with liver dystrophy K V Bunin Sov med 28 no.5;16-21 My '65

Inappetent syndrome in hepatocerebral dystrophy I P Krasnikova, IU. V Koblov Sov med 20 no 5. 111-145 My '65

Preventive action of vitamin E in dystrophies caused by experimental chronic hypoxia A M Alekseeva, A. V. Tkachenko Pat fiziol i ekap teip 9 no 2:10-42 Mr-Ap '65

## DZERZHINSKII, FELKS EDMUNDOVICH, 1877-1926

Khatskevich, A. F. [Soldier of big battles; life and work of F. E. Dzerzhinskii] Soldat velikikh boev; zhizn' i dela-tel'nost' F. E. Dzerzhinskogo. 2. perer. i dop. izd. Minsk, Nauka i tekhnika, 1965. 405 p.

## DZHEZKAZGAN REGION (KAZAKHSTAN)—ANTOFAGASTITE

Antofagastite and botallackite from the oxidation zone of the Dzhezkazgan deposit. R. B. Aubakirova and others. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 5:90-95 S-O '64.

## DZHEZKAZGAN REGION (KAZAKHSTAN)—APPLE—DISEASES AND PESTS

Effect of chlorosis on the physiological conditions of apple in the Dzhezkazgan region. I. D. Zelenikhin, Vest. sel'khoz. nauki [Kazakh.] 8 no. 4:84-90 Ap '65.

## DZHEZKAZGAN REGION (KAZAKHSTAN)—BOTALLACKITE

Antofagastite and botallackite from the oxidation zone of the Dzhezkazgan deposit. R. B. Aubakirova and others. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 5:90-95 S-O '64.

## DZHEZKAZGAN REGION (KAZAKHSTAN)—FLOTATION—EQUIPMENT AND SUPPLIES

Comparative testing of the "Sikhali" and "Mekhanobi-5" flotation machines at the "Sikhali" Combine ore dressing plant I. A. Shestakov Obog rud 9 no. 4.30-33 '64

## DZHEZKAZGAN REGION (KAZAKHSTAN)—ORE DEPOSITS

Nature of wedge-out and rational principles for mapping ore bodies in Dzhezkazgan type deposits. L. V. Koplatkevich. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 5:101-108 S-O '64.

## DZIRULA RIVER—TERRACES (GEOLOGY)

Morphological characteristics of the Dzirula River terraces. I. E. Dzhibladze. Trudy Geog. ob-va Gruz. SSR 7:85-90 '64.

## DZUNGARIAN ALATAU—FRUIT CULTURE—RESEARCH

Principles of the development of the technology of caring for wild growing fruit trees and the cultivation of fruit and berry crops in mountain areas of the Trans-Il and Dzungarian Alatau. A. D. Dzhangaliev, E. G. Razzin. Vest. sel'khoz. nauki [Kazakh.] 8 no. 4:79-84 Ap '65.

## EAR

Adaptive characteristics of the skin of the external part of the acoustic analyzer in birds N. N. Gurtovoi, V. D. Il'ichev, V. I. Kroschkin. Zool zhur. 44 no 2:304-308 '65

## EAR—DISEASES

Significance of modern surgery for the restoration of hearing in the expert examination of patients with chronic suppurative otitis K. S. Aznaur'yan. Voen.-med. zhur. no 9:35-37 '61.

## EAR—WOUNDS AND INJURIES

Barotrauma of the ear following the action of air percussion wave of nuclear explosions, review of literature. S. G. Sherashov, P. I. Burulin, V. N. Morozov. Voen.-med. zhur. no. 7:39-44 '64.

## EARTH

Mineralogical hypothesis of the earth's formation. A. S. Utkonskiy. Min. shor. 18 no.1:110-118 '64.

## EARTH—FIGURE

Determining the figure of the earth with allowance for third-order magnitudes. I. F. Monin. Dop. AN URSSR no. 5:564-567 '65.

## EARTH—INTERNAL STRUCTURE

Neomobility and convection in the earth's mantle. Article 2 Correlation of the hypotheses of convection and continental drift. E. N. Luvskikh Biol. MOIP, Chd geol 40 no. 2:5-21 Mr-Ap '65.

Structure of the upper portion of the earth's mantle from observations of earthquakes with intermediate depth of the seismic center. A. A. Lukk, I. L. Nersisov, Dokl. AN SSSR 162 no 3:559-562 My '65.

## EARTH—SURFACE see subdivision under Tajik Depression; Turkistan

## EARTH CURRENTS

Calibration of apparatus for recording short-period variations of earth currents O. M. Baisukov, *IU. R Rivn. Izv. AN SSSR Fiz. zem.* no. 1:131-134 '65  
Kryazev, A. P. [Fundamentals of geoelectricity] *Osnovy geoelektriki*. Izd. 2., ispr. i dop. Leningrad, Nedra, 1965. 587 p.

## EARTH DAMS

(see also subdivision under Kaunas Hydroelectric Power Station)  
Formation of free slope in the hydraulic filling of structures V. D. Erokhin *Trudy VNIIGIM* 44:167-176 '61

## EARTH MOVEMENTS

Horizontal movements of the earth's crust and the principle of inheritance A. V. Peive *Geotektonika* no. 1:30-37 Ja-F '65

## EARTH SATELLITES

see Artificial satellites

## EARTH SCIENCES—METHODOLOGY

Methods of knowing the earth's structure and evolution. E. V. Karas. *Vop. filos.* 19 no. 4:161-163 '65.

## EARTH TEMPERATURE

see subdivision under Sunkar-Khlayata Range

## EARTHQUAKES

Relation between maximum accelerated amplitudes of earth tremors and the energy released in the focus of earthquakes L. A. Kogan. *Trudy Inst. seism. stroi. i seism.* 12:97-100 '64.

## EARTHQUAKES AND BUILDING

Flexible pile foundations. G. F. Shishkanov. *Stroi. i arkh. Uzb.* 8 no. 2:30-31 F '65.

## EARTHS, RARE

see Rare earths

## EARTHWORK

Basic regularities in various methods of working frozen grounds. V. A. Cherkashin. *Stroi. i dor. mash.* 10 no. 4:14-16 Ap '65.  
Technology of earthwork and soil compaction in the laying of underground pipelines. E. M. Ostrovskii. *Stroi. i arkh. Sred. Az.* 1 no. 9:40-43 S '64.

## EAST (NEAR EAST)

see Near East

## EAST (SOVIET FAR EAST)

see Soviet Far East

## EAST EUROPEAN PLAIN—LANDFORMS

Nature of treeless land in the East European Plain. F. N. Mil'kov. *Geog. sbor. L'vov. otd. Geog. ob-va SSSR* no. 8:20-27 '61.

## EAST GERMANY

see Germany, East

## EASTERN CHURCHES

Problem of the unity of the Eastern Church. N. Zaholoiskii. *Zhur. Mosk. Patr.* no. 6:56-64 '65.

## EASTERN EUROPE

see Europe, Eastern

## EASTERN ORTHODOX CHURCH

see Orthodox Eastern Church

## EASTERN SIBERIA

see Siberia, Eastern

## EBULLITION

Generalization of data on heat transfer in stable film boiling on vertical surfaces with free convection of the liquid in the large volume. V. M. Borishanskii, B. S. Pokin. *Inzh.-fiz. zhur.* 8 no. 3:280-291 Mr '65.  
Local vapor contents in the surface boiling of an underheated liquid in channels D. A. Labuntsov, B. A. Kol'chugin, E. A. Zakharova. *Teploenergetika* 12 no. 4:73-76 Ap '65.  
Number of active steam formation centers and critical thermal loads in the ebullition of some organic liquids in a large volume. G. V. Ratiani, D. I. Avallani. *Soob. AN Gruz. SSR* 37 no. 3:653-660 Mr '65.  
Stability of a system of parallel boiling channels. V. I. Budnikov, A. V. Sergievskii. *Inzh.-fiz. zhur.* 8 no. 3:380-386 Mr '65.

## ECHINODERMATA

see subdivision under Bering Sea

## ECHMIADZIN REGION (ARMENIA)—CATHEDRALS

Restoration of Zvartnoca and Tatevi Mts. Anapal. O. Kh. Khapakhch'ian. *Arkhit. nas.* 17:61-66 '64.

## ECHOLOCATION (PHYSIOLOGY)

Effect of partial and total exclusion of the cerebral cortex on the echolocation by bats. A. I. Konstantinov. *Dokl. AN SSSR* 161 no. 4:989-991 Ap '65.

## ECLOGITE

see subdivision under Ural Mountains

## ECONOMIC ASSISTANCE, FRENCH

see subdivision under Africa

## ECONOMIC CONDITIONS

Only by trying can you succeed. O. Stepanova. *Az. i Afr.* 8 no. 5:31-33 My '65.

## ECONOMIC COUNCILS

see Administrative Economic Councils

## ECONOMIC DEVELOPMENT

The progress of mankind toward communism and the bourgeois concept of "the single industrial society" M. B. Mitin, V. S. Semenov. *Vop. filos.* 19 no. 5:35-46 '65.  
The theory of "the single industrial society" as a weapon falsifying Marxism. A. S. Grachev. *Vop. filos.* 19 no. 5:116-125 '65.

## ECONOMIC GEOGRAPHY

see Geography, Economic

## ECONOMIC HISTORY

[Present-day business conditions of the capitalist economy and the conditions on the main commodity markets] *Sovremennaya kon'unktura kapitalisticheskogo khozaistva i polozenie na osnovnykh tovarnykh rynkakh*. Moskva, 1965. 230 p. [Bulletin] *Inostrannoi kommercheskoi informatsii, prilozhenie*, no. 5)

## ECONOMIC HISTORY—STUDY AND TEACHING

Structure of the course in the economic history of capitalist countries M. Loiberg. *Nauch. dokl. vuz. shkoly, ekon. nauki* 8 no. 3:123-125 '65

## ECONOMIC POLICY

Gerehuk, I. A. P. [Applicational limits of linear programming] *Granitsy primeneniia lineinogo programirovaniia*. Moskva, Ekonomika, 1965. 71 p. [Obshchdaem problemy sovershenstvovaniia planirovaniia, no. 10]

## ECONOMIC RESEARCH

Methodological problems of economic research. O. Nesterenko, M. Kalyta. *Ekon. Rad. Ukr.* 8 no. 4:10-15 Ap '65.  
Research work in a higher school of economics. A. Molchanov. *Vop. ekon.* no. 5:137-139 My '65.

## ECONOMIC ZONING

(see also subdivision under Ukraine)

Principles of economic zoning. G. I. Zardalishvili. *Trudy Geog. ob-va Gruz. SSR* 7:181-192 '63.  
Some problems of the comprehensive development of economic regions V. Kistanov. *Vop. ekon.* no. 5:58-67 My '65.

## ECONOMICS

Economics is the main field of the struggle for communism S. Baishiev. *Nar. khoz. Kazakh.* 23 no. 4:3-7 Ap '65.  
The Leninist principle of the unity of economic theory and practice. D. Virnyk. *Ekon. Rad. Ukr.* 8 no. 4:3-9 Ap '65.  
Planned and proportionate organization of productive work. N. Khessin. *Nauch. dokl. vuz. shkoly, ekon. nauki* 8 no. 3:14-24 '65.  
Samuelson's "neoclassical synthesis" and bourgeois political economy. A. Kudriavtsev. *Vop. ekon.* no. 5:90-97 My '65.  
Some problems of the analysis of the reproduction of the means of production. A. Hofarskii. *Vest. stat.* no. 5:37-45 '65.

## ECONOMICS—JOURNALISM

Articles on economic themes; how do they originate? V. Khanenko. *Sov. pech.* no. 4:20-23 Ap '65.

## ECONOMICS—METHODOLOGY

For a wider use of new forms of teaching. V. Pechnikov. *Nauch. dokl. vuz. shkoly, ekon. nauki* 8 no. 3:126-127 '65.

## ECONOMICS—PERIODICALS

Following Lenin's advice. B. Miasoslov. *Sov. pech.* no. 4:4-6 Ap '65.  
Meetings with the "Voprosy ekonomiki" readers. *Vop. ekon.* no. 5:145-150 My '65.

## ECONOMICS—STUDY AND TEACHING

(see also subdivision under Hungary, Penza)  
[Method of teaching political economy] *O metodike prepodavaniia politicheskoi ekonomii; sbornik statei*. [Leningrad] Lenizdat, 1965. 181 p. (22 opyla raboty kafedr. obshchestvennykh nauk vuzov Leningrada)  
National economy and branch economics. K. I. Babkov. *Vest. vuz. shkoly* 23 no. 4:82-85 Ap '65.

## ECONOMICS, MATHEMATICAL

Class of optimal distribution problems. N. F. Buslenko, G. A. Sokolov. *Ekon. i mat. metod.* 1 no. 1:123-130 Ja-F '65.  
Economic significance of a capital investment efficiency standard and the calculation of interest for capital investments. A. L. Lur'e. *Ekon. i mat. metod.* 1 no. 1:137-145 Ja-F '65.  
Existing methods of mathematical formula in the solution of intrafactory production planning problems. G. A. Tlarenko. *Vop. stat. i ucheta* no. 6:105-123 '62.  
Modification of the simplex method. E. G. Gol'shtein. *Ekon. i mat. metod.* 1 no. 1:83-85 Ja-F '65.  
Moscow. Institut harodnogo khozaistva. *Kafedra statistiki*. [Mathematical and statistical methods in applied economics] *Matematicheskie i statisticheskie metody v konkretnoi ekonomike*. Moskva, 1963. 199 p. (DRC)

Optimal correlation of the subdivisions of national production. A. I. Bolaszkis. *Ekon. i mat. metod.* 1 no. 1:47-53 Ja-F '65.

## ECONOMICS, MATHEMATICAL—CONGRESSES

Nauchnaia konferentsiia po voprosam primeneniia matematicheskikh metodov i EVM v ekonomicheskikh issledovaniakh. Tashkent, 1965. [Application of mathematical methods and electronic computers in economic research, conference materials] *Primenenie matematicheskikh metodov i EVM v ekonomicheskikh issledovaniakh, materialy Konferentsii*. Tashkent, Izd-vo "Nauka," UzSSR, 1965. 277 p.

## ECZEMA

Eczema and eczematoid skin diseases. I. A. Ashmarin. *Voen.-med. zhur.* no. 7:33-39 '64.

## EDEMA

Radiometric and autoradiographic methods in the study of the mechanism of acute traumatic brain edema, experimental research. D. M. Abdusaulov, I. N. Dumant. *Med. rad.* 9 no. 7:3-7 J1 '64.

## EDIBLE OILS AND FATS

see Oils and fats, Edible

## EDUCATION

(see also subdivision under Africa; Chukchi National Area; Chuvashia, Czechoslovakia; France, Great Britain, Kenya; Kharkov Province, Mongolia, Niger, Ukraine, Yugoslavia)

Colleges for the representatives of minority districts. E. Kuzakova. *Nar. obr.* no. 5:123-125 My '65.

Education abroad, according to the material of TASS. *Sov. pedagog.* 29 no. 5:136-138 My '65.

Following the great precepts. *Sov. pedagog.* 29 no. 1:3-11 Ap '65.

In the Academy of Pedagogical Sciences of the R. S. F. S. R. *Sov. pedagog.* 29 no. 5:110-149 My '65.

Man is born for happiness. Iurii Zhdanovskii. *Rad. shk.* 44 no. 5:1-2 My '65.

Pedagogical science and schools. I. A. Kairav. *Sov. pedagog.* 29 no. 5:10-24 My '65.

Pedagogical works of S. T. Shatki. Volume 2. Reviewed by M. K. Kilirov. *Sov. pedagog.* 29 no. 4:140-142 Ap '65.

Some theoretical bases for the system of educational work in schools. M. K. Honcharov. *Rad. shk.* 43 no. 4:15-21 Ap '65.

V. I. Lenin on culture and public education. I. M. Butulova. *Sov. pedagog.* 29 no. 5:95-99 My '65.

V. I. Lenin on the work training of youth. N. G. Dubinin. *Shkola i prosv.* 9 no. 4:4-7 Ap '65.

## EDUCATION—CONGRESSES

General meeting of the Academy of Pedagogical Sciences of the R. S. F. S. R. M. Deineko. *Sov. pedagog.* 29 no. 1:149-153 Ap '65.

## EDUCATION—PERIODICALS

(see also subdivision under Bulgaria)  
In the periodicals of our friends. *Nar. obr.* no. 5:121 My '65.

Read it in the periodicals. *Nar. obr.* no. 5:120 My '65.

## EDUCATION, COOPERATIVE

(see also subdivision under United States)  
Closer to life. A. F. Kriuchkov. *Shkola i prosv.* 9 no. 4:11-14 Ap '65.

Feeling the beauty of work. M. I. Honcharenko. *Rad. shk.* 44 no. 5:1-93 My '65.

Let's improve the level of work training. A. G. Dubov. *Shkola i prosv.* 9 no. 5:34-38 My '65.

Let's instruct and train. A. I. Andreev. *Shkola i prosv.* 9 no. 4:5-10 Ap '65.

Let's take into consideration the practices of the best. D. D. Novozhilov. *Shkola i prosv.* 9 no. 5:39-40 My '65.

Let's teach and train by means of creative work. K. A. Ivanovitch, V. I. Kuchnev. *Shkola i prosv.* 9 no. 5:30-34 My '65.

More on programs. A. A. Poljakov. *Shkola i prosv.* 9 no. 4:15-20 Ap '65.

Path to their hearts. D. N. Vitukayev. *Shkola i prosv.* 9 no. 4:26-31 Ap '65.

Some problems of the content of work training. K. P. Korolev. *Shkola i prosv.* 9 no. 4:20-21 Ap '65.

## EDUCATION, ELEMENTARY

(see also subdivision under Lipetsk Province)  
Beloved school. M. I. Kuznetsova. *Nach. shkola* 33 no. 2:54-60 F '65.

In the committee on the content of elementary education. A. Malovanov. *Sov. pedagog.* 29 no. 5:151-153 My '65.

Let's acquaint children with the work of adults. K. S. Zubova. *Nach. shkola* 33 no. 2:36-42 F '65.

Questions and doubts. N. S. Razhdostvenskii. *Nach. shkola* 33 no. 2:68-73 F '65.

Unfounded conclusion. B. P. Syrov. *Nach. shkola* 33 no. 2:74 F '65.

## EDUCATION, HIGHER

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.] *Dial. Min. vys. i sred. spets. obr. SSSR* nos. 3-5 Mr-Apr '65

The creation and strengthening of the party organizations in higher educational institutions and their participation in the struggle for the political conquest of the higher schools during the first years of the Soviet regime, 1917-1921 L. A. Shilov. *Vest LGU* 20 no. 8: 14-24 '65

Lennin and the institutions of higher learning M. N. Pokrovskii. *Sov. pedagog* 29 no. 4: 18-20 Ap '65

Lenin stood at the cradle of the Soviet institutions of higher learning I. A. Blaslavskii. *Vest vsykh shkoly* 23 no. 4: 9-15 Ap '65

The young teacher and his department. P. E. Zurbkov, G. N. Usatov. *Vest vsykh shkoly* 23 no. 4: 61-64 Ap '65

## EDUCATION, PRESCHOOL

(see also subdivision under Krasnoyarsk Territory, Novosibirsk, Yaroslavl Province)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. [Training children between 2 and 3 years old in a preschool institution] *Vospitanie detei tret'ego goda zhizni v doshkol'nom uchrezhdenii* Pod red. V. G. Nechaevoi Moskva, Prosveshchenie, 1965 198 p

Fierina, E. A. [Aesthetic training of the preschool child] *Esteticheskoe vospitanie doshkol'nika*. Pod red. V. N. Shatskoi Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 333 p

Let's improve the theory and practice of preschool education *Doshk. vosp.* 33 no. 1: 3-4 Ia '65

## EDUCATION, PRESCHOOL—TEACHER TRAINING

If you want to study... S. Bogoslovskaya. *Doshk. vosp.* 33 no. 1: 30-31 Ja '65

## EDUCATION OF ADULTS see Adult education

## EDUCATION OF CHILDREN

Age-conditioned physiology and the problems of pedagogics A. A. Markosian. *Sov. pedagog* 29 no. 5: 48-58 My '65

Let's discuss it thoroughly, I. Efirin. *Doshk. vosp.* 33 no. 1: 49 Ia '65

## EDUCATIONAL LAW AND LEGISLATION

Delneko, M. M., ed. [Communist education and the strengthening of contacts between school and life, a collection of documents] *O kommunisticheskom vospitanii i ukrepleni svyazi shkoly s zhizniu*, sbornik dokumentov Moskva, Prosveshchenie, 1964 349 p. (NNC)

## EDUCATIONAL PSYCHOLOGY

Shortcomings of the textbook on the child and educational psychology M. A. Danilov. *Sov. pedagog* 29 no. 5: 139-143 My '65

## EDUCATIONAL RESEARCH

Studying the individual properties of students. A. Gladyshev. *Prof.-tekh. obr.* 22 no. 2: 21-22 F '65

## EELWORMS see Nematoda

## EFFICIENCY, INDUSTRIAL

(see also subdivision under Leningrad Economic region)

Sytok, P. A. [Innovations in the work of Orsha railroaders] *Novoe v rabote orshanskikh zheleznodorozhnikov*, Minsk, Gos. izd-vo BSSR, 1959. 41 p. (Biblioteka novatora)

[MICROFILM]

## EGG HANDLING

Calculations of parameters for the cellular working parts of automatic machines for the collecting, selecting, and packing of eggs. R. M. Slavin, T. S. Atakishiev. *Trakt. i sel'khoz. mash.* no. 4: 35-37 Ap '65

## EGGS—PRESERVATION

Let's buy more and store better... *Sov. potrebn. koop.* 9 no. 4: 24-25 Ap '65

## EGGS—PRODUCTION

Working out the technology for the commercial production of broiler meat and eggs. S. I. Smetnev. *Izv. TSKhA* no. 5: 197-211 '64

## EGYPT—VOCATIONAL EDUCATION

Training of young specialists in the United Arab Republic V. K. Ariskin. *Sred. spets. obr.* 12 no. 4: 51-53 Ap '65

## EHRENBURG, IL'IA GRIGOR'EVICH, 1891-

People, years, life (conclusion). I. Ehrenburg. *Nov. mir* 41 no. 4: 29-83 Ap '65

People, years, life (to be continued). I. Ehrenburg. *Nov. mir* 41 no. 2: 7-65 F '65

## ELIDMAN, ROBERT PETROVICH, 1895-1937

A true fighter of the party. I. A. Gorelik. *Voenn. znan.* 41 no. 6: 15 Je '65

## EIGENFUNCTIONS

Eigenfunctions of an elliptic operator in certain infinite domains. A. M. Il'in. *Dokl. AN SSSR* 161 no. 4: 757-759 Ap '65

Representation of positively defined matrices by eigenfunctions of difference operators. Chan Chang. *Ukr. mat. zhur.* 17 no. 2: 124-129 '65

Representation of positively defined nuclei through eigenfunctions of difference expressions N. N. Chaus. *Ukr. mat. zhur.* 17 no. 2: 129-134 '65

## EIGENVALUES

Asymptotic formulae for the eigenvalues of an elliptic membrane. M. V. Kuznetsov. *Dokl. AN SSSR* 161 no. 4: 760-763 Ap '65

## ELAIDIC ACID

Hydroxylation reaction of elaidic acid and cyclohexene by Caro's acid in H<sub>2</sub>O<sub>2</sub> solution L. V. Sulima. *Zhur. org. khim.* 1 no. 1: 71-75 Ja '65

## ELANSKII, NIKOLAI NIKOLAEVICH, 1894-

Hero of Socialist Labor, Professor M. N. Elanskii. *Voenn.-med. zhur.* no. 6: 89-90 '64

## ELASTIC PLATES AND SHELLS

Calculating orthotropic bent plates for structural purposes S. A. Klimov. *Mat. po. mek. konstr.* no. 8: 116-133 '64

Calculating uniformly perforated plates in the elastoplastic phase of loading. L. S. Zhislina. *Izv. vys. ucheb. zav., mashinostr.* no. 4: 36-44 '65

Cylindrical bending of a supported cantilever plate taking into consideration the creep properties of the plate and the support. L. A. Panchevskii. *Triki. mekh.* 1 no. 1: 98-103 '65

Design of spherical shells subjected to joint forces. G. N. Chernyshev. *Izv. AN SSSR. Mekh.* no. 1: 99-108 Ja-F '65

Determining stressed state in an anisotropic plate with an elastic nucleus. G. N. Savin, D. V. Grilitskii. *Triki. mekh.* 1 no. 1: 6-14 '65

Effect of a concentrated force suddenly applied to a cylindrical shell. A. V. Agafonov. *Izv. AN SSSR. Mekh.* no. 1: 148-150 Ja-F '65

More precise theory of inhomogeneous transversely isotropic plates of nonsymmetric structure. S. G. Lekhnitskii. *Izv. AN SSSR. Mekh.* no. 1: 81-88 Ja-F '65

A plate with a row of slits near a circular hole. V. I. Tul'chik. *Dop. AN URSSR* no. 5: 573-576 '65

Propagation of small perturbations in a fluid flowing in an elastic cylindrical shell. I. T. Selezov, S. N. Nikulinskaya. *Izv. AN SSSR. Mekh.* no. 1: 173-175 Ja-F '65

Simple edge effect and the division of boundary conditions in the linear theory of thin shells. K. F. Chernykh. *Izv. AN SSSR. Mekh.* no. 1: 89-98 Ja-F '65

Stability of a rectangular plate supported along the contour and having inclined stiffening ribs. N. S. Lopatin. *Izv. vys. ucheb. zav., mashinostr.* no. 2: 41-49 '65

Stability of a rectangular plate supported along the contour and having inclined stiffening ribs. N. S. Lopatin. *Triki. mekh.* 1 no. 1: 121-125 '65

Stressed state of shells weakened by a number of holes. O. M. Huzi. *Dop. AN URSSR* no. 4: 441-444 '65

Using the moire method in investigating elastoplastic bending of plates. B. N. Ushakov. *Izv. vys. ucheb. zav., mashinostr.* no. 2: 33-40 '65

## ELASTIC PLATES AND SHELLS—VIBRATION

Determining the frequencies of free vibrations of shallow spherical shells and flat plates basing on the membrane analogy. A. V. Sachenkov. *Triki. mekh.* 1 no. 1: 104-108 '65

## ELASTIC RODS AND WIRES

Elastoplastic bending and the stability of eccentrically compressed thin-walled symmetrical I-beams. S. D. Letes. *Mat. po. mek. konstr.* no. 8: 79-115 '64

General analysis of the phenomenon of the loss of rigidity in rectangular rods. N. S. Streletsii. *Mat. po. mek. konstr.* no. 8: 4-10 '64

Optimal distribution of stresses in rod systems and the properties of optimal systems A. I. Vinogradov. *Triki. mekh.* 1 no. 1: 88-91 '65

Some problems involving the bending of three-layered rods with a light filler. I. U. V. Krasnobatev. *Dop. AN URSSR* no. 4: 445-449 '65

Steady motion and minor vibrations of an elastic string. V. A. Svetitskii, I. V. Stasenko, V. I. Gabriluk. *Izv. vys. ucheb. zav., mashinostr.* no. 3: 57-67 '65

Torsion of nonorthotropic sectional prismatic rods. V. S. Sarkislan. *Dokl. AN Arm. SSR* 40 no. 2: 81-87 '65

## ELASTIC SOLIDS

Problem of the similitude in case of elastic and plastic phenomena in solids. V. N. Churakov. *Izv. vys. ucheb. zav., av. tekhn.* 8 no. 2: 40-47 '65

## ELASTIC SOLIDS—TESTING

Using the method of free vibrations for determining the rigidity irregularity of an elastic mechanical system in two perpendicular directions. I. S. Demidov. *Izm. tekhn.* no. 3: 22-25 Mr '65

## ELASTIC WAVES

Elastic impulses caused by the break-up of rocks under dynamic load I. S. Parkomenko, V. A. Obukhov. *Izv. AN SSSR. Fiz. zem.* no. 1: 20-30 '65

Types of elastic waves in a thin ice layer. V. N. Smirnov. *Probl. Arkt. i Antark.* no. 19: 64-65 '65

Wave problems in the theory of elasticity of a continuous medium. N. V. Zvolinskii. *Izv. AN SSSR. Mekh.* no. 1: 100-123 Ja-F '65

## ELASTICITY

Asymptotic representation of an operator describing the behavior of an elastic hereditary medium and affecting a power function. E. S. Slonitskii. *Izv. AN SSSR. Mekh.* no. 1: 120-131 Ja-F '65

Bending by a transverse force of sectional anisotropic cylindrical bodies with a slightly bent axis G. M. Khatlashvili. *Dokl. AN SSSR* 161 no. 6: 1205-1208 Ap '65

Comments on V. G. Ebanoldze's articles. E. S. Sorokin. *Izv. AN SSSR. Mekh.* no. 1: 206-208 Ja-F '65

Elasticity modulus and strength of filamentary crystals V. S. Postnikov, S. A. Ametev. *Izv. vys. ucheb. zav., Chern. met.* 8 no. 5: 140-141 '65

Exact solution to a problem of plastic flow in a thin layer on elastic surfaces. I. A. Kikko. *Dokl. AN SSSR* 162 no. 1: 10-12 My '65

Improvement of certain evaluations for stresses in problems in the theory of elasticity. M. G. Shubladan'skii. *Izv. AN SSSR. Mekh.* no. 1: 110-111 Ja-F '65

Integral transformations related to the biharmonic problem on a half-plane and a half-space and their applications to problems in the theory of elasticity. A. I. Tseitlin. *Izv. AN SSSR. Mekh.* no. 1: 131-130 Ja-F '65

Method for solving doubly periodic problems in the theory of elasticity. E. I. Gligoliuk, I. M. Kuzhin, L. A. Fil'antinskii. *Triki. mekh.* 1 no. 1: 23-31 '65

Nonsteady vibrations of a load lying on an infinite plate supported by an elastic basin. G. B. Muravskii. *Izv. AN SSSR. Mekh.* no. 1: 124-127 Ja-F '65

Reflection and refraction of plane plastic waves. N. V. Zvolinskii, G. V. Rykov. *Dokl. AN SSSR* 161 no. 5: 1041-1043 Ap '65

Torsion of composite anisotropic cylindrical bodies with a slightly bent axis G. M. Khatlashvili. *Dokl. AN SSSR* 161 no. 5: 1044-1047 Ap '65

## ELASTICITY—BOUNDARY VALUE PROBLEMS

Solution of the fundamental boundary value problems in the two-dimensional theory of elasticity I. A. Zgonina. *Sob. AN Grav. SSR* 20 no. 1: 10-16 Ji '62

## ELASTOMERS

Reaction of unsaturated elastomers with alkyl phenol-formaldehyde derivatives under vulcanization conditions L. V. Ginzburg and others. *Vysokom. mod.* 7 no. 1: 55-62 Ja '65

## ELASTOMERS—TESTING

Durability of highly elastic polymers. M. M. Reznikovskii. *Dokl. AN SSSR* 162 no. 1: 140-143 My '65

## ELBOW

Role and causes of the formation of synovial depressions in the elbow joint of some mammals. V. I. Tabin. *Nauch. dokl. vys. shkoly, biol. nauki* no. 2: 32-38 '65

## EL'BRUS MOUNTAIN REGION—PLANTS, EFFECT OF TRACE ELEMENTS ON

Dispersed chemical elements in soils and plants of the eastern El'brus Mountain region. M. V. Rzhakinskaya. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2: 197-200 '65

## EL'BRUS MOUNTAIN REGION—SOILS—TRACE ELEMENTS CONTENT

Dispersed chemical elements in soils and plants of the eastern El'brus Mountain region. M. V. Rzhakinskaya. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2: 197-200 '65

## ELECTRIC APPARATUS AND APPLIANCES—MAINTENANCE AND REPAIR

Kamnev, V. N. [Installation and maintenance of secondary systems] *Montazh i obsluzhivanie vtorichnykh ustroistv*, Izd. 2, perer. Moskva, Vysshaya shkola, 1965. 540 p.

## ELECTRIC ARC

All-Union seminar on the use of a confined arc for welding and cutting. K. V. Vasil'ev. *Svar. proizv.* no. 3: 44-45 Mr '65

Double arc formation during gas-arc cutting. V. A. Gubenko, K. V. Bagriantskii. *Svar. proizv.* no. 3: 25-26 Mr '65

Effect of a transverse magnetic field on a low-voltage arc in cesium vapors. I. I. Bondarenko, I. K. Guskov, M. A. Lebedev. *Zhur. tekh. fiz.* 35 no. 4: 751-758 Ap '65

Stabilization of the alternating current arc in argon arc welding of structural steel. A. G. Simonik. *Svar. proizv.* no. 3: 28-30 Mr '65

System for stabilizing the length of the arc in argon arc welding with a nonconsumable electrode and a direct current. I. U. I. Stelbov, V. V. Vladimirov, F. E. Barutkin. *Svar. proizv.* no. 3: 36-37 Mr '65

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC BRUSHES see Brushes, Electric

## ELECTRIC CABLES

Electrical heating of a moving wire V. M. Rikonen, I. U. S. Melnikov *Elektrotehnika* 36 no. 5:53-55 My '65

Gungl, A. A. [Construction of overhead and cable communication lines, manual] *Montazh vozdukhnykh i kabel'nykh liniy aviatsii, uchebnoe posobie*. Moskva, Mosk. elektrotekh. in-t svyazi, Pt. 1, 1962, 139 p.

[MICROFILM]

Overall mechanized area for finishing electric cables A. I. Goncharov *Mashinostroitel'* no. 4:3 Ap '65.

Statistical evaluation of the maladjustment of short-circuit current to ground compensation in a large cable network T. Ukhair, A. P. Eneig. *Elektrotekh. prom* no. 11:11-11 Ja-Mr '65.

## ELECTRIC CABLES—CATHODIC PROTECTION

Polarized curves of the aluminum sheathing of a communications cable in solonchak media F. Z. Fishgang *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 3:90 '65.

## ELECTRIC CAPACITANCE—MEASUREMENT

Capacitance measuring device. A. Vederkin *Radio* no. 4:51-53 Ap '65

## ELECTRIC CHARGE AND DISTRIBUTION

Sign of the charge of fruit juice residues. A. F. Fan-Yung (Fan Yung), T. F. Zykhina. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 1:83-85 '65

## ELECTRIC CIRCUITS

Determining the quality factor of a nonlinear circuit. N. G. Kharatishvili. *Izv. vys. ucheb. zav., prib.* 8 no. 2:11-13 '65.

Methods of mathematical recording of the connections of complex electric circuits. M. H. Maksymovych *Dop. AN URSR* no. 5:570-572 '65.

## ELECTRIC COILS—QUALITY CONTROL

Serebrenitskii, P. P., and V. N. Chekov. [Computing and control devices for winding machines] *Schetno-komandnye ustroystva k namotocnym stankam*. Leningrad, 1965. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt, Seriya. Tekhnologiya proizvodstva radioelektronnoi apparatury)

## ELECTRIC CONDUCTIVITY

Measurement of the electroconductivity of semiconductors by the contact method under pressure. D. Tass, B. F. Ormont. *Izv. AN SSSR, Neorg. mat.* 1 no. 1:150-159 Ja '65.

## ELECTRIC CONDUCTORS

Approximation method for calculating the capacity of conductors on a dielectric layer. V. P. Zakharjuta, I. B. Simonenko, V. I. Ildovich. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:247-253 '65.

## ELECTRIC CONTACTORS

Effect of silicon on the formation and properties of tungsten-nickel-copper contacts. O. K. Teodorovich, G. V. Levenchenko, O. L. Vlasenko, Porosh. met. 5 no. 5:58-62 My '65.

Electric contactors made of Ag-CdO and prepared by the method of internal oxidation Stanislaw Stolarz. *Porosh. met.* 5 no. 1:94-105 Mr '65.

Taev, I. S. [Calculation of contactors and current conducting parts of electrical apparatus, manual for course and diploma projects] *Raschet kontaktov i tokovedushchikh chastei elektricheskikh apparatov; uchebnoe posobie dlia kursovogo i diplomnogo proektirovaniia*. Red. M. G. Borodina. Moskva, Energ. in-t, 1964. 50 p.

## ELECTRIC CONTROLLERS

Determination of the reliability of automatic regulators under operational conditions in thermal electric power plants. B. L. Solianik, M. A. Iastobenetskii, G. P. Komarov. *Teplotengetika* 12 no. 4:29-32 Ap '65

Electromechanical differentiating element. D. Balnov, I. Bifazov, I. Zaprianov. *Priborostroenie* no. 4:11-12 Ap '65.

## ELECTRIC CONTROLLERS—STANDARDS

Standardization of electric actuating units used in automatic control systems. Sh. G. Valesian. *Priborostroenie* no. 4:21-22 Ap '65.

## ELECTRIC CRANES

Borodina, I. U. P. [Operator of electric cranes] *Mashinist elektricheskogo kрана*. Moskva, Metallurgiya, 1965. 275 p.

## ELECTRIC CURRENT COLLECTORS

Current take-off used in strain measurements on rotating parts. S. A. Lapshin. *Avt. prom.* 31 no. 5:35-37 My '65.

## ELECTRIC CURRENT CONVERTERS

Analysis and method for calculating the circuit of a regulated inverter L. A. Raskin. *Elektrotehnika* 36 no. 5:1-6 My '65

Conversion of direct current into alternating current with controlled frequency for electric transport systems. G. P. Dolabridze. *Elektrotehnika* 36 no. 4:58-62 Ap '65.

Leningrad. Institut elektromekhaniki. [Automated electric drives; servo systems, control, and converter devices] *Automatizirovannyi elektroprivod; slediaschie sistemy, upravlenie i preobrazovatel'nye ustroistva*. Moskva, Nauka, 1965. 172 p.

Leningrad. Institut elektromekhaniki. [Electrical equipment and operating modes of electric power systems] *Elektrooborudovanie i rezhimy elektocenergeticheskikh sistem*. Moskva, Nauka, 1965. 114 p.

The PDPA-12/20 transistorized converter Avtom., telemekh. i svyaz' 9 no. 5:45 My '65.

Reliable performance of the inverter. K. I. Skobelev, V. P. Kruchinin. *Zh. dos. i izm. 47* no. 3:49-52 Mr '65.

Use of 240 c.p.s. converters in the power supply of small shearing machines I. U. I. Kramarov, B. D. Karpukhin. *Trakt. i sel'khoz. mash.* no. 3:30-31 Mr '65.

## ELECTRIC CURRENT RECTIFIERS

Rectification of a current by an electroluminescent capacitor. I. U. P. Chukova, M. V. Pok. *Zhur. tekhn. fiz.* 35 no. 4:762-768 Ap '65

Stability of the characteristics of power rectifiers under operational conditions D. P. Brunshtein. *Elektrotehnika* 36 no. 5:58-60 My '65.

## ELECTRIC CURRENT RECTIFIERS—SAFETY MEASURES

Selection of a protection system and method for its setting during short-circuits in a silicon rectifier. V. G. Timurdzh. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:316-323 '65.

## ELECTRIC CURRENT RECTIFIERS—TESTING

Method for checking the selenium rectifiers of tachometer generators F. I. Butenko. *Elektr. i tepl. tiz. 6* no. 3:31 Mr '62.

## ELECTRIC CURRENTS

Method for eliminating a minimum current in the load of a magnetic amplifier O. M. Miliakh, K. O. Lypkivskiy. *Dop. AN URSR* no. 5:503-506 '65.

## ELECTRIC CURRENTS—GROUNDING

Dependence of the grounding resistance on the dimensions of the grounding device. M. R. Naifeld. *Elektrichestvo* no. 4:89-90 Ap '65.

## ELECTRIC CURRENTS—HEATING EFFECTS

Low frequency breaking of rock. V. V. Rzhavskii, I. U. I. Protasov, V. B. Dobretsov. *Gor. zhur.* no. 4:37-39 Ap '65

## ELECTRIC CUTTING MACHINERY

Boiling water cuts armor plates. L. M. Proshchenko. *Izobr. i rats.* no. 4:14-15 '65.

## ELECTRIC DISCHARGES

Development of the channel of a surface spark discharge. E. V. Danilov. *Zhur. tekhn. fiz.* 35 no. 4:769-771 Ap '65.

Estimation of the temperature in the channel of a pulse discharge in liquids. G. A. Bopp. *Opt. i spekt.* 18 no. 3:529-530 Mr '65.

Study of moving striata in a d.c. discharge. A. A. Zaitsev, G. S. Leonov. *Radiotekh. i elektron.* 10 no. 5:923-921 My '65.

## ELECTRIC DISCHARGES THROUGH GASES—SPECTRA

Wavelength dependence of the time variation of the spectral density of radiation from a high-pressure pulse discharge. F. A. Charnia, Z. G. Iakob. *Opt. i spekt.* 18 no. 3:530-531 Mr '65.

## ELECTRIC DRIVING

Analysis of feedback systems in automated electric drives V. L. Ankhimov, O. P. Ulin. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 4:441-449 Mr '65.

Leningrad. Institut elektromekhaniki. [Automated electric drives; servo systems, control, and converter devices] *Automatizirovannyi elektroprivod; slediaschie sistemy, upravlenie i preobrazovatel'nye ustroistva*. Moskva, Nauka, 1965. 172 p.

Sokolov, N. G. [Principles of the design of electric drives] *Osnovy konstruirovaniia elektroprivodov*. Moskva, Energiia, 1965. 287 p.

Sozonov, V. G. [Electronically excited electric drives] *Tonnyi elektroprivod*. Moskva, Energiia, 1965. 149 p.

Zytnov, D. Ia., and A. Ia. Kirinich. [Automated control of the electric drives of continuous-line systems] *Automatizirovannoe upravlenie elektroprivodami potочно-transportnykh sistem*. Moskva, Energiia, 1965. 207 p.

## ELECTRIC DRIVING—PATENTS

Finger, A. A. [Electronically excited regulated industrial electric drives] *Reguliruemyy tonnyi elektroprivod dlia promyshlennogo oborudovaniia*. Moskva, TsNIPI, 1964. 34 p. (Obzor otechestvennykh i zarubezhnykh izobretenii)

## ELECTRIC ENGINEERING

All-Union competition on the best inventions and suggestions on efficiency measures. *Elektrichestvo* no. 4:96-99 Ap '65.

Scientific and technical problems in the power and electric engineering D. G. Zhimerin. *Bul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 2:40-43 F '65.

## ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] *Ref. zhur. Elektr. i energ.* no. 5 My '65.

ELECTRIC ENGINEERING—ACCOUNTING see subdivision under Ust'-Kamenogorsk

## ELECTRIC ENGINEERING—AUDIO-VISUAL AIDS

New educational motion pictures Z. V. Zin'ko. *Elektr. i tepl. tiz. 6* no. 3:37 Mr '62.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC EQUIPMENT INDUSTRY see subdivision under Kharkov; Kiev

## ELECTRIC EQUIPMENT INDUSTRY—QUALITY CONTROL

Toward higher universal standards I. A. Agapov. *Avtom., telemekh. i svyaz'* 9 no. 4:46-47 Ap '65.

## ELECTRIC FIELDS

Effect of interelectrode compression of the structure of plastic lubricants. I. U. F. Deineha. *Dop. AN URSR* no. 5:615-618 '65

Effect of strong electrostatic fields on the structure of the polymer formed in the polymerization of methyl methacrylate. I. U. B. Amerik, B. A. Krentsel', M. V. Shishkina. *Dokl. AN SSSR* 162 no. 2:304-305 My '65.

Ionization of doubly excited atoms in an electric field. D. I. Khomskii. *Opt. i spekt.* 18 no. 3:524-525 Mr '65.

Quantum levels of electrons in semiconductors in the presence of a strong electric field. I. U. A. Bychkov, A. M. Dydyne. *Zhur. eksp. i teor. fiz.* 48 no. 4:1174-1178 Ap '65

Simultaneous effect of an electric field and ultraviolet radiation on the luminescence of ZnS-Mn phosphor sublimate. N. A. Vlasenko. *Opt. i spekt.* 18 no. 3:481-486 Mr '65.

Thermal ionization of impurity centers in the presence of an external electric field. A. G. Cheban. *Fiz. tver. tela* 7 no. 5:1303-1311 My '65.

## ELECTRIC FILTERS

Calculation of a high-frequency magnetostriction converter. A. S. Volkov. *Radiotekh. i elektron.* 10 no. 4:625-634 Ap '65.

Construction of the transfer characteristics of comb filters. M. I. Finkel'shtein. *Radiotekh. i elektron.* 10 no. 4:614-617 Ap '65.

Phase equalization of electric filters. S. S. Kogan. *Elektrosvyaz'* 10 no. 3:53-54 Mr '65.

## ELECTRIC FISHING

Highly sensitive null indicator on ships I. U. I. Bykhovskii, I. A. Stechegolev. *Ryb. khoz.* 41 no. 4:34-37 '65

Methods of electric fishing in freshwater bodies. M. R. Maizelis. *Ryb. khoz.* 41 no. 4:50-52 '65.

Methods of electric fishing in the inland bodies of water. M. R. Maizelis. *Ryb. khoz.* 41 no. 3:49-53 '65

Selection of light arrangement in electric fishing. I. V. Nikonorov. *Ryb. khoz.* 41 no. 3:41-43 '65.

## ELECTRIC FURNACES

Automatic regulator for induction smelting systems using commercial frequencies. D. A. Gligaris, I. A. A. Polshchuk, E. P. Kolganov. *Elektrotehnika* 36 no. 5:30-32 My '65.

Calculation of asymmetrical electrical conditions of steel-smelting arc furnaces. S. V. Alekseev. *Elektrotehnika* 36 no. 5:55-58 My '65

Graphical design of three-phase electric arc furnaces. O. V. Barannik. *Izv. vys. ucheb. zav.; elektromekh.* 7 no. 7:787-803 '64.

Khitrak, S. I., ed. [Manufacture and operation of continuously self-annealing electrodes and anodes] *Proizvodstvo i ekspluatatsiia neperyvnykh samoozhigayushchikh elektrodov i anodov*. [By] M. I. Gasik i dr. [Moskva] Metallurgiya, 1965. 254 p.

Prospects for the use of induction channel furnaces for smelting aluminum and its alloys. A. N. Kuznetsov. *TSvet. met.* 38 no. 4:80-83 Ap '65.

Thermal insulation of graphitizing furnaces. M. N. Dorzhiev, B. M. Kuzlin, E. A. Shuvaev. *TSvet. met.* 38 no. 4:87-88 Ap '65.



## ELECTRIC FURNACES (Continued)

**Zolotov, B. V.** [Arc furnaces. Electric characteristics of arc furnaces, summary of lectures.] Dugovye pechi. Elektricheskie kharakteristiki dugovykh pechei, fon-speki i kishli. Red. M. I. Smul'skii. Moskva, Energeticheskii in-t, 1964. 114 p.

## ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

Changing the design of the D'K furnaces. G. I. Chirzhikov. Izv. vuzov, no. 6-36 Je '64.

Conference on more efficient furnace designs for melting aluminum alloys. A. D. Andreev, V. A. Zasyukin, M. A. Istrin. Tsvetmet, 38 no. 4-73-80 Ap '65.

Hammed lining of the walls and arch of a steel-making arc furnace. I. I. Semenovich. Lit. proizv., no. 6-36 Je '64.

## ELECTRIC FURNACES—MAINTENANCE AND REPAIR

Mechanizing the patching of steel furnaces. B. A. Astasov, V. S. Privalov. Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., 18 no. 3-12-14 Mr '65.

## ELECTRIC GAS WELL DRILLING see Gas well drilling, Electric

## ELECTRIC GENERATORS

Effect of external reactive resistance on the self-excitation conditions of a generator feeding a half-wave tuned line. D. G. Kolotilova. Trudy Sib. nauch.-issl. inst. energ., no. 1-61-69 '64.

Nature of the instability of a synchronous generator with a capacitive load. V. V. Bushuev. Trudy Sib. nauch.-issl. inst. energ., no. 1-65-60 '64.

Single-phase synchronous generator using a reverse synchronous field. M. V. Antonov, V. I. Radin. Elektrotehnika, 36 no. 5-7-10 My '65.

Use of an analog computer in modeling a generator with a capacitive load. V. V. Bushuev. Trudy Sib. nauch.-issl. inst. energ., no. 1-45-55 '64.

Use of the third harmonic of the field for the excitation of synchronous generators. M. V. Antonov, V. I. Radin, V. N. Troshin. Izv. vuzov, ucheb. zav.; elektromekh., 8 no. 3-300-305 '65.

## ELECTRIC GENERATORS—SAFETY MEASURES

Transistorized overload protection system of transformers and generators. E. I. Malakhovskii, E. A. Mukhomorov. Energ. i elektrotekh. prom., no. 1-17-18 Ja-Mr '65.

## ELECTRIC HOUSEHOLD APPLIANCES see Household appliances, Electric

## ELECTRIC INDUSTRY WORKERS—EDUCATION AND TRAINING

Inexhaustible possibilities. T. Eremin. Prof.-tekh. obr., 22 no. 4-25-27 Ap '65.

Orders from the industry providing vocational training as a basis for the training of electricians. A. Davydov. Prof.-tekh. obr., 22 no. 2-7 F '65.

## ELECTRIC INSULATORS AND INSULATION

**Artem'ev, D. E., N. N. Tikhodeev, and S. S. Shur.** [Statistical principles of the selection of the insulation of power transmission lines with potentials of a high order; switching surges and electrical characteristics of insulation.] Statisticheskie osnovy vybora izolyatsii liniy elektropredachi vysshikh klassov napriazheniya, kommutatsionnye perenapriazheniya i elektricheskie kharakteristiki izolyatsii. Pod red. N. N. Shchedrina. Moskva, Energiya, 1965. 375 p.

Dielectric coatings achieved by a vortical spraying technique. A. K. Vardenburg, P. M. Filipposian, O. S. Khas'kin. Elektrotehnika, 36 no. 4-34-37 Ap '65.

Electrical strength of power line insulators with different degrees of contamination. G. N. Aleksandrov, Ku. Lo-Kuang. Elektrotehnika, 36 no. 4-38-41 Ap '65.

Heat conductivity of winding wire insulation. Y. A. Privezentsev, E. T. Larina. Elektrotehnika, 36 no. 4: 63-64 Ap '65.

## ELECTRIC INSULATORS AND INSULATION—TESTING

**Kossanikh, R. M.** [Methods for laboratory testing of electric insulating materials.] Metody laboratornykh issledovaniy elektroiizolyatsionnykh materialov. Moskva, Vysshaya shkola, 1964. 210 p.

(MICROFILM)

## ELECTRIC LAMPS see subdivision under Azerbaijan

## ELECTRIC LAMPS, INCANDESCENT—FILAMENTS

Substituting nickel electrodes in incandescent lamps. M. I. Fogenfirov. Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., 18 no. 2-45-46 F '65.

## ELECTRIC LIGHTING OF SHIPS

**Noravskii, B. I., and I. A. Tarasov.** [Electrical equipment of ship and shore stations and substations.] Elektricheskie oborudovaniye beregovykh i sudovykh stantsii i podstantsii. Moskva, Transport, 1965. 334 p.

## ELECTRIC LINES

Electromagnetic stability of half-wave and tuned two-circuit power transmission lines with disconnection of a circuit in one of the sections. A. Kh. Kalizhevskii. Trudy Sib. nauch.-issl. inst. energ., no. 1-70-77 '64.

Investigating methods for selecting wire sizes for oil-field networks. A. A. Spirin, I. A. Bashirov. Izv. vuzov, ucheb. zav., netf. i gaz., 8 no. 1-64 '65.

Joint operation of tuned power transmission lines with intermediate systems. V. K. Shcherbakov and others. Trudy Sib. nauch.-issl. inst. energ., no. 1-40-11 '64.

Networks and carrying capacity of tuned electric power transmission lines. V. K. Shcherbakov, O. V. Olshevskii. Trudy Sib. nauch.-issl. inst. energ., no. 1-13-15 '64.

Networks for connecting the condenser batteries of tuned electric power transmission lines. F. Z. Khakimov. Trudy Sib. nauch.-issl. inst. energ., no. 1-16-23 '64.

Some characteristics of series-parallel coupling networks of intermediate power systems with long-distance power transmission lines. G. V. Vorobiev. Trudy Sib. nauch.-issl. inst. energ., no. 1-24-39 '64.

Use of a digital computer for calculating internal overvoltages of half-wave tuned lines. B. I. Kovalev. Trudy Sib. nauch.-issl. inst. energ., no. 1-78-82 '64.

Use of an active three-terminal network technique in the calculation of complex nonsymmetrical modes of long-distance power transmission lines. E. P. Kashevich. Trudy Sib. nauch.-issl. inst. energ., no. 1-101-108 '64.

## ELECTRIC LINES—EQUIPMENT AND SUPPLIES

Carts for unrolling one or three wires in constructing electric lines. A. A. Ravkin. Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., 18 no. 3: 44-45 Mr '65.

## ELECTRIC LINES—OVERHEAD

Articulated brace for the installation of the diamond-shaped overhead catenary suspension. V. I. Nikolov. Elek. i tepl. tuga, 9 no. 3-12 Mr '65.

Electrical strength of an air gap between the wire of a superhigh voltage transmission line and ground in the presence of internal overvoltages. G. N. Aleksandrov, V. L. Ivanov, V. P. Redkov. Elektricheskoe no. 1-20-24 Ap '65.

Electrical strength of power line insulators with different degrees of contamination. G. N. Aleksandrov, Ku. Lo-Kuang. Elektrotehnika, 36 no. 4-38-41 Ap '65.

Frequency parameters of 10 kv three-phase lines on overhead structures. E. A. Kolodchevskii, A. S. Sergitskii. Vest. TSNII MPS, 24 no. 2-9-13 '65.

## ELECTRIC LINES—POLES AND TOWERS

Electrical strength of an air gap between the wire of a superhigh voltage transmission line and ground in the presence of internal overvoltages. G. N. Aleksandrov, V. L. Ivanov, V. P. Redkov. Elektricheskoe no. 4-20-24 Ap '65.

## ELECTRIC LINES—SAFETY MEASURES

Combined tests of valve-type dischargers. E. E. Ivatskii. Elektrotehnika, 36 no. 4-49-53 Ap '65.

Two-stage transistorized directional overcurrent protection system of 110-220 kv lines from interphase short-circuits. V. A. Sinelnikov, O. A. Olanishin. Energ. i elektrotekh. prom., no. 1-20-22 Ja-Mr '65.

## ELECTRIC LINES—TESTING

Elimination of a fault in the circuit of a device for signaling short-circuits to ground. M. N. Adaskin. Avtom., telem. i svyaz', 9 no. 5-43 My '65.

## ELECTRIC LOCOMOTIVES

**Bystrikhii, Kh. Ia., Z. M. Dubrovskii, and B. N. Rebrlik.** [Construction and operation of a.c. locomotives.] Ustroistvo i rabota elektrovozov peremennogo toka. Moskva, Transport, 1965. 446 p. (insert) Electric locomotives prove to be effective in switching operations. R. Z. Nurmukhamedov, V. M. Timoshkov. Zhel. dor. transp., 47 no. 3-26-28 Mr '65.

The N60 electric locomotive should be reliable in operation. V. A. Blagochevskii. Elek. i tepl. tuga, 6 no. 3: 4 Mr '62.

New educational motion pictures. Z. V. Zin'ko. Elek. i tepl. tuga, 6 no. 3-37 Mr '62.

Our requirements to electric locomotive manufacturers. D. P. Rimbovskii. Elek. i tepl. tuga, 6 no. 3-32-3 Mr '62.

Some recommendations on the operation of the N60 electric locomotive. G. A. Polshvanyov, V. V. Shebeko. Elek. i tepl. tuga, 6 no. 3-29-31 Mr '62.

Standardization of electric mine locomotives. P. I. Rapoport. Standartizatsia, 29 no. 3-27-31 Mr '65.

What can be learned from the experience in the operation of type 2i-EM-1 industrial electric locomotives. F. M. Sterlin. Elek. i tepl. tuga, 9 no. 3-17-18 Mr '65.

## ELECTRIC LOCOMOTIVES—BRAKES

Efficiency of the use of regeneration braking on a.c. electric locomotives. I. G. Mochenov, L. I. Skiba. Elek. i tepl. tuga, 9 no. 3-3-5 Mr '65.

Electric series ChS2T passenger locomotive with rheostatic braking. V. A. Rakov. Elek. i tepl. tuga, 9 no. 3-24-26 Mr '65.

Regeneration braking on electric a.c. locomotives. M. G. Bykov, M. I. Gingold. Zhel. dor. transp., 47 no. 3-61-62 Mr '65.

Reliable performance of the hydraulic. K. I. Skokolev, V. P. Kuchinina. Zhel. dor. transp., 47 no. 3-48-50 Mr '65.

Safety brake pedal on electric locomotives. G. A. Ilichin. Bezop. truda v prom., 0 no. 4-10-50 Ap '65.

## ELECTRIC LOCOMOTIVES—COOLING

Control of the temperature of the cooling of ignitrons on series VL60 a.c. locomotives. M. A. Kator, V. I. Pokromski. Elek. i tepl. tuga, 9 no. 3-34-35 Mr '65.

## ELECTRIC LOCOMOTIVES—DESIGN AND CONSTRUCTION

**Alkin, R. I., and others.** [VL60 electric locomotive.] Elektrivoz VA60. Novocherkassk, 1964. 233 p. (Novocherkassk. Nauchno-issledovatel'skii institut elektrovostoitroeniia. Sbornik nauchnykh trudov, vol. 6)

## ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT

Improved ignition and protection network of electric locomotives. I. N. Rchirik. Elek. i tepl. tuga, 6 no. 3-32-33 Mr '62.

Some faults of a gang switch. A. D. Tostykh. Elek. i tepl. tuga, 6 no. 3-27-28 Mr '62.

## ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

Instructive lesson. N. V. Romanov. Mlk. i tepl. tuga, 6 no. 3-26-27 Mr '62.

Large-unit replacement and lifting system of electric locomotive repair. V. I. Lihov, M. A. Morozov. Zhel. dor. transp., 47 no. 3-30-41 Mr '65.

A useful manual for locomotive crown and repair workers. V. A. Rakov. Elek. i tepl. tuga, 6 no. 3-30 Mr '62.

The way it happened... A. G. Khilinskii. Elek. i tepl. tuga, 9 no. 3-30-31 Mr '65.

## ELECTRIC LOCOMOTIVES—SAFETY APPLIANCES

Disconnection of the HV protection system should be tape recorded. I. A. Stefanovich. Elek. i tepl. tuga, 9 no. 3-21 Mr '65.

## ELECTRIC MACHINERY

**Alibayev, M. I.** [General theory of electric machinery on ships.] Oshchitnaia teoriia sudovykh elektricheskikh mashin. Leningrad, Sudostroenie, 1965. 300 p.

Compensation of a fluctuating magnetic field in asynchronous machines and induction pumps with open magnetic circuits. A. I. Vol'dek. Elektricheskoe no. 4-50-53 Ap '65.

Magnetizing force of a "squirrel cage" with a nonuniform pitch. A. I. Dul'kin. Elektricheskoe no. 4-57-62 Ap '65.

## ELECTRIC MACHINERY—ALTERNATING CURRENT

**Treshchev, I. I.** [Asymmetrical operating modes of a.c. machines of ships.] Nesimmetrichnye rezhimy sudovykh mashin peremennogo toka. Leningrad, Sudostroenie, 1965. 247 p.

## ELECTRIC MACHINERY—COOLING

Calculation of the heating of an electrical machine using an equivalent heat network method with cooling air split on a number of sections. I. P. Bolinaev. Izv. vuzov, ucheb. zav.; elektromekh., 8 no. 3-281-200 '65.

Study of built-in centrifugal fans of electrical machines. V. I. Vinogradov, A. I. Kuz'min. Elektrotehnika, 36 no. 5-43-45 My '65.

## ELECTRIC MACHINERY—DIRECT CURRENT

**Akademii nauk SSSR. Institut nauchnoi informatsii.**

[Electrical machinery: d.c. machines, asynchronous motors, 1961-1963.] Elektricheskie mashiny, mashiny postoiannogo toka, asinkhronnye elektrodvigateli, 1961-1963. Moskva, 1964. 203 p. (Itogi nauki i tekhniki)

Calculation of the inductance of a groove in the presence of damping. I. B. Bitlutskii. Izv. vuzov, ucheb. zav.; elektromekh., 8 no. 3-306-316 '65.

Eccentricity of the collectors of d.c. machines at high angular velocities. K. K. Namitkov, V. G. Brezinskii, B. B. Kats. Elektrotehnika, 36 no. 4-44-46 Ap '65.

## ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Improve the planning of the repair of electric equipment and apparatus. V. F. Kobevnik. Gor. zhur., no. 6: 39-41 My '65.

## ELECTRIC MACHINERY—PARTS

Standardization of specialized foundry equipment for cutting magnetic wire strips for electric machines. S. D. Sit'pol'man, G. S. Lin, A. F. Shtrilov. Kuz.-stam. proizv., 6 no. 12-33 D '64.

## ELECTRIC MACHINERY—SAFETY MEASURES

Inflammability of petroleum gas-vapor mixtures. A. I. Sultanovich, D. N. Bol'sher. Bezop. truda v prom., 0 no. 5: 24-26 My '65.

Results of inspecting electric mine equipment. S. B. Gontin, S. P. Sarayev, V. B. Trunov. Bezop. truda v prom., 0 no. 4-7-9 Ap '65.

## ELECTRIC MACHINERY—WINDINGS

Heat conductivity of winding wire insulation. V. A. Privetentsev, E. T. Larina. *Elektrrotekhnika* 36 no. 4: 63-64 Ap '65.

Switching characteristics of stepped armature windings of d.c. machines. V. P. Tolokunov. *Elektrrotekhnika* 36 no. 5:10-11 My '65.

## ELECTRIC MACHINERY, SYNCHRONOUS

Experimental determination of synchronous reactances. G. A. Parkhomenko, V. S. Spannuk. *Elektrrotekhnika* 36 no. 5:51-52 My '65.

Magnetic field of the damping winding of a synchronous salient-pole machine. A. I. Dul'kin. *Elektrrotekhnika* 36 no. 5:60-63 My '65.

Systems of relative units of the rotor circuits of synchronous machines. I. S. Lukashov. *Trudy Sib nauch.-issl. inst. energ.* no. 1:109-117 '61.

Use of an electric integrator in calculating stray fields of the rotor of a synchronous machine. E. I. Anishchenko, V. M. Kirpichnikov, N. S. Slunov. *Izv. vys. ucheb. zav., elektromekh.* 7 no. 7:837-847 '64.

Use of elliptical functions in the analysis of the dynamic stability of synchronous machines. D. A. Arzamastsev, M. P. Rudnik. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:201-209 '65.

## ELECTRIC MACHINERY INDUSTRY

Petrova, N. A. [Mechanical processing of glass plastics, experience of the "Elektrosila" Plant of the Association of Electric Machinery Industries] *Mekhanicheskaya obrabotka stekloplastikov, opyt zavoda "Elektrosila" elektromashinostrotel'nogo ob'edineniya*. Leningrad, 1965. 25 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy. Proizvodstvennyy opyt. Seriya "Mekhanicheskaya obrabotka metallov")

## ELECTRIC MEASUREMENTS

Accuracy of the determination of permeability and specific inductive capacitance using the method of two places. G. I. Gladyshev, I. A. Egorshin. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:118-121 Ja-'65.

Device for measuring oscillations and voltage deviations in an electrical network. I. I. Martynenko, V. P. Taras. *Trudy Sib nauch.-issl. inst. energ.* no. 1:22-23 Ja-Mi '65.

Noncontact measurement system with a resistance pickups on rotating parts. L. P. Egorchev. *Izv. tekhn.* no. 3: 25-27 Mr '65.

Plotting of a d.c. magnetization curve using a bridge circuit. A. G. Zdrok, G. L. Kazenas. *Elektrrotekhnika* 36 no. 5:40 My '65.

Prospects of measuring techniques in long-distance wire communication lines. G. V. Dem'ianchenko. *Vest. svyazi* 25 no. 3:3-5 Mr '65.

## ELECTRIC MEASUREMENTS—CONGRESSES

Konferentsiya po avtomaticheskoy kontroli i metodam elektricheskikh izmereniy. 3d. Novosibirsk, 1964. [Automatic control and electric measurement techniques; transactions] *Avtomaticheskii kontrol' i metody elektricheskikh izmereniy*, trudy. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niya AN SSSR.

Vol. 2. [Digital measuring devices. Electrical measurements of nonelectrical values. Systems of automatic control and regulation in industry] *TSifrovyye izmeritel'nye pribory. Elektricheskie izmereniya neelektricheskikh velichin. Ustroystva avtomaticheskogo kontrolia i upravleniya v promyshlennosti*, 1964. 248 p.

Konferentsiya po avtomaticheskoy kontroli i metodam elektricheskikh izmereniy. 4th. Novosibirsk, 1964. [Automatic control and electric measurement techniques; transactions] *Avtomaticheskii kontrol' i metody elektricheskikh izmereniy*, trudy. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niya AN SSSR.

Vol. 2. [Theory of instrument data systems. Systems of automatic control. Electrical measurements of nonelectrical values] *Teoriya izmeritel'nykh informatsionnykh sistem. Sistemy avtomaticheskogo kontrolia. Elektricheskie izmereniya neelektricheskikh velichin*, 1964. 227 p.

## ELECTRIC MEASUREMENTS—STANDARDS

[Electric measuring devices] *Elektrizmeritel'nye pribory*, Izd. oftisat'noe. Moskva, Izd-vo Standartov, 1965. 432 p. (SSSR, Gosudarstvennyy standarty)

## ELECTRIC METAL CUTTING

Double arc formation during gas-arc cutting. V. A. Gubenko, K. V. Bagdasaryan. *Svar. proizv.* no. 3:25-26 Mr '65.

Electrochemical finishing after electric pulse machining. S. Kandian, K. Mndzhoian, A. Sarkisiah. *Prom. Arm.* 8 no. 3:63-66 Mr '65.

Tool-feed direction in electric-pulse machining of form surfaces. S. I. A. Babin, V. E. Polotskiy. *Stan. i instr.* 36 no. 5:34-35 My '65.

Using electric erosion methods in manufacturing hard-alloy chasers. S. S. Chetverikov, E. G. Shumov. *Stan. i instr.* 36 no. 4:25-26 Ap '65.

## ELECTRIC METAL CUTTING—CONGRESSES

All-Union seminar on the use of a confined arc for welding and cutting. K. V. Vasil'ev. *Svar. proizv.* no. 3:44-45 Mr '65.

## ELECTRIC METERS

Specification of the characteristics of the MZ-1 (IMM-6) transistor low-power meter. V. I. Pronenko, B. N. Skudnyi. *Izv. tekhn.* no. 3:51-52 Mr '65.

## ELECTRIC MOMENTS

Correlation of the dissociation constants of carboxylic acids RCOOH and Taft's  $\sigma$ -constants with the nuclear quadrupole resonance frequencies of halogens in RfAl-type compounds. E. N. TSvetkov and others. *Dokl. AN SSSR* 161 no. 5:1102-1105 Ap '65.

## ELECTRIC MOTORS

An amazing motor. V. Nanih, E. Bessmertnyy. *Izobr. i izv.* no. 5:15 '65.

Comparison of three-phase synchronous reactive, synchronous and asynchronous motors. E. V. Kononenko. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 4:397-401 Mr '65.

Design of reactive stepping motors. V. M. Kazanskii, V. V. Zhulovian. *Elektricheskoye no.* 4:53-58 Ap '65.

Electric motors manufactured by the T'P'n factory. L. TSyganova. *Radio* no. 4:27-29 Ap '65.

Electric motors with rolling rotors and stepped-up frequency. V. P. Nanih, E. I. Bessmertnyy. *Elektrrotekhnika* 36 no. 4:32-34 Ap '65.

Self-start system of low-voltage electric motors. P. Z. Lamin, B. A. Kulikov, F. P. Volovik. *Energ. i elektrotekh. prom.* no. 1:60 Ja-Mi '65.

Some characteristics of step-by-step motors. D. S. Borisov, V. P. Gusev, A. E. Kobrinskiy. *Mashinovedeniye* no. 1:14-16 '65.

## ELECTRIC MOTORS—PARTS

Present state of the manufacture of electric motor rotors and stators. N. I. Kolesov, V. S. Kuchel'man, S. E. Rozenfeld. *Lit. proizv.* no. 6:39-43 Ja '64.

## ELECTRIC MOTORS—SAFETY MEASURES

Studying circuits for preventing three-phase motors from working on two phases. I. U. N. Sadkov, S. A. Gorbunov, A. P. Fomichev. *Sbor. stud. rab. VMI* no. 3:75-80 '63.

## ELECTRIC MOTORS, DIRECT CURRENT

New miniature d.c. motors with speed stabilization. E. A. Lodochnikov, E. A. TSirlin, V. G. Sheminov. *Elektrrotekhnika* 36 no. 4:20-30 Ap '65.

Quick-response d.c. motors for high-speed automatic systems. B. K. Karpenko. *Elektrrotekhnika* 36 no. 4: 26-28 Ap '65.

Reversible collectorless d.c. drive with a transformer commutator. V. V. TSokanov. *Izv. vys. ucheb. zav., elektromekh.* 7 no. 7:889-892 '64.

## ELECTRIC MOTORS, INDUCTION

Additional idling losses in the short-circuited rotor windings of asynchronous motors. V. I. Levin. *Elektrrotekhnika* 36 no. 5:47-51 My '65.

Akademiya nauk SSSR. Institut nauchnoy informatsii. [Electrical machinery, d.c. machines, asynchronous motors, 1961-1963] *Elektricheskie mashiny; mashiny postolannogo toka, asinkhronnye elektrodvigateli*, 1961-1963. Moskva, 1964. 263 p. (Itogi nauki i tekhniki)

Design of an a.c. servo drive optimum in respect to response and accuracy with digital program control. V. A. Shubenko, I. I. A. Braslavskiy, A. D. Giddebrand. *Izv. vys. ucheb. zav., gor. zhur.* 8 no. 2:128-135 '65.

Determination of the starting time of an asynchronous motor. B. V. Men'kov. *Elektrrotekhnika* 36 no. 4:31 Ap '65.

Effect of the nonlinearity of the mechanical characteristics of regulated induction motors on their operating characteristics. P. I. U. Kazik. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 4:412-420 Mr '65.

Electric motors with a 0.6 to 100 kilowatt capacity of the new unified series A02-02-4. B. K. Filippov. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 3:33-34 Mr '65.

Investigating the operation of an asynchronous motor with nonsymmetrical fractional winding. S. S. Pefilov, N. I. Chernoplatov. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:350-353 '65.

Mechanical characteristics of an asynchronous three-phase motor with a capacitor in the rotor circuit (series connection). V. V. Perogudov. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:332-335 '65.

Possibility of increasing the actual power coefficient of three-phase asynchronous motors by means of forced rotor oscillations. F. Kh. Bellaev. *Izv. vys. ucheb. zav., elektromekh.* 7 no. 7:858-867 '64.

Principles of the design of axial asynchronous motors with printed windings. B. A. Nikitin. *Energ. i elektrotekh. prom.* no. 1:40-42 Ja-Mr '65.

Regenerative braking of an asynchronous drive with a long shaft. A. A. Mezhumov. *Elektricheskoye no.* 4:82-85 Ap '65.

Simplified calculation of the currents of single-phase asynchronous motors. G. V. Ivanova. *Elektrrotekhnika* 36 no. 4:37 Ap '65.

Single-phase motors with active start assistances. A. I. Adamenko, V. I. Kiselev, V. A. Shurub. *Energ. i elektrotekh. prom.* no. 1:31-35 Ja-Mr '65.

Studying of the dynamic processes of an asynchronous electric drive with a saturable reactor using an analog computer. I. I. Rotkop. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 1:102-111 Mr '65.

## ELECTRIC MOTORS, INDUCTION—CURRENT SUPPLY

Method for analyzing autonomous inverters supplying power to asynchronous motors. G. V. Aranchik, G. G. Zhemoch, I. I. Pshstein. *Elektrrotekhnika* 36 no. 5:17-21 My '65.

## ELECTRIC MOTORS, INDUCTION—MEASUREMENT

Methods for measuring start processes in the rotor cage of an induction motor. L. A. Medinskii. *Elektrrotekhnika* 36 no. 4:46-49 Ap '65.

## ELECTRIC MOTORS, INDUCTION—TESTING

Automatic control of testing. R. Arutunian. *Prom. Arm.* 8 no. 3:25-26 Mr '65.

## ELECTRIC MOTORS, SYNCHRONOUS

Calculation of the excitation of synchronous motors with consideration of minimum energy loss. I. A. Nfukullin, V. A. Troshin, I. U. M. Tiukhanov. *Elektricheskoye no.* 4: 8-14 Ap '65.

Special features of the operation of a synchronous reactive motor with frequency control. V. V. Halle. *Fiz. i elektrotekh. prom.* no. 1:13-16 Ja-Mi '65.

Study of electromechanical transient processes of frequency controlled synchronous reactive motors using electronic modeling devices. B. A. Egorov. *Izv. vys. ucheb. zav., elektromekh.* 7 no. 7:848-857 '61.

Synchronous reactive motor with improved start and operational characteristics. F. M. Iuferev, V. P. Kolesnikov. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:356-359 '65.

Use of a digital computer in the calculation of transient processes of a synchronous motor with short-term interruption of power supply. E. I. A. Kazovskiy, G. V. Rublov, G. M. Safonov. *Izv. vys. ucheb. zav., elektromekh.* 8 no. 3:270-280 '65.

## ELECTRIC NETWORKS

Akademiya nauk SSSR. Institut nauchnoy informatsii. [Internal overvoltages in high-voltage a.c. networks, 1961-1963] *Vnutrennie perenapriazheniya v elektricheskikh setiyakh vysokogo napriazheniya peremennogo toka*, 1961-1963. Moskva, 1964. 241 p. (Itogi nauki i tekhniki)

Algorithm for analyzing the static stability of complex power systems using digital computers. E. N. K. nach. *Trudy Sib nauch.-issl. inst. energ.* no. 1:138-153 '64.

Analysis of transient processes using Gouev-Park equations with zero initial conditions. M. A. Tagirov. *Trudy Sib nauch.-issl. inst. energ.* no. 1:126-135 '61.

Calculation of the inductance of electric stages and coils containing ferromagnetic objects. V. V. Ivanov. *Izv. vys. ucheb. zav., elektromekh.* 7 no. 7:771-780 '64.

Feldshteyn, A. L., and L. R. I. Avich. [Synthesis of four-terminal and eight-terminal microwave networks] *Sintez chetyrehkonpulsnykh i vos'mipulsnykh na SVCh*, Moskva, Izd-vo "Svyaz", 1965. 352 p.

[Fundamentals of network theory] *Osnovy teorii tsepel* [By G. V. Zveke and others. Ed. J. I. Ispra, Moskva, Energiya, 1965. 444 p.

Operator equations of four-terminal networks in d, q coordinates. E. S. Lukashov. *Trudy Sib nauch.-issl. inst. energ.* no. 1:118-123 '64.

Stability in the "small" of complex systems with asymmetry. M. A. Tagirov. *Trudy Sib nauch.-issl. inst. energ.* no. 1:163-172 '64.

Study of the properties of a long-distance power transmission line with intermediate synchronous support compensators. E. S. Lukashov. *Trudy Sib nauch.-issl. inst. energ.* no. 1:154-162 '64.

**ELECTRIC OIL WELL DRILLING** see Oil well drilling, Electric

**ELECTRIC OIL WELL LOGGING** see Oil well logging, Electric

**ELECTRIC OSCILLATORS** see Oscillators, Electric

## ELECTRIC POWER

[Electric power production and utilization in foreign countries, supplement to the periodical "Elektricheskie stantsii"] *Energokhoz. za rub.* no. 2 Mr-Apr '65.

## ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] *Ref. zhur.* *Elektrrotekh. i energ.* no. 5 My '65.

## ELECTRIC POWER DISTRIBUTION

Akademiya nauk SSSR. Institut nauchnoy informatsii. [Internal overvoltages in high-voltage a.c. networks, 1961-1963] *Vnutrennie perenapriazheniya v elektricheskikh setiyakh vysokogo napriazheniya peremennogo toka*, 1961-1963. Moskva, 1964. 241 p. (Itogi nauki i tekhniki)

Algorithm for analyzing the static stability of complex power systems using digital computers. E. N. K. nach. *Trudy Sib nauch.-issl. inst. energ.* no. 1:138-153 '64.

## ELECTRIC POWER DISTRIBUTION (Continued)

- Analysis of transient processes using Goryun-Park equations with zero initial conditions. M. A. Tagirov. Trudy Sib nauch.-issl. inst. energ. no. 1125-135 '64.
- Conference of the workers of relay protection units of the power systems of the Ukrainian S. S. R. S. I. Kashpirovskii. Energ. i elektrotekh. prom. no. 173-74 Ja-Mr '65.
- Dependence of the grounding resistance on the dimensions of the grounding device. M. R. Naifal'd. Elektrichestvo no. 4:33-36 Ap '65.
- Design of residential and public utility networks. R. I. A. Fedosin. Elektrichestvo no. 4:25-28 Ap '65.
- Effect of external capacitive resistance on the self-excitation conditions of a generator feeding a half-wave tuned line. D. G. Kolesilova. Trudy Sib nauch.-issl. inst. energ. no. 161-69 '64.
- Electrical strength of an air gap between the wire of a superhigh voltage transmission line and ground in the presence of internal overvoltages. G. N. Aleksandrov, V. L. Iano, V. P. Rad'ov. Elektrichestvo no. 4:20-24 Ap '65.
- Electromagnetic stability of half-wave and tuned two-circuit power transmission lines with disconnection of a circuit in one of the sectors. A. Kh. Kaliluzhnyi. Trudy Sib nauch.-issl. inst. energ. no. 170-77 '64.
- High-speed regulation of steam turbines improves power system stability. V. E. Kashtelan, E. I. Urevich, G. R. Gertsberg. Elektrichestvo no. 4:1-8 Ap '65.
- Joint operation of tuned power transmission lines with intermediate systems. V. K. Shcherbakov and others. Trudy Sib nauch.-issl. inst. energ. no. 140-44 '64.
- Leningrad, Institut elektromekhaniki. [Electrical equipment and operating modes of electric power systems] Elektrooborudovanie i rezhimy elektroenergeticheskikh sistem. Moskva, Nauka, 1965. 116 p.
- Methods for calculating complex municipal closed-circuit power distribution networks with statistically defined loads. I. A. Fokin. Elektrichestvo no. 4:34-37 Ap '65.
- Nature of the instability of a synchronous generator with a capacitive load. V. V. Bushuev. Trudy Sib nauch.-issl. inst. energ. no. 156-60 '64.
- Networks and carrying capacity of tuned electric power transmission lines. V. K. Shcherbakov, O. V. Oshchepkin. Trudy Sib nauch.-issl. inst. energ. no. 13-15 '64.
- Networks for connecting the condenser batteries of tuned electric power transmission lines. F. Z. Khakimov. Trudy Sib nauch.-issl. inst. energ. no. 116-23 '64.
- Nornyskiy, B. I., and I. A. Taratynov. [Electrical equipment of ship and shore stations and substations] Elektricheskoe oborudovanie beregovykh i sudovykh stantsii i podstantsii. Moskva, Transport, 1965. 334 p.
- Operation of a half-wave tuned line with hunting of the synchronous machines. V. K. Khatevin. Trudy Sib nauch.-issl. inst. energ. no. 193-100 '64.
- Operator equations of four-terminal networks in d.q. coordinates. E. S. Lukashov. Trudy Sib nauch.-issl. inst. energ. no. 1118-123 '64.
- Some characteristics of series-parallel coupling networks of intermediate power systems with long-distance power transmission lines. G. V. Vorob'ev. Trudy Sib nauch.-issl. inst. energ. no. 124-39 '64.
- Stability in the "small" of complex systems with symmetry. M. A. Tagirov. Trudy Sib nauch.-issl. inst. energ. no. 1163-172 '64.
- Statistical evaluation of the maladjustment of short-circuit current to ground compensation in a large cable network. Trukhar, A. P. Energ. i elektrotekh. prom. no. 111-1. Ja-Mr '65.
- Study of the properties of a long-distance power transmission line with intermediate synchronous support compensators. E. S. Lukashov. Trudy Sib nauch.-issl. inst. energ. no. 1154-164 '64.
- Technical and economic problems of the selection of an effective municipal power supply network for communal and everyday needs. V. N. Stofnikov. Elektrichestvo no. 4:29-33 Ap '65.
- Two-stage transistorized directional overcurrent protection system of 110-220 kv lines from interphase short-circuits. V. I. Smel'nikov, O. A. Olanishin. Energ. i elektrotekh. prom. no. 120-22 Ja-Mr '65.
- Use of an active three-terminal network technique in the calculation of complex nonsymmetrical modes of long-distance power transmission lines. E. P. Kashevich. Trudy Sib nauch.-issl. inst. energ. no. 1101-108 '64.
- Use of an analog computer in modeling a generator with a capacitive load. V. V. Bushuev. Trudy Sib nauch.-issl. inst. energ. no. 145-55 '64.
- Use of doubled reactors for voltage stabilization in industrial power distribution networks. I. U. L. Mukaseev. Elektrichestvo no. 4:48-50 Ap '65.
- Use of networks with group disconnectors in the electrical systems of factories. S. V. Dikmarov. Energ. i elektrotekh. prom. no. 1155-57 Ja-Mr '65.

## ELECTRIC POWER DISTRIBUTION—HIGH TENSION

- Artem'ev, D. E., N. N. Tikhodeev, and S. S. Shur. [Statistical principles of the selection of the insulation of power transmission lines with potentials of a high order, switching surges and electrical characteristics of insulation] Statisticheskie osnovy vybora izolatsii llini elektropredachi vysshikh klassov napriazheniya; komputatsionnye perenapriazheniya i elektricheskie kharakteristiki izolatsii. Pod red. N. N. Shchedrina. Moskva, Energia, 1965. 375 p.

Author's reply. V. A. Goroshina, A. N. Sherentsia. Elektrichestvo no. 4:91-92 Ap '65.

Development and use of spark gap connections and forcing of reactors in long-distance power transmission systems. L. P. Dmokhovskaya and others. Elektrichestvo no. 4:14-19 Ap '65.

Economical current load limits for 110-500 kv. lines with standardized towers. A. I. Gershengorn, I. U. I. Lyskov. Elektrichestvo no. 4:90-91 Ap '65.

## ELECTRIC POWER DISTRIBUTION—QUALITY CONTROL

Device for measuring oscillations and voltage deviations in an electrical network. I. I. Matylenko, V. P. Taitan. Energ. i elektrotekh. prom. no. 122-23 Ja-Mr '65.

## ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Contactless transistorized protection system for 6-10 kv. distribution units. A. V. Briukov and others. Elektrotehnika 36 no. 4:7-11 Ap '65.

## ELECTRIC POWER PLANTS

Conditions of optimum load distribution between power plant units taking into account the effect of steamplugs. V. M. Sin'kov. Energ. i elektrotekh. prom. no. 18-9 Ja-Mr '65.

Experience in the operation of large thermal electric power plants. I. U. I. Indychenko. Energ. i elektrotekh. prom. no. 173 Ja-Mr '65.

Gol'dshleim, S. M., and G. B. Peketis. [Use of peat in electric power engineering] Ispol'zovanie torfa v elektroenergetike. Minsk, Nauka i tekhnika, 1964. 106 p.

Leningrad, Institut elektromekhaniki. [Electrical equipment and operating modes of electric power systems] Elektrooborudovanie i rezhimy elektroenergeticheskikh sistem. Moskva, Nauka, 1965. 116 p.

Pavlin. "Power engineering construction" in 1964. Inform. biul. VDNKH no. 5:15 My '64.

Present status and trends in the development of automatic control systems for thermal electric power plants. E. P. Stefani. Teploenergetika 12 no. 4:2-13 Ap '65.

Remark on A. A. Madoian's book "Calculation of the expenditures of heat and electric power during nonsteady operation of high-pressure boilers." A. K. Vnukov. Energ. i elektrotekh. prom. no. 174 Ja-Mr '65.

Russia (1963- U. S. S. R.) Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii. [Instructions on the design of the ash removal systems of thermal electric power plants] Ukazaniya po projektirovaniu zolotvalov teplovykh elektricheskikh stantsii. Moskva, Gosenergoizdat, 1964. 78 p.

## [MICROFILM]

Selection of optimal electric and thermal power ratings for municipal heat and electric power plants. E. I. A. Skolov, A. I. Kormichev. Teploenergetika 12 no. 5:4-53 My '65.

## ELECTRIC POWER PLANTS—ELECTRIC EQUIPMENT

Determination of the reliability of automatic regulators under operational conditions in thermal electric power plants. B. L. Solianik, M. A. Iastrebenetskiy, G. P. Komarov. Teploenergetika 12 no. 4:29-32 Ap '65.

## ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Increasing the reliability and power of the equipment of thermal electric power plants. A. A. Madoian, V. I. Maksimova. Energ. i elektrotekh. prom. no. 170-72 Ja-Mr '65.

## ELECTRIC POWER PLANTS—FUEL CONSUMPTION

Comprehensive economic evaluation of the transportation of coal for power production. M. Dubrovny, V. Mikhailov. Rech. transp. 24 no. 4:18-19 '65.

## ELECTRIC POWER PLANTS—HEATING AND VENTILATION

Voronkov, S. T., D. Z. Iserov, and S. P. Kamenetskiy. [Heat insulation in electric power plants] Teplovaya izolatsiya na elektricheskikh stantsiyakh. Izd. 2, perer. i dop. Pod red. S. P. Kamenetskogo. Moskva, Energiya, 1965. 471 p.

## ELECTRIC POWER SUPPLY TO APPARATUS

Automatic voltage control in transmitter-receivers. I. U. B. Delnitska. Avtom., telem i svyaz' 9 no. 5:33-35 My '65.

Ivanov, M. E., and V. V. Kvochka. [Power supply sources of electric and radio navigation devices] Istochniki pitaniya elektroradiolovnykh priborov. Moskva, Transport, 1965. 218 p.

Speed-up the creation of a diesel locomotive mounted electric power plant. M. N. Dubitskiy. Put' i put. khoz. 9 no. 5:17-18 '65.

## ELECTRIC PROSPECTING

(See also subdivision under Nikopol' region, Ukraine) Dependence on natural electric currents of the development stages of the oxidation zone of sulfide deposits. I. M. Uraznev. Razved. geofiz. no. 2:85-91 '64.

Evaluation of the reflection coefficient based on the data of electric logging and neutron gamma-ray logging. A. K. Urufov, I. U. A. Blakov. Razved. geofiz. no. 2:36-38 '64.

Kraev, A. P. [Fundamentals of geoelectricity] Osnovy geoelektriki. Izd. 2, izm. i dop. Leningrad, Nedra, 1965. 587 p.

Magnetic field sources having a directional effect. G. V. Priz. Izv. AN SSSR Fiz. zem. no. 1:67-75 '65.

Shape of the reference signal for phase measurements and synchronous control in electric prospecting. I. U. V. Khomentuk. Ra. ved. geofiz. no. 2:81-84 '64.

## ELECTRIC PROSPECTING—EQUIPMENT AND SUPPLIES

Practice in using semiconductor devices in field-geophysical apparatus. B. I. Kuzin. Razved. geofiz. no. 2:99-101 '64.

## ELECTRIC PROTECTION

Calculation and design of generator-type contactless track switches. I. U. N. Ivenukli, A. A. Ielman, A. S. Gotovskii. Elektrotehnika 36 no. 4:20-24 Ap '65.

Conference of the workers of relay protection units of the power systems of the Ukrainian S. S. R. S. I. Kashpirovskii. Energ. i elektrotekh. prom. no. 173 Ja-Mr '65.

Contactless transistorized protection system for 6-10 kv. distribution units. A. V. Briukov and others. Elektrotehnika 36 no. 4:7-11 Ap '65.

Transistorized logical and functional elements of the standardized RT-series for industrial automatic control systems. V. V. Glushberg and others. Elektrotehnika 36 no. 4:11-14 Ap '65.

Transistorized protection and automatic control system of the hydraulic power unit and transformer of the Belomorsk Hydroelectric Power Station. A. V. Ibrakov, N. P. Kutler, A. I. Podarnev. Elektrotehnika 36 no. 4:15-18 Ap '65.

N. P. Kutler, A. I. Podarnev. Elektrotehnika 36 no. 4:15-18 Ap '65.

## ELECTRIC RAILROADS

[Economics, organization, and planning of the power supply] Ekonomika, organizatsiya i planirovaniye energeticheskogo khozyaystva zheleznodorozhnogo transporta. [By] I. K. Yyskov i dr. Moskva, Transport, 1965. 237 p.

## ELECTRIC RAILROADS—BRAKES

How to achieve a smooth transition to recuperative braking. M. P. Petrov. Elek. i tepl. tizaga 6 no. 3:6-8 Mr '62.

## ELECTRIC RAILROADS—CURRENT SUPPLY

Conversion of direct current into alternating current with controlled frequency for electric transport systems. G. P. Dolaberdze. Elektrotehnika 36 no. 4:50-62 Ap '65.

Effect of electric power losses in rail on the selection of the economic parameters of traction current supply. D. I. Asaniani. Soob. AN Gruz. SSR 29 no. 1:67-72 Ji '62.

Losses due to the failure of electric power supply systems. B. N. Kozlov. Vest. TSNIi MFS 24 no. 2:13-15 '65.

Persistently improve the operational reliability of contact networks. N. I. Vetrov. Elek. i tepl. tizaga 6 no. 3:19-20 Mr '62.

Slasjuk, V. N., and N. M. Shadrin. [Electrification of transport in metallurgy using single-phase current] Elektrifikatsiya transporta v metallurgii na odnofaznom toke. [Moskva] Metallurgiya, 1965. 300 p.

Stasjuk, V. N., and N. M. Shadrin. [Electrification of transport in metallurgy using single-phase current] Elektrifikatsiya transporta v metallurgii na odnofaznom toke. [Moskva] Metallurgiya, 1965. 300 p.

## ELECTRIC RAILROADS—EMPLOYEES

Are superiors on all traction substations necessary? M. D. Taleisnik. Elek. i tepl. tizaga 6 no. 3:23 Mr '62.

## ELECTRIC RAILROADS—ROLLING STOCK

Replies to the inquiries of our readers. P. A. Garkall, D. D. Zakharchenko, I. F. Iurchenko. Elek. i tepl. tizaga 6 no. 3:35-36 Mr '64.

Some remarks on the construction of the LHM electric train. I. V. Popov. Elek. i tepl. tizaga 6 no. 3:55 Mr '62.

## ELECTRIC RAILROADS—SUBSTATIONS

Are superiors on all traction substations necessary? M. D. Taleisnik. Elek. i tepl. tizaga 6 no. 3:23 Mr '62.

Measurement of electric power expenditure in a.c. traction substations. B. M. Borodulin. Elek. i tepl. tizaga 6 no. 3:34 Mr '62.

Pavlov, I. V. [Draining transformers in a.c. traction networks] Otsenyvalushchie transformatory v fagovykh setkakh peremennogo toka. Moskva, Transport, 1965. 203 p.

## ELECTRIC RAILROADS—WIRES AND WIRING

Experience in the operation of the new type of overhead contact wires. I. U. A. Rodzayevskaya. Vest. TSNIi MFS 24 no. 2:7-9 '65.

Persistently improve the operational reliability of contact networks. N. I. Vetrov. Elek. i tepl. tizaga 6 no. 3:19-20 Mr '62.

## ELECTRIC RAILWAY MOTORS

Current distribution between brush holders of the same polarity in electric traction motors. A. S. Kurbasov. Izv. vys. ucheb. zav. elektromekh. 8 no. 4:477-479 Mr '65.

- ELECTRIC RAILWAY MOTORS (Continued)**  
Effect of the deviation from standards in the manufacture of NB-42M traction motors on their commutational characteristics. S. N. Elkin. Izv. vys. ucheb. zav., elektromekh. 7 no. 7:893-900 '64.
- Measurement of the temperature of the winding of the armature of a traction motor under operating conditions. I. N. Bogdanov, B. S. Berezuk. Izv. vys. ucheb. zav., elektromekh. 8 no. 4:456-466 Mr '65.
- ELECTRIC RAILWAY MOTORS—COLD WEATHER OPERATION**  
On the method of drying traction engine collectors in winter. E. V. Kotov. Elek. i tepl. tizhga 6 no. 3:6-7 Mr '65.
- ELECTRIC RAILWAY MOTORS—MAINTENANCE AND REPAIR**  
Device for cutting the collector grooves of traction motors. R. I. Palanen. Elek. i tepl. tizhga 6 no. 3:10-11 Mr '62.
- ELECTRIC REACTORS**  
Calculation of concrete columns for dry current limiting reactors. I. S. Shmukler, V. K. Kaipenskiy. Elektrotekh. nika 36 no. 5:32-35 My '65.
- Use of doubled reactors for voltage stabilization in industrial power distribution networks. I. U. L. Mukoseev. Elektrichestvo no. 4:48-50 Ap '65.
- ELECTRIC RELAYS**  
New principle for the construction of a resistance relay with an elliptical characteristic. S. S. Rozov. Energ. i elektrotekh. prom. no. 1:35-38 Ja-Mr '65.
- Time delay for the drive of the gate of shaft gain dryers. V. N. Ovotkin, Muk. -elev. prom. 31 no. 5:26-27 My '65.
- ELECTRIC RESISTORS**  
Investigation of thermal and aerodynamic parameters of resistor blocks made from a tape-wound high-resistance alloy. T. M. Bondarenko, A. I. Smirnov, B. G. Dorofeev. Elektrotekh. nika 36 no. 5:27-30 My '65.
- ELECTRIC RESISTORS—MEASUREMENT**  
Measuring the frequency error of resistors. Z. I. Zelikovskiy, L. E. Degtiar. Izv. vys. ucheb. zav., prib. 8 no. 2:29-33 '65.
- ELECTRIC RHEOSTATS**  
Device for the remote control by a welding ballast rheostat. V. N. Kulikov. Svar. prozv. no. 3:33-34 Mr '65.
- Recuperation of current during the rheostatic tests of TT-3 diesel locomotives. M. L. Gokhman. Elek. i tepl. tizhga 9 no. 3:15-18 Mr '65.
- ELECTRIC SPARK**  
Explosionproof properties of metals. E. A. Ferrari. Bezop. truda v prom. 9 no. 4:46-48 Ap '65.
- ELECTRIC SUBSTATIONS**  
Automation of the operation of a converter-type substation at the "Artem-1" mine. M. S. Binas, N. P. Iaroshenko. Gor. zhur. no. 3:56-57 Mr '65.
- Some special features of the use of RYA-62 (UBK-3) automatic excitation controllers for synchronous compensators. E. S. Gaba, E. A. Kravchenko, I. N. Petrushevskiy. Energ. i elektrotekh. prom. no. 1:53-55 Ja-Mr '65.
- ELECTRIC SUBSTATIONS—ELECTRIC EQUIPMENT**  
Rezhanskiy, Z. E., and I. U. M. Bukh. [Practical laboratory work on the electrical equipment of substations] Laboratornyy praktikum po elektrooborudovaniyu podstantsii. Khar'kov, Izd-vo Khar'kovskogo univ., 1965, 120 p.
- ELECTRIC SWITCHGEAR**  
Calculation and design of generator-type contactless track switches. I. U. Ivenskiy, A. A. Leiman, A. S. Gotovskiy. Elektrotekh. nika 36 no. 4:20-23 Ap '65.
- Explosionproof track switches. M. N. Filatov. Elektrotekh. nika 36 no. 5:26-27 My '65.
- Noncontact overload trip mechanism for automatic a.c. circuit breakers. G. V. Mogilevskiy, V. D. Salenko. Elektrotekh. nika 36 no. 5:24-25 My '65.
- Some faults of a gang switch. A. D. Tostykh. Elek. i tepl. tizhga 6 no. 3:27-28 Mr '62.
- ELECTRIC TRANSFORMERS**  
Akademika nauk SSSR, Institut nauchnoi informatsii. [Transformers, electric and magnetic fields of the windings, 1961-1963] Transformatory - elekticheskoye i magnitnyye polya obmotok, 1961-1963, Moskva, 1964, 67 p. (Izgi nauki i tekhniki)
- Calculation of the magnetization of ferromagnetic rings by an external field. B. V. Zakharov. Elektrichestvo no. 4:74-78 Ap '65.
- Calculation of transformer yoke dissipation. I. U. V. Frakman. Elektrichestvo no. 4:85-87 Ap '65.
- Expediency of dividing the winding of a transformer in the calculation of overvoltages using computers. Z. M. Beletskiy. Izv. vys. ucheb. zav., elektromekh. 8 no. 3:360-364 '65.
- General solution of a problem on the optimum distribution of condensers in systems consisting of transformer-main line blocks. S. M. Gittel'son. Izv. vys. ucheb. zav., elektromekh. 7 no. 7:901-907 '64.
- The ORR-2800/25 power transformers. A. I. Zatsapin, L. S. Gerasimova. Energ. i elektrotekh. prom. no. 1:19 Ja-Mr '65.
- Pavlov, I. V. [Draining transformers in a.c. traction networks] Otsasyvalushchie transformatory v tiazgovykh setkakh peremennogo toka. Moskva, Transport, 1965, 203 p.
- Special features of the sequential operation of transformers with counter connected windings. R. N. Urmanov, I. F. Pavlov. Izv. vys. ucheb. zav., elektromekh. 7 no. 7:828-836 '64.
- ELECTRIC TRANSFORMERS—SAFETY MEASURES**  
Double-core current transformer for a transistorized contactless protection system. L. N. Mateskevich. Elektrotekh. nika 36 no. 4:18-19 Ap '65.
- Transistorized overload protection system of transformers and generators. T. I. Matkevich, L. A. Mukhomorov. Energ. i elektrotekh. prom. no. 1:17-18 Ja-Mr '65.
- ELECTRIC TRANSFORMERS—STANDARDS**  
Insulation levels of high-voltage transformers. A. V. Sapozhnikov. Elektrichestvo no. 4:84-88 Ap '65.
- ELECTRIC VEHICLES**  
Pogarskiy, N. A. [Electric transmissions for machines with motorized wheels] Elektricheskie transmisii mashin s motor-kolesami. Moskva, Mashinostroyeniye, 1965, 133 p.
- ELECTRIC WELDING**  
Argon arc welding of Br. OTS 4-4-2, 5 bronze. A. A. Svyatkin. Svar. prozv. no. 3:17-19 Mr '65.
- Flash butt welding of titanium alloy pipe. D. P. Shechtanov. Svar. prozv. no. 3:21-22 Mr '65.
- Nazarenko, O. K. [Electron beam welding] Elektronno-luchevaya svarka. Kiev, Naukova dumka, 1965, 127 p.
- Producing welded piping blocks in plants for thermal electric power stations. A. V. Korobov, M. R. Nikolnenko. Buil. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 18 no. 3:35-36 Mr '65.
- Resistance welding of hardened reinforcement rods made of carbon steel. A. I. Boudskiy, A. M. Fridman. Svar. prozv. no. 3:5-8 Mr '65.
- Spot welding of hot-rolled metal without preliminary cleaning. M. V. Nogin, L. M. Shmyreva. Svar. prozv. no. 3:15-17 Mr '65.
- Stabilization of the alternating current arc in argon arc welding of structural steel. A. G. Simonik. Svar. prozv. no. 3:20-30 Mr '65.
- Votugin, F. G. [Reconditioning damaged motor-vehicle frames by electric welding] Vostanovlenie povrezhdennykh avtomobil'nykh ram elektrodugovoy svarkoi. Alma-Ata, Kazakhskiy nauchno-issl. i proektniy in-t avtomobil'nogo transp., 1961, 33 p.
- Ways of alloying in build-up welding with a weaving arc method. I. U. G. Kazak. Trudy Oren. gos. khoz. inst. 14:55-59 '63.
- Welding pipe joints with the PVS-1 powder wire. V. D. Tarlinskii. Buil. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 18 no. 3:25-26 Mr '65.
- ELECTRIC WELDING—CONGRESSES**  
All-Union seminar on the use of a confined arc for welding and cutting. K. V. Vasil'ev. Svar. prozv. no. 3:44-45 Mr '65.
- ELECTRIC WELDING—EQUIPMENT AND SUPPLIES**  
Combined tip for electric welding machines and semi-automatic machines. A. P. Alekseev. Svar. prozv. no. 3:34 Mr '65.
- Device for relieving welding stresses from the electrode holder during manual welding. B. M. Shlaposhnikov, V. A. Sinit'skiy. Svar. prozv. no. 3:30-34 Ap '65.
- Device for the remote control by a welding ballast rheostat. V. N. Kulikov. Svar. prozv. no. 3:33-34 Mr '65.
- In the international electrical engineering commission. A. P. Guld'erbal'k. Svar. prozv. no. 3:45-46 Mr '65.
- Introducing a roller machine for step-by-step electrostatic welding. A. F. Malkov. Buil. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 18 no. 2:38-10 F '68.
- Mechanization of build-up welding and welding operations at a mining enterprise. A. I. Ishakov. Svar. prozv. no. 3:32 Mr '65.
- Remote control of the welding transformer current. I. L. Fedorov. Svar. prozv. no. 3:34 Mr '65.
- Replacing continuous rims by sectors. P. V. Knyazh, Mashinostroyeniye no. 5:25 My '65.
- System for stabilizing the length of the arc in argon arc welding with a nonconsumable electrode and a direct current. I. U. I. Stolbov, V. V. Vladimirov, F. E. Barutkin. Svar. prozv. no. 3:36-37 Mr '65.
- Welding flanges to pipes simultaneously with two welds. A. M. Loshakov and others. Svar. prozv. no. 3:31-32 Mr '65.
- Zakharov, E. V., and V. I. Naumov. [Semiautomatic and automatic welding in an atmosphere of carbon dioxide; from practices of the Ural Automobile Plant] Poluavtomaticheskaya i avtomaticheskaya svarka v srede uglekisl'ogo gaza; iz opyta Ural'skogo avtomobil'nogo zavoda. [Cheljabinsk] Izd-vo Ural'skoe knizhnoe izd-vo, 1964, 49 p.
- ELECTRIC WELDING—PATENTS**  
Olesova, T. Sh. [Technology of electric welding] Tekhnologiya elektricheskoi svarki. Moskva, TSentr nauchno-issl. i in-t patentnoi informatsii i tekhniko-ekon. issl., 1964, 43 p. (Obzor otechestvennykh i zarubezhnykh izobretenii)
- ELECTRIC WIRING**  
Industrialization of electric installation work in illumination. M. L. Simkin. Stroitel. arkhitekt. Sred. Az. 1 no. 9:26-28 S '64.
- ELECTRIC WIRING, INTERIOR**  
Orlov, S. I. [Monolithic electric wiring] Zamonoliticheskoye elektroprovodki. Moskva, Stroizdat, 1964, 29 p.
- Stolbov, V. P., and A. I. Ovsiannikov. [Work practices in sealing electric wires in reinforced concrete panels of standard apartment houses] Opyt raboty po zamonolitichivaniyu elektroprovodki v zhelezobetonnykh paneli tipovykh zhilykh domov. Novosibirsk, Test Sibeletromontazh, 1963, 60 p.
- [MICROFILM]
- ELECTRICIANS—EDUCATION AND TRAINING** see subdivision under Uzbekistan
- ELECTRICITY**  
Ziaman, G. A., and O. M. Todes. [Course in general physics] Kurs obshchei fiziki. Moskva, Nauka, Vol. 2. [Electricity and magnetism] Elektrichestvo i magnetizm. Izd. 2, 1965, 366 p.
- ELECTRICITY—PHYSIOLOGICAL EFFECT**  
Effect of anodizing and cathodization on the brain. L. K. Danilova. Nauch. soob. Inst. fiziol. AN SSSR no. 3:29-33 '65.
- Effect of direct current poles on the saliva secretion in dogs. N. P. Movchan. Nauch. soob. Inst. fiziol. AN SSSR no. 3:120-123 '65.
- Methodology of prolonged non-contact stimulation of a nerve with impulse induction current. A. P. Grechishkina, A. I. Kokhar'. Fiziol. zhur. 51 no. 3:398-400 Mr '65.
- ELECTRICITY, INJURIES FROM**  
Restoration of blood circulation and respiration in dogs revived following prolonged clinical death due to electrical trauma. M. P. Adamenko. Fiziol. zhur. [Ukr.] 9 no. 1:62-69 Ja-F '63.
- ELECTRICITY, TERRESTRIAL** see Terrestrial electricity
- ELECTRICITY IN AGRICULTURE**  
Electrification and its role in the intensification of agricultural production. P. N. Listov. Izv. TSKHA no. 5:53-73 '64.
- Treating seeds before sowing on a sieve-type grain-grading electric machine. V. Shmigel', V. Okulova. Tekhn. v sel'khoz. 25 no. 4:80-81 Ap '65.
- ELECTRICITY IN MINING**  
(see also subdivision under Krivoy Rog Basin)
- Improve the planning of the repair of electric equipment and apparatus. V. F. Kobaynik. Gor. zhur. no. 5:39-41 My '65.
- Statistical method for determining the reliability of power distribution in open pit mines. V. I. Bocharov. Elektrichestvo no. 4:37-41 Ap '65.
- Turyshev, B. F. [Substations and networks on mine surfaces, lecture course for students studying "Electrical engineering for mines"] Podstantsii i seti na poverkhnosti rudnikov; kurs lektsii dlya studentov spetsial'nosti "Gornaya elektromekhanika." [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, Pt. 1. [General problems on power supply for mining enterprises] Obshchie voprosy elektrosnabzheniya gornykh predpriyatiy, 1961, 130 p.
- ELECTRICITY IN MINING—SAFETY MEASURES**  
Best samples of explosionproof equipment. V. Nartov. Inform. buil. VDNKH no. 4:12 Ap '65.
- Results of inspecting electric mine equipment. S. R. Genkin, S. P. Saraev, V. B. Trunov. Bezop. truda v prom. 9 no. 4:7-9 Ap '65.
- Sparkproof electrical system for the remote control of cutter-loaders. K. G. Veisberg, S. V. Karas', E. Sh. Brunshtein. Ugol' Ukr. 9 no. 4:19-21 Ap '65.
- Using electric power in coal mines. N. F. Shishkin and others. Ugol' 40 no. 4:14-18 Ap '65.
- ELECTRICITY IN PETROLEUM ENGINEERING**  
Investigating methods for selecting wire sizes for oil-field networks. A. A. Spirin, I. A. Bashirov. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 4:84 '65.

## ITY ON SHIPS

**M. L.** [General theory of electric machinery on ships]. *Obshchaya teoriya sudovyykh elektromashin*. Leningrad, Sudostroenie, 1965. 390 p.  
sensitive null indicator on ships. *Izv. Vuzovskiykh tekhnicheskikh fakul'tetov* 31 no. 1:34-37 '65.  
v, L. L. [Asymmetrical operating modes of a.c. circuits of ships]. *Nesimmetrichnyye rezhimy sudovyykh tsirkuitov*. Leningrad, Sudostroenie, 1965. 247 p.

## IFICATION

iso subdivision under Ukraine)  
ideas on the electrification of the whole country; electrification by V. I. Lenin. Reviewed by I. A. B. *Priroda* 54 no. 4:120-121 Ap '65.  
"Electrification". A. S. Dupik. *Energ. i elekt. h. prom* no. 16-7 Ja-Mr '65.

## DACOUSTICS

chemical transducers for oscillation and weight measurements. N. S. Lidoronko and others. *Elektrokhim. i tekhn. fiz.* 36 no. 4:24-25 Ap '65.  
gating the electroacoustic method of controlling running of ball mills. A. S. Davidovich and others. *Khim. i tekhn. fiz.* 36 no. 5:50-51 My '65.

## DCARDIOGRAPHY

in the electrocardiogram in acute pancreatitis. Ikonin, L. B. *Shimolegich. Trudy TSU* 66:200-204.  
characteristics of cardiac and respiratory components of the defensive response. M. I. Iakovleva, A. A. Kozlov. *Zhur. vys. nerv. deiat.* 15 no. 1:108-113 '65.  
active characteristics of the action of venoms of rusa fasciatus, Naja tripudians and Vipera lebetina isolated frog heart. E. N. Pavlovskii and others. *AN SSSR* 182 no. 1:225-228 My '65.  
the transfusion of some blood substitutes and in the coronary blood circulation and functional state of the myocardium under conditions of acute rhagc. I. V. Kofanov. *Arkh. pat.* 27 no. 4:9-10.

mechanical activity of the heart following tonsillectomy. Z. M. Garibian. *Izv. AN Arm. SSR, Biol.* 18 no. 2:57-61 F '65.  
ism of the synchronization of neuron activity. Zelenkov, V. D. *Chirkov. Zhur. vys. nerv. deiat.* 1:128-139 Ja-F '65.  
s of the heart to its stimulations in the refractory period. A. N. Medvedevskii. *Fiziol. zhur.* 51:16-33 Mr '65.

## CHEMICAL ANALYSIS

ation of microconcentrations of  $Cd^{2+}$ ,  $Pb^{2+}$  by the method of reverse surge currents. Kozlov, A. I. *Karnaukhov. Ukr. khim. zhur.* 31:18-21 '65.  
the reduction of tin in the presence of tungsten. Yan, P. N. Kovalenko, Z. I. Ivanova. *Zhur. anal.* 20 no. 3:329-334 '65.  
a-Don. Universitet. [Physicochemical methods of analysis and control of production]. *Fiziko-khimicheskiye metody analiza i kontrolya proizvodstva*. -na-Donu. Izd-vo Rostovskogo univ., 1961.

## [MICROFILM]

## CHEMICAL ANALYSIS—CONGRESSES

ice on the Electrochemical Methods of Analysis. -Ata. *Elektrokhim. i tekhn. fiz.* 36 no. 1:118 Ja '65.

## CHEMISTRY

ice of the inhibition effect of the electrode on the surface concentration of the inhibitor. Zelenkov, V. D. *Chirkov. Zhur. vys. nerv. deiat.* 1:128-139 Ja-F '65.  
halogen anions and some organic compounds on the electrochemical behavior of nickel in acid solutions. Chailova, Z. A. *Iofa. Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.

## DERMAL RESPONSE see Galvanic skin response

## DES

ate calculation of the geometry of electrodes of formation of a curvilinear parallel-plate capacitor. R. K. Chudin. *Izv. vuzovskikh tekhnicheskikh fakul'tetov* 31 no. 2:132-137 '65.  
ation of the zero points of some solid metals in mixture of NaCl-KCl by measuring the double potential. I. U. K. Delimarskii, V. S. Kikhno. *Ukr. ur.* 31 no. 1:116-117 '65.  
nent of the solvent from the electrode surface the adsorption of organic substances, and the on isotherm equation. B. B. Damaikin. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.  
e of the electrode-electrolyte interface and the of the double layer in solid electrolytes. M. V. V. S. F. Pal'guyev, S. V. Karpachev. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.

**Kritik, S. I., ed.** [Manufacture and operation of continuously self-annealing electrodes and anodes]. *Proizvodstvo i ekspluatatsiya neperyvnykh samootzhigayushchikh elektrodov i anodov*. [By] M. I. Gaskin dr. [Moskva] Metallurgiya, 1965. 254 p.

Substituting starch by wood flour in welding electrodes. V. A. Babin. *Svar. proizv.* no. 3:33 Mr '65.

Use of the rotating disk electrode with a ring in conjunction with the method of triangular voltage pulses for studying electrode reactions. A. N. Frumkin and others. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.

## ELECTRODES, COBALT

Reversibility of a cobalt electrode at high temperatures. M. A. Zhamagorstan, L. A. Uvarov, A. T. Vagranian. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.

## ELECTRODES, GLASS

Electrode properties of sodium-strontium silicate glasses. S. S. Kasymova, A. A. Bellustin. *Uzb. khim. zhur.* 8 no. 5:61-66 '64.

## ELECTRODES, NICKEL

Effect of halogen anions and some organic compounds on the electrochemical behavior of nickel in acid solutions. E. I. Mikhailova, Z. A. Iofa. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.  
Impedance of a nickel electrode in an alkaline melt. I. U. K. Delimarskii, O. H. Zarubitskii. *Dop. AN URSR* no. 4:485-487 '65.  
Interaction of thiourea with a nickel cathode as dependent on the conditions of electrolysis. J. V. V. A. Bodnevus. *Trudy AN Litv. SSR, Ser. B* no. 3:3-13 '64.

## ELECTRODES, PLATINUM

Adsorption of methanol on a smooth platinum electrode. O. A. Khasova, I. U. B. Vasil'ev, V. S. Bagotskii. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.  
Effect of two-charge cations on the process of oxygen reduction on platinum in alkaline solution. L. M. Müller, V. V. Sobol'. *Elektrokhim. i tekhn. fiz.* 36 no. 1:111-112 Ja '65.  
Processes occurring on a platinum-platinum electrode introduced into solutions of  $C_2H_5OH$ ,  $n-C_3H_7OH$ , and  $n-C_4H_9OH$ . B. I. Podvolchenko. *Elektrokhim. i tekhn. fiz.* 36 no. 1:101-106 Ja '65.

## ELECTRODES, SILVER

Current-time curves on a silver amalgam electrode in oscillographic polarography with a given amperoidal voltage. E. M. Skobets, M. F. Povkhan. *Ukr. khim. zhur.* 31 no. 4:363-367 '65.  
Oxygen ionization on a silver electrode in alkaline solution. I. U. K. Delimarskii, K. I. Rozental', V. I. Veselovskii. *Elektrokhim. i tekhn. fiz.* 36 no. 1:108-113 '65.

## ELECTRODIALYSIS

Electrodialysis method of investigating the homogeneous catalytic system  $(C_2H_5)_2TiCl_2 + Al(C_2H_5)_3Cl$ . F. S. Diachovskii. *Vysokom. acid* 7 no. 1:114-115 Ja '65.

## ELECTROENCEPHALOGRAPHY

Activity of individual neurons of the cerebral cortex during the recruiting reaction. S. P. Narikashvili, V. S. Arutunov, E. S. Monlava. *Zhur. vys. nerv. deiat.* 15 no. 2:238-248 Mr-Apr '65.  
Bioelectrical activity of the brain in regional cerebral hypotension and hypertension, clinical encephalographic characteristics. L. A. Areshnikova, R. P. Belonog. *Zhur. nevrol. i psikh.* 65 no. 4:531-534 '65.  
Changes in the EEG in arterial aneurysms of the brain. A. N. Kononov, A. A. Sokolova, T. O. Faller. *Zhur. nevrol. i psikh.* 65 no. 4:516-523 '65.  
Changes in the primary responses of the auditory zone of the cerebral cortex under the effect of sound of a long-interval rhythm. I. U. G. Kratin. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:77-83 '65.  
Characteristics of the dynamics of electric processes at the stage of stable defensive conditioned reflexes. T. S. Naumova. *Zhur. vys. nerv. deiat.* 15 no. 1:11-22 Ja-F '65.  
Contemporary data on the steady potential of the cerebral cortex. Zh. P. Shuranova. *Zhur. vys. nerv. deiat.* 15 no. 1:163-175 Ja-F '65.  
Dependence of the perception of light signals on the intervals between them. I. U. V. Ven'-chzhao [Yu Wen'-chao]. *Zhur. vys. nerv. deiat.* 15 no. 1:70-78 Ja-F '65.  
Determination of stereotaxic coordinates of subcortical brain formations in developing animals. A. A. Volokhov, N. N. Shilaginina. *Zhur. vys. nerv. deiat.* 15 no. 1:176-184 Ja-F '65.  
Dynamics of electroencephalographic indices in reactive states in the course of illness. T. D. Filimonova. *Sud. med. ekspert.* 8 no. 1:33-39 Ja-Mr '65.  
Effect of hypoxia on changes in the electroencephalogram. N. V. Khristenko. *Trudy TSU* 66:269-272 '64.

Effect of preparations derived from Fischer's acetonide on the electroencephalogram of animals. L. A. Filimonova. *Vest. AN Kazakh SSR* 21 no. 3:92-97 Mr '66.  
Electric activity of the cerebral cortex of a rabbit in the case of salt overload following destruction of the motor and posterior limbic areas of the cortex. N. E. Vasilevskaya, G. P. Udolova. *Dokl. AN SSSR* 161 no. 5:1238-1241 Ap '65.

Electroencephalogram under normal conditions and in cerebral atherosclerosis in elderly and senile persons. R. P. Belonog. *Vop. geront. i geriat.* 4:196-202 '65.

Electroencephalographic data in cerebral arachnoiditis. N. S. Alekseyev. *Voen.-med. zhur.* no. 8:23-25 '63.  
Electroencephalographic data on the role of the lateral and ventromedian nuclei of the hypothalamus in the closing of alimentary temporary connections. L. G. Voronin, L. V. Kaluzhnyi, I. N. Zakharova. *Zhur. vys. nerv. deiat.* 15 no. 2:364-373 Mr-Apr '65.

Electroencephalographic study of conditioned motor-defense reflex for time. M. M. Atayev. *Izv. AN SSSR, Ser. Biol.* no. 3:378-387 My-Je '65.

Inversion of light-induced potentials in the visual cortex of rabbits in a wakeful state. V. B. Polianskii, T. V. Isakova. *Zhur. vys. nerv. deiat.* 15 no. 1:110-147 Ja-F '65.

Intercentral relations during the formation of a motor dynamic stereotyp based on the data of cross-correlation analysis of human encephalography. E. B. Sologub. *Zhur. vys. nerv. deiat.* 15 no. 1:132-141 Ja-F '65.  
Mechanisms of sleep in the light of clinical and physiological analysis of hypersomnia. N. I. Grashchenko, L. P. Latash, A. M. Voin. *Zhur. vys. nerv. deiat.* 15 no. 2:383-404 Mr-Apr '65.

Potentials and desynchronization reaction evolved in response to light stimuli in the ontogeny process in lower monkeys. T. G. Umanets, G. M. Cherkovitch. *Biol. eksp. Biol. i med.* 59 no. 4:3-7 Ap '65.

Significance of the time factor for the formation of responses from the nerve units in the visual center of frogs. L. I. Mityayeva, V. G. Samsonova. *Zhur. vys. nerv. deiat.* 15 no. 2:274-284 Mr-Apr '65.

Study of the afferent flow on various levels of the visual system by the total electric response. I. A. Shevlev, L. Kh. Khika. *Zhur. vys. nerv. deiat.* 15 no. 1:140-155 Ja-F '65.

Transformation of visual information at the mesencephalic level. N. N. Ljubimov. *Zhur. vys. nerv. deiat.* 15 no. 1:156-162 Ja-F '65.

## ELECTROLUMINESCENCE

Development of the "non-gas" method for the synthesis of electroluminescent materials. O. N. Kamukin, M. A. Dikhter, T. N. Gligorova. [Trudy] GIPKII no. 51:53-58 '61.

Effect of electroluminescence on the dielectric properties of ZnS-electroluminescent materials. K. Sh. Enikeeva. *Vest. AN Kazakh SSR* 21 no. 3:85-91 Mr '65.

Electroluminescence of zinc sulfide single crystals. V. E. Oranovskii, V. V. Samoilov. *Opt. i spekt.* 18 no. 3:474-478 Mr '65.

Investigating the stability of electroluminescent materials. F. M. Pekerman and others. [Trudy] GIPKII no. 51:53-58 '61.

Kholodunov, G. F. [Low-voltage electroluminescent indicators for transistor circuits]. *Nizkovol'tnyye elektroluminescentnyye indikatoryy dlya tranzistornykh skhem*. Leningrad, 1965. 10 p. (Leningradskii nauchno-tekhnicheskii opogandy, Nauchno-tekhnicheskii opyt. Seriya: Priboiy i elementy avtomatiki)  
Mechanism underlying the excitation of electroluminescence in ZnS-Mn films. N. A. Vlasenko, A. M. Iarenko. *Opt. i spekt.* 18 no. 3:467-473 Mr '65.

Rectification of a current by an electroluminescent capacitor. I. U. P. Chukov, M. V. Fok. *Zhur. tekhn. fiz.* 35 no. 4:762-768 Ap '65.

## ELECTROLYSIS

Disinfection of drinking water by electrolysis. L. A. Kunina. *Nauch. trudy AKKH* no. 22 '63. Vol. no. 3:81-85 '63.  
Effect of the conditions of electrolysis of zinc chloride acid solutions on the magnitude of the true surface of zinc precipitates. G. N. Znamenskii, A. P. Zhuk, V. V. Stender. *Ukr. khim. zhur.* 31 no. 4:367-372 '65.

Interaction of thiourea with a nickel cathode as dependent on the conditions of electrolysis. J. V. V. A. Bodnevus. *Trudy AN Litv. SSR, Ser. B* no. 3:3-13 '64.

Production of graphite and electrolytic iron in the anodic dissolution of cast iron. R. I. Agladze, T. I. Lazhava. *Soob. AN Gruz. SSR* 20 no. 1:39-44 Ji '62.

Reactions taking place during electrolysis of fused carbonates. I. U. K. Delimarskii, V. F. Grishchenko, A. V. Gorodyskii. *Ukr. khim. zhur.* 31 no. 1:32-37 '65.

## ELECTROLYSIS—EQUIPMENT AND SUPPLIES

Eldenzon, M. A. [Construction of furnaces and electrolytic cells for the production of magnesium]. *Montazh pechel i elektrolizirovaniye proizvodstva magniya*. Moskva, Metallurgiya, 1965. 60 p.

## ELECTROLYTE SOLUTIONS

Chemical mechanism of the dissolution of iron, chromium, and their alloys in sulfuric acid. I. A. M. Kolodnyuk, G. M. Florinovich. *Zashch. met.* 1 no. 1:7-12 Ja-F '65.

Connection between the conductance of a solution and dielectric constant and viscosity of the medium. I. A. F. Mezheny. *Ukr. khim. zhur.* 31 no. 1:42-44 '65.

Effect of alkali metal cations on the viscosity of toluene and xylene solutions. G. G. Rusan, E. A. Gorenbein. *Ukr. khim. zhur.* 30 no. 6:582-589 '64.



## ELECTROLYTE SOLUTIONS (Continued)

Effect of concentration and nature of supporting electrolyte cations on polarographic catalytic hydrogen waves generated by pyridine in nonbuffer solutions. M. K. Poluevskiy, 4 G. Makhomovskiy, Izv. AN SSSR Ser. khim. no. 3:413-419 '65.

Methods and equipment for measuring the pH in the layer adjacent to an electrode by means of an antimony microelectrode. L. I. Stetskiy, A. V. Turkovskaya, Zashch. met. 1 no. 1:118-121 Ja-F '65.

Volta effect and the acidity of electrolyte solutions. I. U. Ryshin, N. P. Shevchenko, Elektrokhiimiya 1 no. 1:46-52 Ja '65.

## ELECTROLYTES

Effect of electrolytes on the detergency of alkyl sulfonates. M. P. Bespiatov, O. B. Volkova, V. I. Kalinichenko, Maslozhur. prom. 31 no. 2:16-18 F '65.

Effect of electrolytes on the properties of soap water solutions. M. P. Bespiatov, F. F. Gladkiy, Izv. vys. ucheb. zav., fizich. tekhn. no. 2:65-69 '65.

Effect of the concentration of a foreign electrolyte on the cathodic process on amalgam electrodes. A. I. Molodov, V. V. Losov, Elektrokhiimiya 1 no. 1:53-58 Ja '65.

Electrochemical behavior of metals in agitated neutral electrolytes. L. L. Rozenfeld, O. I. Vashkov, Zashch. met. 1 no. 1:70-78 Ja-F '65.

Impedance of the electrode-electrolyte interface and the capacity of the double layer in solid electrolytes. M. V. Perfilov, S. F. Pal'guov, S. V. Karpachev, Elektrokhiimiya 1 no. 1:90-93 Ja '65.

## ELECTROLYTIC CORROSION

Corrosion and protection of rails in tunnels. S. G. Vedenkin, V. V. Dobolubov, Zashch. met. 1 no. 1:84-89 Ja-F '65.

Investigating the effect of an oxide phase film on the electrochemical behavior of iron and steel in a neutral solution. L. I. Fridman, I. A. M. Kolotyrykin, Zashch. met. 1 no. 1:77-83 Ja-F '65.

Investigating the effect of the degree of deformation and the annealing temperature on the electrochemical corrosion of titanium and a titanium alloy with a 0.2-percent palladium content. N. D. Tomashov, I. U. M. Ivanov, Zashch. met. 1 no. 1:30-41 Ja-F '65.

## ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

## ELECTROLYTIC POLISHING

Node behavior of aluminum in the course of electrolytic polishing. V. P. Galushko, V. V. Bondar, Ukr. khim. zhur. 31 no. 4:350-353 '65.

etch spirals on Fe-Mn-C steel. L. I. Lyak, B. I. Nikolai, Sbor. nauch. trud Inst. metallofiz. AN URSS no. 10:232-234 '64.

## ELECTROLYTIC REDUCTION see Reduction, Electrolytic

## ELECTROLYTIC TANKS

all indicator for registering fields using an electrolytic tank technique. A. A. Dolzhenko, Energ. i elektrotekhn. prom. no. 1:24-26 Ja-Mr '65.

## ELECTROLYTIC TANKS—CURRENT SUPPLY

universal electrochemical attachment for measuring rectified d.c. during reversing operations. B. E. Kubyshin, L. N. Bykov, L. L. Pavlov, Energ. i elektrotekhn. prom. no. 1:38-40 Ja-Mr '65.

## ELECTROMAGNETIC FIELDS

lectrical parameters of electromagnetic systems during the induction heating of a sphere. A. V. Donatov, A. A. Formin, Elektrichestvo no. 4:68-70 Ap '65.

ometry of short-period variations (pulsation) of the earth's electromagnetic field. O. M. Barsukov, Geomag. i aer. 3 no. 3:487-493 My-Je '65.

Pulse technique for measuring the rate of flow of a conducting fluid. B. D. Zheigur, G. A. Sermons, Mag. gidr. no. 1:141-146 '65.

solution of an equation describing the electromagnetic field of a plane linear induction pump allowing for secondary transverse and thickness boundary effects. T. A. Vesko, Mag. gidr. no. 1:87-96 '65.

## ELECTROMAGNETIC FIELDS—HANDBOOKS, MANUALS, ETC.

oscow, Moskovskoe vysshee tekhnicheskoe uchilishche, [Theoretical principles of linear radioelectronics] Tekhnicheskie osnovy lineinoi radioelektroniki, Moskva.

Pl. I. [Theory of the electromagnetic field, manual for independent work of students] Teoriya elektromagnitnogo polya; rukovodstvo dlya samostoyatel'nykh zaniatii studentov, 1964. 133 p.

## ELECTROMAGNETIC FIELDS—PHYSIOLOGICAL EFFECT

clinical aspects of chronic exposure of the human organism to ultrahigh frequency electromagnetic fields, a review of literature. E. B. Zakrzhevskiy, V. M. Malyshev, Voen.-med. zhur. no. 10:15-19 '64.

mechanism of action of ultrahigh-frequency electromagnetic irradiations; a review of literature. I. B. Petrov, A. G. Subbotin, Voen.-med. zhur. no. 9:26-31 '64.

Osipov, I. A. [Industrial hygiene and the effect of electromagnetic fields of radio frequencies on workers] Gigiena truda i viliante na rabotnikhshchikh elektromagnitnykh poloi radiochastot [Leningrad] Meditsina, 1965. 219 p.

## ELECTROMAGNETIC PROSPECTING

Practice in using the borehole variation of radio-wave transluence. D. A. Mukhanbetov, E. A. Alphekov, M. Omayev, Izv. AN Kazakh SSR Ser. geol. 21 no. 5. 96-100 S-O '64.

## ELECTROMAGNETIC WAVES

Anisotropic absorption of electromagnetic waves by hot carriers in semiconductors. E. M. Gershenson, I. U. A. Gurvich, L. B. Litvak-Gorskaya, Fiz. tver. tela 7 no. 5 1370-1381 My '65.

Conversion of two transverse waves into a longitudinal one in a collisionless plasma. I. S. Danilkin, Zhur. tekhn. fiz. 35 no. 4:667-676 Ap '65.

Coupled magnetoelastic waves in helicoidal magnetic structures. M. A. Savchenko, V. V. Gann, Fiz. tver. tela 7 no. 5 1523-1528 My '65.

Diffraction of electromagnetic waves emitted by an electric dipole on two discs with a common axis of rotation. E. A. Ivanov, Dif. urav. 1 no. 1:529-534 Ap '65.

Effect of a magnetodielectric on a field scattered on a grid with random incidence of a wave. A. I. Adonina, Radiotekh. i elektron. 10 no. 4:635-641 Ap '65.

Electromagnetic waves in a plane waveguide with nonhomogeneous isotropic plasma. V. M. Ginzburg, A. Maripov, Radiotekh. i elektron. 10 no. 5:866-878 My '65.

Excitation of a thick cylinder with conical ends. E. N. Vasil'ev, A. R. Seragina, V. G. Kamenov, Radiotekh. i elektron. 10 no. 5 940-942 My '65.

Kinetic theory of electromagnetic waves in a confined plasma. A. M. Kondratenko, Ukr. fiz. zhur. 10 no. 4: 457-459 Ap '65.

Negative resonant absorption of an electromagnetic signal in a medium with two pairs of equidistant levels. L. A. Rivlin, Radiotekh. i elektron. 10 no. 4:655-672 Ap '65.

Propagation of nonsymmetrical waves along a conical helix with variable parameters. N. P. Timirev, A. I. Fedorenko, Radiotekh. i elektron. 10 no. 4:760-762 Ap '65.

Trajectories of beams of electromagnetic waves in an ionized toroid and its effective reflecting surface. N. P. Mar'in, Geomag. i aer. 5 no. 3 568-572 My '65.

## ELECTROMAGNETIC WAVES—DIFFRACTION

Diffraction of electromagnetic waves on limited plasma with space dispersion. V. B. Gildenberg, I. G. Kondrat'ev, Radiotekh. i elektron. 10 no. 4:658-664 Ap '65.

## ELECTROMAGNETIC WAVES—SCATTERING

Scattering and transformation of electromagnetic waves in a turbulent plasma. I. A. Akhiezer, Zhur. eksp. i teor. fiz. 48 no. 4:1159-1167 Ap '65.

## ELECTROMAGNETS

Calculation of the optimum size of a shell-type d. c. electromagnet. I. I. Pekker, G. S. Lobza, Elektrichestvo no. 4:55-57 Ap '65.

Design of high-speed electromagnets. A. K. Ter-Akopov, Elektrichestvo no. 4:71-74 Ap '65.

Use of electromagnetic blocks. N. I. Tkach, M. V. Deripaska, Kuz.-stlan. prom. 6 no. 12:43-44 D '64.

## ELECTROMECHANICAL ANALOGUES

Using the method of electromechanical analogy in correcting the parameters of cylinder latching of an air-cooled engine. I. U. A. Zenzin, Avt. prom. 31 no. 4 22-24 Ap '65.

## ELECTROMETALLURGY—QUALITY CONTROL

Effect of electric conditions of electric slag remelting on the rate of electrode metal melting and characteristics of the metal bath. I. U. M. Mironov, M. M. Kluev, V. V. Topilin, Izv. vys. ucheb. zav.; Chern. met. 8 no. 5: 51-56 '65.

## ELECTROMOTIVE FORCE

Determination of the zero points of some solid metals in a fused mixture of NaCl-KCl by measuring the double layer capacity. I. U. K. Dolimarskiy, V. S. Kikhno, Ukr. khim. zhur. 31 no. 1:116-117 '65.

Effect of oxygen adsorption on the components of the potential jump at the germanium-hydrofluoric acid interface. I. U. V. Pleskov, Elektrokhiimiya 1 no. 1:4-11 Ja '65.

Longitudinal electromotive forces and the Hall effect in the flow of an ionized gas in a channel. E. I. Iantovskiy, Mag. gidr. no. 1:61-66 '65.

Observation of the electromotive force during epitaxial germanium growth on germanium with the use of a gas transfer reaction with water. I. U. A. Zotov, V. N. Maslov, A. P. Mitin, Dokl. AN SSSR 181 no. 5: 1124-1126 Ap '65.

Theory of the effect of light on thermoelectricity. I. U. E. Lozovik, Nauch. trudy TashGU no. 262. Fiz. nauk. no. 22:81-84 '64.

## ELECTROMYOGRAPHY

Correlation between electrical activity and the level of muscle tension in elderly persons. G. S. Iantova-Pa, V. N. Kuznetsova, Fiziol. zhur. [Ukr.] 9 no. 1:61-66 Ja-F '63.

Dependence of the perception of light signals on the intervals between them. I. U. V. Ven'-chzhao [Yu Wen'-chao], Zhur. vys. nerv. deiat. 15 no. 1:70-78 Ja-F '65.

Disorders of the muscular tones in acute serious meningitis, clinical electromyographic study. I. U. I. Naimenko, Zhur. nevrol. psikh. 65 no. 4:540-546 '65.

Effect of changes in the Ca concentration in the medium on the resting potential of an isolated skeletal muscle fiber in frogs. G. A. Kurella, Lian Zy-Tsun, Biofizika 10 no. 1:72-81 '65.

Effect of chloroform on the process of depolarization and repolarization of the membrane of muscle fibers following a change in the potassium concentration in Ringer's solution. I. S. Magura, Fiziol. zhur. [Ukr.] 9 no. 1:56-60 Ja-F '63.

Electric properties of the smooth muscle. M. F. Shuba, Biofizika 10 no. 1:64-71 '65.

Electromyographic determination of the function of the respiratory muscles. D. O. Kocherga, Fiziol. zhur. [Ukr.] 9 no. 1:67-76 Ja-F '63.

Interaction of antagonistic muscles in yielding work. E. I. Koz'man, Zhur. vys. nerv. deiat. 15 no. 1:61-69 Ja-F '65.

Problem of spontaneous activity in the smooth muscles. M. F. Shuba, Fiziol. zhur. [Ukr.] 9 no. 1:48-55 Ja-F '63.

Rhythmic form of the muscle activity in response to the constant electric impulsion. M. N. Kondrashova, I. A. Kornienko, Biofizika 10 no. 1:56-63 '65.

## ELECTRON BEAMS

Consideration of the thermal velocities of electrons under steady conditions of centrifugal-electrostatic focusing. G. N. Korostelev, Izv. vys. ucheb. zav., radiotekh. 8 no. 1:90-102 Ja-F '65.

Effect of field distorsions on periodic electrostatic focusing. I. P. Sokolov, Radiotekh. i elektron. 10 no. 5:960-963 My '65.

Metallic films produced by the method of electron beam heating. G. I. Levin, Izv. AN SSSR, Ser. fiz. 29 no. 4 639-641 Ap '65.

Study of an electron beam from a ring gun. L. I. Mnenko, G. P. Fomenko, Zhur. tekhn. fiz. 35 no. 4. 705-710 Ap '65.

## ELECTRON BEAMS—INDUSTRIAL APPLICATIONS

Nazarenko, O. K. [Electron beam welding] Elektronno-luchevaya svarka. Kiev, Naukova dumka, 1965. 127 p.

## ELECTRON DIFFRACTION EXAMINATION

Electron diffraction study of the structure of phenylcyclopropane molecules. L. V. Vilkov, N. I. Sadova, Dokl. AN SSSR 162 no. 3:585-588 My '65.

Some electron-microscopic and electron-diffraction studies of the structure of thin Permalloy films. I. U. A. Durasova, T. N. Nikitina, Izv. AN SSSR, Ser. fiz. 29 no. 4:557-559 Ap '65.

## ELECTRON MICROSCOPE

Application of the method of electron microscopy for studying the products of collagen dissolving and the fibers obtained from them. S. A. Kaspar'ians and others, Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:81-85 '65.

Phase photoelectric microscopes. M. G. Mikhailova, Izv. vys. ucheb. zav.; prib. 8 no. 2:128-134 '65.

## ELECTRON MICROSCOPY

Electron microscope method of studying the supermolecular structure of polymers in solutions. V. A. Kargin and others, Dokl. AN SSSR 162 no. 4 851-852 Je '65.

Electron microscope study of the virus of foot-and-mouth disease. G. A. Krasnikov, Vop. vet. virus. 1:95-102 '64.

Electron-microscopic studies of sand colmatage. G. A. Kuprina, E. M. Sergeev, Vest. Mosk. un. Ser. 4. Geol. 20 no. 2:87-89 Mr-Ap '65.

Electron microscopic study of Entamoeba invadens, Rodhain, 1934. S. A. Sarkisyan, Izv. AN Arm. SSR, Biol. nauki 18 no. 2:73-77 F '65.

Electron-microscopic study of the domain structure of Permalloy films with varying dispersion of the axis of anisotropy. V. N. Pushkar', A. A. Zolchuk, A. G. Lesnik, Izv. AN SSSR, Ser. fiz. 29 no. 4:615-616 Ap '65.

Electron microscopic study of the transfer of nuclear products into the cytoplasm in spermatocytes of the grain mite. M. A. Monakhova, V. A. Gelsova, Dokl. AN SSSR 161 no. 4:949-951 Ap '65.

Electron microscopy of mitochondria suspended in various media. I. Hradil, K. Lelisek, E. Matejkova, Biofizika 10 no. 1:171-173 '65.



## ELECTRON MICROSCOPY (Continued)

Electron microscopy of the domain structure of thin iron films S N Kaverina, G I Levin Sbor nauch. trud. Inst. metallofiz. AN URSR no 19 132-135 '64

Electron microscopy of the mechanism of the secretion of catechol amines following the stimulation of the secretory process. E Kh Prutskiy Dokl. AN SSSR 162 no. 3 678-689 My '65

Electron microscopy of the structure of electrotempered steel V N Gridnev, I U N Petrov Sbor nauch. trud. Inst. metallofiz. AN URSR no 19 80-86 '64

Electron microscopy of wheat streak mosaic virus A E Prutskiy, R M Legunova Vop. virus 10 no 123-26 Ja-F '65

Intranuclear inclusion in the neuron of the mollusk *Tritonia diomedea* Bergh V L Borovagin D A Sakharov, B N Veprikov Biophysika 10 no 1 98-99 '65

Methods of filming and studying the magnetic structure of ferromagnetic films at various temperatures using EM-3 electron microscope. V I Popov Izv. AN SSSR Ser. fiz. 29 no 4 673-676 Ap '65

Practice in the use of an electronographic attachment for the EM-3 electron microscope in the study of clay minerals R A Shakhova Khim. sbor 18 no 1107-109 '64

Some electron-optical features of two-slot lenses G V, Der-Svarts, V P Ruchko Radiotekh. i elektron. 10 no 5 922-925 My '65

Studying metamict minerals under an electron microscope E S Ushakov, V N Kuzin, A L Nikol'skii Izv. vys. ucheb. zav., geol. i razv. 7 no 11 126-130 N '64

## ELECTRON MICROSCOPY—CONGRESSES

3d European Regional Conference on Electron Microscopy (Prague, August 26-September 3, 1964) B T Matienko Bot. zhur. 50 no 4 590-594 Ap '65

## ELECTRON OPTICS

Optical method of forming a p-n-junction V A Drozdov, Sh D Kuzmashev, A L Rvachev, Dokl. AN SSSR 162 no 3 530-531 My '65

Toroidal cavities with ADR crystals; light modulators. V A, Dianova, E R, Mustel', V N, Iarygin Radiotekh. i elektron. 10 no 4 770-772 Ap '65

## ELECTRON PARAMAGNETIC RESONANCE

Dynamic polarization of protons in hydrated paramagnetic salts by the method of multiple rapid adiabatic crossing of the forbidden line G M Shkharovskii Fiz. tver. tela 7 no 5 1331-1334 My '65

Effect of the interaction between neutrons and nuclei on the paramagnetic resonance width in neutron beams V A Baryshevskii, V L Lluboshits, M I Podgoretskii Zhur. eksp. i teor. fiz. 48 no 4 1146-1149 Ap '65

Electron paramagnetic resonance of  $Mn^{2+}$  in crystal phosphors on the basis of  $CaSO_4$  E N Spitayn, V A Iaskolko Nauch. trudy TashGU no 262 Fiz. i matemat. nauki no 22 76-78 '64

Electron paramagnetic resonance spectra of the human blood under normal conditions and in leucoses N I Pavlova, A R Livenson Biophysika 10 no 1 169-171 '65

Electron paramagnetic resonance study of the oxidation of the methyl ether of o-amino-p-tert-butylphenol F N Mazitova, I U M Ryzhmanov, Dokl. AN SSSR 161 no 6 1346-1348 Ap '65

Free radicals of a new type in yeast cells A F Vanin, R M Nalbandian Biophysika 10 no 1 167-168 '65

Optical detection of spin relaxation in crystals containing paramagnetic ions. B P Zakharchenia, L M, Karsyala, I B, Rusanov Opt. i spekt., 18 no. 3, 535-538 Mr '65.

Paramagnetic resonance of trivalent samarium in  $CaF_2$  single crystals. A A Antipin and others Fiz. tver. tela 7 no 5 1575-1577 My '65.

Study of copper compounds with triethanolamine in aqueous solutions by the electron paramagnetic resonance method. K I Zamaraev, N N, Tikhomirova, Izv. AN SSSR, Ser. khim. no 4 753-755 '65.

Study of the paramagnetic resonance of erbium and europium in artificial  $PbMoO_4$  single crystals. A A Antipin and others Fiz. tver. tela 7 no 5 1425-1427 My '65

Superfine structure in electron paramagnetic resonance of some derivatives of benzoyl hydroxyl free radicals I U M, Ryzhmanov and others. Dokl. AN SSSR 162 no. 1 116-119 My '65

Use of the electron paramagnetic resonance method in studying glasses containing chromium. V K Zakharov, D M Udm. Fiz. tver. tela 7 no 5 1571-1572 My '65

ELECTRON-TUBE OSCILLATORS see Oscillators, Electron-tube

## ELECTRONIC ANALOG COMPUTERS

Calculating bending vibrations of the driving-axis housing of a motor vehicle by means of electric stimulation. Q A, Smirnov, V B Bulanov, S I Peshkov, Izv. vys. ucheb. zav.; mashinost. no. 2 140-147 '65.

General linear theory of eliminating the commutation of feedback lines of a computer for solving a system of two transcendental equations A I Lebedev, Izv. vys. ucheb. zav., prib. 8 no 2 63-68 '65

Method for deriving potentially-zero and equipotential points in analog computers. G E Pukhov Kibernetika no 2 71-72 Mr-Ap '65

Raitsev, T M. [Analog computer systems in automatic control] Analogovye vychislitel'nye ustoi oisava v avtomatike. Moskva, Energiya, 1965. 87 p. (Biblioteka po avtomatike, no 138)

Ushakov, V B., and others. [The MN-14 nonlinear electronic analog computer] Elektronnaia nelineinai analogovai vychislitel'nai mashina MN-14. Moskva, Mashinostroenie, 1965. 232 p.

Using the adaptability principle in voltage-to-code converters with time coding. V I Aleksandrin. Priboirostroenie no 4 7-8 Ap '65

## ELECTRONIC ANALOG COMPUTERS—LABORATORY MANUALS

Lebedev, A N., and V B Smolov, eds. [Laboratory work on a course in "Electronic analog computers"] Laboratornye raboty po kursu "Vychislitel'nye mashiny nepreryvnogo deistviia." Moskva, Vysshaya shkola, 1965. 211 p.

## ELECTRONIC APPARATUS AND APPLIANCES

(see also subdivision under Belomorsk Hydroelectric Power Station)

The electronic commutator. V S Zhernov and others. IAD. prib. no. 1 139-150 '64.

Linear intensifier of counting speed varying by three orders of magnitude. V S Zhernov, E P Murashov, A A Nabatnikov IAD. prib. no 1 160-165 '61.

## ELECTRONIC APPARATUS AND APPLIANCES—

### ABSTRACTS

[Electronics and its applications] Ref. zhur.: Elek. i ee prim. nos. 5-6 My-Je '65.

## ELECTRONIC CIRCUITS

Pulse technique for measuring the rate of flow of a conducting fluid. B D Zheigai, G I A. Sermons Mag. gidr. no. 1 141-146 '65

Some possibilities of regulating the time constants of circuits with photoresistors and thermistors S F Kornidorf, N S Muromova Izv. vys. ucheb. zav., prib. 8 no 2 34-37 '65

Svechnikov, S V. [Photoelectric two-terminal networks] Fotoelektricheskie dvukhterminal'nye skhemy. Kiev, Tekhnika, 1965. 270 p.

## ELECTRONIC COMPUTERS

Construction of models with periodic search of alternatives for solution. S V Egorov, Izv. vys. ucheb. zav.; elektromekh. 7 no 7 814-827 '64.

Electronic computer for acoustical logging V B Smolov, E P Balashov Izv. vys. ucheb. zav., prib. 8 no 2 80-85 '65

Features of the electronic computer "Minsk-1." N I, Uskov Vop. stat. i ucheta no 6 273-278 '62

Logical and mathematical aspects of the theory of computers B V Biriakov. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 5 44-52 '64.

New mathematical machines Lit. proizv. no 6 10-22 Je '64

Television screen instead of paper. V Kolesova, Izobr. i rats. no. 5 30-32 '65

Transistorized arithmetical unit of a control computer base on a digital differential analyzer. V F Guzik, Izv. vys. ucheb. zav., elektromekh. 7 no. 7 804-813 '64.

## ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telet. i vych. tekhn. no. 6 Je '65. Predmetnyi ukazatel' za 1964 g.

[Journal of abstracts: Cybernetics] Ref. zhur.: Kib. no. 5 My '65.

## ELECTRIC COMPUTERS—CIRCUITS

Calculation of the pump network of an inductive parametron V A Sokolov Izv. vys. ucheb. zav., radiotekh. 8 no 1 116-119 Ja-F '65.

## ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Magnetostrictive delay line used as memory device for a multichannel analyzer. A I Kozyr', K P Kuznetsov, I I Rogushin, IAD. prib. no. 1 118-124 '64

Multichannel pulse counter with a general memory device on ferrite cores. N V Ryzhov, V M Skatkin, IAD. prib. no. 1 125-131 '64.

## ELECTRONIC CONTROL

Eigenbot, V M. [Use of electron-beam tubes in multi-point control] Primenenie elektronno-luchevykh trubok dlia mnogotochechnogo kontrolia. Moskva, Energiya, 1965. 94 p. (Biblioteka po avtomatike, no 135)

Improving the quality of optimizing control B A Aref'ev, Izv. vys. ucheb. zav., prib. 8 no. 2 49-55 '65

Transistorized systems for automatic control and protection of power engineering and industrial systems. B B Voronetskiy, V V Girsberg, V V Khodnev, Elektrotehnika 36 no. 4 1-6 Ap '65.

## ELECTRONIC DATA PROCESSING

Methods for developing a system of permanent card indexes in using electronic calculating machines for production management G V Lagunov Vop. stat. i ucheta no 6 71-82 '62.

One method of using algorithms in accounting work. M R Kozlov, V P Pzheva Vop. stat. i ucheta no 6 5-23 '62

Use of an electronic computer in calculating the relative population of atomic energy levels R A Gulliev, T I Vinnitova Astrofiz. zhur. 42 no 3 509-514 My-Je '65

## ELECTRONIC DATA PROCESSING—AGRICULTURAL MACHINERY

Elizarov, V P., G M Kul'kov, and M M Shulman. [Studying the dynamics of tractor-driven machinery on electronic analog computers] Issledovanie dinamiki mashinno-traktornogo agregata na analogovykh vychislitel'nykh mashinakh. Moskva, 1964. 168 p. (Moscov. Vsesoyuznyi nauchno-issledovatel'skii institut mekhanizatsii sel'skogo khoziaistva. Trudy, vol. 38)

Model studies of the traction dynamics of agricultural machinery using electronic computers A P Teikhov Dokl. Akad. sel'khoz. nauk no. 7 16-17 F '65.

## ELECTRONIC DATA PROCESSING—COAL MINES AND MINING

In the State Committee for the fuel industry under the State Planning Commission of the U.S.S.R. F. I. A. Kagan Ugol' 40 no. 4 72-74 Ap '65

## ELECTRONIC DATA PROCESSING—CONSTRUCTION INDUSTRY

Calculations on computing machines. A Laptev, Stroitel'nikh Uzb. 6 no 2 18-10 F '65

## ELECTRONIC DATA PROCESSING—ECONOMICS

Nauchnaya konferentsiya po voprosam primeneniia matematicheskikh metodov i EVM v ekonomicheskikh issledovaniyakh, Tashkent, 1963. [Application of mathematical methods and electronic computers in economic research, conference materials] Primenenie matematicheskikh metodov i EVM v ekonomicheskikh issledovaniyakh, materialy konferentsii. Tashkent, Izd-vo "Nauka," URSR, 1965. 277 p.

## ELECTRONIC DATA PROCESSING—ELECTRIC POWER DISTRIBUTION

Calculation of single-phase short-circuit in the power systems of the Ukrainian S.S.R. using the "Ural-1" computer I V Khushchova, V A Krylov, S I Kushpovskii Energetika i elektrotekhnika, no. 10-11 Ja-Mi '65

Use of a digital computer for calculating internal overvoltages of half-wave tuned lines B I Kovalev, Trudy Sib. nauch.-issl. inst. energ. no 1 70-82 '64.

## ELECTRONIC DATA PROCESSING—ELECTRIC POWER PLANTS

Consideration of limitations in the form of disparity in the calculation of economical operation of a thermal electric power plant using an analog computer. V M Gornshtein, R S Manukhin, S V Paverman, Elektrotekhnika no. 4 70-80 Ap '66.

Determination of programs for automatic starting of turbine units using analog computers M A Duet', A Kh. Gorshak, Teploenergetika 12 no 4 14-17 Ap '65.

## ELECTRONIC DATA PROCESSING—ELECTRIC PROTECTING

Concerning the interpretation of vertical electric sounding curves on an electronic computer. N G Shkharbin, L A Filiseenko, Izv. vys. ucheb. zav.; geol. i razv. 7 no. 11 94-97 N '61.

## ELECTRONIC DATA PROCESSING—FLOWMETERS

Using the Ural-1 computer for calculating tapering devices S E Khushid and others. Izv. tekhn. no 3 56-57 Mr '65

## ELECTRONIC DATA PROCESSING—FORGING

Forces during shaped, closed die piercing. O A Gannog, V I Stepanenko, I A Tarnovskii Izv. vys. ucheb. zav.; Chern. met. 8 no 5 104-111 '65.

## ELECTRONIC DATA PROCESSING—GAS DISTRIBUTION

Determining the optimal parameters of a gas pipeline using an electronic computer. A K Arukhi, M G Sukharov, Gaz. prom. 10 no. 4 40-44 '65.

## ELECTRONIC DATA PROCESSING—GAS FLOW

Using electronic computers for the rapid calculation of nonstationary regimes in the operation of gas pipelines. A V Alekandrov and others, Gaz. prom. 10 no. 4 35-39 '65.

## ELECTRONIC DATA PROCESSING—HYDRAULIC MINING

Establishing an efficient program for the drawing of entries in stopes following first mining with hydraulic banking. A A Krivchenko, Ugol' Ukr. 9 no. 5 24-25 My '65.

## ELECTRONIC DATA PROCESSING—HYDROLOGY

Joint use of electronic digital and analog computers in hydrologic forecasts. L S Kuchment, N S Nechaeva, Meteor. i gidrol. no. 6 14-18 Je '65.

#### ELECTRONIC DATA PROCESSING--INSTRUMENT MANUFACTURE

Using computers for calculating optimum allowances for the parameters of an executive component in securing given reliability and minimum cost of production and operation. S. S. Brudnik, I. F. Kusov, V. A. Taran, Pribrorostroyeniye no 4:16-19 Ap '65.

#### ELECTRONIC DATA PROCESSING--MACHINERY--DESIGN AND CONSTRUCTION

Computers help designers B. L. Gordon Mashinostroyeniye no 4:1-2 Ap '65

#### ELECTRONIC DATA PROCESSING--MINE HAULAGE

Studying and selecting the optimal condition for mine haulage operations at the Sokolovka-Sarbay Combine with the aid of electronic computers. M. V. Vasil'ev, V. L. Iakovlev Gor. zhur. no 5:46-49 My '65.

Using an electronic computer for the determination of efficient parameters of dump formation with conveyor transportation. V. S. Chebnykin Izv. vys. ucheb. zav., gor. zhur. 8 no 2:110-116 '65.

#### ELECTRONIC DATA PROCESSING--MINE VENTILATION

Hydraulic calculation of a ventilation system on automatic computers by locating the minimum of a specific function. N. U. Kolda Izv. vys. ucheb. zav., gor. zhur. 8 no 2:151-155 '65.

Study of air flow interconnections in a mine ventilation system with the aid of a rapid electronic machine. F. A. Abramov and others. Izv. vys. ucheb. zav., gor. zhur. 8 no 2:144-150 '65.

#### ELECTRONIC DATA PROCESSING--NAVIGATION

Computation center of the ocean and river fleet in Moscow. I. Murovanyuk, Rech. transp. 24 no 3:59 '65.

Selecting the most advantageous sailing routes with the aid of computers. Mor. flot 24 no 9:33-34 S '64

#### ELECTRONIC DATA PROCESSING--OIL RESERVOIR ENGINEERING

Solving special boundary problems of nonsteady fluid flow in an elastic bed using electronic computers V. N. Shechelkachev, A. A. Samarskii, L. A. Vladimirov Izv. vys. ucheb. zav., nefi i gaz. 8 no 3:77-80 '65

#### ELECTRONIC DATA PROCESSING--ORE DRESSING

Drawing up an optimum supply plan for an ore dressing plant with the aid of electronic computers. V. L. Iakovlev, Izv. vys. ucheb. zav.; gor. zhur. 8 no 2:26-30 '65.

#### ELECTRIC DATA PROCESSING--PIPELINES

Determination of optimum combinations of standard diameters of pipes in hydraulic networks. N. U. Kolda Teploenergetika 12 no 4:35-37 Ap '65

#### ELECTRONIC DATA PROCESSING--POWER ENGINEERING

Use of computer techniques in power engineering. N. A. Logvinova Energ. i elektrotekh. prom. no 1:72-73 Ja-Jar '65.

#### ELECTRONIC DATA PROCESSING--PRODUCTION ENGINEERING

Abramov, S. A., M. I. Mar'ichev, and P. D. Polnikov. [Network methods of planning and administration; use of electronic computers for planning and administering development] Setevye metody planirovaniya i upravleniya; pimechanie EVM dlia planirovaniya i upravleniya inzhenernymi razrabotkami. Moskva, Sovetskoe radio, 1965. 166 p.

#### ELECTRONIC DATA PROCESSING--QUARRIES AND QUARRYING

Basis for the optimum height of the bench for flux limestone quarries with the use of electronic computers. M. G. Novozhilov, B. N. Tartakovskii, I. I. Gavriluk, Izv. vys. ucheb. zav., gor. zhur. 8 no 2:100-105 '65.

#### ELECTRONIC DATA PROCESSING--RAILROADS

(see also subdivision under Gorkiy)  
Coordinated characteristics of channels for data transmission. V. P. Andrianov, Vest. TSNII MPS 24 no 2: 58-62 '65.  
Use of computers in the selection of the optimum system of locomotive operation. V. M. Skidel'nikov, Vest. TSNII MPS 24 no 2:52-58 '65.

#### ELECTRONIC DATA PROCESSING--STONE INDUSTRY

Using mathematical programming and electronic computers in planning the development and distribution of the rock products industry. V. I. Petrov, Izv. vys. ucheb. zav., gor. zhur. 8 no 2:31-38 '65.

#### ELECTRONIC DATA PROCESSING--STRIP MINING

(see also subdivision under Kursk Magnetic Anomaly)  
Information transmission in an operative control system of technological processes in a strip mine. A. B. Markhasin Izv. vys. ucheb. zav., gor. zhur. 8 no 2: 15-18 '65.  
Method of utilizing geological sections in the investigation of open pit mining work procedures with the use of electronic computers. I. B. Tabakman, Izv. vys. ucheb. zav., gor. zhur. 8 no 2:48-52 '65.

Optimizing loading and hauling operations in strip mines by the nonlinear programming method. K. E. Vint'skii, E. I. Reentovich, M. P. Leonchuk Ugol' 40 no 4:18-52 Ap '65.

Use electronic computers for the determination of parameters of a transportation and dumping system in mining. V. S. Tsikin, Izv. vys. ucheb. zav., gor. zhur. 8 no 2:106-109 '65.

Use of electronic computers in planning open pit mines. M. M. Belezniak and others. Izv. vys. ucheb. zav., gor. zhur. 8 no 2:38-47 '65.

#### ELECTRONIC DATA PROCESSING--SUPPLY AND DEMAND

Electronic data processing in the service of the study of demand. N. Sushchuk, S. Kurak, Sov. torg. 33 no 5: 8-10 My '65

#### ELECTRONIC DATA PROCESSING--TURNING

see subdivision under Moscow

#### ELECTRONIC DIFFERENTIAL ANALYZERS

Transistorized arithmetical unit of a control computer based on a digital differential analyzer. V. F. Guzik, Izv. vys. ucheb. zav., elektromekh. 7 no 7:804-813 '64.

#### ELECTRONIC DIGITAL COMPUTERS

Basic algorithmic language. A. E. Kulinkovich, E. L. Usachenko Kibernetika no 2:3-8 Mr-Apr '65  
Golyshev, L. K. [Electronic digital computers] Elektronnye tsifrovye vychislitel'nye mashiny. Izd. 2., 1 spr. 1. Kiev, Tekhnika, 1965. 447 p.  
Interpolational parallel-type digital integrating machines with multiple-order increments. O. N. Pavchenko Kibernetika no 2:61-70 Mr-Apr '65.  
Meet the EMU-10 computer. L. Savchuk, Inform. blul, VDNKH no 4:21 Ap '65.

#### ELECTRONIC INSTRUMENTS

New designs of magnetoelastic kincometers. N. Ia. Verkhoturov Mashinostroyeniye no 4:37-38 Ap '65.

#### ELECTRONIC MEASUREMENTS

Null indicator for registering fields using an electrolytic tank technique. A. A. Dolzhenko Energ. i elektrotekh. prom. no 1:24-26 Ja-Mr '65.

[Special measurements in wire communication] Spetsial'nye izmereniya v provodnoi svyazi. [By] K. K. Abramov i dr. Moskva, Svyaz', 1965. 231 p.

#### ELECTRONIC MEASUREMENTS--HANDBOOKS, MANUALS, ETC.

Dobrokhotov, B. A., ed. [Measurements in electronics; a manual] Izmereniya v elektronike; spravochnik. Moskva, Energiya, 1965. 1-2, 1965. 2 v.

#### ELECTRONICS

A problem of gigantic importance. A. V. Gorkhovskii, Vest. svyazi 25 no 5:3-5 My '65.

#### ELECTRONICS--ABSTRACTS

[Electronics and its applications] Ref. zhur.: Elektr. i obshch. nos. 5-6 My-Je '65.

#### ELECTRONICS--CONGRESSES

[Radioelectronics in the national economy of the U. S. S. R.; collection of papers from technical conferences of the A. S. Popov Scientific and Technical Society of Radio and Electronics] Radioelektronika v narodnom khoziaistve SSSR, sbornik trudov nauchno-tekhnicheskikh konferentsii NTCR i E imeni A. S. Popova. Kutyshev No. 2, 1963. 108 p.

#### ELECTRONOGRAPHY

see Electron diffraction examination

#### ELECTRONS

Electric transfer of silicon, phosphorus, and sulfur in liquid cast iron and copper. N. A. Vatin, E. L. Dubinin, Fiz. met. i metalloved. 19 no 4:634-638 Ap '65.

Electronic structure and certain properties of transition metals and alloys of the 1st, 2d, and 3d long periods. Part 1. S. A. Nemnov Fiz. met. i metalloved. 19 no 4:550-568 Ap '65.

Probability (yield) of radiative recombination in cadmium telluride under electron excitation. V. S. Vavilov, E. I. Nolle, S. N. Makalimovskii, Fiz. tver. tela 7 no 5:1558-1559 My '65.

Radiation in a GaSe single crystal induced by fast electrons. N. G. Basov and others. Dokl. AN SSSR 161 no 5:1059 Ap '65.

Resonance motion of electrons in a magnetic field with helical symmetry. V. H. Marynin, Ukr. fiz. zhur. 10 no 5:481-485 My '65.

Study of the "shaking" of electron shells of oriented molecules containing p<sup>3</sup>. E. E. Berlovich, L. M. Kutenov, V. G. Fleisher, Zhur. eksp. i teor. fiz. 48 no 4:1013-1021 Ap '65.

Temperature dependence of the free path length of electrons in tin at low temperatures. V. F. Gantmakher, Yu. V. Sharvin, Zhur. eksp. i teor. fiz. 48 no 4:1077-1080 Ap '65.

Temperature dependence of the magnetization of a ferromagnet in a model of collective electrons. I. An Shl [Yang Shih], Dokl. AN Arm. SSR 40 no 2:93-100 '65.

Use of ground measuring data in determining the electron concentration profile above the maximum of the F-region. A. N. Kazantsev, S. A. Namazov Geomag. i aer. 5 no 3:429-434 My-Je '65

Use of the method of microdiffraction of ultrafast electrons in studying the fine structure of tungsten single crystals. N. M. Popov, E. M. Savitskii, G. L. Tsarov Dokl. AN SSSR 162 no 1:64-66 My '65.

#### ELECTRONS--CAPTURE

Capture and loss of electrons by fast ions in collisions with atoms. V. S. Nikolaev, Usp. fiz. nauk 85 no 4: 678-720 Ap '65.

Effect of the conditions of preparation on the formation of electron traps in self-activated zinc sulfide. A. A. Bundeil, G. V. Zhukov Opt. i spekt. 18 no 3:470-476 Mr '65

#### ELECTRONS--EMISSION

Dependence of the ion-electron emission of single crystals on the temperature of the target. V. M. Aganovich, D. D. Odintsov Dokl. AN SSSR 162 no 4:778-780 Je '65.

Electron emission in the bombardment of single crystals of alkali halide compounds by slow helium and argon ions. A. I. Kondrashev, N. N. Petrov Fiz. tver. tela 7 no 5:1550-1561 My '65.

#### ELECTRONS--SPECTRA

Anticorrelation of the energy gap in superconducting tin. A. G. Shaplev, G. D. Filimonov, Zhur. eksp. i teor. fiz. 48 no 4:1054-1061 Ap '65.

Metal-dielectric phase transitions. Divalent crystals. A. N. Kozlov, L. A. Maksimov, Zhur. eksp. i teor. fiz. 48 no 4:1184-1193 Ap '65.

#### ELECTROPHORESIS

Aleksaev, V. I. [Chalcosis of the eye] Khal'koz glaza. Moskva, Meditsina, 1965. 113 p. (DNLM)

Clinical importance of electrophoretic studies of protein fractions of the blood in eye diseases. G. A. Sokolovskii, Trudy 1-go MMI 32:85-98 '64.

Determination of glycoproteins in electrophoretic fractions of the blood serum. O. M. Kostukovskaya Sovr. metod. v biokhim. 1:123-129 '64.

Electrophoresis of proteins in a starch block. V. D. Uspenskaya, Sovr. metod. v biokhim. 1:87-110 '64.

#### ELECTROPHYSIOLOGY

Central organization of nervous processes and the basic impulse activity of neurons. A. B. Kogan, O. G. Choraian, Zhur. vys. nerv. delat. 15 no 2:229-237 Mr-Apr '65.

Changes in the electrotonic potential of the posterior root following supraspinal (Sechenov's) inhibition in the frog. G. M. Baskakova, Dokl. AN SSSR 162 no 2:468-471 My '65.

Conditioned reflex and contemporary neurophysiology. E. A. Asratian Zhur. vys. nerv. delat. 15 no 2:202-216 Mr-Apr '65.

Effect of electrical stimulation of the anterior portion of the hypothalamus on the reconstruction of the immunogenic reactivity of the organism. A. A. Abinder, Zhur. mikrobiol., epid. i immun. 41 no 10:47-50 '64

Effect of morphine on the electric activity in individual bulbar respiratory neurons. A. A. Granyin, Bul. eksp. i med. 59 no 4:53-57 Ap '65.

Electrophysiological data on the effect of some psychopharmacological substances on various structures of the human brain. N. N. Traugott, L. Ia. Balonov, D. A. Kaufman, Zhur. vys. nerv. delat. 15 no 1:42-52 Ja-F '65.

Electrophysiological study of the effect of unilateral and bilateral vagotomy on the work of the respiratory apparatus in excess intrapulmonary pressure. V. A. Safonov, Nauch. dokl. vys. shkoly; biol. nauki no 2: 55-58 '65.

Electrotonic potentials in spinal radicles of a frog. G. M. Baskakova, Dokl. AN SSSR 162 no 1:221-224 My '65.

Intracellular gradient of the resting potentials in muscle fibers during the course of alteration. M. I. Sologub, TSitoiologiya 4 no 5:530-537 S-O '62.

Ionic conductivity of the giant nerve cell membrane of an edible snail. V. D. Gerasimov, P. G. Kostin, V. A. Malekii Biophysika 10 no 1:62-68 '65.

Nerve impulse circulation in the system of lateral giant axons of the abdominal chain in a crayfish. IU. M. Burmistrov, Biophysika 10 no 1:90-97 '65.

Organization of afferent flow and the process of distinction of signals of various duration. G. V. Gershtun, Zhur. vys. nerv. delat. 15 no 2:260-273 Mr-Apr '65.

Study of electrical parameters of the skin preserved by deep freezing. E. V. Burlakova, E. A. Karagulyan, O. R. Kol's, Izv. AN Arm. SSR, Biol. nauki 18 no 2: 68-72 F '65.



## ENDOMETRIUM

Glands of the uterus in man and some animals. N. N. Brovina. Trudy Khir. med. inst. no 36/33-10 '57.

## ENDOSCOPY

Determination of the intactness of the bone with a modernized phonendoscope-osteoscope. O. K. Zaley-skiy. Voen.-med. zhur. no 7 '84 '64.

## ENERGY, BINDING see Binding energy

## ENERGY METABOLISM

Adaptation of white mice to low temperatures as a result of an acute periodical exposure to cold and accompanying changes of some physiological indices of energy metabolism in the body. S. F. Maslov, I. N. Ivashkina. Nauch. dokl. vys. shkoly, biol. nauki no 2 '59-63 '65.

Age-related characteristics of the regulation of energy metabolism processes in the heart. V. V. Frolik's, L. N. Bogatekova. Vop. geront. i geriat. 1:101-117 '65.

Change in combustion heats of fish and amphibian eggs during their development. V. S. Pavlov, A. I. Zolot. Dokl. AN SSSR 162 no 4:665-668 Je '65.

Comparative biochemical evaluation of energy metabolism of the striated muscles as related to their functional condition. N. N. Iakovlev. Uki biokhim. zhur. 37 no 1:137-150 '65.

Disorganization of energy metabolism in roots suffering from potassium deficiency. A. Kuranov and others. Dokl. AN SSSR 162 no 1:211-214 My '65.

Energy loss in soldiers during winter tactical exercises. I. M. Buznik. Voen.-med. zhur. no 10:50-51 '64.

Energy loss in submarine specialists keeping watch during cruises. B. G. Afanas'ev, A. I. Piretskiy. Voen.-med. zhur. no 7:63-64 '64.

Polarizing emission spectra of protein fluorescence and the possibility of the intertryptophan migration of energy. S. V. Konev, V. P. Bobrovich, E. A. Chernitskiy. Biofizika 10 no 1:42-47 '65.

## ENGELS, FRIEDRICH, 1820-1895

Correspondence between Friedrich Engels and Paul and Laura Lafargue. Vop. filos. 19 no 4:145-160 '65.

Correspondence between Friedrich Engels and Paul and Laura Lafargue. Vop. filos. 10 no 5:126-140 '65.

Letters by F. Engels. Vop. ist. KPSS 9 no 6:3-10 Je '65.

Marx's and Engels's struggle in the First International against the petit-bourgeois anarchist revolutionism and its methodological concepts. A. D. Kostikov. Nauch. dokl. vys. shkoly; filos. nauki 7 no 5:2-9 '64.

## ENGINEERING

Reputation of an engineer. I. Petrakov. Izobr. i rats. no 3:1-2 '65.

## ENGINEERING GEOLOGY

(see also subdivision under Irtysh-Karaganda Canal, Tashkent)

Developing rapid methods for research in engineering geology in the designing of large reservoirs. I. S. Komarov. Izv. vyz. ucheb. zav., geol. i razv. 7 no 11: 88-93 N '64.

Evaluating the causes of the development of landslide phenomena by the correlation method. R. I. A. Tsyganov. Izv. vyz. ucheb. zav., geol. i razv. 7 no 11:131 N '64.

## ENGINEERING MODELS

Pilluk, D. A. [Designing structural elements on the basis of models] Raschet stroitel'nykh konstruktsii na osnovu modelirovaniya. Leningrad, Stroizdat, 1965, 161 p.

Problem of the similitude in case of elastic and plastic phenomena in solids. V. N. Churakov. Izv. vyz. ucheb. zav.; av. tekhn. 8 no 3:40-47 '65.

## ENGINEERING RESEARCH see subdivision under

Dnepropetrovsk; Ukraine

## ENGINEERING STANDARDS see Standards, Engineering

## ENGINEERS

What kind of person should be? A. Zakhar'in. NTO 7 no 3:33-34 Mr '65.

## ENGINES—FUEL CONSUMPTION

Determining the expenditure of fuel during engine testing. V. L. Matveevskiy. Trakt. i sel'khoz. mash. no 3:41 Mr '65.

## ENGINES—RELIABILITY

If you look inside. G. Rublev. Izobr. i rats. no 4:3-4 '65.

## ENGLAND see Great Britain

## ENGLISH LANGUAGE—DICTIONARIES—LATIN

English-Latin dictionary of weed names (continuation). P. V. Popov. Khim. i sel'khoz. mash. 3 no 3:70-80 Mr '65.

## ENGLISH LANGUAGE—MIDDLE ENGLISH—PHONOLOGY

Middle English lengthening in open syllables: from the history of the phonemes /e/ and /o/. A. S. Liberman. Vest. LGU 20 no 8:129-137 '65.

## ENGLISH LANGUAGE—STUDY AND TEACHING

Mastering the construction of the English language in grades 1-2. V. M. Plakhotnyk. Rad shk. 44 no 5 '94-99 My '65.

## ENGLISH LANGUAGE—TRANSLATING

Fradkin, M. Sh. [Two-way translation; textbook on English for the foreign language institutes and faculties] Dvustoronnii perevod; posobie po angliiskomu yazyku dlia institutov i fakul'tetov inostrannykh yazykov. Moskva, Vysshaya shkola, 1964, 194 p. (MDU)

## ENGRAVING MACHINES

Program controlled engraving. Zh. S. Ravva, B. A. Rumanov. Stan i instr. 36 no 4:16-17 Ap '65.

## ENOLS

Catalytic action of amino acids and amines. Part II. Kinetics of enolization of acetone in the presence of amino acids of various structure. I. V. Mel'nikhenko, E. A. Shilov, A. A. Iasniov. Ukr. khim. zhur. 30 no 6:699-608 '64.

Synthesis of  $\alpha$ -silyl-substituted enols and related compounds. I. U. I. Bankov, G. S. Burdachenko, I. F. Lutsenko. Zhur. ob. khim. 35 no 4:757-758 Ap '65.

## ENRICHED FOOD see Food, Enriched

## ENSLAVE see Slings

## ENTERIC FEVER see Typhoid fever

## ENTEROBACTERIACEAE

Effect of antibiotics on the enzyme systems of bacteria. Report No. 3: Effect of levomycetin and streptomycin on the phosphatases of the colon bacillus and Flexner's dysenteric bacilli. E. L. Leibfried. Trudy Khir. med. inst. no 36:187-189 '67.

Lipopolysaccharides of alkali-forming of Enterobacteriaceae. O. I. A. Rashba, H. M. Laushnyk. Mikrobiol. zhur. 26 no 3:22-27 '64.

## ENTEROBACTERIACEAE—CULTURES AND CULTURE MEDIA

Comparative study of the polysaccharide-containing fraction of alkali-forming enterobacteria obtained after extraction of a complete antigen. H. M. Laushnyk. Mikrobiol. zhur. 27 no 2:17-23 '65.

Sensitizing streptomycin-resistant bacteria with the aid of bacterial filtrates. P. E. Vixir, H. M. Kovar'. Mikrobiol. zhur. 27 no 2:11-14 '65.

## ENTEROKINASE

Enterokinase determination as a test for evaluating the state of the intestine. G. K. Shlygin. Sov. metod. v biokhim. 1:282-291 '64.

## ENTIRE FUNCTIONS see Functions, Entire

## ENTOMOLOGICAL RESEARCH

Use of earth traps for studying the distribution and interaction of entomofauna components on the surface of the soil. A. I. Kudrin. Trudy Vses. ent. ob.-va 50:272-280 '65.

## ENTOMOLOGY

Shchegolev, V. N. [Entomology] Entomologiya. Moskva, Vysshaya shkola, 1964, 331 p. (CU)

## ENZYMES

Activity of oxidative enzymes in apple varieties different as to scab resistance. M. V. Gorenko, L. A. Ischenko. Biol. MOIP. Otd. biol. 70 no 2:90-98 Mr-Ap '65.

Characteristics of the changes in the enzymic activity of brain tissues in reflex epilepsy. A. A. Pokrovskiy, L. G. Ponomareva. Zhur. vyz. nerv. deiat. 15 no 1: 120-127 Ja-F '65.

Comparative enzymatic properties of the viruses of European chicken plague and Newcastle disease. G. A. Safonov, G. A. Ivanova, V. N. Siurin. Vop. vet. virus. 1:340-349 '64.

Economic efficiency of the use of fermentation preparations in the wine industry. F. K. Lysenko. Khar. prom. 2:65-68 Ap-Je '65.

Effect of the various sources of phosphorus on the biosynthesis of amylolytic ferments in ultraviolet mutants of fungi. R. N. Greveshova. Ferm. i spirt. prom. 31 no 1: 10-14 '65.

Formation of virus particles on the account of enzyme systems and structural proteins induced by another "helper" virus. V. I. Agol, G. A. Shifman. Vop. virus. 10 no 1:8-13 Ja-F '65.

Losses of the dry substances of the nutrient medium in the production of ferment preparations. D. B. Lifshits. Ferm. i spirt. prom. 31 no 1:21-25 '65.

Mechanism and enzymes of the conversion of citric acid into acyl phosphates in animal tissues. M. F. Hulyi, T. M. Pechonova, L. I. Matusevych. Ukr. biokhim. zhur. 37 no 1:58-60 '65.

Quality of enzymes and the introduction of plants. A. V. Blagoveshchenskii. Biol. Glav. bot. sadu no 6:13-9 '64.

Renetting activity of the Aspergillus strain of mold fungi. N. S. Paleva, N. V. Popova. Ferm. i spirt. prom. 31 no 4:6-8 '65.

Sorption of ferments by seldaf. M. S. Shul'man, V. A. Aptaseva. Ferm. i spirt. prom. 31 no 1:14-16 '65.

Study of enzymes activating amino acids in the process of the development of Azotobacter vinelandii. Chzhao Bin-Tin [Chao Pang-Ting], G. N. Zaitseva. Dokl. AN SSSR 162 no 2:458-461 My '65.

Studying the composition of pectin-splitting enzymes in the preparation obtained from the surface culture of Aspergillus niger. L. S. Losiakova, L. N. Mushnikova. Z N Mikhina. Ferm. i spirt. prom. 31 no 3:5-9 '65.

Transglycosylases accompanying the amylolytic enzymes of the Aspergillus strain of mold fungi. V. I. Rodzovich, G. M. Dobrolinskaya. Ferm. i spirt. prom. 31 no 4:8-11 '65.

Ukrainian seminar on the use of ferment preparations in the food industry. F. K. Lysenko. Khar. prom. no 2:75 Ap-Je '65.

Use of enzyme preparations. B. S. Abramzon. Khim. i kond. prom. 9 no 3:24-26 Mr '65.

## ENZYMES—THERMAL PROPERTIES

Study of the heat conductivity of fermentative solutions.

L. N. Aganoseva, A. L. Malchenko. Ferm. i spirt. prom. 31 no 1:17-21 '65.

## ENZYMES, DIGESTIVE see Digestive enzymes

## EPENDYMA

Reparation of the mitotic activity of the brain ependyma in the embryos of rats following X-ray irradiation. E. A. Val'shtrem. Dokl. AN SSSR 161 no 4:955-957 Ap '65.

## EPIC POETRY

Begunov, I. K. [Monument of 13th century Russian literature: the "Lay of the ruin of the Russian land"] Pamiatnik russkoi literatury XIII veka; "Slovo o pogibel'i Rus-skoi zemli" Moskva, Nauka, 1965, 227 p.

## EPIDEMIOLOGICAL RESEARCH

Methods of epidemiological analysis. I. S. Bezdenzhnykh. Trudy TSU 68:5-11 '64.

## EPIDEMIOLOGY

(see also subdivision under Kazakhstan)

Authors' abstracts. Zhur. mikrobiol., epid. i immun. 41 no 11:139-143 N '64.

Epidemiological study of mental morbidity. N. M. Zharikov. Zhur. nevrr. i psikh. 65 no 4:617-623 '65.

Materials on comparative epidemiology of schizophrenia in cities and rural areas. L. D. Krasik. Zhur. nevrr. i psikh. 65 no 4:608-616 '65.

Problems of the clinical aspects of infectious diseases at the 14th All-Union Congress of Microbiologists, Epidemiologists and Infectious Disease Specialists (June 29 - July 4, 1964). G. P. Rudnev. Zhur. mikrobiol., epid. i immun. 42 no 4:3-6 Ap '65.

## EPIDIDYMS—CANCER

Experimental cancer of the epididymis induced in white rats by carcinogenic hydrocarbons. A. G. Bohkov. Arkh. pat. 26 no 12:18-26 '64.

## EPILEPSY

Characteristics of the changes in the enzymic activity of brain tissues in reflex epilepsy. A. A. Pokrovskiy, L. G. Ponomareva. Zhur. vyz. nerv. deiat. 15 no 1: 120-127 Ja-F '65.

Epileptic seizures caused by hypoxemia. V. B. Malikh, V. G. Terent'ev. Voen.-med. zhur. no 6:49-50 '64.

Study of the mobility of the basic nervous processes in epilepsy. S. D. Rasin. Fiziol. zhur. [Ukr.] 9 no 1: 110-117 Ja-F '63.

## EPITHELIUM

Composition of the midgut epithelium in the caterpillar of Lepidoptera. Chzhu Khat-ying [Chu Hsi-ching]. E. G. Bekker. Vest. Moak. un. Ser. 6: Biol., pochv. 20 no 2: 63-71 Mr-Ap '65.

Experimental data on the qualitative adaptation of epithelial tissue. I. Zs. Nagy, S. Kalapos, G. Lovai. Arkh. anat., gist. i embr. 46 no 4:80-86 Ap '64.

Study of the mitotic cycles in some epithelial tissues of mice under the influence of estrone. O. L. Epifanova. Arkh. anat., gist. i embr. 46 no 4:27-37 Ap '64.

Thermolability of the ciliate epithelium cells of the Black Sea actinofans in different seasons. L. N. Dregol'skaya. TSitologiya 4 no 5:538-544 S-O '62.

## EPOXY RESINS

Restoring the casing of a hydraulic pump using epoxy resins. V. Erin, A. Poddubnaya. Tekh. v sel'khoz. 26 no 4:72-73 Ap '65.

## EQUATIONS

Nonlinear equations of the first kind. A. N. Tikhonov. Dokl. AN SSSR 161 no 5:1023-1026 Ap '65.

## EQUATIONS, LINEAR see Linear equations

## ERBIUM

Pressure of saturated vapors of erbium, samarium, and ytterbium. A. A. Kruglikh, H. P. Kortun, V. S. Pavlov. Ukr. fiz. zhur. 10 no. 4 432-435 Ap '65.

## ERBIUM ISOTOPES—SPECTRA

Levels of the  $Er^{168}$  nucleus excitable in the  $(n, \gamma)$  reaction. L. V. Groshev and others. Izv. AN SSSR, Ser. fiz. 29 no. 5 772-781 My '65.

## ERGOCALCIFEROL AS FEED

Use of vitamin  $D_2$  in fattening swine for meat. F. A. Cherkles. Vestsi AN BSSR, Ser. sel'khoz. nauch. 1 123-124 '65.

## ERIVAN REGION—BORON

Distribution of boron in the rocks and underground waters of the Erivan region. E. S. Khalitsan. Izv. AN Arm. SSR, Nauka o zem. 28 no. 1 31-39 '65.

## EROMASOV, PETR FEDOROVICH

Unfinished story about a hero. P. Mikhailov. Grazhd. sv. 23 no. 2 3 F '65.

## EROSION

(See also subdivision under Adzhar-Imeret Range, Azerbaijan; Kirghizistan)

One of the factors in the bottom erosion of a stream channel. N. I. Kochetov. Izv. Vses. geog. ob-va. 97 no. 2 175-176 Mr.-Ap '65.

## EROSION OF METALS

Erosion and deformation in cyclic thermal treatment. D. M. Konec, G. V. Smirnov, Kuz.-strem. proizv. 6 no. 12 7-8 D '64.

## ERROR-CORRECTING CODES (INFORMATION THEORY)

Preparation of cyclic noise-proof codes and an analysis of their error-correcting capacity. S. I. Samoilenko. Dokl. AN SSSR. 162 no. 3 516-519 My '65.

## ERRORS, THEORY OF

Concerning the article of B. A. Litvinov "More about the distribution of errors in traverse nets." F. F. Pavlov. Izv. vys. ucheb. zav., geod. i aerof. no. 5: 122-123 '64.

Determining the mean values of the basic parameters of oil reservoirs with a given degree of accuracy based on a study of the Tuzmazoy oil field. T. P. Mironov. Neft-prom. delo. no. 2 9-12 '65.

Effect of the errors in the starting data on the results of adjustment. G. S. Bronshteyn. Izv. vys. ucheb. zav., geod. i aerof. no. 5: 51-56 '64.

More about the distribution of errors in traverse nets. B. A. Litvinov. Izv. vys. ucheb. zav., geod. i aerof. no. 5: 118-121 '64.

Net adjustment in groups by successively expanding corrections according to the absolute terms of conditional equations. B. I. Bafaev. Izv. vys. ucheb. zav., geod. i aerof. no. 5: 49-52 '64.

## ERYTHROBLASTOSIS FETALIS

Case of congenital toxoplasmotic meningoencephalomyelitis complicated by edematous form of symptomatic erythroblastosis. N. F. Silaeva. Arkh. pat. 27 no. 5 37-79 '65.

Hematological studies in experimental fetal erythroblastosis. M. Sh. Verbitskii. Pat. fiziol. i eksp. terap. 9 no. 2: 48-49 Mr.-Ap '65.

Late fetopathy without edema and icterus determined by the rhesus conflict. E. B. Shtytsko. Arkh. pat. 27 no. 3 60-65 '65.

Serological studies in experimental erythroblastosis fetalis. M. Sh. Verbitskii. Biol. eksp. biol. i med. 59 no. 4: 81-84 Ap '65.

## ERYTHROCYTES

Dynamics of the change in properties of photosensitized erythrocytes. IU. A. Kriger, E. A. Sverdlava. Biofizika. 10 no. 1 176-178 '65.

Effect of vitamin C content in the body on the physiological value of preserved blood erythrocytes. T. S. Barkagan, L. M. Romendik. Vop. pit. 23 no. 5 28-33. S-O '64.

Photometric method for determining the amount of erythrocytes in the blood of cattle. S. A. Stepanova, N. P. Chesnokova, V. N. Podshivalova. Sbor. stud. rab. VMI. no. 3: 25-32 '63.

Physicochemical foundations of the osmotic resistivity of erythrocytes. P. A. Podrabsnek. Biofizika. 10 no. 1 118-123 '65.

Sorption of erythrocytes and penetration of some antibiotics into them. O. O. Sukachova. Mikrobiol. zhur. 27 no. 2: 61-64 '65.

Spectral properties of intraerythrocyte hemoglobin in individual cells of the mixed erythrocyte population. L. E. Gora. Biofizika. 10 no. 1: 110-117 '65.

## ERYTHROMYCIN

Erythromycin treatment of trachoma patients in rural therapeutic and prophylactic institutions. G. Annayev. Izv. AN Turk. SSR, Ser. biol. nauk. no. 2: 81-85 '65.

## ERYTHROPOIESIS

Cultivation of bone marrow in the form of suspension for the study of the erythropoietic activity of the plasma, a description of the method. S. I. Shokter. Pat. fiziol. i eksp. terap. 9 no. 2: 81-83 Mr.-Ap '65.

Effect of whole-body X-ray irradiation on the erythropoietic activity of the blood in anesthetized animals. R. A. Arutunian. Izv. AN Arm. SSR, Biol. nauki. 18 no. 4: 22-28 Ap '65.

Study of erythropoiesis in uterine myoma patients. E. V. Syrykin. Akush. i gín. 40 no. 5: 134-139 S-O '64.

## ESCHERICHIA COLI

Antigen structure of the *Escherichia coli* strain M-17. IU. L. Subbotina. Zhur. mikrobiol., epid. i immun. 41 no. 11 58-65 N '64.

Effect of some antibiotics on the development of the Zdrovovskii-Sanarelli-Schwartzman phenomenon. Z. G. Iofe, Trudy Khar. med. inst. no. 30: 215-218 '67.

Sensitivity of pathogenic and bacterial *Escherichia coli* to various types of colicins. V. G. Likhodet, D. G. Kudiat, I. V. Golubeva. Zhur. mikrobiol., epid. i immun. 41 no. 11: 85-90 N '64.

## ESCHERICHIA COLI—CULTURES AND CULTURE MEDIA

Acquisition of the resistance to antibiotics and the variability of *E. coli* and *Bact. proteus* under the conditions of continuous flow cultivation. O. M. Kovaleva. Mikrobiol. zhur. 26 no. 3 50-53 '64.

Use of some organic acids and acid combinations by *Bacterium formicum* under aerobic conditions. V. N. Shaposhnikov, Zh. K. Loria. Dokl. AN SSSR. 162 no. 2: 445-446 My '65.

## ESENIN, SERGEI ALEKSANDROVICH, 1895-1925

Naumov, E. I. [Sergei Esenin; his life and works]. Sergei Esenin: zhizn' i tvorchestvo. Izd. 2. Moskva, Prosvetshchenie, 1965. 280 p.

When was S. Esenin's first collection of verse published? V. A. Vdovina. Vest. Mosk. un. Ser. 7: Filol., zhur. 20 no. 2 75-76 Mr.-Ap '65.

ESKIMOS—ANTTIQUITIES see subdivision under Chukchi National Area

ESKIMOS—CRANIOLGY see subdivision under Chukchi National Area

ESOPHAGEAL FISTULA see Fistula, Esophageal

## ESOPHAGUS—BLOOD SUPPLY

Changes in the vessels of the human esophagus under pathological conditions. V. I. Burova. Dop. AN URSSR. no. 4: 519-521 '65.

## ESOPHAGUS—CANCER

Cancer of the upper region of the stomach with transition into the esophagus in patients over 60 years of age. A. V. Bogdanov, L. I. Kravtsev, L. G. Kharitonov, Khirurgia. 41 no. 4 52-56 Ap '65.

Methodology of the removal of cancer of the thoracic part of the esophagus. A. S. Lur'e. Khirurgia. 41 no. 4 47-52 Ap '65.

Removal of the cardia and the lesser curvature of the stomach in the resection of the thoracic portion of the esophagus for cancer. L. I. Rogozov. Vest. khir. 93 no. 12: 7-10 D '64.

Resection of the esophagus for recurrence of cancer in a patient having had extirpation of the stomach. T. V. Donskaya. Vest. khir. 93 no. 12: 99 '64.

## ESOPHAGUS—DISEASES

Changes in the vessels of the human esophagus under pathological conditions. V. I. Burova. Dop. AN URSSR. no. 4: 519-521 '65.

Esophageal cysts of the mediastinum. G. A. Lavnikova. Arkh. pat. 26 no. 12 87-70 '64.

## ESOPHAGUS—FOREIGN BODIES

Foreign bodies in the esophagus. L. G. Dvali. Soob. AN Gruz. SSR. 28 no. 5: 613-620 My '62.

Foreign body injury of the esophagus complicated by mediastinal and cervical phlegmon. IU. A. Abramovich. Vest. khir. 94 no. 2: 103-104 F '65.

## ESOPHAGUS—SURGERY

Methodology of the removal of cancer of the thoracic part of the esophagus. A. S. Lur'e. Khirurgia. 41 no. 4: 47-52 Ap '65.

Removal of the cardia and the lesser curvature of the stomach in the resection of the thoracic portion of the esophagus for cancer. L. I. Rogozov. Vest. khir. 93 no. 12: 7-10 D '64.

State of an esophagointestinal anastomosis 15 years after gastrectomy for cancer of the upper region of the stomach with a transition to the esophagus. K. A. Mekarova, A. V. Bogdanov. Khirurgia. 41 no. 4: 129-130 Ap '65.

## ESOPHAGUS—WOUNDS AND INJURIES

Foreign body injury of the esophagus complicated by mediastinal and cervical phlegmon. IU. A. Abramovich. Vest. khir. 94 no. 2: 103-104 F '65.

## ESSENCES AND EXTRACTS

Efficient method of processing patchouli distillate. N. Z. Iakobashvili. Maslozh. prom. 31 no. 1 10-11 Ap '65.

Potentials for the increase of milk crops. N. M. Zhadnov. Maslozh. prom. 31 no. 2: 22-24 F '65.

Tanasienko, Y. S. [Processing of seed raw materials for essential oils]. Pererabotka zernovogo efirnomaslichnogo syrya. [Belgorod] Belgorodskoe knizhnoe izd-vo, 1960. 110 p.

[MICROFILM]

## ESTERS

Mechanism of the inhibition effect of phosphoric esters. M. S. Khlopiankina and others. Neftokhimiya. 5 no. 1 49-52 Ja-F '65.

Potential cytotoxic arrangements. Part 6: Reactivity of esters of *N*-ethyl and *N*-(2-chloroethyl)-*N*-methylglutamic, carbamic and sulfamic acids. I. S. Yaguzhinskiy, A. D. Chirbaeva, I. A. Beilin. Zhur. org. khim. 1 no. 1 10-18 Ja '65.

Reduction of esters of substituted  $\alpha$ -nitroacrylic acids on a skeletal nickel catalyst. B. K. Babtevkil. Izv. AN SSSR, Ser. khim. no. 4: 760-761 '65.

## ESTONIA—AERONAUTICS, COMMERCIAL

Russia (1923- U. S. S. R.). *Ministerstvo grazhdanskoi aviatsii. Estonskaja otdel'naja aviagruppa. [In the sky of Estonia, on the twentieth anniversary of the Estonian Separate Air Group, 1944-1964]. V nebe Estonii, k dyat'satil'itiju Estonskoi otdel'noi aviagruppy (1944-1964)*. Tallinn, Estonskoe gos. izd-vo, 1964. 100 p.

## ESTONIA—CIVIL LAW

Estonian S. S. R. Laws, statutes, etc. [Civil code of the Estonian S. S. R.]. Grazhdanskii kodeks Estonskoe gos. izd-vo, 1964. 302 p. (CSL-II)

## ESTONIA—CONTRACTS, AGRICULTURAL

Efficiency of the forward contractual agreement. A. Karp. Zakup. sel'khoz. prod. no. 3: 45 M '65.

## ESTONIA—COOPERATIVE SOCIETIES

Work of innovators at the enterprises. I. Zolotarevskii. Sov. potreb. koop. 0 no. 4: 22-23 Ap '65.

## ESTONIA—CORALS, FOSSIL

Klaamann, E. R. [Late Ordovician and Early Silurian Favositids of Estonia]. Pozdneordovizskie i rannesilurizskie Favositida Estonii. Tallinn, In-t geol. AN Estonskoi SSR, 1964. 116 p. illus.

## ESTONIA—ECONOMIC CONDITIONS

Estilmaa Lennilik Kommunistlik Noorsooühing. Keskko-mitee. [On the upgrade]. Tõusulained, Tallinn, Eesti Riiklik Kirjastus, 1961. 145 p. [In Estonian] (MII)

## ESTONIA—FOLK SONGS

Tampere, Heibert, comp. [Estonian folk songs with the melodies] Eesti rahvalaule viitidega. Tallinn, "Eesti Raamat," [In Estonian] Vol. 4, 1964. 340 p.

## ESTONIA—FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS

In the Estonian administration of the Scientific and Technical Society of the Food Industry. V. I. A. Draluk. Khleb. i kond. prom. 9 no. 5: 42-43 My '65.

## ESTONIA—HISTORY

Some problems of the studies of local history. H. H. Kuus. Ist. SSSR. 9 no. 2: 205-206 Mh.-Ap '65.

## ESTONIA—LAND TENURE

Taryel, Enn. [Manor, landowner and serf; agrarian relations on the Polish estates on the territory of southern Estonia at the end of the 16th and the beginning of the 17th century]. Pol'yark, pau i poddannii, agrarnye otnosheniya v pol'skikh vladeniakh na territorii IUzhnoi Estonii v kontse XVI-nachale XVII veka. Tallinn, Akad. nauk Estonskoi SSR, 1965. 348 p.

## ESTONIA—POULTRY BREEDING

Scientific poultry-breeding center in Estonia. A. Volkov. Inform. biol. VDNKII no. 4: 27 Ap '65.

## ESTONIA—QUALITY CONTROL

Quality of materials and the economics of the enterprise. E. Kaitaa. Vop. ekon. no. 5: 131-133 My '65.

## ESTONIA—RITES AND CEREMONIES

The new rites should become a part of the mode of life. J. Vakhjus. Part. zhizn'. no. 11: 44-46 Je '65.

## ESTONIA—SOVIETS

[Deputies relate] Deputaty rasskazывают, Tallinn, Est-gosizdat, 1964. 72 p. (CSL-II)

## ESTONIA—STROMATOPOROIDEA

Nestor, Kh. E. [Ordovician and Llandoveryan Stromatoporoidea of Estonia]. Stromatoporoidea ordovizka i llandoveryi Estonii. Tallinn, In-t geol. Akad. nauk Estonskoi SSR, 1964. 111 p. illus.

## ESTONIA—YOUTH

*Eesti Noorhõlm Kommunistlik Noorsooühing, Keskkomitee, [On the upgrade] Toosulained, Tallinn, Eesti Rahklik Kirjastus, 1961, 145 p. [In Estonian] (MI)*

## ESTONIANS see subdivision under Chicago

## ESTRADIENONE

Some chemical transformations of methyl ether of cis-16-nor- $\Delta^9(11)$ -estra-15,17-dione L. N. Ivanova, T. A. Severina, V. F. Kucherov. *Izv. AN SSSR, Ser. khim.*, no. 5:843-848 '65.

## ESTROGENS

Effect of extract taken from a mammary gland tumor on the folliculo-stimulating function of the hypophysis in rats I. O. Smirnova, V. I. Samoilov. *Blud eksp. biol. i med.* 59 no. 4:92-94 Ap '65.

Uro- and copycytology as diagnostic tests of estrogen saturation S. E. Pollak. *Sov. med.*, 28 no. 1:90-96 Ja '65.

## ESTROGENS—PHYSIOLOGICAL EFFECT

Interceptive conditioned response from the uterus following extirpation of the premotor zone of the cerebral cortex in dogs under conditions of saturation with estrogen, L. I. Lebedeva. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:95-99 '65.

## ESTRONE

Study of the mitotic cycles in some epithelial tissues of mice under the influence of estrone, O. I. Epifanova. *Ark. anat., gist. i embr.* 46 no. 4:27-37 Ap '64.

Synthesis of 18-nor-13-alkylestrones, A. V. Zakhar'yev and others. *Izv. AN SSSR, Ser. khim.*, no. 4:760 '65.

## ESTRUS

Changes in the sex cycle and the dynamics of radioactive phosphorus ( $P^{32}$ ) concentration in the ovaries following repeated entering of small quantities of the isotope into the body, experimental research, L. A. Doborov'skiy. *Akush. i gin.* 40 no. 5:153-164 S-O '64.

Sex reflexes in monkeys following the exclusion of the peripheral ends of distant analyzer, K. G. Lebedev. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:90-103 '65.

## ETHANES

Catalytic hydrogenolysis of ethane and cyclohexane on Ni-Kieselgur catalysts, T. A. Slovkhotova and others. *Izv. AN SSSR, Ser. khim.*, no. 5:785-792 '65.

Experimental study of the dehydrochlorination of dichloroethane in order to obtain vinyl chloride in a reactor with a fluidized bed and ascending through-flow of a catalyst, M. F. Nagiev and others. *Azerb. khim. zhur.*, no. 3:44-50 '64.

Use of ethyl chloride for artificial cardiac arrest G. D. Joseliani, O. I. Burdzhanchadze, N. S. Chikhaishvili. *Soob. AN Gruz. SSR* 37 no. 3:725-728 Mr '65.

## ETHANES—THERAPEUTIC USE

Fluorescence microscopic study of the therapeutic effectiveness of neoclide, V. S. Dorokh, A. P. Kononenko. *Trudy Khim. med. inst.*, no. 36:175-178 '67.

## ETHANETHIOL

Effect of homogenates of various tissues on the radioprotective activity of cysteamine in the process of irradiation of Ehrlich's ascitic carcinoma cells in vitro, I. V. Nekrasova. *Dokl. AN SSSR* 162 no. 4:950-951 Je '65.

## ETHANOL

Complex compounds of cupric chloride with monoethanolamine, V. V. Udivenko, M. A. Shostakova. *Ukr. khim. zhur.* 31 no. 1:23-26 '65.

Effect of ethanolamine on some properties of myosin and actomyosin, G. V. Barsugian. *Dokl. AN Arm. SSR* 40 no. 2:109-115 '65.

Properties of ethanolamine compounds of divalent platinum, A. I. Ryskin, A. M. Tkachuk, N. A. Tolstoi. *Opt. i spekt.* 18 no. 3:422-431 Mr '65.

Triethanolamine vinylin reaction, M. F. Shostakovskii and others. *Izv. AN SSSR, Ser. khim.*, no. 4:698-701 '65.

## ETHAPERAZINE—SIDE EFFECTS

Unusual side effects of ethaperazine treatment similar to psychic disorders in epidemic encephalitis, O. N. Kuznetsov. *Vop. klin., patol. i lech. zhiz.* no. 1:78-80 '64.

## ETHER

Effect of the solubility of ether in water and of other factors in the loss of barbital during its isolation from aqueous solutions V. I. Lobanov. *Farmatev, zhur.* 19 no. 1:55-58 '64.

## ETHERS

Ethers with the allyl position of a double bond. Part 17: Ethers of 2,4-dimethyl-2,6-heptadien-4-ol. V. I. Pansevich-Kolada, I. A. Shnyy. *Zhur. org. khim.* 1 no. 1:57-59 Ja '65.

Glycol ethers and their derivatives. Part 07: Synthesis of  $\gamma$ -chloroethers of the aromatic series. Shamkhal Mamedov, A. S. Agayev. *Zhur. org. khim.* 1 no. 1:69-71 Ja '65.

Reactions of ethers with unsaturated radicals. Part 3: Splitting of 1,4-dialkoxy-2-butenes G. M. Mkrtchyan, Sh. I. Mndzhoian. *Izv. AN Arm. SSR, Khim. nauk* 18 no. 1:44-49 '65.

Reactions of methyl- $\alpha$ -Cl-ethyl ether with the metal derivatives of acetoacetic ester, T. I. Tomnikova, V. V. Takhistov. *Zhur. ob. khim.* 35 no. 4:752 Ap '65.

## ETHICS

Certain philosophical problems of ethics K. A. Shvartsmann, A. F. Shishkin. *Vop. filos.* 19 no. 4:81-91 '65.

Foundations of neopositivist ethics rooted in the theory of knowledge and logic I. S. Narskii. *Vest. Mosk. un.* Ser. 8: Ekon., filos. 20 no. 3:37-48 My-Je '65.

## ETHNOLOGY see subdivision under White Russia

## ETHNOLOGY—CONGRESSES

Averkieva, I. U. P., and V. K. Sokolova. [7th International Congress of Anthropological and Ethnological Sciences] VII Mezhdunarodnyi kongress antropologicheskikh i etnograficheskikh nauk. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v zhizni, nauke, tekhnike 1 Seriya Istoriia, no. 10)

International Congress of Anthropology and Ethnography in Moscow, M. P. Prikhod'ko. *Ukr. ist. zhur.* 8 no. 6: 145-148 N-D '64.

## ETHYL ALCOHOL

Studying the synthesis of organic compounds from CO and H<sub>2</sub> using tagged ethyl alcohol I. U. B. Krutkov and others. *Neftekhim. i gaz* 5 no. 1:62-67 Ja-F '65.

## ETHYL ALCOHOL—STANDARDS

Production of food quality ethyl alcohol and methanol meeting the requirements of the state standard 2222-64, M. A. Zinina. *Gidroliz. i lesokhim. prom.* 18 no. 2:19-23 '65.

## ETHYL CARBAMATE

Aseptic inflammation in the connective tissue following the administration of urethane, L. D. Petrova. *Ark. anat., gist. i embr.* 46 no. 4:52-62 Ap '64.

## ETHYLAMINE

Furan series. Part 34: Synthesis based on  $\beta$ -(2-furyl) ethylamine K. U. Novitskii and others. *Zhur. org. khim.* 1 no. 1:60-162 Ja '65.

## ETHYLENE

Analyzing factors affecting pyrolysis in an "ethylene regime" and determining the parameters of automatic control I. A. Ibragimov, Sh. A. Nagiev. *Izv. vyz. ucheb. zav. i neftekhim. i gaz* 8 no. 3:97-99 '65.

Chain transfer constants in telomerization of ethylene by chloroform, B. A. Englin, R. Kh. Freidlina. *Izv. AN SSSR, Ser. khim.*, no. 3:425-431 '65.

Dimerization of ethylene on nickel and cobalt catalysts, I. I. Pisman, M. A. Dalin, G. V. Vasil'kovskaya. *Azerb. khim. zhur.* no. 3:65-74 '64.

Effect of ethylene oxide or amines on the chain transfer with a modifier in the telomerization of ethylene by carbon tetrachloride, I. A. Kh. Freidlina, E. T. Chukovskaya, I. U. P. Chizhov. *Dokl. AN SSSR* 162 no. 2:359-361 My '65.

Mass spectrometric detection of reactions between highly excited hydrogen atoms and ethylene molecules, S. T. Kupriyanov. *Dokl. AN SSSR* 162 no. 4:865-868 Je '65.

Organometallic derivatives of ethylene, A. N. Nesmejanov, A. E. Borisov, N. V. Novikova. *Izv. AN SSSR, Ser. khim.*, no. 1:793 '65.

Synthesis and study of polymeric complexes formed in the reaction of tetracyanoethylene with metal powders A. A. Berlin and others. *Vysokom. soed.* 7 no. 1:88-93 Ja '65.

## ETHYLENE—COSTS

Distribution of expenditures for acetylene and ethylene in their simultaneous production, B. A. Brunshtein and others. *Nefteper. i neftekhim.* no. 4:28-30 Ap '65.

## ETHYLENE ALCOHOL see Glycols

## ETHYLENE COMPOUNDS

Dipole moments and the structure of adducts of hexachlorocyclopentadiene with halo-substituted ethylenes, B. A. Arbutov, A. N. Vereshchagin. *Izv. AN SSSR, Ser. khim.*, no. 4:598-604 '65.

## ETHYLENE GLYCOL

Glycol ethers and their derivatives. Part 65: Synthesis of monoalkoxydimethyl ethers of diethylene glycol. Shamkhal Mamedov, R. A. Aminulmoud, A. S. Agayev. *Zhur. org. khim.* 1 no. 1:50-63 Ja '65.

Glycol ethers and their derivatives. Part 66: Synthesis of mixed dialkoxymethyl ethers of triethylene glycol. Shamkhal Mamedov, T. Dzhalilov, M. A. Avanesian. *Zhur. org. khim.* 1 no. 1:64-69 Ja '65.

Reaction of the addition of glycols and polyethylene glycols to vinyl butyl ether, M. F. Shostakovskii and others. *Zhur. ob. khim.* 35 no. 4:613-615 Ap '65.

## ETHYLENE OXIDE

Method for determining ethylene oxide (survey). N. A. Kolchina. *Zhur. anal. khim.* 20 no. 3:380-387 '65.

## ETHYLENE POLYMERS

Symmetry and dimensions of the elementary cell of polytrifluoroethylene E. L. Gal'perin, I. U. Strogalin. *Vysokom. soed.* 7 no. 1:16-18 Ja '65.

Telomerization of ethylene by carbon tetrachloride in the presence of redox systems, I. P. Lavrent'ev, F. K. Velichko, I. U. P. Chizhov. *Izv. AN SSSR, Ser. khim.* no. 4:832-835 '65.

## ETHYLENEDIAMINE

Catalytic action of amino acids and amines in reactions of carbonyl compounds. Part 16: Kinetics and mechanism of iodination of acetal phosphate in the presence of ethylenediamine, N. V. Volkova, E. A. Shiflov, A. A. Tsankov. *Ukr. khim. zhur.* 31 no. 1:56-66 '65.

## ETHYLENIMINE

N-alkoxymethyl ethylenimines, R. G. Kostianovskii, O. A. Pan'ashin. *Izv. AN SSSR, Ser. khim.*, no. 4:740-743 '65.

N,N'-methylene- and benzylidenbisethylenimines, R. G. Kostianovskii, O. A. Pan'ashin. *Izv. AN SSSR, Ser. khim.*, no. 3:367-370 '65.

## ETHYLENIMINE—EFFECT ON PLANTS see Plants, Effect of ethylenimine on

## ETHYLENIMINE—PHYSIOLOGICAL EFFECT

Mutagenic effect of nitroalkylurea and ethylenimine on back mutations in actinomycetes, I. U. E. Bartoshevich. *Dokl. AN SSSR* 162 no. 1:193-196 My '65.

## EURASIA—GEOLOGY, STRUCTURAL

Types of the structures of young platforms in Eurasia R. G. Garetskii, A. E. Shlezinger, A. L. Tanshin. *Geotektonika* no. 1:39-50 Ja-F '65.

## EUROPE—POLITICS

Peace and security in Europe. *Mezhdunar. zhizn'* 12 no. 5:3-8 My '65.

## EUROPE, EASTERN—AGRICULTURAL WAGES

Practice in material incentives in the European socialist countries E. Rudakov. *Ekon. sel'khoz.* 40 no. 5:108-113 My '65.

## EUROPE, EASTERN—CIVIL RIGHTS

Mozokhina, A. G. [Personal liberties and fundamental rights of citizens in the socialist countries of Europe] Svoboda lichnosti i osnovnye prava grazhdan v sotsialisticheskikh stranakh Evropy. Moskva, Nauka, 1965. 294 p.

## EUROPE, EASTERN—COMMERCE

Results of two decades, N. Volkov. *Vnesh. torg.* 45 no. 5:3-9 '65.

## EUROPE, EASTERN—COMMUNIST PARTIES

Makhusenko, A. Kh. [Basic institutions of state law of the European people's democratic countries; a textbook] Osnovnye instituty gosudarstvennogo prava evropeiskikh stran narodnoi demokrati; uchebnoe posobie. Moskva, Vses. iuridicheskii nauchnyi in-t, 1964. 325 p.

## EUROPE, EASTERN—CONSTITUTIONAL LAW

Makhusenko, A. Kh. [Basic institutions of state law of the European people's democratic countries; a textbook] Osnovnye instituty gosudarstvennogo prava evropeiskikh stran narodnoi demokrati; uchebnoe posobie. Moskva, Vses. iuridicheskii nauchnyi in-t, 1964. 325 p. Mozokhina, A. G. [Personal liberties and fundamental rights of citizens in the socialist countries of Europe] Svoboda lichnosti i osnovnye prava grazhdan v sotsialisticheskikh stranakh Evropy. Moskva, Nauka, 1965. 294 p.

## EUROPE, EASTERN—CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Establishing norms for construction time in housing, B. Ionas. *Ekon. stroit.* no. 12:61-64 D '64.

## EUROPE, EASTERN—ECONOMIC CONDITIONS

Historic 20th anniversary; a contribution to the history of the development of the countries of Central and Southeastern Europe, I. A. B. Shimerai, L. B. Vafiev. *Sov. slav.* no. 1:9-19 '65.

## EUROPE, EASTERN—ECONOMIC POLICY—CONGRESSES

Problems of the economic development of the European socialist countries, A. Ostrovskanov. *Vop. ekon.* no. 6:151-155 My '65.

## EUROPE, EASTERN—HISTORY

Academic sessions, A. I. Speranskii. *Sov. slav.* no. 1: 108-111 '65.

## EUROPE, EASTERN—INDUSTRIAL MANAGEMENT

Improving the forms of industrial management in the European socialist countries V. Demchenko, I. Sushchynska, L. Fedoryshcheva. *Ekon. Rad. Ukr.* 8 no. 4:81-85 Ap '65.



## EUROPE, EASTERN—PEASANTRY

A session of the Symposium on the Agrarian History of Eastern Europe K. L. Strukova Sov. slav. no. 115 '65  
The Seventh International Symposium on the Agrarian History of Eastern Europe I. V. Ledovskaya Ist. SSSR 9 no. 2-3-230 Mr.-Ap '65

## EUROPE, EASTERN—POLITICS

Academiya nauk SSSR. Institut slavianovedeniia. [Austro-Hungary and Slavic-German relations] Avstro-Vengriia i slaviano-germanskie otnosheniia Moskva, Nauka, 1963 262 p

## EUROPE, EASTERN—POLITICS AND GOVERNMENT

Historic 30th anniversary; a contribution to the history of the development of the countries of Central and Southeastern Europe I. A. B. Shmerai, L. B. Valev Sov. slav. no. 1-9-19 '65

## EUROPE, EASTERN—RAILROADS—JOINT USE OF FACILITIES

OTW [common freight car pool] in the service of fraternal nations A. Sokolov Vnesh. torg. 45 no. 5; 15-16 '65

## EUROPE, EASTERN—TRANSPORTATION

Ways of developing transportation in the system of the international socialist division of labor. B. Gorizontov. Vop. ekon. no. 5-82-89 My '65

## EUROPE, EASTERN—WAGES—RETAIL TRADE

Awarding bonuses to trade workers. N. Vladova. Sov. torg. 38 no. 5:43-46 My '65

## EUROPE, EASTERN—WORLD WAR, 1939-1945—CAMPAIGNS

Across the Carpathians I. Sandalov Voen.-ist. zhur. 7 no. 4:70-78 Ap '65

Berlin-Prague I. Konev Voen.-ist. zhur. 7 no. 4: 17-25 Ap '65

In the final stage of the war K. Tolegin Voen.-ist. zhur. 7 no. 4:51-70 Ap '65

Maimovskii, R. A., ed. [Budapest, Vienna, Prague; an historical memoir work] Budapest, Vena, Praga; istoriko-memuarnyi trud. Moskva, Nauka, 1965. 381 p. (Vtoraja Mirovaia voina v issledovaniakh i vospomnaniakh)

## EUROPE, WESTERN—COMMERCE—IRAN

The intermediary role of the New-Dzhulfa merchants in the diplomatic relations between Iran and the countries of Western Europe at the beginning of the 17th century. V. A. Bauritina Krat. soob. Inst. nar. Az. no. 77:20-29 '64

## EUROPE, WESTERN—ECONOMIC INTEGRATION

The United European Commission. M. Panov. Mezhdunar. zhurn. 12 no. 5:151-152 My '65.

## EUROPE, WESTERN—GAS, NATURAL

A "gas Klondyke" and the oil business. R. Andreassian. Nov. vrem. 22 no. 22:21-24 My '65

## EUROPE, WESTERN—INVESTMENTS, AMERICAN

A new aspect of the "dollar empire." A. Safullin. Nov. vrem. 22 no. 20:12-15 My '65.

## EUROPE, WESTERN—JUSTICE, ADMINISTRATION OF

The judiciary against the constitution. R. Vil'danov. Sov. iust. 23 no. 7:29-31 Ap '65.

## EUROPE, WESTERN—PETROLEUM INDUSTRY

A "gas Klondyke" and the oil business. R. Andreassian. Nov. vrem. 22 no. 22:21-24 My '65

## EUROPEAN CHICKEN DIARRHEA—MICROBIOLOGY

Of the virulence of the disease. G. A. Vor. ust. vrem.

## EUROPEAN WAR, 1914-1918

(see also subdivision under Turkey)  
Problems in the study of the history of the First World War A. Sh. Arutunian Izv. AN Arm. SSR Obshchestv. nauki no. 3:10-34 '65

## EUROPEAN WAR, 1914-1918—MEDICAL AND SANITARY AFFAIRS

Medical losses of the Russian army during the first world war D. S. Filipenko Voen.-med. zhur. no. 9: 85-89 '64

Under the stress of insoluble controversies; on the 50th anniversary of the first world war 1914-1918. A. S. Georgievskii. Voen.-med. zhur. no. 8:82-88 '64.

## EUROPIUM—ANALYSES

Fluorescence determination of microamounts of europium. N. S. Polukhov, R. A. Vitkun, L. I. Kononenko Ukr. khim. zhur. 30 no. 6:629-635 '64

## EUROPIUM COMPOUNDS

The EuAl<sub>3</sub> compound and its crystal structure. I. I. Zeluts'kii, P. I. Kiy'kavych Dop. AN URSR no. 5: 597-598 '65

## EUROPIUM COMPOUNDS—SPECTRA

Luminescence of certain fluorinated europium diketonates in polymeric acrylates. Kh. A. Alimtdinov, O. L. Lebedev, A. V. Michurina. Opt. i spektr. 18 no. 3: 532-533 Mr '65

## EURYGASTERS

Microflora and biological activity of grains affected by the shield bug Eurygaster integriceps L. G. Atanas, V. F. Milovskaya Izv. vys. ucheb. zav.; pishch. tekhn. 2:25-26 '65

## EURYGASTERS—EXTERMINATION

Toxicity of some insecticides to the shield bug Eurygaster integriceps N. M. Gamber and others Khim. v sel'. khoz. 3 no. 3:33-34 Mr '65

## EVA PORATING APPLIANCES

Automation of the blow-through of evaporators working with highly mineralized water E. A. Miasnikov, I. A. Geivdov. Teploenergetika 12 no. 4:33-34 Ap '65

Hydrodynamics and heat transfer in vertical tube film evaporators G. P. Golovinski. Teploenergetika 12 no. 4:88-90 Ap '65

Instrument for the automatic regulation of sugar syrup density by means of a type RRP-605 radioisotope density relay. L. N. Kuz'menkov. Sakh. prom. 30 no. 3:25-27 Mr '65.

Pay more attention to the work of the evaporation stations in molasses factories. B. K. Bychkov. Sakh. prom. 30 no. 3:84-86 Mr '65.

## EVA PORATING APPLIANCES—TESTING

Effect of the relative vapor speed on pressure head losses in the boiling pipes I. M. Fedotkin. Izv. vys. ucheb. zav.; pishch. tekhn. no. 2:171-176 '65.

## EVA PORATION

(see subdivision under Georgia)

Diffusion and thermal relaxation on the plane surface of an evaporating liquid. I. U. A. Buevich. Inzh.-fiz. zhur. 8 no. 3:341-348 Mr '65.

## EVENING AND CONTINUATION SCHOOLS

Compulsory education for working youth. A. Darinskii. Nar. obr. no. 5:46-48 My '65

Creativeness is born in a group. Vech. sred. shkola 8 no. 2:6 Mr.-Ap '65.

In search of new ways. V. S. Bayer. Vech. sred. shkola 8 no. 2:7-11 Mr.-Ap '65.

Let's persistently strengthen the connection between subjects in evening schools. I. V. Bernshtein Sred. shkola 12 no. 4:23-26 Ap '65

Problems demanding solutions. V. Trifonov, I. E. P'kin. Prof.-tekh. obr. 22 no. 2:25-28 F '65.

Quantity of knowledge is the main thing. Vech. sred. shkola 8 no. 2:3-5 Mr.-Ap '65.

Schools of ideological and work training I. Vinnik Prof.-tekh. obr. 22 no. 4:26-27 Ap '65.

Study and productive activities of students. E. A. Kiselev. Vech. sred. shkola 8 no. 2:42-44 Mr.-Ap '65.

## EVIDENCE, CRIMINAL

(see also subdivision under Kerch; Ukraine)

Discussion of disputed issues of the theory of evidence in criminal procedure V. Alekseev, V. Bozh'ev. Sots. zakon. 42 no. 5:85-86 My '65.

Do false statements made by the defendant have evidentiary weight? I. Petrukhtin. Sov. iust. 39 no. 7:15-17 Ap '65.

Improve the procedure of preparing the trial record. G. Shafir, I. A. Mazel' Sov. iust. 39 no. 6:14-15 Mr '65.

Presenting evidence in the course of the investigation of a criminal act. A. Zhallins'kii. Rad. pravo 28 no. 3: 93-96 My-Ja '65.

## EVIDENCE, EXPERT

(see also subdivision under Kharkov; Vasil'kov District)

Evaluation of the conclusion of an expert on industrial safety. N. I. Ablovkov. Sov. iust. 28 no. 7:16-18 My '65.

Examination and evaluation of the conclusion of an expert by the trial court under Soviet civil procedure I. U. Zhukov. Sots. zakon. 42 no. 5:70-72 My '65

## EVOLUTION

Darwinism and neo-Thomism. V. I. Garadzha. Nauch. dokl. vys. shkoly. filos. nauki 7 no. 5:68-75 '64.

## EXAMINATIONS BEFORE TRIAL see Preliminary examinations (Criminal procedure)

## EXCAVATING MACHINERY

Adhesion to the ground of skis on walking excavators and waste disposal equipment. N. Z. Garmash, III. L. Beiezhnol. Ognepuopy 30 no. 6:20-31 '65.

Characteristics of the wear of the basic parts of quarry excavators. P. I. Kokh. Stroitel. mash. 8 no. 3: 23-25 Mr '65

Heat mechanical. M. Shalutina. SSB. At. prot. 10 no. 1:10 Ja '65.

Efficient correlation between the height of the top and bottom scooping of rotary excavators. V. P. Akushev, A. E. Rozenplenter, A. T. Cherniavskii. Met. i gorn. inst. prom. no. 2:87-88 Mr.-Ap '65.

The ETU-354 excavator with a bucketless working element. I. L. Lappo, V. A. Rumiantsev, I. Z. Fil'm. Stroitel. mash. 10 no. 4:10-11 Ap '65.

The HY-MAC 500 hydraulic excavator. A. Burdin, V. Pakhmutin. Tekh. v sel'khoz. 25 no. 4:97 Ap '65

Indicator devices for locating the position of the actuating mechanism of a rotary excavator. Z. A. Bagriantseva, I. A. Kravchenko. Gor. zhur. no. 3:58-60 Mr '65.

Prolong the life of excavators. Sh. i. i. dor. mash. 8 no. 3:10-14 Mr '63

Reinforced concrete frame for IM-201 quarry excavators. V. A. Rumiantsev. Stroitel. mash. 8 no. 1:12-13 Ja '63.

Results of investigation of the UEL excavator. I. P. Kovalev, S. N. Nikolaev. Stroitel. mash. 10 no. 2: 14-17 F '65

Rotary bucket excavators and their use in open pit mining. V. P. Akushev, A. E. Rozenplenter, A. T. Cherniavskii. Ugol' Ukr. 9 no. 5:28-30 My '65.

Selective mining of refractory clays and kaolins by rotary excavators. I. N. Berezhnol, V. I. Serushtan. Ognepuopy 30 no. 3:16-24 '65.

## EXCAVATING MACHINERY—COLD WEATHER OPERATION see subdivision under Russia, Northern

## EXCAVATING MACHINERY—DESIGN AND CONSTRUCTION

Abrasion-resistant alloys for the bucket teeth of the EKG-4 excavator. N. A. Vorenova, A. K. Tenliuk, N. S. Nikanorova. Gor. zhur. no. 3:15-48 Mr '65.

## EXCAVATING MACHINERY—ELECTRIC DRIVING

Analysis of the energy balance during slopping of the bucket raising drive of powerful excavators. V. P. Lomakin, D. A. Kaminskii, N. I. Rogdanov. Izv. vys. ucheb. zav.; gor. zhur. 8 no. 2:122-127 '65

## EXCAVATING MACHINERY—HYDRAULIC DRIVE

Universal stand for testing hydraulic systems of excavators. A. T. Popov. Stroitel. mash. 10 no. 4:131 Ap '65.

## EXCAVATING MACHINERY—PARTS

Roller feeder of the working component of a rotary bucket excavator. E. F. Kolosnikov, D. I. Tolanov. Stroitel. mash. 8 no. 1:13-15 Ja '63.

## EXCAVATING MACHINERY—SAFETY MEASURES

Transducer for preventing the breakdown of transmission units. V. A. Rumiantsev. Stroitel. mash. 10 no. 4: 20-21 Ap '65.

## EXCAVATING MACHINERY—TESTING

Determining impact loads acting on the dragline bucket. I. U. L. Kartvelishvili and others. Stroitel. mash. 10 no. 4:15-17 Ap '65.

## EXCAVATIONS (ARCHAEOLOGY) see subdivision under Cimmerian Bosphorus (Kingdom)

## EXCITATION (PHYSIOLOGY)

Analysis of the excitation of conditioned response under the effect of a very weak stimulant. A. S. Denisova, F. P. Malorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3: 36-38 '66.

Analysis of the higher nervous activity of an animal using the methodology of situation conditioned responses. V. I. Syrenskii. Zhur. vys. nerv. datat. 15 no. 2:351-354 Mr.-Ap '65.

Case of a fatal outcome caused by the effect of a strong acoustic stimulant on a dog. L. P. Rudenko. Zhur. vys. nerv. datat. 15 no. 1:105-106 Ja-F '65.

Changes in the primary response of the auditory zone of the cerebral cortex under the effect of sound of a long-interval rhythm. I. U. Ch. Krutina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:77-83 '65.

## EXCITATION (PHYSIOLOGY) (Continued)

- Characteristics of the generalizing action of the reverberating agent in children. I. I. Isaeva. Nauch. soob. Inst. fiziol. AN SSSR no. 3:41-43 '65.
- Characteristics of the mechanism of ascending activation of the cerebral cortex in mechanical stimulation of the stomach. K. V. Sudakov, L. S. Mnasin. Biol. eksp. biol. 1 read 59 no. 4:9-11 Ap '65.
- Complex motor reactions to a delayed stimulus under conditions of "voluntary" activity. I. A. Alekseeva, Zhur. vys. nerv. deiat. 15 no. 2:345-350 Mr-Apr '65.
- Content of salivary acid in lacrimal and salivary secretions in dogs during conditioned and unconditioned stimulations. P. S. Kupalov, I. A. Lapina, Zhur. vys. nerv. deiat. 15 no. 2:311-317 Mr-Apr '65.
- Correlation between periods of activation and depression in responses of cortical neurons to impulse electric and photic stimulations. B. G. Tolkunov. Fiziol. zhur. 51 no. 3:265-262 Mi '65.
- Course of the secretory alimentary reflex in stimulation of the lateral parts of the hypothalamus. N. A. Kovtchenko, Zhur. vys. nerv. deiat. 15 no. 2:325-331 Mr-Apr '65.
- Effect of chronic stimulation of the afferent nerves of the mammary gland on the synthesis of milk proteins in goats. A. G. Taranenko. Fiziol. zhur. 51 no. 3:350-356 Mr '65.
- Effect of stimulation of the cephalic end of the cervical sympathetic nerve on the content of adrenalin-like substances in the blood flowing to and from the head. A. I. Il'ina, S. N. Golovacheva. Fiziol. zhur. 51 no. 3:330-335 Mr '65.
- Formation of experimental neurosis in dogs resulting from simultaneous stimulation of the subcortex and the mechanoreceptors of the stomach. N. F. Suvorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3:141-146 '65.
- Materials on the characteristics of alimentary excitation (appetite) in dogs. I. I. Isaeva. Nauch. soob. Inst. fiziol. AN SSSR no. 3:43-47 '65.
- Rate of the formation of a conditioned reflex depending on the intensity of the conditioned and nonconditioned stimulants in honeybees. I. A. Nikitina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:123-126 '65.
- Reactions of the heart to its stimulations in the refractivity period. A. N. Medvedevskii. Fiziol. zhur. 51 no. 3:336-340 Mr '65.
- Results of using aminazine in the effect of pathological factors on the higher nervous activity. V. K. Bolondinskii. Nauch. soob. Inst. fiziol. AN SSSR no. 3:21-25 '65.
- Significance of the functional and sequential alteration of the stereotype in children of the pre-school age. E. N. Degtiar'. Nauch. soob. Inst. fiziol. AN SSSR no. 3:33-35 '65.
- Successive inhibition following differentiation in dogs with various types of the nervous system. E. F. Melikhova. Nauch. soob. Inst. fiziol. AN SSSR no. 3:110-119 '65.

## EXCITON THEORY

Agranovich, V. M., and V. L. Ginzburg. [Crystal optics with allowance for spatial dispersion and exciton theory] Kristallooptika s uchetom prostranstvennoi dispersii i teorii eksitonov. Moskva, Nauka, 1965. 374 p.

Characteristics of the reflection spectrum of the CdS crystal in the region of exciton bands. M. S. Brodin, M. I. Strashnyukova. Ukr. fiz. zhur. 10 no. 4:410-415 Ap '65.

## EXECUTIONS (LAW)

- (see also subdivision under Slavutov, Khmel'nitskiy Province)
- A court decision must be implemented accurately and in time. Sov. iust. 29 no. 10:3-5 My '65.
- Execution of court decisions related to litigations over children. S. Ivanova. Sov. iust. 29 no. 6:17-19 Mr '65.

## EXERCISE THERAPY

Burago, L. I. [Standard exercises in therapeutic and prophylactic callisthenics for the middle aged and the elderly] Tipovye uprazhneniya lechenno-profilakticheskoi gimnastiki dlia lits srednego i pozhnogo vozrasta. Izd. 2, dop. Moskva, Meditsina, 1965. 22 p. illus. chart (insert) (DNLM)

Effect of exercise therapy on the function of external respiration following lung surgery. A. A. Khristalev. Trudy TSU 66:168-175 '64.

Exercise therapy for hypertension patients in a sanatorium. T. I. Batina. Voen.-med. zhur. no. 7:74-75 '64.

Ivanov, S. M. [Exercise therapy in bronchial asthma in children] Lecheniye fizkul'tura pri bronkhial'noi astme u detei. Moskva, Meditsina, 1965. 102 p. (Biblioteka prakticheskogo vracha) (DNLM)

## EXHAUST SYSTEMS

Automation of the exhaust section of a sintering plant. M. M. Koltrovskii, D. D. Kopelev, M. A. Brazhnikov. Met. i gornorud. prom. no. 2:72-73 Mr-Apr '65.

## EXISTENTIALISM

Failure of the existentialist conception of personality. M. Mitin. Kommunist 42 no. 8:101-111 My '65.

## EXOPHTHALMOS

Exophthalmos in diencephalitis. V. A. Arkhangel'skii. Trudy 1-go MMI 32:180-200 '64.

## EXPERT EVIDENCE see Evidence, Expert

## EXPLOSIVES

- Cartridge in a protective casing for use in the caving of roofs in stopes of mines subject to gas and dust. V. I. Chikunov. Nauch. soob. VostNI no. 1:74-80 '61.
- Mechanism of penetration of combustion products into the pores of an explosive charge. V. K. Bobolev, A. D. Margolin, S. V. Chuiko. Dokl. AN SSSR 162 no. 2:388-391 My '65.

## EXPLOSIVES—TESTING

- Charge of efficient design composed of loose explosive materials. I. T. Koloschenko, I. S. Meis. Ger. zhur. no. 4:70-71 Ap '65.
- Testing "zornogranulit" 80/20b in underground conditions. A. A. Mokeev, N. I. Diadechkin, I. I. Chirkov. Ger. zhur. no. 5:34-35 My '65.

## EXTRACTION (CHEMISTRY)

- Determining the limits of the water extraction of fusel oil from alcohol-fusel oil-water solutions. V. F. Sukhodol, P. M. Mal'tsev. Izv. vya. ucheb. zav., pishch. tekhn. no. 2:111-116 '65.
- Extraction of a chloride complex of cadmium by the phase of liquid anion exchangers. A. A. Morozov, N. A. Kisel'. Ukr. khim. zhur. 31 no. 4:411-416 '65.
- Extraction of ethylenediaminetetraacetate (as exemplified by iron and thorium complexes). I. A. Zolotov, O. M. Petrukhin, I. P. Alimarin. Zhur. anal. khim. 20 no. 3:347-350 '65.
- Extraction of heteropolymolybdates. Part 2: Composition of phosphoro- and silicomolybdate complexes in their diluted solutions. I. V. Shkaravskii. Ukr. khim. zhur. 31 no. 1:84-100 '65.
- Extraction of thiocyanate and halide complexes of palladium and its use for separating palladium from silver. A. M. Golub, P. M. Pomeoian. Ukr. khim. zhur. 31 no. 1:104-112 '65.
- Extraction of thiocyanate complexes of lanthanum, cerium, praseodymium, and neodymium. A. M. Golub, M. I. Glevinskii, E. F. Lutsenko. Ukr. khim. zhur. 31 no. 1:12-17 '65.
- Extraction of whole flowers, petals and calyxes of the red Crimea rose. A. F. Solakov, N. A. Turysheva. Izv. vya. ucheb. zav., pishch. tekhn. no. 1:34-38 '65.
- Mechanism of the elementary act of extraction of inner-complex compounds. I. A. Zolotov. Dokl. AN SSSR 162 no. 3:577-580 My '65.
- Using N-benzoylphenylhydroxylamine in the amperometric titration of cerium, thorium, and lanthanum. V. D. Vasilenko, G. S. Mazharovskaya. Ukr. khim. zhur. 31 no. 1:101-104 '65.

## EXTRAUTERINE PREGNANCY see Pregnancy, Extrauterine

## EXTREMITIES (ANATOMY)

Critical periods of development and the determination processes of extremity primordia in the embryos of mice according to experimental X-ray irradiation data. L. G. Neverova. Arkh. anat. i gist. i embri. 46 no. 4: 63-68 Ap '64.

## EXTREMITIES (ANATOMY)—CANCER

Methodology of regional chemotherapy of malignant neoplasms of the extremities by perfusion. K. V. Daniel-Bek and others. Vest. khir. 93 no. 12:49-52 D '64.

## EXTREMITIES (ANATOMY)—DISEASES

Akulova, R. F. [Chronic disorders of blood circulation and nutrition of the extremities; clinical aspects and treatment] Khronicheskie narusheniya krovoobrashcheniia i trofiki konchnostei; klinika i lechenie. Moskva, Meditsina, 1965. 304 p. (DNLM)

Basic modern methods of the treatment of thrombo-obliterating arterial diseases of the extremities. V. T. Poradin. Vest. khir. 94 no. 2:28-32 P '65.

Diagnosis of the disease caused by the ligation of a major extremity artery and its treatment. N. I. Krakovskii, R. M. Grigorian. Voen.-med. zhur. no. 8. 10-22 '64.

## EXTREMITIES (ANATOMY)—SURGERY

Some physiological indications in surgical elongation of the extremities. T. I. Cherkasova. Ortop., travm. i protez. 26 no. 1:60-64 Ja '65.

## EXTREMITIES (ANATOMY)—TRANSPLANTATION

Changes in the basal metabolism processes in an extremity during its experimental replantation. K. I. Astashevskaya. Khirurgiia 41 no. 4:103-109 Ap '65.

## EXTRUSION (METALS)

Design and construction of cylindrical matrices of dies for cold extrusion with hard alloy inserts. V. A. Mishulin. Kuz.-shlam. proizv. 7 no. 1:5-9 Ja '65.

Determining the top of specific force in the extrusion of metals. I. A. Alushin. Kuz.-shlam. proizv. 7 no. 1:10-13 Ja '65.

Mechanical properties of alloys following cold extrusion. I. U. Filimonov, G. P. Mikhailenko, G. V. Kuznetsov. Kuz.-shlam. proizv. 7 no. 3:7-9 Mi '65.

Steel extrusion by the method of liquid metal drop forging. P. N. Bidulin. Mashinostroitel' no. 4:21-25 Ap '65.

Technological variants of drop forging on crank presses using direct extrusion. N. L. Sokolov, A. M. Smurov. Kuz.-shlam. proizv. 7 no. 1:1-5 Ja '65.

## EYE

- Approximate determination of the contrast sensitivity of the eye of fishes by their behavior. V. N. Mel'nikov. Nauch. dokl. vya. shkoly. biol. nauk. no. 2:88-90 '65.
- Morphological substantiation of functional changes in the eye under the influence of diathermy and ultrahigh-frequency currents. E. M. Grinberg. Trudy 1-go MMI 32:132-148 '64.
- Physiological characteristics of the eyeball-heart reflex in gradual compression of the eyes with increasing force. I. P. Ponomarev. Zhur. nevrol. i psikh. 66 no. 5:703-710 '65.

## EYE—ACCOMMODATION AND REFRACTION

- Indications for the use of drug-induced extrusion of the accommodation in the practice of military medical expertise. L. M. Rej. Voen.-med. zhur. no. 8:57-59 '64.
- Visual acuity and refraction in children of preschool age. K. V. Doronidontova, E. N. Vilihanskii. Trudy 1-go MMI 32:28-37 '64.

## EYE—DISEASES AND DEFECTS

- Active and passive use of an eye disease clinic. K. M. Briantseva, E. N. Vilihanskii. Trudy 1-go MMI 32:66-84 '64.
- Clinical importance of electrophoretic studies of protein fractions of the blood in eye diseases. G. A. Sokolovskii. Trudy 1-go MMI 32:95-96 '64.

Morphological changes and some histochemical modifications in the eyes of monkeys with radiation sickness. V. M. Abdullayev. Arkh. pat. 27 no. 4:45-52 '65.

## EYE—FOREIGN BODIES

Alekseeva, V. I. [Chalcosis of the eye] Chal'koz glaza. Moskva, Meditsina, 1965. 113 p. (DNLM)

## EYE—INNERVATION

- Effect of an interruption of the central pathways of the sensory innervation of the eye on the secretory activity of the ciliary body. N. V. Bekasov and others. Fiziol. zhur. 51 no. 3:325-329 Mr '65.

## EYE—MOVEMENTS

Efferent cortical representation of the muscular apparatus proper of the visual analyzer in cats. N. V. Shipova. Fiziol. zhur. 51 no. 3:292-299 Mr '65.

Evaluation of the position of light stimulus and the movements of the eye. L. I. Leushina. Biofizika 10 no. 1:130-136 '65.

Some data on the tracking system of an eye. A. I. Lauringson, L. P. Shchedrovitskii. Biofizika 10 no. 1:137-140 '65.

## EYE—TENSION see Intraocular pressure

## EYE—TUBERCULOSIS

Changes in the visual organ in tuberculosis. M. S. Dubrovina. Trudy 1-go MMI 32:164-179 '64.

## EYE—TUMORS

Intraocular tumor considered for a long time a congenital tubercle. G. S. Kunicheva. Trudy 1-go MMI 32:218-222 '64.

## EYE—WOUNDS AND INJURIES

- Prophylaxis for injuries and diseases of the eyes of workers in the "Kraasyl Proteiarii" machine-tool plant. G. K. Gayerdovskaya. Trudy 1-go MMI 32:51-65 '64.
- Prophylaxis for injuries and diseases of the eyes of workers in the chemical and metalworking industries. M. K. Briantseva, G. K. Gayerdovskaya. Trudy 1-go MMI 32:38-50 '64.

## EYE, INSTRUMENTS AND APPARATUS FOR

- Apparatus to determine the nearest point of clear vision. R. S. Zil'berman. Trudy 1-go MMI 32:264-263 '64.
- Sectional lighting device for the table used in determining distance vision. R. S. Zil'berman. Trudy 1-go MMI 32:264-266 '64.

## EYELASHES—ABNORMALITIES AND DEFORMITIES

True congenital distichia. V. N. Voelkova. Trudy 1-go MMI 32:247-251 '64.

## EYELIDS—PARASITES

Larvae of a warble fly under the skin of the eyelids in children. TS TS Sibenova. Trudy 1-go MMI 32:237-240 '64.



## FEEDWATER PURIFICATION

Shapov, M. F. [Water treatment for low-pressure boilers] Vodorodgotovka dlia kotlov nizkogo davleniia. Moskva, Stroizdat, 1965. 118 p.

## FELDSPAR

(see also subdivision under Amur Province, Guvovka region, Maritime Territory, Karelia, Maritime Territory)

Albitization of feldspars in the argillization of rocks. G. T. Volostnykh. Zap. Vses. min. ob-va 94 no. 2:236-239 '65

Paragenesis of nepheline with alkali feldspar as a possible index of the thermodynamic conditions of mineral equilibrium. L. L. Perchuk. Dokl. AN SSSR 161 no. 4: 832-835 Ap '65.

## FELDSPAR—ELASTIC PROPERTIES

Elastic properties of potassium-sodium feldspars. T. V. Ryzhova, K. S. Aleksandrov. Izv. AN SSSR Fiz. zem. no. 1:98-102 '65

## FEMUR—CANCER

Two cases of amputation interilio-umbdominalis. N. A. Grigor'ian, T. U. Akimov. Khirurgiia 11 no. 4:138-139 Ap '65

## FEMUR—FRACTURE

Analysis of lethal outcomes in fractures of the upper femoral epiphysis, based on data of the Sklifosovskii Institute of First Aid. T. K. Vichitomova-Osypenkova. Ortop., travm i protez. 26 no. 2:56-58 F '65

Aseptic necrosis of the caput femoris in united fracture of the femoral neck. V. M. Dem'ianov. Ortop., travm i protez. 26 no. 1:78 Ja '65.

Fatal complications following fractures of the femoral neck. A. Z. Amelin. Vest khir. 92 no. 6:50-52 Je '64.

Metaphyseal fractures of the proximal end of the femur at birth. V. I. Vilenkii. Ortop., travm i protez. 26 no. 1:33-39 Ja '65

## FEMUR—NECROSIS

Aseptic necrosis of the caput femoris in united fracture of the femoral neck. V. M. Dem'ianov. Ortop., travm i protez. 26 no. 1:78 Ja '65.

## FERGANA PROVINCE—MOLASSE

Facies characteristics of the sediments of the Cenozoic continental molasses in the Fergana anticline. A. S. Tolentov. Nauch. trudy TashGU no. 240 Geol. nauki no. 21:185-191 '64.

## FERGANA PROVINCE—PALEOGEOGRAPHY

Paleogeography of southern Fergana in the Early Devonian. M. B. Orlovskii, B. V. Polnar'kov. Sov. geol. 8 no. 3:110-113 '65.

## FERGANA PROVINCE—PETROLOGY

Quaternary sediments in the eastern part of central Fergana. A. Nuzmatov, M. S. Sidikov. Uzb. geol. zhur. 8 no. 4:38-44 '64.

## FERGANA VALLEY—COTTON—IRRIGATION

Studying the irrigation system for cotton growing in newly reclaimed virgin soils of the central Fergana Valley. M. Saliev. Shor. nauch. iab. asp. Soluz. NIKHI no. 5:303-311 '64.

## FERGANA VALLEY—GEOLOGY, STRUCTURAL

New data on the structure of the basement in the Fergana intermontane depression. B. B. Tal' Virekii, L. N. Kotliarskii, I. G. Kremnev. Uzb. geol. zhur. 8 no. 5: 46-52 '64.

## FERGANA VALLEY—HEDGEHOGS

Morphologic and ecologic characteristics of the blood of hedgehogs of the Fergana Valley. K. N. Kolos. Uzb. biol. zhur. 9 no. 2:39-41 '65.

## FERGANA VALLEY—MOLASSE

Photometric method for studying the stratigraphy of Cenozoic molasses in the Fergana Depression. N. I. Gridnev. Uzb. geol. zhur. 8 no. 5:24-28 '64.

## FERGANA VALLEY—MOLASSE—ANALYSIS

Some problems of the division and correlation of Cenozoic molasses in the south-eastern part of Fergana according to spectral analysis data. I. D. Kapustianskii, A. S. Telenkov. Nauch. trudy TashGU no. 219. Geol. nauki no. 21:199-204 '64.

## FERGANA VALLEY—PHOTOMETRY

Photometric method for studying the stratigraphy of Cenozoic molasses in the Fergana Depression. N. I. Gridnev. Uzb. geol. zhur. 8 no. 5:24-28 '64.

## FERGANA VALLEY—SEDIMENTATION AND DEPOSITION

Cyclotility of sedimentation in the Fergana Depression in the Cretaceous. A. V. Sochava. Dokl. AN SSSR 161 no. 4:944-946 Ap '65.

## FERMENTATION

Change in the fermentation activity of the abomasal juice in calves during various age periods. P. A. Neliupa. Trudy mol. uch. UASHN no. 9:58-62 '63

Disinfection of the mixture of mold fungi cultures used in mash saccharification. D. M. Makeev. Ferm. i spirtn. prom. 31 no. 4:12-14 '65.

Fermentative hydrolysis of starch in continuous alcohol fermentation. V. L. Iatovenko and others. Ferm. i spirtn. prom. 31 no. 1:5-10 '65.

Interrelationship between lactic acid bacteria and yeasts in the process of alcoholic fermentation. M. L. Andrusenko, A. I. Runov. Uzb. biol. zhur. 9 no. 2:29-32 '65

FERNS, FOSSIL see subdivision under Novaya Sibir' Island

FERRATES see Ferrites (Magnetic materials)

## FERRITES (MAGNETIC MATERIALS)

Anomalies of the coercive force and remanent magnetism in substituted rare earth ferrites-garnets. I. S. Libubatin. Fiz. tver. tela 7 no. 5:1387-1401 My '65

Calculation of the surface effect phenomena in solid ferromagnetic cylinders. E. M. Ivanov, V. L. Pukhova. Izv. vys. ucheb. zav., elektromekh. 8 no. 3:261-269 '65.

Causes for the high-speed response of ferrites with a rectangular hysteresis characteristics. D. E. Bondarev. Porosh. met. 5 no. 5:93-102 My '65

Effect of the addition of various oxides on the electric and magnetic properties of copper-manganese ferrites. A. I. Andrievskii, N. N. Karalin, I. G. Iuskevich. Porosh. met. 5 no. 4:44-49 Ap '65

Ferrite capacitance-type transducer-converter. A. A. Bokinskaya, V. V. Kumbi. Izv. vys. ucheb. zav., radio-tekhn. 8 no. 1:105-108 Ja '65

Obtaining ferrite powders by the thermal decomposition of sulfates. A. E. Grodshstein, E. M. Kriger, S. M. Lislavay. Porosh. met. 5 no. 5:4-8 My '65.

Study of the kinetics and mechanism of the ferrite formation during the aging of metal hydroxide systems. V. P. Chalyi, E. N. Lukachina. Izv. AN SSSR. Neorg. mat. 1 no. 1:131-135 Ja '65.

Surface effect in cylindrical ferromagnetic bodies. E. M. Ivanov, V. L. Pukhova. Izv. vys. ucheb. zav., elektromekh. 7 no. 7:781-796 '64.

Technology of the manufacture of scandium-containing ferrites. B. S. Andreev, D. E. Bondarev. Porosh. met. 5 no. 4:50-52 Ap '65

Temperature and frequency dependences of the ferromagnetic resonance line width in ferrite single crystals near the Curie point. B. M. Lebed', K. V. Sheviliagin. Fiz. tver. tela 7 no. 5:1519-1522 My '65.

Temperature dependence of the magnetization of ferrites at low temperatures. V. E. Rode, R. Gernman, I. V. Grishina. Fiz. tver. tela 7 no. 5:1393-1396 My '65.

Temperature dependence of the parameters of ferromagnetic resonance in ferrites with induced uniaxial magnetic anisotropy. N. Z. Mirzayev, V. A. Semkina. Fiz. tver. tela 7 no. 5:1577-1579 My '65.

Two-dimensional problem of radiation in a wave guide filled with gyrotropic ferrite. E. D. Gazizade, O. S. Mergellan. Dokl. AN Arm. SSR 40 no. 2:89-92 '65

## FERRITES (MAGNETIC MATERIALS)—THERMAL PROPERTIES

Some characteristics of the heat resistance of ferrites. I. A. Bekker. Fiz. tver. tela 7 no. 5:1545-1547 My '65.

## FERRUCENE

Diferrocenylamines. A. N. Nesmelanov, V. A. Sazonova, V. I. Romanenko. Dokl. AN SSSR 161 no. 5:1085-1088 Ap '65.

Protolysis of mercury derivatives of ferrocene. A. N. Nesmelanov and others. Izv. AN SSSR. Ser. khim. no. 3:880 '65.

Reaction products of phenylferrocene cyanation of phenyl ferrocene. A. N. Nesmelanov, E. G. Porevalova, L. P. Iur'eva. Izv. AN SSSR. Ser. khim. no. 5:807-809 '65.

Stability of some ferrocenium salts. A. N. Nesmelanov and others. Izv. AN SSSR. Ser. khim. no. 4:731-733 '65.

Substitution of a proton for a halogen in ferrocene halides. A. N. Nesmelanov and others. Dokl. AN SSSR 161 no. 5:1340-1351 Ap '65.

## FERRUCENE—SPECTRA

Redox potentials and absorption spectra in ultraviolet and visible regions in some homoannular disubstituted ferrocene derivatives. A. N. Nesmelanov and others. Izv. AN SSSR. Ser. khim. no. 5:809-811 '65.

## FERRUCYANIDES

Coulometric titration of iridium (IV) with electrogenerated iron (II) ferrocyanide. N. I. Stenina, P. K. Agasjan. Zhur. anal. khim. 20 no. 3:351-354 '65.

## FERRULECTRIC CRYSTALS

New ferroelectric substances with the structure of perovskite and pyrochlore. A. S. Viskov, I. U. N. Venev-tsev, G. S. Zhdanov. Dokl. AN SSSR 162 no. 2:323-325 My '65.

## FERROMAGNETIC RESONANCE

Coupled magnetoelastic waves in helicoidal magnetic structures. M. A. Savchenko, V. V. Gann. Fiz. tver. tela 7 no. 5:1523-1528 My '65.

Energy spectra and resonance frequencies of biaxial antiferromagnets. E. V. Zorochentsev, V. O. Popov. Ukr. fiz. zhur. 10 no. 4:368-381 Ap '65.

Local study of thin ferromagnetic films by the ferromagnetic resonance method. R. V. Teleshin, V. I. Kozlov. Izv. AN SSSR. Ser. fiz. 28 no. 4:558-570 Ap '65

Temperature dependence of the parameters of ferromagnetic resonance in ferrites with induced uniaxial magnetic anisotropy. N. Z. Mirzayev, V. A. Semkina. Fiz. tver. tela 7 no. 5:1577-1579 My '65.

## FERROMAGNETIC RESONANCE—SPECTRA

Temperature and frequency dependences of the ferromagnetic resonance line width in ferrite single crystals near the Curie point. B. M. Lebed', K. V. Sheviliagin. Fiz. tver. tela 7 no. 5:1519-1522 My '65

## FERROMAGNETISM

Coupled oscillations of electronic and magnetic subsystems in ferromagnetic materials. Part I: Magneto-uniaxial single-domain ferrite dielectric. L. G. Onopienko. Fiz. met. i metalloved. 19 no. 4:481-488 Ap '65

Effect of interstitial atoms on the coercive strength of ferromagnetic materials. V. V. Poloninuk. Shor. nauch. trudy metallofiz. AN URSS no. 20:80-84 '64

Ordering of ferromagnetic alloys with an FeGaI-type lattice. D. R. Rizdyanetski, Shor. nauch. trudy metallofiz. AN URSS no. 10:102-115 '64

Quantum theory of anisotropic single-domain ferromagnets. V. Rybakas. Fiz. tver. tela 7 no. 5:1436-1446 My '65.

Temperature dependence of the magnetization of a ferromagnet in a model of collective electrons. I. A. Shi [Yang Shih]. Dokl. AN Arm. SSR 40 no. 2:93-100 '65

## FERTILIZATION (BIOLOGY)

Extremely fast stimulation of the increase in enzymatic activity in the fertilization process. A. A. Neifakh, G. V. Dantsova. Dokl. AN SSSR 162 no. 3:698-701 My '65.

## FERTILIZATION OF PLANTS

Aftereffect of gibberellin on fruiting of the grapevine. M. Kh. Chiklakhian, M. M. Sarkisova. Izv. AN Arm. SSR. Biol. nauki 18 no. 2:3-10 F '65.

Effect of the state of the pollen of various ages on the pea progeny formation under different soil and climate conditions. R. A. Oganesian. Izv. AN Arm. SSR. Biol. nauki 18 no. 2:31-35 F '65.

Embryological study of the fertilization process of pepper following different modes of pollination. E. M. Mutafian. Izv. AN Arm. SSR. Biol. nauki 18 no. 1:55-61 Ja '65.

Selectivity of the pollination of corn in relation to teosinte. T. R. Rashidov. Uzb. biol. zhur. 9 no. 2:78-81 '65.

Some phenomena in the biology of the fertilization of tomatoes and their significance for genetic studies on this subject. I. U. A. Korikis. Biol. MOIP. Otd. biol. 70 no. 2:126-131 Mr-Ap '65

Study of the nature of the disturbance of fertilization in self-pollinated diploid cucumbers of the "Telegraf" variety. G. M. Rasizade. Dokl. AN Azerb. SSR 21 no. 2:67-70 '65.

FERTILIZER INDUSTRY—AUDITING AND INSPECTION see subdivision under Rustavi (Georgia)

## FERTILIZER SPREADERS

Combined spreader of mineral fertilizers and lime. V. Afanas'ev. Tekh. v sel'khoz. 25 no. 1:84-85 Ap '65

[Mechanization of the placement of mineral fertilizers] Mekhanizatsiia vneseniia mineral'nykh udobrenii. Moskva, Kolos, 1965. 173 p. (DNL)

Mechanization of the work of the placement of mineral fertilizers. A. Kovalev, V. Kalinchenko. Tekh. v sel'khoz. 25 no. 4:14-16 Ap '65.

Selecting optimal parameters for farm manure spreaders. I. A. Ozol. Trakt. i sel'khoz. mash. no. 4:20-22 Ap '65.

Studying the distribution parts of machines for the placement of liquid fertilizers in soil. V. M. Komerov. Trakt. i sel'khoz. mash. no. 4:31-32 Ap '65.

## FERTILIZERS AND N

(see also subdivision)

Switzerland, USSR

Dynamics of nitrates

soils in the Kuban.

Agrokhimika no. 1:4

Effect of a continuous

in orchards M. D. 1

51-55 Ap '65.

Effect of fertilizers on

flowers and the oil of

Maslozhir. prom. 3

Effect of the environment

plants. Z. i. Zhurbit

Mr '65.

Effect of the various

yield of sugar beets

tion conditions. S. A

khimika no. 3:35-42

## FERTILIZERS AND MANURES (Continued)

Efficient use of fertilizers as a means for the intensification of agriculture: results of studies on the systems of the use of fertilizers in field crop rotation on the "Dubki" Experimental and Training Farm. I. V. Gullik and others. *Izv. TSKHA* no. 5:74-82 '64.

Kanivets, I. I. [Soil conditions and the growth of perennial orchard plants, pear, prune, apricot, sweet cherry, sour cherry, walnut, and grapevine] *Puchvennye usloviya i rost mnogoletnikh sadovykh nasazhdeniy, grusha, sliva, agrikos, chereshtsa, vishnia, grechki orkhi i vinogradnaya loza*. Kishinev, Kartia moldovenaske, 1960, 542 p. (DNAL)

Katalymov, M. V. [Trace elements and trace element fertilizers] *Mikroelementy i mikroudobreniya*. Moskva, Khimia, 1965, 330 p. (DNAL)

Men'shikova, Z. I. [Technical and economic indices in the potash industry and prospects for the expansion of production and consumption of potash fertilizers during the period ending in 1970] *Tekhniko-ekonomicheskie pokazateli v kalitnoi promyshlennosti i perspektivy rosta proizvodstva i potrebleniya kalitnykh udobreniy na period do 1970 goda*. Novosibirsk, Red. izd. otdel Sibirskogo otd-niya AN SSSR, 1965, 8 p.

Production of mixed fertilizers abroad. T. P. Unaniant. *Agrokhiimia* no. 2:146-155 F '65.

Red phosphorus as fertilizer. L. L. Balashev. *Agrokhiimia* no. 2:169-170 F '65.

Role of humic acids in the increase of the effectiveness of compound fertilizers. V. G. Aulova. *Agrokhiimia* no. 2:110-114 F '65.

Role of organic and mineral fertilizers in the mobilization of nitrogen and phosphorus of leached Chernozems under intensive cultivation. A. K. Leont'ev. *Agrokhiimia* no. 3:28-34 Mr '65.

[Soils of the Kuznetsk Basin, a map as the face of a field, laboratory of fertility, vitamins of the earth, protectors of crops, enrichment of feed] *Pochvy Kuzbassa, karta—lits polei, laboratoriya plodorodiya, vitaminy zemli, zaschitniki posevov, obogashchenie korma*. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1964, 92 p. (Khimia - Khuch k izobliu) (DNAL)

## FERTILIZERS AND MANURES—ABSTRACTS

[Soil science, Fertilizers, Reclamation] *Ref. zhur. Pochv. udobr. mel.* nos. 10-11 My-Je '65.

## FERTILIZERS AND MANURES—CONGRESSES

Fifth International Congress on Fertilizers. I. G. Vazhenin and others. *Agrokhiimia* no. 1:136-142 Ja '65.

Fourth All-Union Scientific Conference of the Departments of the Technology of Inorganic Substances, Scientific Research Institutes, and Industrial Enterprises Manufacturing Mineral Fertilizers. *Uzb. khim. zhur.* 8 no. 5:76-77 '64.

## FERTILIZERS AND MANURES—HANDLING

(see also subdivision under Zernograd District)

[Mechanization of the placement of mineral fertilizers] *Mekhanizatsiya vneseniya mineral'nykh udobreniy*. Moskva, Kolos, 1965, 173 p. (DNAL)

Results of testing machines for handling mineral fertilizers. A. I. Bulanov. *Trakt. i sel'khoz. mash.* no. 4:17-19 Ap '65.

Wood scrapers for a conveyor are cheaper and more reliable. L. E. Gipshev. *Tekh. v sel'khoz.* 25 no. 4, 92 Ap '65.

## FERTILIZERS AND MANURES—RESEARCH

Brief summaries of the study of the effectiveness of organic-mineral fertilizers in the Geographical Network of Experiments with Fertilizers. A. K. Selavri. *Agrokhiimia*, no. 4:3-19 Ap '65.

## FERTILIZERS AND MANURES—TRANSPORTATION

Green light to the shipping of chemical cargoes. I. Denisov. *Rech. transp.* 24 no. 3:14-16 '65.

## FESTIVALS

Russia (1923-). U.S.S.R., Ministerstvo kul'tury. *Direktsiya khudozhestvennykh festivali. [Festivals of the arts] Festivali iskusstv*. Moskva, 1965, 1 v. (chiefly illus.)

## FETAL MEMBRANES

Submicroscopic changes in the chorionicallantoic membrane of chicken embryo during the formation of an artificial air pocket. E. I. Skalskiy. *Vop. vet. virus.* 1:40-54 '64.

## FETUS

Characteristics of the development of the ABO isosero-logical system in human fetuses. M. A. Bronnikova and others. *Sud.-med. ekspert.* 8 no. 1:21-25 Ja-Mr '65.

Content of nucleic acids and mucopolysaccharides in the placenta in isospecific incompatibility of maternal and fetal blood, a histochemical study. A. F. Iakovtsova. *Arkhi. pat.* 27 no. 5:36-42 '65.

Experimental study of transplacental transmission of tetanus antitoxin. M. N. Ienta, E. K. Lenta, I. A. Mrav'ian. *Zhur. mikrobiol., epid. i immun.* 41 no. 11:36-39 N '61.

## FETUS—DISEASES

Effect of medicinal substances on the fetus. V. I. Bodina. *Zhurn. Akush. i gin.* 40 no. 5:22-28 S-O '61.

## FETUS, DEATH OF

Role of allantois injury in the pathogenesis of antenatal death and some embryopathies in rats treated with myelosan. Critical period in the allantois development in rats. V. A. Aleksandrov. *Dokl. AN SSSR* 162 no. 1:232-235 My '65.

## FETUS, EFFECT OF RADIATION ON

Critical periods of development and the determination processes of extremity primordia in the embryos of mice according to experimental X-ray irradiation data. L. G. Neverova. *Arkhi. anat. i gist. embri.* 46 no. 4:63-68 Ap '64.

Effect of irradiation with small doses of Co<sup>60</sup> in parental species on the higher nervous activity of rats in the first generation. M. S. Alekseeva, V. K. Fedorov. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:1-7 '65.

FEUDALISM see subdivision under Korea

## FEVER

Analysis of the changes in the excitability of the thermoregulating center in the process of a developing fever reaction. E. M. Belavskiy. *Pat. fiziol. i eksp. terap.* 9 no. 2:30-32 Mr-Apr '65.

## FEYDER, JACQUES, 1886-1948

Bozhovitch, V. I. [Works of Jacques Feyder] *Tvoichestvo Zhaka Feidera*. Moskva, Nauka, 1965, 121 p.

FIBER GLASS REINFORCED PLASTICS see Glass reinforced plastics

## FIBERBOARD

(see also subdivision under Czechoslovakia)

New method of attaching fiberboard slabs. E. Neviadomskiy. *Sel. stroit.* 19 no. 1:23 Ja '65.

Reducing the loss of fiber in the manufacture of fiberboards. A. L. Ioffe, G. A. Dmitrieva. *Der. prom.* 14 no. 4:26 Ap '65.

## FIBERBOARD—STANDARDS

Shortcomings of State Standard 4508-60 for fiberboards. V. V. Vorob'ev. *Der. prom.* 14 no. 4:8-9 Ap '65.

## FIBRIN

Nonsuture method of salpingo-salpingoanastomosis using a fibrin tube. K. B. Akunin. *Sov. med.* 28 no. 1:82-84 Ja '65.

## FIBRINOLYSINS—THERAPEUTIC USE

Study on the effectiveness of the use of fibrinolysin in myocardial infarcts. B. P. Kuselevskiy, I. M. Khel'monen, V. A. Fialko. *Sov. med.* 28 no. 5:55-58 My '65.

Successful use of fibrinolysin in thromboembolism of the pulmonary artery. I. U. E. Zhdanov, T. V. Rozhkova. *Sov. med.* 28 no. 1:121-123 Ja '65.

## FIBRINOLYSIS

Direct transfusion of the blood in some hematologic diseases and in the syndrome of acute fibrinolysis. S. B. Gelro and others. *Voen.-med. zhur.* no. 8:27-29 '64.

State of fibrinolytic activity of the blood in labor and postpartum period. A. M. Efendiyeva. *Dokl. AN Azerb. SSR* 21 no. 2:71-75 '65.

Transfusion of fibrinolytic blood in radiation lesions. I. U. A. Kuleshov. *Voen.-med. zhur.* no. 8:23-28 '64.

Treatment of infectious hepatitis with transfusions of fibrinolytic and preserved blood plasma. P. A. Alisov, P. D. Starshov, I. A. Kovalevskiy. *Voen.-med. zhur.* no. 11:17-20 '64.

FICTION, HISTORICAL see Historical fiction

## FIELD CROPS

(see also subdivision under Georgia; Grodno Province; Turkmenistan)

Effect of insecticides on farm crops. Zh. L. Lukpanov. *Vest. sel'khoz. nauk [Kazakh.]* 8 no. 4:24-27 Ap '65.

TSupak, Y. G. [Plant growing] *Rasteniyovodstvo*. Leningrad, Kolos, 1964, 346 p. (Uchebnyy i uchebnye posobiya dlia sel'skokhoziaistvennykh institutov) (DNAL)

## FIELD CROPS—FERTILIZERS AND MANURES

(see also subdivision under Alma-Ata Province; Finland; Sumy Province; Vladimir Province)

Combining irrigation with the use of fertilizers as a decisive factor in the increase of crop yield in arid regions of the European part of the U.S.S.R. V. V. Kolpakov. *Izv. TSKHA* no. 5:83-105 '64.

Fertilizing of fields with organic-mineral mixtures and manure-soil composts. I. P. Mamchenkov, E. M. Bodrova, G. I. Farafonova. *Agrokhiimia* no. 1:13-22 Ja '65.

Mineral fertilizers and farm manure. V. P. Bugaev. *Agrokhiimia* no. 4:20-27 Ap '65.

Mixed use of triazine derivatives with mineral fertilizers. F. V. Iashkevich, I. U. A. Potapova, I. U. G. Grisevich. *Agrokhiimia* no. 1:89-91 Ap '65.

Moscow. Nauchnyi institut po udobreniyam i insektotsiklitsidam. [Potassium fertilizers] *Kalinye udobreniya*. Pod red. K. P. Magnitskogo, D. V. Khark'ova. Moskva, Kolos, 1964, 200 p. (DNAL)

Uptake of nitrogen, phosphorus, and potassium by yields of farm crops. A. V. Morozova. *Agrokhiimia* no. 2:21-32 F '65.

## FIELD CROPS—IRRIGATION

(see also subdivision under Soviet Central Asia)

Calculating irrigation norms for the irrigation of farm crops. N. V. Danilchenko. *Vest. sel'khoz. nauk [Kazakh.]* 8 no. 4:70-78 Ap '65.

Combining irrigation with the use of fertilizers as a decisive factor in the increase of crop yield in arid regions of the European part of the U.S.S.R. V. V. Kolpakov. *Izv. TSKHA* no. 5:83-105 '64.

The PDN-7, 2-1 tractor-driven strip leveler. V. Titulin, S. Izumov. *Tekh. v sel'khoz.* 25 no. 4:21-22 Ap '65.

## FIELD EXPERIMENTS

Derevitskiy, N. F. [Problems of the methods of field experiments] *Voprosy metodiki polovogo opyta*. Kishinev, Shtiintsa, 1960, 141 p. (DNAL)

## FIELD THEORY

Classical scalar meson fields. I. U. P. Pylov. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 20 no. 2:53-58 Mr-Apr '65.

## FIELDS, ALGEBRAIC

Algebra of elementary Abelian fields. B. M. Urazbaev. *Izv. AN Kazakh. SSR, Ser. fiz.-mat. nauk* 3 no. 1:3-9 Ja-Apr '65.

FILBERT see subdivision under Black Sea region

## FILIPPOV, MIKHAIL MIKHAILOVICH, 1856-1903

A materialist philosopher. P. D. Danushin. *Vest. Mosk. un. Ser. 8: Ekon., filol.* 20 no. 3:85-89 My-Je '65.

## FILLERS (CHEMICAL TECHNOLOGY)

Petroleum refining products as softener-fillers of divinyl styrene rubbers. V. I. Guseva and others. *Trudy MINKHGP* no. 44:46-57 '63.

## FILMS (CHEMISTRY)

(see also subdivision under Kazan)

Amorphous texture of polyethylene terephthalate films. L. G. Kazarian, D. I. A. Tsavankin. *Vysokom. neod.* 7 no. 1:80-87 Ja '65.

Nature of the interglobular interaction in the films of grade 30-1 synthetic styrene rubber latex obtained by means of ionic deposition. A. R. Kuznetsov, N. N. Pavlov, S. A. Pavlov. *Kauch. i rez.* 24 no. 4:13-14 Ap '65.

## FILTERS AND FILTRATION

Ceramic-metal filters for fine purification of liquids.

E. I. Pavlovskaya. *Vest. mashinost.* 46 no. 4:52-54 Ap '65.

Critical remarks on some designs of filters. V. M. Gavrilko. *Gidr. i mel.* 17 no. 4:51-58 Ap '65.

Distributing systems without supporting layers for contact clarifiers and two-line filters. A. R. Kuznetsov, N. N. Pavlov, S. A. Pavlov. *Kauch. i rez.* 24 no. 4:13-14 Ap '65.

Manufacture of filters for water intake wells in a plant. A. A. Khmelevskiy. *Gidr. i mel.* 17 no. 4:57-58 Ap '65.

Production of nonwoven filter materials by means of the impregnation of fibrous systems with high-polymer dispersions. E. T. Usainova, S. S. Volutskiy. *Izv. vyz. ucheb. zav. i tekhn. tekst. prom.* no. 1:104-110 '65.

Production of nonwoven filter materials by means of the impregnation of fibrous systems with high-polymer dispersions. E. T. Usainova, S. S. Volutskiy. *Izv. vyz. ucheb. zav. i tekhn. tekst. prom.* no. 2:108-113 '65.

Regulator of the speed of filtration for slow filters. E. A. Silin, N. D. Lombardov. *Gidr. i mel.* 17 no. 2:51-56 F '65.

Restoring the filtration properties of a capron cloth. V. I. Valentinov, I. U. L. Gritail, I. A. Tatarsenko. *Gor. zhur.* no. 3:70-71 Mr '66.

Stopper attachment and perforated disks for the Seitz apparatus. V. P. Blokhov. *Voen.-med. zhur.* no. 9:81-82 '64.

Study of the effect of polyacrylamide on the process of filtration. L. N. Paskutakina. *Nauch. trudy AKKH* no. 22 '63, Vol. no. 3:37-48 '63.

Study of the operation of the porous drains of filters designed by the Academy of Municipal Services. L. P. Bykadorov, V. I. Kulzhinskii, V. A. Mikhailov. *Nauch. trudy AKKH* no. 22 '63, Vol. no. 3:120-131 '63.

Use of glass-fiber fabrics for the manufacture of the filter hose of oil cake catchers. O. A. Bobrenko. *Mashinost. prom.* 31 no. 4:45 Ap '65.

Work of a sand filter in running water. E. A. Silin, N. D. Lombardov, Z. I. A. Laroshevskiy. *Trudy VNIIGM* 44:22-29 '64.

- FINANCE**  
(see also subdivision under Iran, Kazakhstan, Moscow, Turkey; United States)  
Problem of great state importance G. Dundukov, Fin. SSSR 39 no. 5 3-11 My '65  
Save time and labor, E. Gerasimenko, Fin. SSSR 39 no. 5 48-49 My '65  
What goals announced by the plant financiers, A. Patmanov, Fin. SSSR 39 no. 5 50-53 My '65
- FINANCE—CONGRESSES**  
Conference of financial workers' activist group, Fin. SSSR 39 no. 5 91-95 My '65
- FINANCIAL STATEMENTS**  
Prepare annual reports on time G. Granovskii, Bukhgal't 21 no. 10 7-9 O '64
- FINGERS—ABNORMALITIES AND DEFORMITIES**  
Polydactylia and syndactylia, P. V. Zabolotnikov, Arkh. pat. 27 no. 4 34-40 '65
- FINISHES AND FINISHING**  
Reducing laborious procedures in finishing work, Z. G. Suponitskii, Stroitel'stvo 27 no. 4 30-39 Ap '65
- FINLAND—FIELD CROPS—FERTILIZERS AND MANURES**  
Soil fertility service and the use of fertilizers in Finland, T. M. Kolvinen, Agrokhimia no. 4 132-134 Ap '65
- FINLAND—SOIL FERTILITY**  
Soil fertility service and the use of fertilizers in Finland, T. M. Kolvinen, Agrokhimia no. 4 132-134 Ap '65
- FINLAND, GULF OF—NAVIGATION**  
Passage to the roadstead of Tallinn, A. Reznikov, Mor. flot 24 no. 9 21 S '64
- FINLAND, GULF OF—SEA LEVEL**  
Fluctuations of Finland Gulf level and their connection with Pulkovo microseismic waves, I. U. D. Mikhailov, Izv. Vses. geog. ob-va 97 no. 2 166-169 Mr.-Ap '65
- FINNO-UGRIAN LANGUAGES**  
Eesti NSV Teaduste Akadeemia, Keelte ja kirjanduse instituut, [Studies on the Balto-Finnic and Volga languages] Toide jaanemere soome ja volga keelte alalt, Tallinn, 1964, 132 p. [In Estonian and Russian]
- FIR** see subdivision under Caucasus
- FIRE DEPARTMENTS**  
Bases for establishing the operative radius of fire departments and the number of operative units of a city fire extinction system, N. P. Andreenko, N. A. Tarasov-Agalakov, Pozh. bezop. no. 3 87-94 '64
- FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES**  
Use of fire hose in fire departments, V. N. Kozar', N. A. Tarasov-Agalakov, Pozh. bezop. no. 3 98-103 '64
- FIRE EXTINCTION**  
Use of wetting agents in fire extinction, I. U. G. Gumbin, P. G. Demidov, M. V. Kazakov, Pozh. bezop. no. 3 76-87 '64
- FIRE EXTINCTION—SOCIETIES, ETC.** see subdivision under Bashkiri
- FIRE PREVENTION—RESEARCH**  
Determining the coefficient of heat exchange under the conditions of a "standard" fire, M. P. Bashkirtsev, N. A. Shelud'ko, Pozh. bezop. no. 3 39-47 '64
- FIRE SPRINKLERS**  
Ways to improve the sprinkling systems, N. B. Kashcheev, Pozh. bezop. no. 3 103-132 '64
- FIRE-TESTING**  
Determining the fire resistance limits of reinforced concrete structures under various temperature conditions, I. G. Khodakovskii, M. Ia. Roitman, Pozh. bezop. no. 3 31-38 '64
- FIREARMS** see subdivision under India
- FIREBRICK**  
Causes for the premature failure of magnesite chromite brick in open hearth furnace roofs, M. A. Kovshar', Ogneupory 30 no. 3 28-32 '65
- Manufacturing firebrick from slag and its use in the checkerwork of open-hearth furnace heat regenerators, Zh. A. Vydrina, Ogneupory 30 no. 5 10-19 '65**
- FIRECLAY**  
Selective mining of refractory clays and kaolins by rotary excavators, I. N. Bereshtin, V. I. Seroshtan, Ogneupory 30 no. 3 16-24 '65
- FIRECLAY—DRYING**  
Controlling the conditions of clay drying in drums, N. V. Arslutkin, Kh. M. Papakin, F. G. Valenburger, Ogneupory 30 no. 5 20-23 '65
- FIRST AID IN ILLNESS AND INJURY**  
Extent and organization of first-aid service on ships, Z. M. Evenshtein, Voen.-med. zhur. no. 8 71-72 '64  
Nitrous oxide anesthesia with pipolphen premedication in the first aid treatment of myocardial infarct, I. L. Pekker, Sov. med. 28 no. 1 103-107 Ja '65  
Once more on the extent of medical aid at medical service battalions and special motorized detachments, M. F. Voltenko, Voen.-med. zhur. no. 11 1-16 '64
- FIRST OF MAY** see May Day (Labor holiday)
- FISH, CANNED**  
(see also subdivision under Makhachkala)  
Effect of heat treatment on oil and moisture absorption by fish products, V. E. Akimova, Izv. vys. ucheb. zav.; pishch. tekhn. no. 1 127-129 '65
- FISH, CANNED—STERILIZATION**  
Development of sterilization methods for canned fish, I. U. T. Ranyne'ka, Khar. prom. no. 2 47-49 Ap-Je '65
- FISH, FROZEN**  
Bykov, V. P. [Modern concepts of the changes in meat and fish characteristics during freezing; a review of the literature] Sovremennye predstavleniia ob izmenenii svoistv miasa, ryby pri kholodil'noi obrabotke; obzor literatury, Moskva, Vses. nauchno-issl. in-t morskogo rybnogo khoz., I. okeanografi, 1964, 56 p. [MICROFILM]
- FISH, SALT**  
Mechanized shop for refrigerated salting of herring, M. I. Fulinin, Ryb. khoz. 41 no. 4 61-65 '65
- FISH, SALT—MICROBIOLOGY**  
Methods of microbiological study of salt herring, S. I. Ivanova, M. M. Goftarsh, Ryb. khoz. 41 no. 4 57-58 '65
- FISH, SMOKED**  
Content of carcinogenic substances in smoke and smoked products, P. P. Dikun, Ryb. khoz. 41 no. 3 60-61 '65  
New processes of cold bread and roach smoking, L. I. Shvacheva, Ryb. khoz. 41 no. 4 69-69 '65
- FISH AS FOOD**  
Polyunsaturated fatty acid content in the fats of main commercial fishes in the Azov-Black Sea Basin, G. S. Khristoforzen, Vop. pit. 23 no. 5 17-20 S-O '64
- FISH CULTURE**  
(see also subdivision under Krasnodar Territory; White Russia)  
Akademia nauk URSR, Kiev, Institut hidrobiologii, [Effect of the quality of spawners on the offspring of fish] Vlianie kachestva proizvoditelei na potomstvo u ryb, Pod red. V. I. Vladimirova, Kiev, Naukova dumka, 1965, 141 p.  
Cohabit in fish culture: biogenic migration of chemical elements in ponds, V. V. Koval'skii and others, Priroda 54 no. 5 69-70 My '65
- FISH CULTURE—EQUIPMENT AND SUPPLIES**  
Geshelin, A. M. [Hydraulic calculations of fish farm structures; a textbook] Gidravlicheskie raschyty sooruzhenii rybovodnykh khoziststv; uchebnoe posobie, Kaliningrad [Kaliningradskoe knizhnoe izd-vo], 1964, 42 p. [MICROFILM]
- FISH INTRODUCTION** see subdivision under Aral Sea
- FISH OIL**  
Antioxidation properties of propyl gallate and butyl hydroxytoluol, G. S. Khristoforzen, Izv. vys. ucheb. zav., pishch. tekhn. no. 2 80-88 '65
- FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES**  
Problem of reliability of fish processing equipment, N. N. Ryndich, Ryb. khoz. 41 no. 4 53-55 '65  
Seminar on using synthetic materials in the fishing industry, Ryb. khoz. 41 no. 4 92-93 '65  
Wider use of kapron molding in the fishing industry, V. I. Nazarov, Ryb. khoz. 41 no. 4 41-43 '65
- FISH TAGGING**  
Observations on elementary populations of the Caspian roach (Rutilus rutilus caspicus Jak.) in a river by means of marking, A. N. Palusova, Biol. MOKP, Otd. biol. 70 no. 2 47-54 Mr.-Ap '65
- FISHERIES**  
(see also subdivision under Atlantic Ocean; Azov, Sea of; Kamchatka; Sakhalin)  
[Fisheries] Promyslovoe delo, [Murmansk] Murmanskskoe knizhnoe izd-vo, 1964, 463 p.  
Our congratulations to you, dear women! Ryb. khoz. 41 no. 3 3-5 '65
- FISHERIES—ACCOUNTING** see subdivision under Azov, Sea of; Black Sea
- FISHERIES—ECONOMIC ASPECTS** see subdivision under Aral Sea; Kaliningrad
- FISHERIES—EQUIPMENT AND SUPPLIES**  
Technological progress in the fishing industry in 1965, F. G. Pavlov, Ryb. khoz. 41 no. 4 4-6 '65  
Wear, depreciation and repairs of basic stock of the fishing industry, O. S. Bolotnova, Ryb. khoz. 41 no. 3 85-86 '65
- FISHERIES—PERIODICALS** see subdivision under Kaliningrad Province
- FISHERY LAW AND LEGISLATION** see subdivision under Atlantic Ocean
- FISHERY PRODUCTS—PACKAGING**  
Storage of ready-to-eat fish products in high-polymer film packaging, E. M. Rodin, Izv. vys. ucheb. zav., pishch. tekhn. no. 2 80-81 '65
- FISHERY PRODUCTS—PRESERVATION**  
Combined synthetic coatings for the preservation of fishery products, M. N. Yakhusheva, Ryb. khoz. 41 no. 3 55-57 '65
- FISHES** see subdivision under Amur River; Bashkir Preserve, Western Dvina River
- FISHES—BEHAVIOR**  
Approximate determination of the contrast sensitivity of the eye of fishes by their behavior, V. N. Mel'nikov, Nauch. dokl. vys. shkoly; biol. nauki no. 2 88-90 '65
- FISHES—DISEASES AND PESTS**  
Natural antibodies in fishes, V. I. Luk'ianenko, Zool. zhur. 44 no. 2 300-304 '65
- FISHES—EGGS**  
Control of the fungous disease of sturgeon eggs, T. V. Astakhova, Ryb. khoz. 41 no. 3 20-21 '65
- FISHES—EMBRYOLOGY** see Embryology—Fishes
- FISHES—FOOD**  
(see also subdivision under Georgia, Ucha Reservoir)  
Feeding habits of ocean perch in the Bering Sea, V. A. Skalkin, Trudy VNIRO 49 151-168 '64
- FISHES—LEGENDS AND STORIES**  
Mantel'fel', B. P. [Living silver] Zhivoe serobro, Moskva, Mysl', 1965, 230 p. (Rasskazy o prirode)
- FISHES—MIGRATION**  
Akademia nauk SSSR, Ob'edinennyi nauchnyi sovets po problemam "Fiziologii cheloveka i zhivotnykh," [Biological significance and functional determination of migratory behavior in animals] Biologicheskoe znachenie i funktsional'naya determinatsiia migratsionnogo povedeniia zhivotnykh, Moskva, Nauka, 1965, 91 p.  
Effect of predatory fishes on the extension of seaward migration of salmon, E. L. Bakstanskii, Ryb. khoz. 41 no. 3 17-18 '65  
Fishes must be counted, A. Grilbanov, Zobr. i rats. no. 3 19 '65
- FISHES—PARASITES** see Parasites—Fishes
- FISHES—PHYSIOLOGY**  
Growth and maturation as main factors of the dynamics of fish stock, M. A. Pavlov, Ryb. khoz. 41 no. 3 12-14 '65  
Interspecific differences in the rate of occurrence and content of serum lysozyme in fishes, V. I. Luk'ianenko, Izv. AN SSSR, Ser. biol. no. 3 408-413 My-Je '65
- FISHES—PRESERVATION**  
Air freezing of beluga fillets in the preparation of cured beluga products, V. V. Bal', A. V. Vurgaft, O. V. Mironova, Izv. vys. ucheb. zav., pishch. tekhn. no. 1 110-113 '65
- FISHES, FOSSIL** see subdivision under Lena Valley
- FISHES, FRESHWATER**  
Investigation of herbivorous fishes as an important means for higher fishpond productivity, K. E. Babalan, Ryb. khoz. 41 no. 3 6-8 '65
- FISHES, FRESHWATER—PARASITES** see Parasites—Fishes, Freshwater
- FISHING**  
(see also subdivision under Black Sea; Caspian Sea; Kamchatka)  
Mathematical approach in the administration of fisheries, V. Tishinski, Ryb. khoz. 41 no. 4 70-71 '65
- FISHING—EQUIPMENT AND SUPPLIES**  
Air lifts work, I. U. Maslov, Ryb. khoz. 41 no. 3 47-48 '65  
Apparatus for conserving young commercial fishes caught by fine-meshed nets, R. A. Mallian, Ryb. khoz. 41 no. 3 15-16 '65  
Machine for cutting fiber plant ropes, I. N. Vazhnov, Ryb. khoz. 41 no. 4 47-49 '65  
Theoretical investigation of the use of a tuna fishing line, L. I. Metelkin, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14 53-57 '62



## FISHING BOATS

Efficient classification of serial fishing and transport ships in groups based on their stability IU, M. Rizanov Ryb. khoz. 41 no. 3 28-32 '65  
Mooring of a BMR to a floating base and loading and unloading works at sea from both sides I F Tolokubov Ryb. khoz. 41 no. 3 24-26 '65

## FISHING BOATS—EQUIPMENT AND SUPPLIES

Loads affecting loading equipment G D Viskseev Ryb. khoz. 41 no. 1 30-33 '65

## FISHING BOATS—MAINTENANCE AND REPAIR

(see also subdivision under Klappeda)

Methods of determining economically profitable overhauling of fishing boats A V Sorokin Ryb. khoz. 41 no. 3 78-79 '65

## FISHING NETS

Catching ability of a bottom seine, V. A. Ionas, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:49-52 '62

Catching ability of stationary salmon seines, E. D. Karakotskii, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:76-87 '62

Choice of the magnitude of the coefficient of threading, N. N. Andreev, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:25-36 '62

Comparative experiments with tarred lines of cotton and hemp used in making drift nets, A. V. Zasosov, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:131-113 '62

Device for reeling biddle lines of fishing equipment, for example, drift nets IU, I. A. Iluk, A. G. Abramov, Ryb. khoz. 41 no. 3 95 '65

Production capacity of the net-knitting factories in the U. S. S. R., and their utilization, N. P. Sysoev, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:159-164 '62

Stability of the central wire of the leading wing of a stationary seine, V. A. Ionas, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:45-48 '62

Study of the efficiency of stationary salmon seines on the western coast of Kamchatka, E. D. Karakotskii, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:98-104 '62

Study of the process of purse seining by the method of mechanical imitation, N. N. Andreev, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:10-24 '62

## FISHING NETS—HYDRODYNAMICS

Calculation of the wave forces acting on the walls of the nets, A. I. Kuznetsov, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:37-44 '62

Preliminary results of the study of the resistance of a net, E. IU. Obolenskii, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:118-130 '62

Storm resistance (stability) of stationary seines, V. M. Pankov, Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14: 68-77 '62

## FISHPONDS

(see also subdivision under Tashkepi region, Turkmenistan, Ukraine)

Considerations on ways of development of pond fish culture K A Sadiyev Ryb. khoz. 41 no. 4 16-18 '63

Investigation of herbivorous fishes as an important means for higher fishpond productivity, K. E. Babalan Ryb. khoz. 41 no. 3 6-8 '65

## FISHPONDS—FERTILIZERS AND MANURES

Cobalt in fish culture: biogenic migration of chemical elements in ponds, V. V. Koval'skii and others Priroda 54 no. 5:69-70 My '65

## FISHION PRODUCTS

Study of the absorption of radioactive fission products by field crops Report No. 2: Accumulation of radioactive fission products by pulse crops and perennial grasses, G V Il'ina, S G. Rydkii Vest Mosk un. Ser 5 Biol, pochnv 20 no. 2:3-9 Mr-Apr '65

## FISTULA

Method for simultaneous application of fistular tubes to several organs of the abdominal cavity using a combined cannula, I K. Smirnov Biul. eksp. biol. i med 59 no. 4:116-120 Ap '65

## FISTULA, BILIARY

External biliary fistulae caused by gunshot, A. I. Chalganov Voen. med zhur no. 9, 69-70 '64

Spontaneous closure of a bronchobiliary fistula, R. V. Kuznetsov Vest. khir. 92 no. 6:123-124 Je '64

## FISTULA, BRONCHIAL

Bilateral resection of the lungs in bronchoesophageal fistula, V. M. Furmanchuk, Vest. khir. 92 no. 6 120-121 Je '64

Spontaneous closure of a bronchobiliary fistula, R. V. Kuznetsov, Vest. khir. 92 no. 6 123-124 Je '64

Surgical treatment of chronic empyemas and bronchial fistulae following pneumonectomy, I. S. Kolesnikov, F. I. Gorolov, Vest. khir. 94 no. 2:55-60 F '65

Tension pneumopericardium in bronchopercardial fistula, N. I. Gidzinskii, Vest. khir. 94 no. 2:101-102 F '65

## FISTULA, ESOPHAGEAL

Bilateral resection of the lungs in bronchoesophageal fistula, V. M. Furmanchuk Vest. khir. 92 no. 6 120-121 Je '64

## FISTULA, INTESTINAL

Duodenal fistulas following resection of the stomach A. L. Kogen Vest. khir. 92 no. 6 33-36 Je '64

## FITZGERALD, FRANCIS SCOTT KEY, 1896-1940

Novels of Scott Fitzgerald written in the 1920's, A. N. Gorbunov Vest. Mosk un. Ser 7: Filol, zhur 20 no. 2 21-32 Mr-Apr '65

## FLAME PHOTOMETRY

Determination of the sodium, potassium and calcium content in tissues by the flame photometry method, O. B. Sopotsyn'skii, E. P. Shuba Tr. biokhim. zhur. 47 no. 1 151-155 '65

Flame photometric and titrimetric methods for determining calcium in plants, D. M. Alekseeva, Pochvovedenie no. 3 63-67 My '65

## FLAME PROJECTORS (AGRICULTURAL MACHINERY)

Studying an apparatus for flame cultivation M. K. Lagupov Trakt i sel'mashzash no. 3 28-30 Mr '65

## FLANGES—STANDARDS

Standardization of flanges of vessels and apparatus, L. P. Petisev, L. P. Lukashovich Standartizatsia 29 no. 3:40-41 Mr '65

## FLAVONOIDS

Study of the flavonoids of garden sorrel, T. A. Vol'khon'skaya, V. G. Minacva, Biul. Glav. bot. sadu no. 56:57-59 '64

## FLAX

(see also subdivision under Kalinin Province)

Moisture content of flax yarn in bobbins after water removal by pressure, G. N. Morozov, Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:41-16 '65

Wet spinning of flax directly from silver, IU, V. Volkov, Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 2:48-51 '65

## FLAX—TRANSPORTATION

Effectiveness of the pneumatic conveying of flax seeds, I. V. Baranov Dokl. Akad. sel'khoz. nauk no. 2:41-45 F '65

## FLAX—TESTING

Effect of the moisture of flax bast on its mechanical properties, A. M. Ipatov, Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:32-35 '65

## FLAX—VARIETIES

New specimen of fiber flax as prospective material for breeding V. I. Sofinskaya Biul. VIR no. 10:38-39 '62

## FLAX INDUSTRY

A prospect for developing flax production I. Zhukov, Zakup sel'khoz. prod. no. 3 24-26 Mr '65

## FLAX INDUSTRY—INDUSTRIAL CAPACITY

Ways to increase the industrial capacity of the flax processing industry V N Kassei, A A Protopopov Tekst. prom. 25 no. 4 18-19 Ap '65

## FLAX PROCESSING MACHINERY

Flax dressing, S. V. Tarasov, Tekst. prom. 25 no. 4:19-24 Ap '65

Studying the movement of materials in a type T'G-135-L tow shaker IU, N. Tarunin, Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 2 43-48 '65

## FLAX STRAW

Electric device for moisture measurement in PIV retted flax tow P. IU, Litvishis and others Tekst. prom. 25 no. 3:70-71 Mr '65

## FLAXSEED

Resistance of oilseed flax to fusarium wilt L. A. Savenko, Maslozhir. prom. 31 no. 2:12-13 F '65

## FLAXWILT

Resistance of oilseed flax to fusarium wilt, L. A. Savenko, Maslozhir. prom. 31 no. 2:12-13 F '65

## FLEAS see subdivision under Armonia

## FLESH FLIES see subdivision under Georgia

## FLEXURE

Determining flexures, bonding moments and interacting forces for bent components of variable rigidity E A. Sekhniaishvili Soob. AN Gruz. SSR 29 no. 1:59-66 JI '62

Strength and rigidity of flexible concrete and reinforced concrete elements under short-term loading, V. N. Gornov, Bet. i zhel.-bet. 0 no. 6:252-257 Je '63

## FLIES AS CARRIERS OF DISEASE see subdivision under Lenkhabad

## FLIGHT TRAINING

Above the target, A. Chivkin, Av. i kosm. 47 no. 6:37-18 Je '65

## FLOATING CRANES

Use of cranes at the landing places of small rivers I Itenberg, M. Khabenskii Rech. transp. 24 no. 3 27-28 '65

## FLOCCULATION

Mechanism of the flocculating action of industrial polyacrylamide, IU, I. Vaitso, Z. A. Kolosova, R. M. Steina, Nauch. trudy AKKH no. 22 '63 Vod. no. 3 10-36 '63

## FLOORS—THERMAL PROPERTIES

Equivalent thermal activity coefficient for floor structures A. G. Gindoin, Inzh. fiz. zhur. 8 no. 2 275-280 F '65

Investigating the contact heat transfer on the floor surface, A. I. Usav, Inzh. fiz. zhur. 8 no. 2 274-274 F '65

## FLORIDA—GUIDED MISSILE INDUSTRIES

Florida, the new center of rocket building in the U. S. A., V. P. Zhalkovskii, Kiy. rod 13 no. 3:31 Mr '62

## FLOTATION

Chemical mechanism of the controlling action of sodium hexafluoroarsenate on the flotation of some minerals, L. V. Kostina and others, Dokl. AN SSSR 161 no. 6 1382-1381 Ap '65

Desliming the pulp in the flotation of iron ore, F. N. Belash, O. V. Pugina Obog. rud. 9 no. 4:3-5 '64

Effect of alkaline modifiers on the selective flotation of loparite aegirite, and nephelite IU, I. Eroshkin, E. M. Koval' Obog. rud. 9 no. 4 6-10 '64

Effect of sulfur dioxide on the floatability of molybdenite K. T. Koshchebaev, M. A. Sokolov, Vest. AN Kazakh SSR 21 no. 4:66-71 Mr '65

Efficient flotation flow chart for collective concentrates at the Sibay plant, E. A. Vershinin and others, TSvet. met. 38 no. 1:14-17 Ap '65

Interaction between microflite and certain reagents in flotation, I. N. I. Iakani, E. A. Shneider, Dokl. AN SSSR 162 no. 1:147-149 My '65

Study of floatability of antlerite from the Udokan deposit, G. I. Demidovich, L. D. Kislakov, TSvet. met. 38 no. 4:21 Ap '65

## FLOTATION—EQUIPMENT AND SUPPLIES

(see also subdivision under Dzhezkazgan region, Kazakhstan)

Floatability of iron oxides from a pulp treated in a magnetic field F. N. Belash, V. A. Chumakov, Gor. zhur. no. 5:63-65 My '65

Moscow, Institut gornogo dola imeni A. A. Stokhinskogo, [on exchange and extractive methods in chemical ore dressing processes] Ispol'meniye i ekstraktatsionnye metody v khimiko-obogatitel'nykh protsessakh, Moskva, Nauka, 1965, 67 p.

Use of flotation jigging in ore dressing, I. N. Plaksh, S. S. Shakhmatov, TSvet. met. 38 no. 4:10-14 Ap '65

## FLOUNDERS see subdivision under Bering Sea

## FLOUR—TRANSPORTATION

Practices in the organization of work with an automatic loader in a railroad car, R. Tesler, Muk.-elev. prom. 31 no. 4:15-16 Ap '65

## FLOUR INDUSTRY see subdivision under White Russia

## FLOUR MILLS

(see also subdivision under Krasnodar)

Make every effort for improving the quality of flour and technology of production N. Sokolov, Muk.-elev. prom. 31 no. 5:10-24 My '65

## FLOUR MILLS—EQUIPMENT AND SUPPLIES see subdivision under Germany, East; Moscow

## FLOWERING OF PLANTS see Plants, Flowering of

## FLOWMETERS

Effect of the steady flow profile on the error of ultrasonic flowmeters S. S. Kivlits, V. A. Roshetnikov, Izv. tekhn. 3:52-54 Mr '65

Flowmeter based on the principle of nuclear magnetic resonance, A. I. Zhernovoi, V. M. Stasovich, Izv. vys. ucheb. zav., prih. 8 no. 2:45-48 '65

Hydraulic studies of the hydant-type sluice gates of distribution pipelines and the MIV-II pendulum flowmeter, I. I. Vartanov Trudy VNIIGM 44:61-73 '64

The IAMR pulse-frequency flowmeter V. V. Ekaterinina, A. I. Zhernovoi, O. V. Stukhov Izv. tekhn. no. 3:54-56 Mr '65

Magnetic flowmeters, N. M. Turchin, Mag. gidr. no. 1:147-153 '65

## FLOWMETERS—STANDARDS

**Russia (1923- U. S. S. R.)** Komitet standartov, mei 1  
Izvestiya priboi ov. [Regulations 28-64 on the  
measurement of the consumption of liquids, gases and  
vapors by standard diaphragms and nozzles] Pravila  
28-64 izmereniia rashkoda zhidkostei, gazov i parov  
standartnymi diafragmami i soplami. Izd. ofitsial'noe,  
Moskva.

[Album of diagrams for...] Al'bom grafikov  
k.... Moskva, Izd-vo Standartov, 1964,  
148 p.

## FLUE GASES

Continuous automatic control of the composition of flue  
gases. IU, M. Belan and others. Gid. zhur. no. 3-60-  
61 Mr '65.

**Sazanov, B. V.** [Blast furnace gas-turbine plants]  
Domelnye gazoturbinnye ustanovki. Moskva, Metallur-  
gika, 1965, 205 p.

## FLUE GASES—ANALYSIS

Chemotographic analysis of blast furnace gas. V. E.  
Shvetsov, G. I. Lizonov. Izv. vys. ucheb. zav., chem. i  
met. 8 no. 5:204-209 '65.

## FLUE GASES—PURIFICATION

Cooling and purification of converter gases. Kh. L.  
Fridman. Met. i gornorud. prom. no. 2:27-29 Mr-  
Ap '65.

## FLUES

Stabilizing the draft of pipestill flues. S. A. Faramazov,  
V. G. Kosenkov, K. R. Akhmedov. Nefteprom. i neftekhim.  
no. 4:45-47 '65.

## FLUID DYNAMICS

Calculating the critical velocity of a steam-water mixture,  
beyond which heat transfer is impeded. I. A. M. Raikin.  
Inzh.-fiz. zhur. 8 no. 3:393-395 Mr '65.

Effect of the geometric characteristics of an l/d nozzle on  
the length of the continuous section of the flow. V. I.  
Smirnov. Izv. vys. ucheb. zav., tekhn. i khim. tekhn. no. 1:  
123-126 '65.

An error in F. O. Ringler's paper. M. I. Gurevich. Izv.  
AN SSSR, Mekh. no. 1:205-206 Ja-F '65.

Experimental investigation of fluid film thickness and the  
amount of drop entrainment occurring under the  
influence of a high-speed gas flow. V. A. Chel'nikov.  
Izv. vys. ucheb. zav., mashinost. no. 1:107-112 '65.

Flow of a non-Newtonian fluid between two parallel  
planes. S. A. Bostandzhian, A. M. Stolin. Izv. AN  
SSSR, Mekh. no. 1:185-188 Ja-F '65.

Heat exchange between an asymmetric stream and a  
plate in a normal position in the flow. P. M. Bidiik,  
V. K. Samarin. Inzh.-fiz. zhur. 8 no. 2:146-150 F '65.

Measuring the velocity of a diphasic (gas-liquid) flow by  
means of an impeller. G. P. Skrebkov. Izv. AN SSSR,  
Mekh. no. 1:181-182 Ja-F '65.

Propagation of small perturbations in a fluid flowing in  
an elastic cylindrical shell. I. T. Solozov, S. N. Niku-  
linakina. Izv. AN SSSR, Mekh. no. 1:173-176 Ja-F '65.

Remarks on K. P. Stashinskii's articles. N. A. Slezkin.  
Izv. AN SSSR, Mekh. no. 1:203-205 Ja-F '65.

Stability of steady flows of a viscous incompressible  
fluid. V. I. Udovich. Dokl. AN SSSR 161 no. 5:  
1037-1040 Ap '65.

## FLUID MECHANICS

Energy losses due to the vibrations of a sphere in a two-  
phase mixture (vibrational viscosity and vibrational  
density of mixtures). N. L. Granat. Izv. AN SSSR,  
Mekh. no. 1:34-41 Ja-F '65.

A linearized problem involving the discontinuous flow  
of an incompressible liquid past a permeable wedge.  
M. T. Bekulov. Dokl. AN SSSR 162 no. 3:523-526 My  
'65.

Phase permeability in the seepage of two-phase systems  
through a porous medium. A. E. Evgen'ev. Dokl. AN  
SSSR 162 no. 2:300-301 My '65.

Stability of long waves in a flow of viscous incompressible  
fluid. IU, P. Ivanilov, L. V. Pashinina. Izv. AN  
SSSR, Mekh. no. 1:20-33 Ja-F '65.

Studying water resistance and transportation speed of  
cigar-shaped rafts in unlimited and limited fairways  
taking into consideration the effect of engine, wind,  
and wave. V. N. Khudonogov. Trudy STI 37 189-199  
'64.

## FLUID MECHANICS—BOUNDARY VALUE PROBLEMS

Solution of boundary value problems in aerohydrodynamics.  
R. B. Salimov. Trudy KAI no. 71:42-49 '62.

## FLUIDIZATION

Akademija nauk BSSR, Minsk. Institut teplo- i masso-  
obmena. [Heat and mass exchange in dispersion sys-  
tems] Teplo- i massoobmen v disperznykh sistemakh.  
Minsk, Nauka i tekhnika, 1965, 176 p.

Calcining electrolytic copper slimes with soda in a  
fluidized bed. N. A. Kolesnikov, IU, A. Koz'min, L. S.  
Gotskin. TSvet. met. 38 no. 4:82-83 Ap '65.

Change in the properties of powdered coke on combustion  
in a fluidized bed. V. F. Gorlov, A. I. Skoblo. Trudy  
MINKHGP no. 14:250-267 '63.

Comparative analysis of variations in the flow sheets  
of the reactor block of units for continuous coking in  
a fluidized bed. A. A. Shechibaev, C. V. Smidovich.  
Trudy MINKHGP no. 44:197-202 '63.

Dispersality of the carried-off particles during the pro-  
cessing of granular materials in fluidized and suspended  
states. E. V. Donat. Izv. AN SSSR, Met. no. 1:39-45  
Ja-F '65.

Drying in a fluidized bed. N. A. Shekhova. Trudy MINKHGP  
26:30-49 '61.

Dust removal from ground rock salt in a fluidized bed.  
A. M. Stepanenko. Izv. vys. ucheb. zav., fizich. tekhn.  
no. 1:169-169 '65.

Fluidization of granular materials in confectionery  
production. A. F. Danilevich. Izv. vys. ucheb. zav.,  
fizich. tekhn. no. 2:160-161 '65.

Heat transfer from thin wires to the fluidized bed. N. N.  
Varygin. Trudy MINKHGP 26:33-38 '64.

Purification of gas by the removal of hydrogen sulfide  
in a fluidized bed of clinker. M. A. Klybaev and others.  
Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:  
958-961 '61.

Separation of a mixture of a cation exchanger and anion  
exchanger by a method of homogeneous fluidization.  
V. I. Malov. Teploenergetika 12 no. 5:81-84 My '65.

Study of apparatus with a fluidized bed and sectional down-  
comerless plates. I. G. Matushin, V. N. Golovin.  
Trudy MINKHGP 26:23-32 '61.

Theory and practice of heterogeneous processes in a  
fluidized bed. L. A. Akopian and others. Trudy MINKHGP  
28:3-22 '61.

## FLUOBORATES

Fusibility of systems containing potassium fluoborate  
and fluoborate. F. A. Polishchuk. Ukr. khim. zhur. 30  
no. 6:553-557 '64.

## FLUORESCENCE

Duration of the fluorescence of complex molecules.  
A. N. Sevechenko, L. G. Pkulkik, M. I. A. Kostko. Dokl.  
AN SSSR 162 no. 1:57-59 My '65.

Fluorescence determination of microamounts of europium.  
N. S. Poluektov, R. A. Vitkun, L. I. Kononenko. Ukr.  
khim. zhur. 30 no. 6:628-635 '64.

Study on the correlation between the pathogenicity of  
viruses of the tick-borne encephalitis group to animals  
and the characteristics of multiplication in the organism.  
Report No. 2: Detection by the fluorescent antibody  
method of re-infectious viral antigen in the organs of  
animals infected with the Malaya Langat (TP-21) virus.  
V. V. Pogodina, Khm' Shi-1970 [Han Shi-chieh]. Vop.  
virus 10 no. 1:30-36 Ja-F '65.

## FLUORESCENCE MICROSCOPY

Diagnosis of cancer of the cervix uteri on the basis of  
fluorescent-histological and fluorescent-cytological  
methods of examination. B. I. Zhelezov. Arkh. pat.  
26 no. 12:31-39 '64.

Fluorescence microscope study of the therapeutic effec-  
tiveness of neocide. V. S. Derkach, A. P. Kononenko.  
Trudy Khim. med. inst. no. 36:176-178 '57.

Fluorescence microscopy of ornithosis viruses and Q  
fever rickettsiae in egg cultures. TS. TS. Rhanduev.  
Vop. vet. virus. 1:448-452 '64.

Possibility of elimination of cross reactions between  
staphylococci of various groups and staphylococci in  
using the fluorescent antibodies method. T. A. Danilova,  
M. I. Kozin. Zhur. mikrobiol., epid. i immun. 41 no. 11:  
13-15 N '61.

Possibility of using the fluorescence microscopy method  
for the differentiation of living and dead cells in  
anaerobic bacteria. V. V. Lipshits, S. S. Nahorna.  
Mikrobiol. zhur. 26 no. 3:73-76 '64.

Use of the fluorescent method for the detection of polio-  
myelitis and rabies viruses. M. E. Lipkin and others.  
Vop. virus 10 no. 1:26-29 Ja-F '65.

## FLUORESCENT ANTIBODY TECHNIQUE

Detecting the virus of infectious laryngotracheitis of  
poultry using tagged fluorescent antibodies. V. N.  
Shum, M. A. Shostachenko, Z. I. A. Chistova. Vop. vet.  
virus. 1:426-430 '64.

Fluorescent antibody technique in the detection of tetanus  
bacilli. I. A. I. Alekseev, I. A. G. Kishko. Voen.-med.  
zhur. no. 10:47-50 '64.

Immunofluorescent paper disks for rapid detection of  
pathogenic microbes. V. M. Nikitin. Voen.-med. zhur.  
no. 11:50-53 '64.

Specific inhibition of immunofluorescence; a two-stage  
blocking test. I. F. Mikhailov. Zhur. mikrobiol., epid. i  
immun. 42 no. 4:84-89 Ap '64.

## FLUORINATION

Direct fluorovinylation. A. I. Yakubovich, A. P. Sergeev,  
I. M. Beliaev. Dokl. AN SSSR 161 no. 5:1362-1364 Ap  
'65.

Isolates of perfluoro ketones. IU, V. Zeltman, N. P. Gam-  
barian, L. L. Khandanov. Izv. AN SSSR, Ser. khim. no. 3:  
450-456 '65.

Mechanism of formation of fluoride films on nickel and  
their properties. IU, A. Luk'yanchev, I. I. Astakhov,  
N. S. Nikolaev. Izv. AN SSSR, Ser. khim. no. 4:588-593  
'65.

## FLUORINE

Electroconductivity of fluoride glasses in a molten state.  
K. A. Kostanjan, E. A. Erznik. Izv. AN Arm. SSR,  
Khim. nauki 18 no. 1:3-5 '65.

## FLUORINE COMPOUNDS

Symmetry and dimensions of the elementary cell of  
polytrifluoroethylene. E. L. Gal'perin, IU V. Strogalin.  
Vysokom. soed. 7 no. 1:16-18 Ja '65.

## FLUOROMETRY

Fluorimetric determination of tantalum in silicon dioxide  
and high-purity chlorosilanes using rhodamine 6G.  
I. P. Alimarin and others. Zhur. anal. khim. 20 no. 3:  
339-342 '65.

Microfluorometric study of radiation injuries of the  
macromolecules in the infusional Tetrahymena pyriformis.  
A. A. Zolnikov. Dokl. AN SSSR 162 no. 1:  
944-946 Je '65.

## FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLUORSPAR see subdivision under Gissar Range,  
Karategin Range

## FLUORSPAR CRYSTALS

Luminescence and absorption of trivalent neodymium in  
fluorite type crystals. I. A. E. Kariss, M. N. Tolstol,  
P. P. Fedotov. Opt. i spektr. 18 no. 3:410-445 Mr  
'65.

## FLUOZIRCONATES

Fusibility of systems containing potassium fluozirconate  
and fluoborate. F. A. Polishchuk. Ukr. khim. zhur.  
30 no. 6:553-557 '64.

## FLUX (METALLURGY)

Flux for the melting of bronze. I. A. M. Shtarulidze,  
Sh. S. Katsitadze, M. M. Bozala. Lit. proizv. no. 6:  
36 Je '64.

FLYSCH see subdivision under Ural Mountains;  
Uzhok Pass

## FOAM

Foam damper on an organosilicone base for clay muds.  
A. I. Bereznoi and others. Buende no. 3:16-17 '64.

## FOAMED MATERIALS

Production of foamed slag pumice "thermozit". A. G.  
Romanenko. Metallurg 10 no. 3:10-11 Mr '65.

## FOAMING

Height of the initial layer of highly foaming liquids on  
the grids of foam scrubbers. M. E. Pozin, E. I. A.  
Taral, I. M. St. Izv. vys. ucheb. zav.; khim. i khim.  
tekhn. 7 no. 6:1007-1009 '64.

## FOG

Study of the attenuation and scattering of light in natural  
fog due to its microphysical properties. O. D. Baiteneva,  
E. A. Poliakova. Izv. AN SSSR, Fiz. atm. i okeana 1  
no. 2:193-207 F '65.

## FOLDS (GEOLOGY)

(see also subdivision under Crimea, Gissar Range,  
Mangyshlak Peninsula; Russian Platform, Siyash,  
Ural Mountains; Yenisey Range)

Main periods of folding and megastages in crustal develop-  
ment. M. V. Muratov. Geotektonika no. 1:6-29 Ja-F  
'65.

## FOLIAR FEEDING

Exudation and absorption of P<sup>32</sup> by pine and birch roots  
under foliar feeding in pure and mixed stands. A. I.  
Mashinskii. Agrokhimia no. 3:91-96 Mi '65.

## FOLK SONGS see subdivision under Estonia

## FOLKLORE

Chernov, V. I. [Philosophy and folklore] Filosofiya  
i folklor. Saratov, Povolzhskoe knizhnoe izd-vo,  
1961, 151 p.

## FOLKLORE, SLAVIC

Folklore studies in Slavic countries. R. Putlov. Vop.  
lit. 9 no. 4:226-230 Ap '65.

## FOOD—ANALYSES

Methods of determining the bread content in ground-meat  
dishes. M. G. Khmeleva, E. D. Sterozhuk. Vop. pit.  
23 no. 5:81 S-O '64.

## FOOD—MICROBIOLOGY

Microbiological characteristics of factors transmitting  
typhoid fever and paratyphoid in Leninabad and its  
vicinity. V. L. Lelikov, L. A. Apostoli. Trudy TSU  
68:65-67 '64.

## FOOD—PRESERVATION

Equipment, technology and calculations for the intensive  
smoking of food. A. T. Bocharov. Izv. vys. ucheb.  
zav., fizich. tekhn. no. 1:121-126 '65.

## FOOD—STERILIZATION

Investigating a jet heat exchanger A. N. Chernigov  
Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:131-154 '65

## FOOD—TABLES, CALCULATIONS, ETC.

Chart for the determination of the chemical composition and caloric content of daily rations. G. K. Maksimov.  
Voen.-med. zhur. no. 8:79-91 '64

## FOOD—TAXATION

Kolosov, A. G., K. S. Titov, and T. I. Freiman [Turnover tax on food products] Nalog s otkr. na prod. i sht. nym tovaram. Moskva, Finansy, 1965. 213 p.

## FOOD, CANNED

Mass production canned food N. V. Zaitseva. Khar. prom. no. 2:31-34 Ap-Je '65  
Trilonometric determining of copper salt content of canned food M. S. Berkh, M. S. Ustinova. Kons. i o. prom. 20 no. 4:40-41 Ap '65

## FOOD, CANNED—ANALYSES

Determining the corrosion of metal and alloys in food media D. A. Odetskiy. Kons. i o. prom. 20 no. 3:28-30 My '65  
Determining the micro-impurities of heavy metals in canned food, M. F. Fotajev. Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:170-173 '65

## FOOD, CANNED—MICROBIOLOGY

Development of toxigenic strains of a Clostridium perfringens culture in canned food S. A. Nikolaeva, N. N. Mazokhina. Vop. pit. 23 no. 5:71-74 S-O '64

## FOOD, CANNED—STERILIZATION

Comparative characteristics of continuous sterilizers P. P. Timokhovich. Kons. i o. prom. 20 no. 4:1-10 Ap '65

Intensification of the sterilization methods of canned food and their scientific basis B. L. Flaumenbaum. Kons. i o. prom. 20 no. 4:10-17 Ap '65

Lemarin'e, K. P. [Aseptic preservation of food] Asepticheskie konservirovaniye pishchevyykh produktov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 46 p.

[MICROFILM]

## FOOD, DRIED

Genin, S. A. [Methods for the production of dehydrated foods requiring no cooking] Sposoby proizvodstva sushennykh produktov, ne trebuiushchikh varki. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 53 p.

[MICROFILM]

## FOOD, ENRICHED

Milk enriched bread, A. G. Beschastnov and others. Khleb. i kond. prom. 9 no. 5:12-13 My '65.

Moscow, TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Vitaminization of food for mass consumption] Vitaminizatsiya pishchevyykh produktov massovogo potrebleniya. Moskva, 1964. 41 p.

[MICROFILM]

## FOOD, FROZEN—PACKAGING

Packaging of frozen fruit and tomato juice in cartons D. M. Gambarin and others. Kons. i o. prom. 20 no. 5:9-12 My '65

## FOOD INDUSTRY

Determining the economic efficiency of a complex utilization of raw materials. V. N. Rybachuk. Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:8-11 '65.

Inter-republic conference on the overall utilization of raw materials. Mias. ind. SSSR 36 no. 2:63 '65.

Put light and food industry enterprises faster into operation. V. Diadin. Fin. SSSR 39 no. 5:54-58 My '65.

Ukrainian seminar on the use of ferment preparations in the food industry. F. K. Lysenko. Khar. prom. no. 2:75. Ap-Je '65

## FOOD INDUSTRY—ACCOUNTING

see subdivision under Leningrad

## FOOD INDUSTRY—COMMUNICATION SYSTEMS

Long distance transmission of information on production indices by means of light signals. V. F. Lomakin, B. M. Butenko. Khar. prom. no. 2:16-20 Ap-Je '65.

## FOOD INDUSTRY—MANAGEMENT

(see also subdivision under Bryansk)

Combining in a condition for improving the efficiency of production, based on the example of the food industry K. Filatov. Nauch. dokl. vuz. shkoly, ekon. nauki 8 no. 3:77-84 '65

## FOOD INDUSTRY—QUALITY CONTROL

Widen the roads for the introduction of the system of defectless production V. P. Streikova, M. G. Voloskova. Maslozhir. prom. 31 no. 4:34-35 Ap '65.

## FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Estonia)

All-Union conference of the representatives of the scientific and technological information services of the food industry A. K. Chernoguz. Izv. vuz. uch. b. zav., pishch. tekhn. no. 2:190-191 '65

Fourth All-Union Public Inspection of the Fulfillment of the Research Work Plans and Application of the Achievements of Science and Technology in the National Economy. Kons. i o. prom. 20 no. 4:42-43 Ap '65

In the Scientific and Technical Society of the Food Industry. Form. i spl. i. prom. 31 no. 3:44-46 '65

## FOOD MACHINERY

Construction shortcomings of the PM-200 grinder.

A. Belousov. Mias. ind. SSSR 36 no. 2:22-23 '65.

Machine for macaroni cutting A. F. Mal'tsev, S. A. Batakov. Khleb. i kond. prom. 9 no. 3:27-29 Mr '65

Moscow, TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Polymer coatings in the food industry, materials of a seminar] Polimernye pokrytiya v pishchevoi promyshlennosti, materialy seminarov. Moskva, 1963. 46 p.

[MICROFILM]

Movement of free flowing products through an inclined drum. V. Ia. Valutskii. Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:139-143 '65

New designs of machinery for the thermal processing of sausages. V. Gavrilova. Mias. ind. SSSR 36 no. 2:18-22 '65.

Studying the hydrodynamics and mass transfer in rotary apparatus. I. M. Anoshin, G. V. Fol'skii. Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:144-150 '65

## FOOD MACHINERY—DESIGN AND CONSTRUCTION

Determining the optimum diameter of stuffing conveying pipes. A. V. Gorbatov, M. B. Danchenkov. Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:12-15 '65.

## FOOD MACHINERY—EXHIBITIONS

Prices awarded at the Exhibition of Achievements of the National Economy of the U. S. S. R. V. Ageeva. Mias. ind. SSSR 36 no. 2:24-26 '65.

## FOOD MACHINERY—PATENTS

Soviet certificates of invention. Khar. prom. no. 2:57-59 Ap-Je '65

## FOOD MACHINERY—TESTING

Studying the process of the forming of pressure in a screw press. A. V. Ivanenko. Izv. vuz. uch. b. zav., pishch. tekhn. no. 1:161-165 '65.

## FOOD POISONING

Some problems in the clinical picture and diagnosis of alimentary toxoinfections, a review of literature S. F. Karluk. Voen.-med. zhur. no. 7:28-33 '64.

## FOOD PRESERVATIVES

Hygienic properties of some food preservatives. A. D. Ignat'ev. Vop. pit. 23 no. 5:8-12 S-O '64.

Ovcharova, T. P. [Sorbic acid as food preservative] Sorbinovaya kislota — konservant pishchevyykh produktov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 44 p.

[MICROFILM]

## FOOD SUPPLY

Population, food and the earth. V. L. Andronikov. Priroda 54 no. 4:54-63 Ap '65

## FOOT—FRACTURE

Directed antibiotic treatment in open fractures of the small tubular bones of the foot and hand. S. F. Vasil'ev. Ortop., travm. i protez. 26 no. 2:58-60 F '65.

## FOOT-AND-MOUTH DISEASE

Improving the method for mining virus-containing tissues. N. V. Likhachev and others. Vop. vet. virus. 1:88-91 '64.

Use of diffuse precipitation reaction in foot-and-mouth disease. N. K. Oleinik, A. I. Dudnikov. Vop. vet. virus. 1:182-189 '64.

## FOOT-AND-MOUTH DISEASE—MICROBIOLOGY

Accumulation and multiplication of foot-and-mouth disease viruses in the blood of animals. S. I. Berulava. Vop. vet. virus. 1:214-219 '64.

Electron microscope study of the virus of foot-and-mouth disease. G. A. Krasnikov. Vop. vet. virus. 1:95-102 '64.

Morphological and cytochemical characteristics of the tissue culture of a calf kidney infected by the virus of foot-and-mouth disease. V. F. Sushkov, E. V. Labetskii, V. A. Sergeev. Vop. vet. virus. 1:142-147 '64.

Morphological and functional changes in blood and bone marrow cells of chicken embryos infected with the virus of foot-and-mouth disease. I. G. Grinets. Vop. vet. virus. 1:155-164 '64.

Morphological and histochemical changes in the survived tongue epithelium of cattle infected with the virus of foot-and-mouth disease. L. M. Pichugin, S. F. Chevelev. Vop. vet. virus. 1:148-154 '64.

Nitrogen metabolism in the culture of the survived tongue epithelium of cattle in the process of the reproduction of the virus of foot-and-mouth disease. L. A. Kopteva, D. A. TSaverkalov, R. I. Mel'nik. Vop. vet. virus. 1:176-180 '64.

Nitrogen metabolism in the tissue culture of a cattle kidney during the process of the reproduction of the virus of foot-and-mouth disease. L. A. Kopteva, D. A. TSaverkalov, G. E. Pankova. Vop. vet. virus. 1:166-175 '64.

Producing purified preparations of the virus of foot-and-mouth disease from various animal tissues using chloroform. N. V. Klenina, E. P. Lebedeva, V. S. Antonov. Vop. vet. virus. 1:196-202 '64.

Purification of the virus of foot-and-mouth disease using askanigel. S. I. Berulava. Vop. vet. virus. 1:203-208 '64.

Purifying the lipinized virus of foot-and-mouth disease. M. M. Vorob'eva. Vop. vet. virus. 1:100-105 '64.

Reaction of tissue cultures to X-rays irradiation following their infection with the virus of foot-and-mouth disease. V. F. Sushkov, V. I. Rjabov, O. N. Karpov. Vop. vet. virus. 1:67-74 '64.

Reproduction of type A foot-and-mouth disease virus in a suspension of the kidney cells of cattle. A. A. Stuklunin, I. S. Kuchmasov, M. S. Stuklunina. Vop. vet. virus. 1:178-181 '64.

Susceptibility to the foot-and-mouth disease virus of the cultures of some tissues grown in a culture medium containing Hattenger's hyaluronate. G. E. Pankova. Vop. vet. virus. 1:7-8 '64.

Use of the cultured virus of foot-and-mouth disease for the production of vaccines and diagnostic preparations. R. I. Mel'nik and others. Vop. vet. virus. 1:104-137 '64.

Virulent, immunogenic, and complement fixation characteristics of the virus of foot-and-mouth disease. E. I. Salzhov and others. Vop. vet. virus. 1:200-213 '64.

## FOOT-AND-MOUTH DISEASE—PREVENTIVE INOCULATION

Experimental anti-foot-and-mouth disease virus vaccine made by the State Scientific Control Institute for Veterinary Preparations and the results of its use on fairs. N. S. Likhachev and others. Vop. vet. virus. 1:220-226 '64.

Use of the virus neutralization reaction in the culture of the kidney tissue of baby rabbits for evaluating the immunity against foot-and-mouth disease. A. A. Svirlidov. Vop. vet. virus. 1:227-232 '64.

## FORAGE PLANTS

(see also subdivision under Ashkhabad region)

Polygonum corollatum, a new forage plant. V. P. Mikhailova, O. U. Lashpa. Izv. AN Kazakh. SSR, Ser. Biol. nauk 3 no. 2:28-35 Mr-Ap '65.

## FORAGE PLANTS—WATER REQUIREMENTS

Economic evaluation of the drainage rate of bogs for forage plants. L. B. Lyalin. Trudy VNIICHM 4:136-42 '61.

## FORAMINIFERA, FOSSIL

(see also subdivision under Uzbekistan)

Degree of knowledge and ways for the further study of Tertiary foraminifera. N. A. Voloshinova. Vop. mikropaleont. no. 8:3-12 '64.

Evolution of some species of Marginulina and methods for studying them. K. I. Kuznetsova. Vop. mikropaleont. no. 8:94-99 '64.

Kollokvium po mikrofaune neogena SSSR. 1-2. Kiev, 1962. [Decision of the First Colloquium on neogene Microfauna of the U. S. S. R.] Postanovleniye. Otv. red. V. Ia. Dikovskii. Kiev, Akad. nauk USSR, 1962. 7 p.

[MICROFILM]

New data on the morphology and evolutionary development of some representatives of the family Elphidiidae. N. A. Voloshinova, V. N. Kuznetsova. Vop. mikropaleont. no. 8:138-153 '64.

New species from the family Textulariidae (foraminifera). N. D. Arupova, I. S. Suleimanov. Nauch. trudy TashGU no. 249. Geol. nauki no. 21:228-229 '64.

Present status of the studies of the order Endothyrida. E. A. Reitlinger. Vop. mikropaleont. no. 8:30-52 '64.

Shell structure and the ontogenetic development of Paleogene orbitolids. L. V. Baniukirov. Vop. mikropaleont. no. 8:175-189 '64.

Significance of some morphological characteristics of the genus Cyclammina for taxonomy as revealed by a study of Cyclammina cancellata Brady. M. Ia. Serova. Vop. mikropaleont. no. 8:17-20 '64.

Significance of the foraminifera of the open tropic basins of the Danian and Paleogene period for the development of the international stratigraphic scale. V. S. Krashennikov. Vop. mikropaleont. no. 8:190-213 '64.

Some changes in the system of the order Rotallida (Foraminifera). Z. G. Shechedrina. Vop. mikropaleont. no. 8:91-101 '64.

Some species criteria of Nummulitinae. M. Ia. Arisova. Vop. mikropaleont. no. 8:168-174 '64.

Species criteria of the Lower Paleogene representatives of the genus Globigerina. E. K. Shutskaia. Vop. mikropaleont. no. 8:118-137 '64.

## FORAMINIFERA, FOSSIL (Continued)

Taxonomic significance of some morphologic characteristics of the representatives of the subfamily Nummulitinae B. T. Golov. Vop mikropaleont. no. 8:151-167 '64

Taxonomy and phylogeny of Globotrituncidae N. I. Maslunkova. Vop mikropaleont. no. 8:102-117 '64.

## FORAMINIFERA, FOSSIL—CLASSIFICATION

Taxonomy and principles of distinguishing Marginulina and Marginulinopsis V. A. Basov. Vop mikropaleont. no. 8:76-83 '64

## FORCE AND ENERGY

Energy cumulation and its limits. I. I. Zababakhin. Usp. fiz. nauk. 85 no. 4:721-726 Ap '65

Role of the Antarctic in the energy balance of the earth's atmosphere. P. D. Aantapenko, V. S. Savonichev. Inform. biul. Sov. antark. eksp. no. 50:8-12 '64

## FOREIGN EXCHANGE

(see also subdivision under Africa)

Problem of international liquidity and the foreign exchange contradictions of capitalism. K. Chizhov. Fin. SSSR. 99 no. 5:79-85 My '65.

Rates of foreign exchange L. Zhdanova. Mirova. ekonomika. no. 6:131-133 '65.

## FORENSIC CHEMISTRY see Chemistry, Forensic

## FORENSIC ORATIONS

N. V. Krylenko as forensic orator. I. Adamov. Sov. Iust. 29 no. 10:28-30 My '65.

## FORENSIC PSYCHIATRY

Dynamics of electroencephalographic indices in reactive states in the course of illness T. D. Filimonova. Sud.-med. ekspert. 8 no. 1:33-39 Ja-Mi '65.

Results of catamnestic examination of schizophrenics having committed socially dangerous actions. V. M. Shumakov. Sud.-med. ekspert. 8 no. 1:40-44 Ja-Mi '65.

## FORENSIC PSYCHOLOGY see Psychology, Forensic

## FOREST ECOLOGY

(see also subdivision under Kilm-Dmitrov Ridge)

Growth of larch in mixed plantations of various composition. A. G. Zyriaev. Sbor. rab. po les. khoz. no. 46:114-120 '63.

## FOREST INFLUENCES

(see also subdivision under Russia, Northwestern)

Effect of shelterbelts on wind regime, snow distribution, freezing and thawing of soil in a dissected relief. G. S. Bobrov. Sbor. nauch.-issl. rab. VNIILMI no. 28:8-11 '60

## FOREST INSECTS see subdivision under Saratov Province

## FOREST LITTER

(see also subdivision under Kamyshlin District)

Dynamics of the physical and chemical properties of filtrates of spruce, birch and aspen litter. A. A. Sokolov. Sbor. rab. po les. khoz. no. 46:101-113 '63

## FOREST NURSERIES see subdivision under Siberia

## FOREST PRODUCTS see subdivision under Canada

## FOREST PRODUCTS—LAWS AND LEGISLATION

Certain legal problems concerning the supplying of the economy with forest products. M. M. Rovinskii. Sov. gos. i pravo. 35 no. 5:81-80 My '65

## FOREST REPRODUCTION see subdivision under Kallnin Province

## FOREST ROADS

Borisov, L. V., and others. [Use of precast reinforced concrete in the construction of automobile roads for hauling lumber; materials for a conference] Pimenenie sbornogo zhelezobetona na stroitel'stvo avtomobil'nykh dorog dlia vyvozki lesa; materialy k soveshchaniyu. Moskva, TSentr. nauchno-issl. in-t mekhanizatsii i energotiki lesnoi promyshl., 1964. 71 p. [MICROFILM]

## FOREST SOILS see subdivision under Central Chernozem region; Tajikistan

## FOREST THINNING—EQUIPMENT AND SUPPLIES

Mechanization of forest improvement cuttings. A. A. Laubgan. Sbor. rab. po les. khoz. no. 46:31-58 '63.

## FORESTRY ENGINEERING

New developments into production. V. Shulukhin. Inform. biul. VDNKII no. 4:16 Ap '65.

## FORESTS AND FORESTRY

(see also subdivision under Vologda Province; Yunnan Province, China)

[Forestry and forest management] Ref. zhur., L. Sosoyed, i lesovod. no. 6 Je '65. Avtorskii ukazatel' za 1964 g. Predmetnyi ukazatel' za 1964 g.

Prokof'ev, M. N. [Forest plantations on concentrated cuttings] Lesnye kul'tury na kontsentrirovannykh vyrubkakh. Moskva, Lesnaya promyshlennost', 1964. 144 p. (DNAL)

## FORESTS AND FORESTRY—MENSURATION

Ivanuta, V. M. [Valuation mensuration of forests] Izmeritel'naya taksatsiya lesa. Moskva, Lesnaya promyshlennost', 1964. 147 p. (DNAL)

## FORESTS AND FORESTRY—VALUATION

Ivanuta, V. M. [Valuation mensuration of forests] Izmeritel'naya taksatsiya lesa. Moskva, Lesnaya promyshlennost', 1964. 147 p. (DNAL)

Precision of the angular method of forest valuation. L. P. Zaitchenko. Sbor. rab. po les. khoz. no. 46:4-7 '63.

## FORGE SHOPS—EQUIPMENT AND SUPPLIES

Equipment for removing scrap from a forge shop

L. A. Ullsov. Avt. prom. 31 no. 4:13-11 Ap '65

Progressive work methods in forge shops. N. P. Petrov. Kuz.-shtam. proizv. 7 no. 3:43-44 Mr '65

## FORGING

(see also subdivision under Odessa)

Characteristics of flashless forging. B. M. Roshetov, V. V. Bogomolov. Kuz.-shtam. proizv. 6 no. 12:43-44 D '61.

Computing dimensions of initial billets in sectional forging of disks. S. A. Skorokhmov, E. I. Semenov. Kuz.-shtam. proizv. 6 no. 12:11-15 D '64.

Dynamic processes in a hydraulic press during a momentary reduction of the working load B. P. Vasil'ev. Kuz.-shtam. proizv. 7 no. 3:27-33 Mr '65.

Effect of the shrinkage of forged metal on the accuracy of forgings. A. I. A. Nuzov. Avt. prom. 31 no. 5:43-44 My '65.

Establishing thermomechanical conditions of the plastic deformation of metals P. F. Ivanushkin and others. Kuz.-shtam. proizv. 7 no. 1:19-21 Ja '65.

Expansion of the closed-die forging on crank presses B. V. Morokvin. Avt. prom. 31 no. 4:38-10 Ap '65

Improving the accounting in forging production. I. T. Atseyevskii. Bukhg. uch. 22 no. 4:20-23 Ap '65.

Improving the forging technology of L137BU alloy. B. N. Kazarinov, I. A. B. Okhrimenko. Kuz.-shtam. proizv. 6 no. 12:1-5 D '63.

Liquid steel forging of parts. I. U. F. Chernyi, L. A. Zubov. Kuz.-shtam. proizv. 7 no. 1:21-25 Ja '65.

Making forgings at the forge of the Moscow plant of small cylinder capacity automobiles. M. G. Reiner. Kuz.-shtam. proizv. 7 no. 3:37-42 Mi '65

Method of calculating the economic efficiency of the organization of an alternating continuous line for making turbine-blade forgings K. M. Velikanov, N. T. El'molaeva. Trudy LPI no. 244:74-84 '65

New technology of the free forging of plate-type forged parts. N. E. Sidorov. Kuz.-shtam. proizv. 7 no. 1:17-48 Ja '65.

Precision flashless upsetting of bolt heads and similar parts. A. M. Gaev. Kuz.-shtam. proizv. 6 no. 12:39-41 D '64

Stresses and unit pressures during forced metal flowing into corners of closed dies. A. Z. Zhurnov. Izv. vuz. ucheb. zav. i Chern. met. 8 no. 5:112-118 '65

Technological variants of drop forging on crank presses using direct extrusion. N. L. Sokolov, A. M. Smarov. Kuz.-shtam. proizv. 7 no. 1:1-5 Ja '65.

Upsetting a semiaxle casting flange on a GKM unit. I. K. Romashkin. Kuz.-shtam. proizv. 7 no. 1:15-46 Ja '65.

Use of electromagnetic blocks. N. I. Tkach, M. V. Deripaska. Kuz.-shtam. proizv. 6 no. 12:43-44 D '64.

FORGING—COMPETITIONS

Results of a competition. Kuz.-shtam. proizv. 7 no. 3:48 Mr '65

## FORGING—EQUIPMENT AND SUPPLIES

Morozov, A. P. [Making dies for forging] Izgotovleniye shtampov dlia gorachel' shtampovki. Moskva, Mashinostroenie, 1965. 163 p.

## FORGING MACHINERY

(see also subdivision under Leningrad)

Introducing rubber rings for sealing pistons in drop hammers. B. G. Torekhov. Kuz.-shtam. proizv. 6 no. 12:20-22 D '64.

Mansurov, A. M. [Mechanization and automation in forging] Mekhanizatsiya i avtomatizatsiya v kuznechnom proizvodstve. Moskva, Mashinostroenie, 1965. 211 p.

Mechanization of processes in a semiautomatic forging unit. V. F. Kovalenko. Kuz.-shtam. proizv. 6 no. 12:45 D '64.

## FORGING MACHINERY—TESTING

Dynamic study of the force distribution pattern of an A74 automatic machine. G. A. Navrotskii, V. I. A. Osinnikh. Kuz.-shtam. proizv. 7 no. 3:21-27 Mr '65.

Methods of determining the efficiency of the impact forging machine B. S. Perevozchikov. Inform. 7 no. 3:15-21 Mi '65

## FORK LIFT TRUCKS

The TSh-182 electric fork-lift truck. M. P. Blud. Inform. -ekon. inform. Gos. nauch.-issl. i tekhn. inform. 18 no. 2:43-56 F '65

## FORMALDEHYDE

Reducing formaldehyde and simple amines fabrics with cross-resistant finish. L. I. N. F. Solov'ev. Tekst. prom. 25 no. 3:54

## FORMAMIDE

Potentiometric acid-base titration in dimethyl N. P. Dzuba, N. A. Izmailov. Ukr. khim. z. no. 4:403-108 '65

## FORMIC ACID

Condensation of unsaturated ethyl ethers of formic acid with orthoformic ester. G. S. Tsel' B. M. Mikhailov. Izv. AN SSSR. Ser. khim. 563 '65.

## FORMIC ACID CRYSTALS—SPECTRA

Structure of the OH band in crystalline formic acid L. I. Maklakov, V. N. Nikitin. Opt. i spekt. 509-510 Mr '65

## FORMS (MATHEMATICS)

Transformation of triorthogonal quadratic a dimensional non-Euclidean spaces R. M. I. Izv. vuz. ucheb. zav. i mat. no. 2:45-57 '65

## FORMS, QUADRATIC

New examples of four-dimensional manifold Rukhlin. Dokl. AN SSSR. 162 no. 2:273-27

## FORTIFICATIONS, OLD see subdivision under Daghestan

## FOSSIL ALGAE see Algae, Fossil

## FOSSIL DIATOMS see Diatoms, Fossil

## FOSSIL FORAMINIFERA see Foraminifera, Fossil

## FOSSIL MARMOTS see Marmots, Fossil

## FOSSIL OSTRACODA see Ostracoda, Fossil

## FOSSIL POLYZOA see Polyzoa, Fossil

## FOSSIL SPONGES see Sponges, Fossil

## FOULING OF SHIP BOTTOMS

Inventor's against fouling. G. Smirnov. Izv. AN SSSR. 5:20-22 '65.

## FOUNDATIONS

Bratt, P. I. [Surveying methods for measurement of foundations and structures] Geode. metody izmereniya deformatsii osnovanii i konstruktsii. Moskva, Nedra, 1965. 297 p.

Calculating columnar foundations of bridge with operational loads. K. S. Zavriv. Tr. i issled. 56:115-120 '65

Calculating the settling of foundation beds taking consideration the influence of adjacent soil. I. Rozentfeld. Prom. stroit. inzh. soor. 6 Mi-Ap '61.

Processes of the formation and realization of friction along the lateral surface of a foundation in sandy soil. I. I. Koval'ev. Tr. i issled. 56:109-104 '65

Study of the forces of resistance of the longitudinal shear of a column embedded in rock. N. M. Trudy TSNIIS no. 56:176-181 '65

Study of the stability and deformability of the soil system P. G. Chizhikov. Trudy TSNIIS no. 56:134 '65.

TSylovich, N. A. [Theory and practice of foundation construction] Teoriya i praktika stroitel'stva i ustroystva fondamentov. Moskva, Stroizdat, 1964. 82 p.

Study of the forces of resistance of the longitudinal shear of a column embedded in rock. N. M. Trudy TSNIIS no. 56:176-181 '65

Study of the stability and deformability of the soil system P. G. Chizhikov. Trudy TSNIIS no. 56:134 '65.

TSylovich, N. A. [Theory and practice of foundation construction] Teoriya i praktika stroitel'stva i ustroystva fondamentov. Moskva, Stroizdat, 1964. 82 p.

Study of the forces of resistance of the longitudinal shear of a column embedded in rock. N. M. Trudy TSNIIS no. 56:176-181 '65

Study of the stability and deformability of the soil system P. G. Chizhikov. Trudy TSNIIS no. 56:134 '65.

TSylovich, N. A. [Theory and practice of foundation construction] Teoriya i praktika stroitel'stva i ustroystva fondamentov. Moskva, Stroizdat, 1964. 82 p.

## FOUNDING

Casting ingots of light alloys with electronic stirring of the melt in a crystallizer. B. I. Mag. gidr. no. 1:123-128 '65.

Effect of diffusion processes on the formation of intermediate compounds during the interaction of mold material. V. A. Vasil'ev. Izv. vuz. ucheb. zav. i Chern. met. no. 4:145-150 '65

Present state of the manufacture of electric arc furnaces. N. I. Kobelov, V. S. Kushel'man. Trudy LPI no. 244:74-84 '65

Reducing the bushings of turbodrill blades by casting in ceramic molds obtained by hot pressing. S. S. Khachaturov, F. D. Ovlenko. Trudy LPI no. 244:74-84 '65



## FRICION MATERIALS

Investigations in the field of friction materials.  
Report no. 1. I. M. Fedorchenko, I. I. Fannali, G. M.  
Derkachova. Porosh. met. 5 no. 5:64-67 My '65.

Seizing in case of dry friction between pure metals and  
their alloys. M. I. Ametov. Izv. vys. ucheb. zav.,  
met. 1: 64-78 no. 3:95-96 '65.

FRIT FLIES see subdivision under Kazakhstan

## FRONTAL SINUS

Barofunction of the frontal sinuses in pilots. I. U. K.  
Revskoi. Voenn.-med. zhur. no. 8:65-67 '64.

## FRONTS (METEOROLOGY)

Mesostructure of frontal precipitation. A. I. Romov.  
Meteor. i gidrol. no. 6:19-23 Je '65.

FROZEN FISH see Fish, Frozen

## FROZEN GROUND

(see also subdivision under Siberia)

Akademiya nauk SSSR, Sibirskoe otdelenie, Institut  
merzlovoedeniya. [Thermal and mechanical processes in  
mining minerals, mining operations in a mass of  
frozen ground] Teplovye i mekhanicheskie protsessy  
pri razrabotke poleznykh iskopayemykh gornye raboty  
v massive merzlykh porod. Moskva, Nauka, 1965.  
268 p.

Basic regularities in various methods of working frozen  
grounds. V. A. Cherkashin. Stroitel. dor. mash. 10  
no. 4:14-16 Ap '65.

Equipment for heating frozen soil. A. M. Gaidash. Avi-  
dor. 28 no. 3:15-16 Mr '65.

Water soluble acids from the oxidized coals of a perma-  
frost zone. N. M. Karavaev, R. A. Vener, K. V.  
Grigor'eva. Dokl. AN SSSR 161 no. 5:1197-1200 Ap  
'65.

## FROZEN GROUND—CONGRESSES

Soveshchanie-seminar po obmenu opytom proektirovaniya  
i stroitel'stva na vechnomerzlykh gruntakh. Iakutsk,  
1961. [Collection of transactions of the Conference-  
Seminar on the Exchange of Experience in Design and  
Construction on Permanently Frozen Ground] Shornik  
trudov. Krasnolarsk, Nauchno-issl. in-t po stroit.,  
1962. 269 p.

FROZEN MEAT see Meat, Frozen

## FRUCTOSIDASES

Beta fructofuranosidase activity in continuous wineclim-  
atization. S. P. Avakiant, I. D. Belousova. Prikl.  
biokhim. i mikrobiol. 1 no. 1:57-65 Ja-T '65.

## FRUIT—ANATOMY

Anatomy of the fruit of *Bumelia* Savi and its similarity  
with the anatomy of fruits of gourd and melon. B. T.  
Matienko. Izv. AN Mold. SSR no. 10:43-53 '63.

## FRUIT—CHEMICAL COMPOSITION

Change in biochemical characters of tomatoes as a result  
of complex intervarietal hybridization. A. A. Ananin,  
E. O. Tarasova. Izv. AN Arm. SSR, Biol. nauki 18 no. 1:  
47-53 Ja '65.

FRUIT—DISEASES AND PESTS see subdivision under  
Turkmenistan

FRUIT—DROUGHT RESISTANCE see subdivision under  
Moldavia

FRUIT—DRYING see subdivision under Moldavia

## FRUIT—MORPHOLOGY

Carpology of *Diptychocarpus strictus* (Fisch.) Trautv.  
as related to heterocarpia. V. E. Avetisyan, V. A.  
Manakian. Izv. AN Arm. SSR, Biol. nauki 18 no. 2:  
47-55 F '65.  
New carpological classification by R. E. Levina. N. N.  
Kaden. Bot. zhur. 50 no. 4:579-581 Ap '65.

## FRUIT—TRANSPORTATION

Efficiency of the preliminary cooling of early fruit and  
vegetables. A. Zhavoronkov. Zakup. sel'khoz. prod.  
no. 5:24-25 My '64.

## FRUIT CULTURE

(see also subdivision under Armenia; Neman Valley;  
Ukraine)

Advice on gardening. V. N. Koldaev. Shkola i proizv.  
no. 5:76-78 My '65.

Kanivets, I. I. [Soil conditions and the growth of poten-  
tial orchard plants; pear, prune, apricot, sweet cherry,  
sour cherry, walnut, and grapevine] Douchovnoye uslo-  
vija i rost mnogoletnikh sadovykh nasazhdenij: gushe,  
silva, abrikos, chereshta, vishnia, gretskij orekh i  
vinogradnaja loza. Kishinev, Kartia moldovenaske,  
1960. 542 p.  
(DNAL)

Use of hydroponics in vegetative propagation of orchard  
plants. M. T. Tarasenko, A. P. Kornatskij, E. G. Sokra-  
tova. Izv. TSKHA no. 5:148-164 '64.

FRUIT CULTURE—RESEARCH see subdivision under  
Dzungarian Alatau; Trans-Ili Alatau

## FRUIT JUICES

Effect of ultrasonic vibrations on fruit and vegetable  
juices. A. I. Zolotova. Izv. vys. ucheb. zav., pishch.  
tekh. no. 1:80-82 '65.  
Sign of the change of fruit juice residues. A. F. Fan-Yung  
(Fan Yung), T. F. Zykina. Izv. vys. ucheb. zav., pishch.  
tekh. no. 1:83-85 '65.

## FRUIT TRADE—FINANCE

Method for analyzing the profitability of the wholesale  
vegetable and fruit trade. M. Smorodin. Bukh. uch. et  
21 no. 10:16-19 O '64.

## FRUIT TREES

Use of fruit species in shelterbelt afforestation. L. S.  
Savel'eva. Sbor. nauch.-issl. rab. VNIAMI no. 20:75-  
78 '60.

FRUIT TREES—DISEASES AND PESTS see subdivision  
under Moldavia

FRUIT TREES—IRRIGATION see subdivision under  
Krasnodar Territory

## FRUNZE—GUIDEBOOKS

Iachub, E. S. [The city of Frunze; a guidebook] Gorod  
Frunze; putevoditel'. Frunze, Kirgizskoe gos. izd-vo,  
1963. 111 p.

## FRUNZE—TEXTILE FACTORIES—DESIGN AND CONSTRUCTION

The city of Frunze, and the workers' dining room. . .  
D. Arkadev. Sov. profsojuzy 21 no. 10:26-27 My '65.

## FUČIK, JULIUS, 1903-1943

Fučikova, Gubla. [My memories of Julius Fučik.  
Autobiographical translation from the Czech] Vospominaniya  
o Juluse Fuchike, Moskva, Politizdat, 1965. 423 p.

## FUEL

All-Union conference on the economy of heat and fuel.  
M. S. Kaminskij. Teploenergetika 12 no. 4:95-96 Ap  
'65.

Construction of the I-B diagram for combustion products  
taking into account the dissociation of CO<sub>2</sub> and H<sub>2</sub>O.  
S. A. Tager, A. S. Smirnov. Teploenergetika 12 no. 5:  
94-95 My '65.

Fuel is the bread of industry. M. Brenner. Kommunist  
42 no. 6:73-81 My '65.

Moscow, Institut goruchikh iskopayemykh. [Chemical  
processing of fuels; chemistry and technology] Khimi-  
cheskaja pererabotka topliv; khimiya i tekhnologiya. Mo-  
skva, Nauka, 1965. 277 p.

## FUEL—CONGRESSES

Fourth Scientific Conference on the Evaporation, Com-  
bustion, and Gas Dynamics of Disperse Systems. D. I.  
Polishchuk. Ukr. fiz. zhur. 10 no. 5:574-576 My '65.

## FUEL PUMPS—PARTS

Averichov, E. P., V. I. Aksinevich, and M. N. Raskin.  
[Reconditioning plunger pairs; practice of the Zaraysk  
Machinery Plant] Vostanovlenie plunzhernykh par; iz-  
opyta raboty Zarayskogo mekhanicheskogo zavoda,  
Moskva, Biuro tekhn. informatsii, 1964. 31 p. (Pera-  
dovot opyt i predlozheniya, Seriya 1. Remont mashinno-  
traktornogo parka)

## FULVIC ACID

Effect of plants and fertilizers on the available humic  
and fulvic acid content of soil. A. P. Lisoval. Agri-  
khimiya no. 4:72-77 Ap '65.

## FUNCTIONAL ANALYSIS

Approximation of functions by polynomials with connec-  
tions. N. I. Chernykh. Dokl. AN SSSR 162 no. 2:200-  
203 My '65.

Commutative algebras of operators in a  $\mathbb{H}_1$  space. M. A.  
Naimark. Dokl. AN SSSR 161 no. 4:767-770 Ap '65.

Convergence of positive functionals and operators. M. A.  
Krasnosel'skij, V. S. Klimov, E. A. Lifshits. Dokl. AN  
SSSR 162 no. 2:258-261 My '65.

Deformation of metric spaces and some associated prob-  
lems in the theory of functions. A. F. Timan. Usp.  
mat. nauk 20 no. 2:53-87 Mr-Apr '65.

Limiting distribution for additive functionals of a sequence  
of sums of independent equally distributed latticed ran-  
dom variables. A. V. Skorokhod, N. P. Stobodentuk.  
Ukr. mat. zhur. 17 no. 2:97-105 '65.

Range of values of certain systems of functionals in the  
class of typically real functions. E. G. Goluzina. Vest.  
LGU 20 no. 7:45-62 '65.

Spectral resolution of arbitrary self-adjoint operators in  
characteristic functionals. R. A. Aleksandrian.  
Dokl. AN SSSR 162 no. 1:11-14 My '65.

Two types of conditionally extremum problems and the  
general approach to their study. V. N. Burov. Ukr.  
mat. zhur. 17 no. 2:107-113 '65.

## FUNCTIONS

Akademiya nauk URSR, Kiev, Institut matematiky.  
[Problems of mathematical physics and the theory of  
functions] Voprosy matematicheskoi fiziki i teorii  
funktsii. Kiev, Izd-vo Akad. nauk URSR, 1964. 2 v.  
(NJP)

Approximation of functions of several variables by integrals  
functions. O. D. Gabissona. Izv. vys. ucheb. zav., mat.  
no. 2:30-35 '65.

Calculation of sums, integrals, and products. V. M.  
Kalinin. Vest. LGU 20 no. 7:63-67 '65.

Positively defined functions on a group of matrices with  
elements from a discrete field. A. A. Kirillov. Dokl.  
AN SSSR 162 no. 3:503-505 My '65.

A recursion relation for numerical functions. A. I.  
Churuk. Ukr. mat. zhur. 17 no. 2:134-136 '65.

Representation of positive definite operator functions.  
M. L. Gorbachuk. Ukr. mat. zhur. 17 no. 2:29-46  
'65.

Some covering theorems for functions regular in multiply  
connected regions. I. P. Mytiuk. Dop. AN URSR no. 5:  
550-554 '65.

Some extremum problems in the theory of schlicht func-  
tions. I. A. Miroshnichenko. Izv. vys. ucheb. zav., mat.  
no. 2:104-109 '65.

Some modifications of the concept of smoothness modulus  
and their applications. V. V. Zhuk. Dokl. AN SSSR  
162 no. 1:10-22 My '65.

Special representations of generalized moments. A. A.  
Nudel'man. Dop. AN URSR no. 5:563-565 '65.

FUNCTIONS—BOUNDARY VALUE PROBLEMS  
Some boundary properties of harmonic and parabolic  
functions. V. N. Monakhov, N. V. Khushnudinova. Trudy  
KAI no. 7:106-132 '62.

## FUNCTIONS—TABLES, ETC

Korobochkin, B. L., and I. A. Filippov. [Tables of  
modified Whittaker functions] Tablitsy modifizirovann-  
nykh funktsii Ul'tekher. Moskva, Vychislitel'nyi tsentr  
AN SSSR, 1965. 321 p. table (insert)

## FUNCTIONS, ANALYTIC

Accuracy of the approximation of periodic analytic  
functions by interpolation trigonometric polynomials with  
equidistant nodes. V. I. Krylov, L. A. Ivanovich. Dokl.  
AN SSSR 9 no. 2:73-76 F '65.

Analytic continuation of the resolvent nucleus of a Schro-  
dinger operator on the spectral parameter and the prin-  
ciple of the limiting amplitude in infinite domains. A. G.  
Ramm. Dokl. AN Azerb. SSR 21 no. 1:3-7 '65.

Application of analytic functions to the problem involving  
straight lines on a plane containing an imaginary double  
Königs net. I. V. Zuev. Trudy KAI no. 7:97-105 '62.

Approximation of functions of certain classes in a complex  
domain. Part 2. V. I. Belyi. Ukr. mat. zhur. 17 no. 2:  
3-16 '65.

Behavior of a holomorphic function near its essentially  
singular point. V. I. Gavrilov. Dokl. AN SSSR 162  
no. 3:491-494 My '65.

A boundary value problem with a displacement for a  
piecewise analytic function. I. S. Rogozhina. Izv. vys.  
ucheb. zav., mat. no. 2:139-151 '65.

Closed ideals in a denumerably normalized algebra of  
integral analytic functions. P. K. Rashevskij. Dokl.  
AN SSSR 162 no. 3:513-515 My '65.

Comparison by growth of linear combinations of func-  
tions from two systems close to each other. A. F.  
Leont'ev. Sib. mat. zhur. 6 no. 2:384-382 Mr-  
Ap '65.

Hartog's theorem in certain normalized fields. M. Sh.  
Stavskij. Dokl. AN SSSR 161 no. 4:776-779 Ap '65.

Indicator of functions of nonintegral order, analytic and  
growing with perfect regularity on a half-plane. M. V.  
Govorov. Dokl. AN SSSR 162 no. 3:495-498 My '65.

Inversion formulas of the basic integral representation  
of p-analytic functions having the characteristic  $p =$   
 $x^k$ . G. N. Polozhii, A. F. Ul'ko. Prikl. mekh. 1  
no. 1:39-51 '65.

Parametric representations of certain classes of functions  
holomorphic in angular regions. S. A. Akopian. Dokl.  
AN Arm. SSR 40 no. 2:71-80 '65.

Reduction to the single-valued type of certain functions  
analytic in a finitely connected region. L. E. Dundu-  
chenko. Mat. sbor. 67 no. 1:3-15 My '65.

Riemann-Carleman's problem for a class of generalized  
analytic functions. V. I. Pokazeev. Izv. AN Kazakh.  
SSR Ser. fiz.-mat. nauk 3 no. 1:72-81 Ja-Apr '65.

Study of boundary value problems for a Tricomi equation  
by methods of the theory of analytic functions. O. M.  
Lemeshevskaia. Izv. vys. ucheb. zav., mat. no. 2:91-98  
'65.

## FUNCTIONS, ANALYTIC—BOUNDARY VALUE PROBLEMS

Limiting values and reversion formula along the sections  
of the main integral representation of p-analytic  
functions with the characteristic  $p = x^k$ . Part 2. G. N.  
Polozhii. Ukr. mat. zhur. 17 no. 2:61-87 '65.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

## FUNCTIONS, CONTINUOUS

Best quadrature formulae for certain classes of func-  
tions. I. I. Dragomirov, R. M. Aliev. Dokl. AN SSSR  
162 no. 1:23-25 My '65.



## FUNCTIONS, CONTINUOUS (Continued)

- One problem of P. I. Ushakov. *Usp. mat. nauk* 20 no. 2 197-200 Mr-Apr '65
- On the problem of the existence of continuous functions. *Usp. mat. nauk* 20 no. 2 201-204 Mr-Apr '65
- Some problems of approximation on sets in a complex plane. *Fiz. Matem. Dokl. AN SSSR* 162 no. 1 21-22 My '65
- Some problems of approximation of the function  $f(x) = \exp(-x^2)$  by polynomials. *Usp. mat. nauk* 20 no. 2 205-206 Mr-Apr '65

## FUNCTIONS, ENTIRE

- Great theorem of Poincaré for integral biharmonic functions. *Usp. mat. nauk* 20 no. 2 159-165 Mr-Apr '65
- Integral over a semidivisor measure and its application to the theory of entire functions. Part 4. A. A. Gol'dberg. *Mat. sb.* 65 no. 3 411-457 Mr '65
- Real integral functions belonging to the class  $W(p)$ . D. A. Rymarenko. *Dokl. AN SSSR* 161 no. 4 774-775 Ap '65.

## FUNCTIONS, MEROMORPHIC

- Univalence of a class of meromorphic functions. P. A. Todorov. *Dokl. AN SSSR* 162 no. 2 285-286 My '65.

## FUNCTIONS, ORTHOGONAL

- Similarity of orthogonal functions in a domain and on its boundary. E. A. Shabat. *Izv. vuzov. matemat.* 10 no. 2 107-110 '65

## FUNCTIONS, PERIODIC

- Generalized differentiation of periodic functions. V. N. Malozemov. *Vest. IGU* 20 no. 7 161-167 '65.

## FUNCTIONS, TRANSCENDENTAL

- General linear variety of elements of the commutation of functions. A. A. Shabat. *Izv. vuzov. matemat.* 10 no. 2 111-112 '65

## FUNCTIONS OF COMPLEX VARIABLES

- Estimates of Hartogs functions of several complex variables. A. F. Shadrov. *Dokl. AN SSSR* 161 no. 4 785-788 Ap '65
- On the theory of functions of several complex variables. [Special chapters of the theory of analytic functions of several complex variables] *Spectral'nye glavy teorii analiticheskikh funktsii mnogikh kompleksnykh peremennnykh*. Moskva, Gos. izd.-to fiziko-mat. lit-ry, 1963 427 p. (VTC)

## FUNCTIONS OF REAL VARIABLES

- Approximation of functions of several variables. A. P. Tikhonov. *Izv. vuzov. matemat.* 10 no. 2 171-187 '65
- Local best approximation of functions by polynomials. I. A. Brudnyi. *Dokl. AN SSSR* 161 no. 4 746-749 Ap '65.

## FUNCTIONS OF SEVERAL VARIABLES

- Differentiable functions of several variables. L. D. Kagan. *Izv. AN SSSR Ser. mat.* 29 no. 2 437-470 '65
- Elustatova, T. A., Kh. R. Suleimanova, and A. S. Shumov. [Problems for a course in higher mathematics] *Skorik zadach po kursu vysshej matematiki*. [Moskva] Vysshaya shkola.

- No. 4. [Vector algebra. Solid analytic geometry. Differential and integral calculation of functions of several variables] *Vektornaya algebra. Analiticheskaya geometriya v prostranstve. Differentsial'noe i integral'noe ischislenie funktsii mnogikh peremennnykh*. Izd. 2. 1962. 204 p. [MICROFILM]

- Embedding theorems for classes of functions with differential properties in the norms of special spaces. A. S. Dzhafarov. *Dokl. AN Azerb. SSR* 21 no. 2 10-14 '65
- Theory of the weight classes of differentiable functions of several variables and its applications to boundary value problems for elliptic equations. I. S. Nikol'skii. *Dokl. AN SSSR* 162 no. 3 510-512 My '65.

## FUNDUS OCULI

- Diagnostic value of the changes in the composition of the cerebrospinal fluid and the fundus oculi in tumors and arachnoiditis of the brain. V. V. Utkin, N. N. Okhrimenko, Zbur. *nevro. i psikh.* 65 no. 5 667-671 '65.

## FUNDUS OCULI—BLOOD SUPPLY

- Vessels of the fundus oculi in pregnancy nephropathy based on photocalorimetric data. N. P. Belov, Akush. *gig.* 40 no. 5 65-69 S-O '64

## FUNERAL RITES AND CEREMONIES see subdivision under Georgia

## FUNGI see subdivision under Ararat Plain; Megri District; Ramatsa

## FUNGI—CULTURES AND CULTURE MEDIA

- Individual factors affecting the development of huminlike substances in a three-member complex. D. Karaguzishev. *Izv. AN Kazakh. SSR. Ser. biol. nauk* 3 no. 2 3-8 Mr-Apr '65.

## FUNGI, PHYTOPATHOGENIC

- A new disease of pear seedlings. I. S. Popushol. *Infek. zab. kul't. rast. Mold.* no. 1 143-144 '62
- Premature desiccation of stone fruit. I. S. Popushol. *Infek. zab. kul't. rast. Mold.* no. 1 5-25 '62

## FUNGICIDES

- Application of activated creolin with the admixture of fungicides for apple scab control, preliminary report. N. N. Selachnik. *Biul. Glav. bot. sada* no. 56 73-76 '64.

## FUNGICIDES—EFFECT ON PLANTS see Plants, Effect of fungicides on

## FUNGUS DISEASES see Mycosis

## FUR-BEARING ANIMALS AS CARRIERS OF DISEASE

- Results of serological examination of commercial fur-bearing animals for toxoplasmosis. V. V. Nelyshevskaya. *Trudy TSU* 68 68-69 '64

## FUR FARMING see subdivision under Kolpashevo region (Tomsk Province); Kostroma Province

## FUR TRADE

- Useful manual. V. Provotorov, I. U. Tatarashkin. *Sov. potreb. koop.* 9 no. 4 63 Ap '65

## FURALDEHYDE

- Yeast adaptation to furaldehyde. G. S. Rodionova and others. *Gidroliz. i lesokhim. prom.* 18 no. 2 3-5 '65

## FURALDEHYDE—THERAPEUTIC USE

- Furacilin therapy in prolonged bacterial carrier state in dysentery. A. F. Podlevskii. *Sov. med.* 20 no. 5 146-148 My '65

## FURAN

- Effect of reaction chain transfer to polymer in the cationic polymerization of oxygen-containing cyclic compounds. B. A. Rozenberg and others. *Vysokom. soed.* 7 no. 1 188-189 Ja '65
- Furan series. Part 34: Synthesis based on  $\beta$ -(2-furyl) ethylamine. K. I. U. Novitskii and others. *Zhur. org. khim.* 1 no. 1 160-162 Ja '65
- Interaction between furan derivatives and acrylic acid chloride. V. G. Glukhovtsev, S. V. Zakharova. *Izv. AN SSSR, Ser. khim.* no. 1 751-753 '65.

## FURFURYL ALCOHOL

- Addition of trifluoroacetates to vinylthynyl- $\alpha$ -furylcarbinol. S. I. Sadykh-Zade, R. Sultanov, B. A. Mamedova. *Dokl. AN Azerb. SSR* 21 no. 2 23-27 '65.
- Photometric determination of high-molecular weight products of autooxidation in furfuryl alcohol. G. N. Cherniava, I. I. Khol'min. *Zhur. anal. khim.* 20 no. 3 375-379 '65

## FURMANOV, DMITRII ANDREEVICH, 1891-1926

- Gorbunov, G. I. Dmitrii Furmanov. Moskva, Politizdat, 1965. 158 p.

- Orientation is needed. I. Eventov. *Vop. lit.* 9 no. 4 212-215 Ap '65.

- Retort of a textualist. B. I. Prokhorov. *Vop. lit.* 9 no. 4 215-218 Ap '65.

## FURNACES

- Combustion of a plane-parallel air and pulverized fuel jet. L. N. Khitrin and others. *Teploenergetika* 12 no. 4 47-52 Ap '65

## FURNACES—SAFETY MEASURES

- Matiukhin, A. N. [Safety manual for cupola furnace operators at enterprises manufacturing mineral wool] *Pamiatka po tekhnike bezopasnosti dlia vagnantschika na predpriatiiakh po proizvodstvu mineral'noi vaty*. Moskva, Stroizdat, 1965. 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- Safety regulations for systems operating on pulverized fuel. B. D. Katsnel'son and others. *Teploenergetika* 12 no. 4 90-93 Ap '65.

## FURNACES, HEAT-TREATING

- Semiautomatic line for the heat treatment of the semi-axes of combines. D. N. Fedorov, T. V. Kovalenko. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 2 31-32 F '65.
- Use of compartment-type furnaces for the heat treatment of high pressure pipe. E. S. Palatnikova. *Metallurg* 10 no. 3 20-30 Mr '65

## FURNACES, HEAT-TREATING—PROTECTIVE ATMOSPHERES

- Improving the design of gas radiator pipes for the heating of heat treatment furnaces with a controlled atmosphere. A. M. Semernin, A. E. Erinov. *Met. i gornorud. prom.* no. 2 42-44 Mr-Apr '65.

## FURNACES, HEATING

- Effect of lithium salts on the oxidation of steel during its heating in flame furnaces. A. I. Vashchenko, A. G. Zen'kovskii, E. I. Mogilevskii. *Izv. vuz. ucheb. zav., Chern. met.* 8 no. 5 186-193 '65.
- Industrial-frequency induction furnaces. E. Khnkashian. *Prom. Arm.* 8 no. 3 38-39 Mr '65.

- Lengthening the life of fire port brickwork. V. I. Pinaev. *Metallurg* 10 no. 3 31 Mr '65

- Shelf-type compartmented electric furnace for heating nonferrous alloy billets. V. V. Petukhov, I. A. Lukhtanov, N. A. Kudin. *Kuz.-shl. prom.* 6 no. 12 31-32 D '64

## FURNACES, HEATING—COST OF OPERATION

- Methods of heating steel billets and their technical and economic comparison. A. A. Prostakov. *Kuz.-shl. prom.* 7 no. 3 31-36 Mr '65

## FURNACES, HEATING—DESIGN AND CONSTRUCTION

- Improvement in the design of the bottom of the TSS heating furnace. *Met. i gornorud. prom.* no. 2 81 Mr-Apr '65.
- Induction furnace for heating slabs. P. P. Mochalov and others. *Tsvet. met.* 38 no. 4 83-86 Ap '65.
- Refractory concrete for heating furnaces. V. K. Kozlov. *Ogneupory* 30 no. 3 15-46 '65.

## FURNACES, HEATING—EQUIPMENT AND SUPPLIES

- Machine for the turning and shifting of pipe in furnaces. *Met. i gornorud. prom.* no. 2 81 Mr-Apr '65.

## FURNITURE—TESTING

- Sukhova, A. V. [Methods for testing furniture for strength and durability] *Metody ispytaniia mebeli na pruchnost' i dolgovечnost'*. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-lumazhnoi, derevoobrabatval'shchei promyshl. i lesnomu khoz., 1964. 47 p. (Derevoobrabatka) [MICROFILM]

## FURNITURE INDUSTRY see subdivision under Karelia; Leningrad; Vladimir Province, White Russia

## FURNITURE INDUSTRY—FINANCE see subdivision under Krimy (Kalinin Province)

## FURNITURE INDUSTRY—QUALITY CONTROL see subdivision under White Russia

## FURNITURE INDUSTRY—RESEARCH

- Survey of the research work of the All-Union Technological Institute of Furniture Planning and Design carried out in 1964. *Dor. prom.* 14 no. 4 16 Ap '65.

## FUSARIUM

- (see also subdivision under Polesya)
- Transformation of digitoxigenin by various fungus species of *Aspergillus* and *Fusarium* genera. P. I. Ivovzhuk. *Mikrobiol. zhur.* 20 no. 3 18-21 '61

## FUSED SALTS

- Behavior of hard metals in fused potassium chloride. A. E. Ushko, S. I. Stepanov, N. G. Bukun. *Izv. AN SSSR. Met.* no. 1 148-150 Ja-F '65.
- Behavior of zirconium dichloride in fused mixtures of alkaline and alkaline earth metals. I. N. Sheiko, V. T. Barchuk. *Ukr. khim. zhur.* 30 no. 6 577-581 '64.
- Chronopotentiometric determination of the diffusion coefficients in fused carbonates. N. Kh. Tumanova. *Ukr. khim. zhur.* 30 no. 6 648-649 '64.
- Determination of the zero points of some solid metals in a fused mixture of NaCl-KCl by measuring the double layer capacity. I. U. K. Demchenko, V. S. Kikhno. *Ukr. khim. zhur.* 31 no. 1 116-117 '65.
- Diffusion of trivalent molybdenum in a medium of fused alkali metal chlorides. M. V. Smirnov, O. A. Ryzhik, G. N. Kazantsev. *Elektrokhimiya* 1 no. 1 50-62 Ja '65.

- Measurement of molar volume of salt in molting, a new variation of the pycnometric method. B. F. Markov, V. D. Pristashnyi, A. F. Polishchuk. *Ukr. khim. zhur.* 31 no. 4 418-420 '65

- Reactions taking place during electrolysis of fused carbonates. I. U. K. Demchenko, V. F. Grishchenko, A. V. Gorodyskii. *Ukr. khim. zhur.* 31 no. 1 32-37 '65.
- Structure and properties of fused salts. E. A. Ushko. *Usp. khim.* 34 no. 2 322-355 F '65.
- Thermodynamic properties of zinc chloride in fused mixtures of  $ZnCl_2$  -  $KCl$  and  $ZnCl_2$  -  $RbCl$ . B. F. Markov, S. V. Volkov. *Ukr. khim. zhur.* 30 no. 6 545-553 '64.

## FUSED SALTS—ELECTRIC PROPERTIES

- Conductance of melts of reciprocal pairs of salts of the system  $K_2CO_3$  -  $CaCl_2$ . Br. B. F. Markov, V. D. Pristashnyi. *Ukr. khim. zhur.* 31 no. 1 117 '65.
- Effect of the nature of fused salt and of the temperature on the properties of a double-electric layer. E. A. Ushko, N. G. Bukun. *Elektrokhimiya* 1 no. 1 113-115 Ja '65.

## FUSEL OIL

- Determining the limits of the water extraction of fusel oil from alcohol-fusel oil-water solutions. V. F. Sukhodol, P. M. Mat'isev. *Izv. vuz. ucheb. zav.; pishch. tekhn.* no. 2 111-116 '65.
- Washing of fusel oil by means of hydrodynamic mixing. A. I. Ivanov and others. *Ferm. i spir. prom.* 31 no. 4 23-24 '65.

## FUSULINIDAE

Genus *Orientoschagerina* A. M. Macleay, 1955. S. P. Shcherbachev. *Vop. mikropaleont.* no. 8:57-59 '64.  
Taxonomic analysis of the structure of the wall of some fusulines on the boundary of the Middle and Late Carboniferous. G. D. Kireeva. *Vop. mikropaleont.* no. 8:53-56 '61.

## FUSULINIDAE—CLASSIFICATION

Revision of the taxonomy of the genus *Schwagerina* and genera close to it. A. N. Anosova and others. *Vop. mikropaleont.* no. 8:60-75 '64.

## FUTER, DAVID SOLOMONOVICH, 1899-1966

David Solomonovich Futur, an obituary. *Zhur. nevro. i psikh.* 65 no. 5:798 '65.

## GABASHVILI, EKATERINA REVAZOVNA, 1851-1938

Tavzhishvili, G. I. [To Ekaterina Gabashvili. Ekaterina Gabashvili. Tbilisi, Nakatuli] 1963. 80 p. [In Georgian]. (MH)

## GADOLINIUM—THERMAL PROPERTIES

Shifting of the Curie point of gadolinium under hydrostatic pressure of up to 35 Kbars. L. D. Livshits, I. U. S. Genshaft. *Zhur. eksp. i teor. fiz.* 48 no. 4:1650-1653 Ap '65.

## GADOLINIUM CRYSTALS—THERMAL PROPERTIES

Anomalous temperature dependence of the coefficient of thermal expansion of the gadolinium single crystal. I. U. V. Ergin. *Zhur. eksp. i teor. fiz.* 48 no. 4:1662-1664 Ap '65.

## GADOLINIUM-IRON ALLOYS see Iron-gadolinium alloys

## GADOLINIUM OXIDES

Isotopic exchange of hydrogen in hydrocarbons on rare-earth oxides. Report 3. Deuterium exchange in hydrocarbons on gadolinium oxide. Kh. M. Minachev and others. *Izv. AN SSSR. Ser. khim.* no. 4:618-625 '65.

## GADYACH DISTRICT—STOCK AND STOCKBREEDING

In study and work. *Zakup. sel'khoz. prod.* no. 5:57-58 My '61.

## GAGARIN, IURII ALEKSEEVICH, 1934-

Gorshkov, V. S., and V. M. Karpushchenko. [From generation to generation.] *Of pokoleniia k pokoleniu*, [Leningrad, Lentsdat, 1964.] 125 p. (NIP)

## GALACTOSE

Isolation in pure form and study of the products of transgalactosylation of *Streptococcus lactis*. S. L. Novykova. *Mikrobiol. zhur.* 27 no. 2:16-17 '65.

## GALAXIES

Distances between star clouds of the Milky Way and the spiral structure of galaxies. E. B. Kostikova. *Astron. zhur.* 42 no. 4:537-542 My-Je '65.

Number of unstable systems among triple stars and galaxies. T. A. Agekin, Zh. P. Anosova. *Uch. zap. LGU* no. 236:103-117 '64.

Radio radiation from galaxies at the wavelength of 32 cm. V. N. Kuril'chik, G. A. Sytsko. *Astron. zhur.* 42 no. 3:531-536 My-Je '65.

Spiral arms and interacting galaxies. S. B. Pikel'mer. *Astron. zhur.* 42 no. 3:516-526 My-Je '65.

## GALICIA—EMIGRATION AND IMMIGRATION

Emigration of the Ukrainians of western Galicia to Russia, 1892. I. Shcherbatuk. *Ukr. ist. zhur.* 8 no. 6:101-103 N-D '64.

## GALLBLADDER

Morphology of the gallbladder in opisthorchosis. T. A. Shmyrova. *Arkhi. pat.* 27 no. 4:40-45 '65.

## GALLBLADDER—CANCER

Results of the treatment in cancer of the gallbladder. A. V. Dorogina. *Vest. khir.* 93 no. 12:32-35 D '64.

## GALLBLADDER—DISEASES

Acute phlegmonous cholecystitis in a 5-year-old boy. G. I. Polianskii. *Vest. khir.* 93 no. 12:93-94 D '64.

Acute postoperative cholecystitis. N. I. Bilinov, G. A. Iakovleva. *Vest. khir.* 92 no. 6:9-12 Je '64.

Characteristics of the treatment and therapeutic tactics in acute cholecystitis in elderly persons. V. S. Veselov. *Sov. med.* 28 no. 1:57-61 Ja '65.

Expedient methods for the administration of tetracycline in treating chronic cholecystitis. V. R. Sobolev, V. A. Galkin, N. S. Brodnova. *Antibiotiki* 10 no. 2:173-178 F '65.

Experience in the surgical treatment of cholecystitis and its late results. G. N. Chalkovskii. *Vest. khir.* 93 no. 12:24-29 D '64.

Late results of surgical treatment in cholecystitis. I. I. Zak, I. B. Rozanov. *Vest. khir.* 93 no. 12:29-32 D '64.

Perforating cholecystitis. I. I. Zak, E. M. Perkin. *Trudy TSU* 66:188-192 '64.

## GALLBLADDER—SURGERY

Experience in the surgical treatment of cholecystitis and its late results. G. N. Chalkovskii. *Vest. khir.* 93 no. 12:24-25 D '61.

Indications for cholecystectomy in the combination of cholelithiasis and coronary insufficiency. I. B. Shmelov, B. L. Elkonin. *Trudy TSU* 66:193-199 '64.

Results of the treatment in cancer of the gallbladder. A. V. Dorogina. *Vest. khir.* 93 no. 12:32-35 D '64.

## GALLIC ACID

Complex formation in the systems titanium (IV) - gallic acid - antipyrine and titanium (IV) - pyrogallolcarboxylic acid - antipyrine. S. I. Shnaiderman, E. N. Kizayeva. *Ukr. khim. zhur.* 31 no. 1:27-32 '65.

## GALLINAE—PARASITES see Parasites—Gallinae

## GALLIUM ARSENIDE CRYSTALS

Induced radiation in optically excited gallium arsenide. N. G. Basov, A. Z. Grastuk, V. A. Katulin. *Dokl. AN SSSR* 161 no. 6:1306-1307 Ap '65.

## GALLIUM ARSENIDE CRYSTALS—ELECTRIC PROPERTIES

Effect of copper on the electric properties of gallium arsenide. O. V. Emel'nenko, E. E. Klyuchish, D. N. Nasedov. *Fiz. tver. tela* 7 no. 5:1598-1597 My '65.  
Formation and properties of an impurity zone in n-GaAs. O. V. Emel'nenko and others. *Fiz. tver. tela* 7 no. 5:1315-1323 My '65.

## GALLIUM COMPOUNDS

Synthesis and properties of gallium phthalocyanines. B. D. Borezin. *Izv. vyz. ucheb. zav. i khim. i khim. tekhn.* 7 no. 6:982-980 '64.

## GALLIUM PHOSPHATE—SPECTRA

Infrared absorption spectra and thermal decomposition of gallium hydrogen phosphate  $GaPO_4 \cdot 2, 5 H_2O$ . I. A. Kharitonov, N. N. Chudinova, I. V. Tarashev. *Izv. AN SSSR. Neorg. mat.* 1 no. 1:113-120 Ja '65.

## GALLIUM SELENIDE CRYSTALS

Radiation in a GaSe single crystal induced by fast electrons. N. G. Basov and others. *Dokl. AN SSSR* 161 no. 5:1050 Ap '65.

## GALVANIC SKIN RESPONSE

Changes in the galvanic skin response under the effect of insulin. G. I. U. Volynkin, Sh. M. Zamakhov. *Blud. eksp. i med.* 59 no. 4:14-18 Ap '65.

## GALVANIZING

Determining the optimum current density in producing films by the galvanic method. N. V. Kotelnikov, L. N. Sokolov, V. I. Fadeev. *Izv. AN SSSR. Ser. fiz.* 29 no. 4:647-649 Ap '65.

## GAME AND GAME BIRDS see subdivision under Kurile Islands; Paramushir Island; Shumshu Island; Tarabov Province

## GAMMA GLOBULIN—THERAPEUTIC USE

Globulin immunization of school children to prevent infectious hepatitis. Report No. 1. Reactions following the introduction of gamma globulin. P. T. Trukhan, A. A. Popova. *Zhur. mikrobiol. i epid. i immun.* 41 no. 10:143-144 '64.

## GAMMA MOTH see subdivision under Azerbaijan

## GAMMA-RAY SPECTROMETER

Logging gamma spectrometer with a wide dynamic range of analyzable energies. S. I. Babichenko, A. P. Utekhin. *Iad. prib.* no. 1:182-180 '64.

## GAMMA-RAY SPECTROMETRY

Study of the excited states of  $Rb^{144}$  based on gamma radiation from the  $(n, \gamma)$ -reaction. G. I. Sumbaev and others. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:730-759 My '65.

## GAMMA RAYS

Ionization devices for the measurement of energy in  $\gamma$ -ray beams. A. P. Komar, S. P. Kruglov, I. V. Lopatin. *Med. rad.* 9 no. 7:46-51 Ji '64.

Polarization of gamma rays emitted in the Coulomb excitation of certain nuclei with odd A. D. G. Alkhasov and others. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:787-793 My '65.

Radiation oxidation of poly- $\epsilon$ -caprolactam. A. I. Brodskii and others. *Vysokom. soed.* 7 no. 1:116-122 Ja '65.

Starodubtsev, S. V., and A. M. Romanov. [Interaction of gamma radiation with matter.] *Vzaimodelstvie gamma-izlucheniia s veshchestvom*. Tashkent, Izd-vo "Nauka" UzSSR.

Pt. 1. [Sources of gamma radiation and elementary processes of the interaction of gamma rays with matter.] *Istochniki gamma-izlucheniia i elementarnye protsessy vzaimodelstviia gamma-luchel s veshchestvom*. 1964. 248 p.

## GAMMA RAYS—CAPTURE

Effect of nonmonochromaticity in measuring the cross section of absorption of gamma quanta by light nuclei. G. V. Duminian. *Iad. fiz.* 1 no. 1:46-47 Ja '65.

## GAMMA RAYS—EFFECT ON PLANTS see Plants, Effect of gamma rays on

## GAMMA RAYS—INDUSTRIAL APPLICATIONS

Determining the density of soils by the gamma-gamma probe in the process of the hydraulic filling of structures. P. S. Beaspaiyl. *Trudy VNIIGM* 44:176-183 '64.

## GAMMA RAYS—PHYSIOLOGICAL EFFECT

Analysis of the aftereffect of gamma rays and 660 Mev energy protons in chromosomes. V. V. Khvostova, L. V. Nevzgodina, N. F. Dubinin. *Dokl. AN SSSR* 161 no. 5:1219-1221 Ap '65.  
Decay in the resistance of mice to the blastomogenic effect of methane following whole-body gamma irradiation in small doses. N. I. Lukash. *Dokl. AN SSSR* 162 no. 4:917-919 Je '65.

## GAMMA RAYS—SCATTERING

Angular distribution of the resonance scattering of 23.8 keV gamma quanta by  $Sn^{119}$  nuclei. V. A. Komissarova, A. A. Sorokin, V. S. Shipin. *Iad. fiz.* 1 no. 4:621-624 Ap '65.

## GAMMA RAYS—SPECTRA

Effect of the input intensity on the distortion of pulse height and time-delay spectra in measuring pulsed radiations. I. I. Rogushin. *Iad. prib.* no. 1:24-30 '64.

Excitation of  $La^{139}$  and  $Pr^{141}$  levels in inelastic neutron scattering. V. A. Bukarev, V. I. Popov. *Iad. fiz.* 1 no. 3:443-447 Mr '65.

Levels of the  $Al^{27}$  nucleus with excitation energies of 10, 495 and 3.55 Mev. A. K. Val'ter, E. G. Kopanets, S. P. Sytsko. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:803-807 My '65.

Measurement of the linear polarization of 1.07 Mev gamma rays in the reaction  $Ar^{40}(p, p')Ar^{36}$ . A. K. Val'ter, E. G. Kopanets, S. P. Sytsko. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:800-802 My '65.

Spectrum of gamma rays originating in the capture of thermal neutrons by gold. L. V. Groshev, A. M. Demidov, N. Shadiev. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:766-771 My '65.

Spectrum of gamma rays originating in the capture of thermal neutrons by palladium. L. V. Groshev, A. M. Demidov, N. Shadiev. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:760-765 My '65.

## GAMMA RAYS—THERAPEUTIC USE

Effect of gamma irradiation on the anaphylactic reaction in guinea pigs. O. V. Protasova. *Zhur. mikrobiol. i epid. i immun.* 41 no. 10:27-31 '64.

## GANDHI, MOHANDAS KARAMCHAND, 1869-1948

The murderers of Mahatma Gandhi. G. Kkhosla. *Az. i Afr. seg.* 8 no. 4:53-55, 60 Ap '65.

The murderers of Mahatma Gandhi (conclusion). G. Kkhosla. *Az. i Afr. seg.* 8 no. 5:51-53 My '65.

## GANGLIOSIDES

Quantitative determination of gangliosides of the brain. N. Sh. Promyslov. *Ukr. biokhim. zhur.* 34 no. 3:451-455 '62.

## GANGRENE

Anaerobic phlegmon and gangrene of the scrotum. V. M. Griekhovich, B. N. Birger, E. I. Voinilo. *Vest. khir.* 92 no. 5:127-128 Je '64.

## GANTMAKHER, FELIKS RUVIMOVICH

Feliks Ruvimovich Gantmakher. obituary. M. A. Alzerman and others. *Usp. nat. nauk* 20 no. 2:149-157 Mr-Apr '65.

## GARDENING

Farm work in October. *Inform. blud. VDNKH* no. 10:30-31 O '63.

## GARDENING—EQUIPMENT AND SUPPLIES

Garden and park machinery and devices. I. P. Kuntsevich, A. A. Simonian, T. F. Baturin. *Nov. tekhn. i izom. khoz.* Blagovest. *g. ur.* [no. 1]: 12-25 '61.

International congress on the mechanization of gardening. M. A. Kornakov. *Blud. tekhn. i ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform.* 18 no. 2:53-55 F '65.

## GARLIC—STORAGE

Eremenko, V. D. [Storage and processing of onion and garlic.] *Khraneniie i pererabotka luka i chesnoka*. Moskva, Ekonomika, 1965. 110 p.

## GARNET see subdivision under Kurama Range

## GAS, NATURAL

(see also subdivision under Europe, Western; Kazakhstan, Ustyurt)

Determining the hydraulic resistances of operating city gas mains S R Levin and others Gaz prom 10 no 4 20-22 '65

Methods of extracting of natural gas to obtain acetylene V.L. Baizov Trudy MSHKINGP no 44,163-165 '63

## GAS, NATURAL—GEOLOGY

(see also subdivision under Caucasus, Caucasus, Northern, Gazli region, Uzbekistan, Issyk-Kul; Kadohno Gas Field, Moldavia, Mubarak region, Uzbekistan, Pacific Area; Perm Province; Sukhona Depression, Ukraine; Ural Mountain region, Ustyurt, West Siberian Plain)

Dobrynin, V. M. [Physical properties of oil and gas reservoir rocks in deep wells] Fizicheskie svoystva neftegazovykh kolektorov v glubokikh skvazhinakh. Moskva, Nedra, 1965. 161 p.

Mukhin, V. V. [Prospecting drilling for oil and gas in platform regions of the U.S.S.R., analysis of method and results] Poiskovaya burenie na nef' i gaz v platformennyykh raionakh SSSR, analiz metodiki i rezul'tatov. Leningrad, Nedra, 1964. 182 p. (Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy institut Trudy, no 240)

Nature of the radiometric anomalies over gas and oil pools. R. P. Gottikh Sov. geol. 8 no. 3:23-34 '65.

Prospects for finding deep and extradeep oil and gas fields in the U.S.S.R. M F Dvahl, M. D. Belonin. Sov. geol. 8 no. 3:10-22 '65.

## GAS, NATURAL—PIPELINES

Dependence of the corrosion of a steel gas pipeline on changes in ground conditions along its route. E. A. Nikitenko, Zashch. met. 1 no. 1:91-98 Ja-F '65.

Determining the optimal parameters of a gas pipeline using an electronic computer A. K. Arskii, M. G. Subhatev. Gaz prom 10 no 4 40-44 '65.

Means for improving surface pipe laying L. G. Telegin Stroitel'stvo 10 no 2 6-8 F '65

Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy Fond po gazovoy promyshlennosti. [Aid to the welder and assembler of main pipelines, collection of guides] V pomoshch' svarochnikov i montazhnikov magistral'nykh truboprovodov; sbornik pamiatok. Moskva, 1964. 57 p.

### [MICROFILM]

Tighten the control over underground gas pipelines M. A. Zhelezniakova. Bezop. truda v prom 9 no 4:21-24 Ap '65.

Using electronic computers for the rapid calculation of nonstationary regimes in the operation of gas pipelines A. V. Aleksandrov and others. Gaz prom 10 no 4 35-39 '65

## GAS, NATURAL—PROCESSING

Present-day technology of the refinement of casing-head gas M. A. Regel'man. Gaz, prom 10 no 3 36-39 '65

GAS, NATURAL—STORAGE see subdivision under Moscow

GAS AND OIL ENGINES see Internal combustion engines

## GAS AS FUEL

(see also subdivision under South Kazakhstan Territory)

Economic efficiency in the utilization of natural gas in the glass industry Z. A. Kurkina Gaz prom 10 no 3 31-35 '65

Role of gas as a basic energy carrier I. A. Bashirov Izv. vys. ucheb. zav., nef' i gaz 8 no 3 16 '65

Studying mixture formation in cold models V. N. Afrosimova Gaz prom. 10 no 3 22-26 '65

## GAS BURNERS

Determining the temperature of the ceramic plates of gas radiation burners. A. N. Vysheselskiy, I. E. Shmuel'son. Gaz prom 10 no 4 16-20 '65

Experimental investigation of the distribution of heat flows along the height of the transverse section of a horizontal heating chamber. N. I. Lukin. Gaz, prom 10 no 4 24-28 '65.

Gas burner as a source of infrared rays. I. U. Kazarian. Prom. Arm. 8 no 3 50-52 Mr '65

Hearth burners operating on liquid gas for cast iron sectional boilers S. B. Budker, M. I. Leiderman. Energ. i elektrotekh. prom no 1:30-31 Ja-Mr '65.

Improved design for a gas burner for drum dryers. M. Sh. Islamov Gaz prom 10 no 4 33-34 '65

Investigating and using injection burners with two active jets. A. E. Erinov, B. S. Soroka, V. A. Soroka Gaz prom 10 no 4 28-33 '65

Multinozzle injection burners with a stabilizing cone. S. E. Bark Gaz, prom. 10 no 3 27-31 '65.

New devices for the automatic control of the work of burners operating on liquid fuel L. Remenniy, A. Antonov. Muk. -elev. prom 31 no 5:24-26 My '65.

Operation of gas infrared radiators. K. N. Pravovarov, M. A. Mavyskiy Zh. V. Miroznan. Gaz prom 10 no 3 7-12 '65

Results of the study of a gas combustion process in low-pressure injection burners V. Buachidze. Sov. AN Gruz. SSR 37 no 3 645-652 Mr '65

Studying mixture formation in cold models V. N. Afrosimova Gaz, prom 10 no 3 22-26 '65

## GAS CHROMATOGRAPHY

Application of the gas-liquid chromatography method for the direct determining of the fractional composition of low-molecular synthetic fatty acids A. I. Parimskiy, I. K. Shelomov. Maslo-hir prom 31 no 3 25-27 Mr '65

Chromatographic effects during the optimization of catalytic reactors. S. Z. Roginskii, A. L. Rozenblat. Dokl. AN SSSR 162 no 3 621-624 My '65

Gas-liquid chromatography of mixtures of water with oxygen-containing compounds. A. V. Sagalovich, V. I. L'kerson. Izv. AN SSSR. Ser. khim. no 5:882-888 '65.

Gas-liquid chromatography of pyridine bases. V. I. L'kerson, L. I. L'fer. Izv. AN SSSR. Ser. khim. no 4 611-618 '65.

Some new methods of studying polymeric compounds by gas chromatography V. G. Bezozkin and others. Vysokom. soed. 7 no 1 185-187 Ja '65

Using granulated zeolites (molecular sieves) in the gas-chromatographic separation of gases and hydrocarbons. A. V. Kiselev, I. U. L. Chernom'kova, I. A. I. Iastin. Neft-khimiya 5 no 1 141-148 Ja-F '65

## GAS DISTRIBUTION

Nauchno-tekhnicheskoe obshchestvo gorodskogo khozai'stva i avtomobil'nogo transporta. [Practices in planning, constructing, and doing research on gas supply to cities and municipal services] Iz opyta proektirovaniya, konstruirovaniya i issledovaniya v oblasti gazifikatsii gorodov i kommunal'no-bytovykh ob'ektov, sbornik statei. Moskva, Stroizdat, 1964. 49 p.

## GAS DISTRIBUTION—EQUIPMENT AND SUPPLIES

Planning a gas-distribution station without an operator's house A. A. Narimanov Stroitel'stvo 10 no 2 30-31 F '65

## GAS DYNAMICS

Choice of the reference point when studying the thermodynamic similarity of gases. I. A. Z. Kazavchinskii, Dokl. AN SSSR 161 no 5:1127-1130 Ap '65.

Curving of a jet in a drifting flow. I. A. M. Vizev, I. L. Mostinskii. Inzh. -fiz. zhur. 8 no 2 236-242 F '65

Engineering method for calculating convective heat transfer in nonseparated gas flow about a body V. K. Fedorov. Inzh. -fiz. zhur. 8 no 2 188-203 F '65

Gas dynamic characteristics of finely dispersed materials in a reactor with an ascending through-flow V. S. Aliev, M. I. Rustamov, E. M. Seid-Rzaeva. Azerb. khim. zhur. no. 3:37-43 '64.

Gas pressure conditions is a basis for the long service of coke ovens V. E. Didenko. Koks i khim. no 4:15-23 '65

Shock functionals in momental equations for gases with internal degrees of freedom. R. Kh. Farzan. Izv. vys. ucheb. zav.; av. tekhn. 8 no 2:26-33 '65.

Structure and detonation mechanism of heterogeneous systems V. F. Komov, I. A. K. Troshin. Dokl. AN SSSR 162 no 1:133-135 My '65.

Use of a compressible gas in filling and emptying vessels of finite capacity and either variable or invariable volume. V. D. Smirnov. Inzh. -fiz. zhur. 8 no 3:349-357 Mr '65

## GAS FIELD DEVELOPMENT see subdivision under

Azerbaijan; Ukhta region (Komi A.S.S.R.); Volgograd Province

## GAS FIELDS see subdivision under Siberia

## GAS FITTING

Work of the senior gas fitter. A. T. Znakharenko. V. G. Samoilov. Metallurg 10 no 3 12-13 Mr '65.

## GAS FLOW

Effect of the injection of various gases on heat transfer near the leading critical point of a blunt-nosed body. V. P. Mugalev. Izv. AN SSSR. Mekh. no. 1:175-180 Ja-F '65.

Experimental study of nonsteady motion of a gas in a porous medium under a nonlinear law of resistance. E. M. Minskii, M. A. Peshkin. Izv. AN SSSR. Mekh. no. 1:187-200 Ja-F '65.

Longitudinal electromotive forces and the Hall effect in the flow of an ionized gas in a channel E. I. Lantovskii. Mag. gidr. no. 1:91-98 '65.

Steady axisymmetric motion of a conducting gas in external electric and magnetic fields in quasi-one-dimensional approximation. S. S. Filippov. Mag. gidr. no. 1:65-69 '65.

Stochastic description of the random process of motion of a rarefied gas. S. V. Vallander. Dokl. AN SSSR 162 no 2:287-289 My '65.

## GAS GOVERNORS

Cabinet-type gas regulator points for reducing the pressure of gas D. I. A. Vigdorovich, M. A. Mavyskiy. Gaz prom 10 no 1 12-15 '65

Two-stage pressure regulator with a handle for turning on the fuel of the working medium V. A. Podcheshnikov and others. Gaz prom 10 no 4 15 '65

## GAS HEATING

Sosnin, I. U. P. [Gas heating and heating-cooling stoves] Gazovyye otopitel'nye i otopitel'no-varochnye pechi, Izd. 3., dop. 1 perer. Moskva, Stroizdat, 1965. 267 p.

## GAS INDUSTRY

(see also subdivision under Siberia, Western, Tyumen' Province)

Conditions for the fulfillment of the plan for construction in 1965 Stroitel'stvo 10 no 2 1-2 F '65

First of May is a day of international solidarity of workers, a day of unity and brotherhood for the workers of all countries. Neftianik 8 no 5:1-2 My '63

Public inspection of the state of the living and cultural conditions of the builders of gas pipelines. L. Sh. Reznik. Neftianik 8 no 5:37-38 My '63.

## GAS INDUSTRY—BY-PRODUCTS

Averbukh, A. I. A., and A. S. Sopova. [What can be obtained from gas] Chto poluchaiut iz gaza. Leningrad, Nedra, 1965. 175 p.

## GAS INDUSTRY—ELECTRIC EQUIPMENT

Using electric measuring devices in sparkproof electrical networks A. I. Sultanovich, V. I. Demikhov, V. G. Lupa. Mash. i nef. obrab. no. 4:20-23 '65

## GAS INDUSTRY—SAFETY MEASURES

Inflammability of petroleum gas-vapor mixtures. A. I. Sultanovich, D. N. Bel'fer. Bezop. truda v prom 9 no 5:21-26 My '65

## GAS MASKS

Insulating oxygen AIF-1 gas mask. I. I. Inachenko, N. B. Kashcheev. Porzh. bezop. no. 3:98-99 '64.

## GAS PIPES

Determining the volume of a mixture in the successive pumping of gases. M. V. Neechal', V. I. Novoselov. Izv. vys. ucheb. zav., nef' i gaz 8 no 4:77-82 '65.

New method for making connections to high and medium pressure city gas mains S. I. A. Novak. Gaz prom 10 no 3 19-21 '65

## GAS PRODUCERS

Air leakage in the compression of a free-piston gas producer V. I. Evchenko. Izv. vys. ucheb. zav.; mashinost. no. 1:116-132 '65.

Small-size gas generator. I. P. Greshenko. Tekhn. v sel'khoz. 25 no 4:87 Ap '65

## GAS STOVES see Stoves, Gas

## GAS TURBINE AUTOMOBILES

Control system of the TurboNAM-053 gas-turbine engine for motor vehicles N. N. Zakharov, A. N. Kravtchenko. Avi. prom. 31 no 4:18-22 Ap '65

## GAS TURBINE AUTOMOBILES—TESTING

Temperature changes in gas-turbine blades under unsteady operating conditions I. A. Barskii. Avi. prom 31 no 4 22-21 Ap '65

## GAS TURBINE DISKS

Computing dimensions of initial billets in sectional forging of disks. S. A. Shorodumov, B. I. Semenov. Kuz. -shhtam. proizv. 6 no 12:11-15 D '64.

Investigating the wheel strength of a radial-flow gas turbine under unsteady thermal conditions K. M. Kononov. Izv. vys. ucheb. zav., mashinost. no. 4:54-60 '65

## GAS TURBINE DISKS—COOLING

Investigating heat transfer of two versions of cooling systems for turbine disks. V. I. Davitov. Izv. vys. ucheb. zav.; av. tekhn. 8 no 2:60-64 '65.

## GAS TURBINES

Calculations using a method of small deviations in the study and reduction of gas turbines. A. I. Cherkov. Teploenergetika 12 no 4 68-72 Ap '65.

Chamber combustion chambers of gas turbine systems. A. T. Sekunda, A. A. Shatil'. Energ. i elektrotekh. prom. no. 1:64-69 Ja-Mi '65

Highly efficient central gas turbine unit with 200 Mw. rating. V. V. Uvarov and others. Teploenergetika 12 no 5 7-16 My '65.

Present status and prospects in the development of gas turbine power units. S. A. Kantor, I. D. Frankel. Teploenergetika 12 no 5:2-7 My '65.

Sazanov, B. V. [Blast furnace gas-turbine plants] Domennyye gazoturbinnyye ustanovki. Moskva, Metallurgiya, 1965. 265 p.

## GAS TURBINES (Continued)

Selection of the rotor material of an air-cooled gas turbine. I. A. M. Gusev, G. N. Zatkovetskiy. *Teploenergetika* 12 no 5 32-36 My '65.

Study of regulating frontal devices with central gas supply. M. A. Kondak and others. *Energ i elektrotekhnika* no 1-26-28 Ja-Mr '65.

Study of the operating temperature modes of the prototype of a GT-25-700 gas turbine. A. V. Antonovich, M. I. Trifskiy, V. G. Tyshchik. *Teploenergetika* 12 no 5 20-26 My '65.

Study of vibrational combustion in the combustion chambers of gas turbine systems. V. B. Shteynberg. *Energ i elektrotekhnika* no 1 28-30 Ja-Mr '65.

Use of three-dimensional composite analog computers in the study of the temperature fields of a gas turbine rotor. I. A. Korobova, L. V. Knaizev. *Teploenergetika* 12 no 5 36-40 My '65.

## GAS TURBINES—BLADES

Investigating the vibrations of rotor blades of a radial-flow centrifugal turbine. N. M. Kononov. *Izv. vuz. ucheb. zav., mashinostr.* no 2 119-130 '65.

## GAS TURBINES—COOLING

Additional energy losses in cooled gas-turbine units and their effect on the relative parameters of the cycle. V. I. Lokai, R. G. Khalullin. *Izv. vuz. ucheb. zav.; av. tekhn.* 8 no 2:152-158 '65.

Approximate method for the analytical design of the cooling system of the vane lock of a gas turbine as proposed by T. T. Shvets and E. P. Dyban. V. L. Ivanov. *Teploenergetika* 12 no 5 95-98 My '65.

Selecting the surface type for air-cooled blades. V. M. Antuf'ev, T. K. Gusev. *Trudy LITISBP* no 14-145-150 '61.

Study of the cooling system of a seamlessly forged drum rotor of an experimental gas turbine. E. P. Dyban and others. *Teploenergetika* 12 no 5 26-31 My '65.

## GAS TURBINES—NOISE

Prevention of noise in gas-turbine electric power plants. A. A. Salamov, V. V. Gits. *Teploenergetika* 12 no 5 87-90 My '65.

## GAS TURBINES—TESTING

Heat tests of the GT-25-700-1 gas turbine system. G. G. Ol'khovskiy. *Teploenergetika* 12 no 5 16-20 My '65.

## GAS TURBINES—THERMODYNAMICS

Effect of thermodynamic properties of the working medium on the selection of optimum parameters for a gas turbine. O. N. Dmin, N. N. Bykov. *Izv. vuz. ucheb. zav., av. tekhn.* 8 no 2:95-76 '65.

## GAS WELDING AND CUTTING

Using coke gas in the preheating flame of a machine cutter for flame cleaning. E. Kh. Shamovskiy. *Svar prozv.* no 3-22-24 Mr '65.

## GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

Branch conference on flame machining processes in machine manufacture. M. M. Popelkin. *Svar prozv.* no 3:45 Mr '65.

Clean cutting of steel with low pressure oxygen. A. D. Kotvitskiy, I. U. P. Trizna, L. I. A. Monastyrskiy. *Svar prozv.* no 3:19-21 Mr '65.

Russia (1923-). U. S. S. R. Komitet standartov, mer i izmeritel'nykh priborov. [Equipment for autogenous welding and cutting of metals] Oborudovanie dlia avtogennoi svarki i rezki metallor. Izd. ofitsial'noo. Moskva, Izd-vo Standartov, 1964. 49 p. (SSSR, Gosudarstvennyy Standart)

## GAS WELDING AND CUTTING—SAFETY MEASURES

Airtight method of attaching hoses to cylinders and gas cutters. K. I. Golubkov, I. A. Sivovolov. *Bezop. truda v prom.* 9 no 5:50 My '65.

## GAS WELL CASING

Bench testing casing joints for airtightness. A. V. Tishchenko. *Burenie* no 2:22-24 '64.

## GAS WELL CEMENTING

Causes of annular gas showings after cementing gas-well casings and methods for their prevention. V. G. Tseitlin. *Burenie* no 2 16-19 '64.

Determining the maximum bottom temperature and well temperatures from the point of view of cementing. I. A. Karmayov. *Burenie* no 2:19-21 '64.

Eremenko, T. E. [Drilling oil and gas wells] Krasnaya neft'nykh i gazovykh skvazhin. Moskva, Nedra, 1965. 213 p.

Instrument for measuring the apparent viscosity of cement slurry. R. Sh. Rakhimkulov, G. N. Khangil'din. *Burenie* no 6:14-17 '64.

Nitroalgin as a reducer of the viscosity and water loss of cement slurry. E. M. Solov'ev and others. *Izv. vuz. ucheb. zav., neft' i gaz* 8 no 3:25-28 '65.

Optimal quantity of calcium chloride in plugging muds. Yu. N. Zenchenko. *Burenie* no 5:26-28 '65.

Stresses developing in a cement ring. A. A. Galvoronskiy. *Trudy VNIIBT* no 14 63-76 '65.

Using lightweight cement grouting and methods for reducing the permeability of the stone from this grouting. U. D. Mamadzhonov, Z. Pulatov, A. K. Rakhimov. *Burenie* no 2:9-11 '64.

## GAS WELL COMPLETION

(see also subdivision under Raschevskoye Gas Field)

Vitsen, E. M. [Cumulative perforators used in oil and gas wells] Kumulativnye perforatory, primeneniye v nef'tnykh i gazovykh skvazhinakh. Moskva, Nedra, 1965. 130 p.

## GAS WELL DRILLING

(see also subdivision under Azerbaijan; Bashkiria; Ukraine; United States; Ural Mountain region)

Potentials for increasing the indices of oil and gas well drilling. I. A. Serenko, A. M. Kupriyanov. *Burenie* no 1:31-33 '65.

## GAS WELL DRILLING—EQUIPMENT AND SUPPLIES

Accelerating the hoisting and lowering operations in oil well drilling by introducing new equipment. E. S. Syromiatnikov. *Izv. vuz. ucheb. zav., neft' i gaz* 8 no 4:101-103 '65.

State of the manufacturing and testing of new equipment for drilling oil and gas wells. Btul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 18 no 3:3 Mr '65.

## GAS WELL DRILLING, ELECTRIC

Permissible axial load on a bit in electric drilling. V. G. Belikov. *Izv. vuz. ucheb. zav., neft' i gaz* 8 no 3 21-24 '65.

Some possibilities for increasing the period between inspections of the operation of electric drills. P. I. A. Zel'tser, E. M. Il'chak. *Burenie* no 5:9-10 '65.

## GAS WELLS—DESIGN AND CONSTRUCTION

Basic features of the recent documents on norms for the construction of oil and gas wells. S. G. Plotel'. *Trudy VNIIBT* no 14 197-207 '65.

## GASEOUS PLASMA see Plasma (Ionized gases)

## GASES

Yield of products in the gasification of the bark of coniferous wood. V. A. Linnin. *Gidroliz i lesokhim. prom.* 18 no 3:13-14 '65.

## GASES—ABSORPTION AND ADSORPTION

Adsorption of gas mixtures. Report No. 7: Coadsorption of a binary mixture of vapors on active carbon. B. P. Bering, V. V. Serpinskiy, S. I. Surinova. *Izv. AN SSSR. Ser. khim.* no 5:769-776 '65.

Determining the specific surface of dispersed bodies by the method of the adsorption of carbon dioxide. G. S. Khodakov. *Sbor. trud. VNINSM* no 3:132-140 '60.

Gas penetrability and the sorption properties of slags. V. A. Kalmykov, P. I. Ageev. *Izv. vuz. ucheb. zav., Chern. met.* 8 no 5:29-33 '65.

Investigating the adsorption process of the microconcentrations of carbon dioxide by caustic soda solutions in a packed tower at increased pressures. V. V. Voronin. *Trudy MKHM* 26:74-77 '64.

Regularities of the process of chemisorption of gases by a moving drop of large diameter. I. G. Pli. *Ukr. khim. zhur.* 30 no 6:557-565 '64.

## GASES—ANALYSIS

Automatic gas analyzer for determining the microconcentrations of Freon. Kh. I. Agranov, L. V. Reiman. *Khol. tekhn.* 42 no 2:20-23 Mr-Apr '65.

Interpreting interferograms in studying concentration fields of gas admixtures. V. F. Rozhnov. *Inzh.-fiz. zhur.* 8 no 2 186-189 '65.

Use of a thermionic source of lithium positive ions for the analysis of some gaseous mixtures. Yu. A. Bragin, S. V. Starilova. *Zhur. anal. khim.* 20 no 3:305-308 '65.

## GASES—PHYSIOLOGICAL EFFECT

Effect of inhaling of various gas mixtures on the content of ammonia, glutamine, glutamic acid and adenosine triphosphatase in the animal brain. L. H. Prokhorenko. *Ukr. biokhim. zhur.* 37 no 1:51-55 '65.

## GASES—PURIFICATION

New method of carbon dioxide purification. N. N. Reukunova. *Bezop. truda v prom.* 9 no 5:52-53 My '66.

Purification of gas by the removal of hydrogen sulfide in a fluidized bed of clinker. M. Altybaev and others. *Izv. vuz. ucheb. zav., khim. i khim. tekhn.* 7 no 6: 858-861 '64.

## GASES—THERMODYNAMICS

The thermodynamic similarity of nitrogen, oxygen, and air. P. M. Kessel'man, S. F. Gorykin. *Inzh.-fiz. zhur.* 8 no 3:398-400 Mr '65.

## GASES, ASPHYXIATING AND POISONOUS

Organize the control over air gasness in industrial enterprises. B. M. Nikitin, A. S. Seleznev. *Bezop. truda v prom.* 9 no 4:28-29 Ap '65.

GASES, ASPHYXIATING AND POISONOUS—WAR USE see subdivision under Vietnam, South

## GASES, KINETIC THEORY OF

Experimental test of the validity of Pascal's law in nonuniformly heated gases. B. V. Deriagin, I. I. Rabinovich. *Dokl. AN SSSR* 162 no 1:50-53 My '65.

## GASES, RARE

Potentials of repulsive interaction of atoms of noble gases. A. B. Kamnev, V. B. Leonas. *Dokl. AN SSSR* 162 no 4 788-800 Je '65.

## GASES AT HIGH TEMPERATURES—SAFETY MEASURES

Explosionproof properties of metals. E. A. Ferrarri. *Bezop. truda v prom.* 9 no 4:46-48 Ap '65.

## GASHOLDERS

Assembling a gasholder with a capacity of 30 thousand m<sup>3</sup> made from rolled blanks. M. Dachevskiy, V. Shevchenko, Yu. Pervakov. *Prom. stroit. i inzh. soor.* 6 no 2:35-38 Mr-Apr '64.

## GASIOROWSKA, NATALIA, 1881-1964

Natalia Gasiorowska-Grahovska; an obituary. *Sov. slav.* no 1:125 '65.

## GASOLINE

Effect of pressure on the pyrolysis of straight-run gasoline in a current of super-heated water vapor. T. N. Mukhina and others. *Nefteper. i neftekhim.* no 3:10-12 '65.

Efficient rectification of gasoline and the sampling of aromatic hydrocarbons in catalytic reforming. Yu. V. Balvarovskaya, N. A. Zubkova, A. I. Probozhenskaya. *Nefteper. i neftekhim.* no 4:26-27 '65.

New natural gasoline plants. N. M. Zubov. *Stroi. truboprov.* 10 no 2:18-19 F '65.

## GASOLINE—ANTIKNOCK AND ANTIKNOCK MIXTURES

Antioxidant for gasoline. B. M. Gikhi, I. V. Larionov, V. K. Shikov. *Nefteper. i neftekhim.* no 4:11-13 '65.

Effect of climatic conditions in operating motor vehicle engines on their requirements in regard to the knock rating of gasolines. A. A. Gureev and others. *Avi. prom.* 31 no 5:7-10 My '65.

## GASTRIC JUICE

Change in the blood sugar level following overeating by patients with gastric hyperacidity. E. S. Dvalishvili. *Soob. AN Gruz. SSR* 29 no 1 31-38 Ji '62.

## GASTROENTERITIS

Calcium and phosphorus content of the bile of young pigs in health and in catarrhal gastroenteritis. V. S. Kozachok. *Trudy mol. uch. UASHN* no 9 45-49 '63.

Morphological and functional changes in the stomach of swine with catarrhal gastroenteritis under the effect of feed biomyces and feed terramycin. V. E. Chumachenko. *Trudy mol. uch. UASHN* no 9:71-77 '63.

Problems of studying the etiology of infectious gastroenteritis in swine. E. A. Krasnobayev. *Trudy mol. uch. UASHN* no 9:63-70 '63.

## GASTROINTESTINAL HEMORRHAGE

Hemorrhage from acute ulcers in leukemia. N. K. Matveev. *Khirurgia* 41 no 4:127-129 Ap '65.

## GASTROINTESTINAL MOTILITY

Comparative study of the effect of penicillin, streptomycin and chlorotetracycline on the motor activity of the gastrointestinal tract in patients with chronic infectious colitis. A. G. Saakian, N. L. Arutunova, E. A. Nikolaeva. *Antibiotiki* 10 no 2:170-173 F '65.

Effect of the vitamins B<sub>1</sub>, B<sub>6</sub>, B<sub>12</sub> and C on the motor activity of the stomach, the small and the large intestines in patients with chronic enterocolitis and colitis. A. G. Saakian, N. L. Arutunova, E. A. Nikolaeva. *Vop. pit.* 23 no 5:45-50 S-O '64.

"Pancreatic" phase of gastric secretion. O. V. Berkos. *Fiziol. zhur.* 51 no 3:362-371 Mr '65.

GASTROPODA, FOSSIL see subdivision under Crimean Mountains

## GASTROSCOPY

Role of gastroscopy in the diagnosis of diseases of the stomach. I. B. Rozanov, E. A. Kuzeev. *Trudy TSU* 66:170-182 '64.

## GAUGES

Calculating finished sizes of axial gauges. V. S. Anokhin. *Vest. mashinostr.* 45 no 4:80-81 Ap '65.

Device for measuring the depth of excavator digging. A. I. Vorob'ev. *Stroi. i dor. mash.* 10 no 3:33 Mr '65.

Orienting device. V. A. Akhmedovich. *Mashinostroitel'* no 6:21 My '65.

Smolenskii, B. L., M. A. Rokhlenko, and G. L. Reizina.

[Devices for measuring the diameters of annular grooves in holes] Pribory dlia izmereniia diametrov kol'tsevykh kanavok v otyverst'akh. Leningrad, 1965. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Metody i sredstva kontrolya kachestva i nadezhnosti mashin i priborov)

## **GAZLI REGION (UZBEKISTAN)—GAS, NATURAL—GEOLOGY**

Tectonic prerequisites for the formation of oil and gas fields in the Gazli uplift. Kh. N. Azizkhanov. *Uzb. geol. zh.* 9 no. 156-63 '65.

## **GAZLI REGION (UZBEKISTAN)—PETROLEUM GEOLOGY**

Tectonic prerequisites for the formation of oil and gas fields in the Gazli uplift. Kh. N. Azizkhanov. *Uzb. geol. zh.* 9 no. 156-63 '65.

## **GEAR CUTTING**

Diagonal milling of barrel-shaped teeth. V. V. Loshakov. *Mashinostroitel'* no. 4 25-26 Ap '65.

Markov, N. N. [Gear-tooth measuring instruments, foreign experience]. *Zukhozhimotil'nye pribory, inostrannyi opyt.* Moskva, Mashinostroyeniye, 1965. 165 p.

Selecting parameters of cutter heads for cutting bevel gears with cycloidal longitudinal tooth profile. K. I. Guljaev. *Izv. vys. ucheb. zav., mashinost.* no. 1 101-107 '65.

## **GEAR-CUTTING MACHINES—NUMERICAL CONTROL**

Noncontact copying system for cutting gear wheels. K. N. Antropov, I. I. Kazakov. *Stian i instr.* 36 no. 4 21-22 Ap '65.

## **GEARING**

Analysis and synthesis of the hypoid engagement. M. D. Zlatopolskiy, S. I. Gleizer. *Trudy LITISBP* no. 14-59-75 '64.

Delen'ko, S. L. [Increasing the durability of gear wheels used in the industrial equipment of enterprises of light industry, a manual]. *Povyshenie dolgozhechnosti zubchatykh kolez oborudovaniya predpriyatiy legkoi promyshlennosti, uchebnoe posobie.* Moskva, Legkaya industriya, 1964. 35 p.

[MICROFILM]

Carrying capacity of Novikov's gear transmission at various forms of contact. A. V. Orlov. *Mashinovedeniye* no. 1 137-135 '65.

Determining the coefficient of the nonuniformity of load along the width of herringbone-gear rims. P. R. Gal'per, L. M. Gar'yavi. *Vest. mashinost.* 45 no. 4 35-38 Ap '65.

Determining the tooth form factor of a gear wheel with an internal rim. D. I. Kostuk. *Izv. vys. ucheb. zav., mashinost.* no. 4 16-21 '65.

Development and adaptation of reducing gears at the Izhevsk Plant. V. I. A. Veretennikov. *Biul. tekhn.-ekon. inform.* Gos. nauch.-issl. nauch. i tekhn. inform. 18 no. 2-60-61 F '65.

Effect of phosphate coating on the running-in of pinion teeth. B. P. Artem'ev. *Mashinostroitel'* no. 4 27 Ap '65.

Graphicoanalytical analysis of the geometry of engagement in a wavy gear transmission. S. A. Shavlov. *Izv. vys. ucheb. zav., mashinost.* no. 2-80-93 '65.

Increasing the durability of the gear wheels of machine tools. B. M. Pratushevich, N. M. Leifova, A. S. Zait'eva. *Stian i instr.* 36 no. 5 12-15 My '65.

Reconditioning gear wheels in repairing industrial equipment. K. A. Kornilov. *Mashinostroitel'* no. 5 11-12 My '65.

Taking load concentration into consideration in stress analysis of a pinion body weakened by a key seat. B. S. Tsfas. *Izv. vys. ucheb. zav., mashinost.* no. 1 66-77 '65.

## **GEARING, SPIRAL**

Geometrical interrelations of initial surfaces of a hypoid gear. I. I. Shurygin. *Izv. vys. ucheb. zav., mashinost.* no. 4 22-27 '65.

## **GEARING, SPUR**

Selecting initial rack profiles for spur gears having period of contact more than two and the pole in the area of a two-pair contact. I. S. Volinshko. *Izv. vys. ucheb. zav., mashinost.* no. 2 10-22 '65.

## **GEARING, WORM—TESTING**

Unit for testing worm gears. V. P. Matvienko. *Vest. mashinost.* 45 no. 4 47-49 Ap '65.

## **GELATIN**

Mechanical properties of edible food jelly made with gelatin and agaroid. V. S. Baranov, D. I. Lobanov. *Izv. vys. ucheb. zav.; plishch. tekhn.* no. 1-54-56 '65.

Study of factors affecting the process of gelatin and glue production. O. O. Babolian, I. S. Shestakov. *Izv. vys. ucheb. zav.; tekhn. leg. prom.* no. 2 86-88 '65.

## **GENERALIZED SPACES** see Spaces, Generalized

## **GENERATIVE ORGANS, FEMALE—DISEASES**

Neurogenic essential pruritus of the external genitalia. V. I. Golota. *Akush. i gin.* 40 no. 5 126-129 S-O '61.

## **GENERATORS, ELECTRIC** see Electric generators

## **GENETICS**

Characteristics of the development of the ABO isosystem in human fetuses. M. A. Bronnikova and others. *Sud.-med. ekspert.* 8 no. 1 21-25 Ja-Mr '65.

Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. N. M. Vavilova and others. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3 25-29 '65.

Comparative genetic study of the characteristics of the higher nervous activity in chickens in crossbreeding. Report No. 2. Study of the characteristics of nervous processes in reciprocal crossbreeding of the species *Australorp* and *Plymouth Rocks*. L. A. Alekseevich, V. V. Ponomarev, G. P. Smirnov. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3 8-12 '65.

## **GENETICS—CONGRESSES**

Genetics at a new stage. L. M. Kriukova. *Priroda* 54 no. 4 108-110 Ap '65.

## **GENITOURINARY ORGANS—DISEASES**

Effectiveness of metronidazole (flagyl) treatment of urogenital trichomoniasis. J. Teras and others. *Akush. i gin.* 40 no. 5 96-98 S-O '64.

Mazmanian, T. S. G. [Prescription manual on urogenital diseases; an aid for the practicing physician]. *Resepturnyi spavochnik po mocheopolovym bolezniam, v pomoshch' prakticheskomu vrachu.* Tashkent, Madsitina, 1964. 150 p. (DNLN)

Treatment of urogenital trichomoniasis. B. A. Teokharov. *Akush. i gin.* 40 no. 5 89-93 S-O '64.

Treatment of urogenital trichomoniasis with flagyl. M. Petru, A. Syrovatka, M. Vojtechovska. *Akush. i gin.* 40 no. 5 93-95 S-O '64.

## **GEOCHEMICAL PROSPECTING**

(see also subdivision under Sayan Mountains, Turgay Gates)

Diagnostics of false halos. N. A. Losev, G. K. Lishenko. *Nauch. trudy TashGU* no. 240. *Geol. nauki* no. 21 72-75 '64.

## **GEOCHEMISTRY**

Catalytic activity of some sedimentary rocks in the synthesis of hydrocarbons from carbon monoxide and hydrogen. U. I. Prikovskii, A. N. Bashkurov, F. I. Novak. *Dokl. AN SSSR* 161 no. 4 947-948 Ap '65.

## **GEODESY**

Geometry of normal sections of the earth ellipsoid in connection with the solution of geodetic problems. V. N. Gan'shin. *Izv. vys. ucheb. zav., geod. i aerof.* no. 5 3-11 '64.

Gorkl. (Mogilevskaya oblast') *Belaruskaya akademiya sel'skoe khoz. nauch. i tekhn. inform.* [Construction of geodetic survey control networks]. *Postroenie setei geodezicheskogo s'emochnogo obosnovaniya.* Pod red. I. V. Zubitskogo. Minsk, Gos. izd-vo sel'skhoz. i ly-r'y DSSR, 1963. 100 p.

## **GEODESY—ABSTRACTS**

[Geodesy] Ref. zhur.: *Geod.* no. 6 Je '65.

## **GEODETTIC RESEARCH**

Akademiya nauk SSSR. Komitet po geodezii i geofizike. [Report on scientific studies on geodesy, 1957-1959, submitted to the International Geodesic Association on the occasion of the 13th General Assembly of the International Geodesic and Geophysical Union]. *Sobshcheniye o nauchnykh rabotakh po geodezii, 1957-1959 gg.; predstavlyayetsya v Mezhdunarodnuyu assotsiatsiyu geodezicheskogo i geofizicheskogo sojuzn.* Moskva, 1960. 76 p.

## **GEODIMETER**

Reduction to station centers of lines measured with electro-optical geodimeters. A. V. Kondrashkov, M. V. Ratynskii. *Izv. vys. ucheb. zav.; geod. i aerof.* no. 5 35-38 '64.

## **GEO-ELECTRIC PROSPECTING** see Electric prospecting

## **GEOGRAPHICAL SOCIETIES** see subdivision under Koml. A. S. S. R.

## **GEOGRAPHY** see subdivision under Georgia; Koml. A. S. S. R.

## **GEOGRAPHY—ABSTRACTS**

[Geography] Ref. zhur.: *Geog. Avjorskii ukazatel'* za 1964 g.

## **GEOGRAPHY—METHODOLOGY**

Space and time in geography. K. K. Markov. *Priroda* 54 no. 5 156-61 My '65.

## **GEOGRAPHY—STUDY AND TEACHING**

Content and volume of a geography course. F. N. Shevlyakov. *Vech. sred. shkola* 8 no. 2 80-84 Mr-Apr '65.

Material of the December (1964) Session of the Supreme Soviet of the U. S. S. R. in geography classes. I. A. Efoseev. *Vech. sred. shkola* 8 no. 2 60-72 Mr-Apr '65.

Study of the local history and geography as an important means of students' training. V. I. Smirnov. *Shkola i proizv.* 9 no. 4 74-76 Ap '65.

## **GEOGRAPHY, ECONOMIC**

(see also subdivision 'Economic geography' under Indonesia, Russia, Northern; Zapozh'ye Province)

Bogorad, D. I. [Constructive geography of a region; principles of regional planning]. *Konstrukivnaya geografiya raiona, osnovy raionalnoi planirovki.* Moskva, Mysl', 1965. 406 p.

On the 30th anniversary of the Department of Economic Geography. O. A. Konstantinov. *Izv. Vuzov. geog. obshch.* 97 no. 2 105-111 Mr-Apr '65.

## **GEOLOGICAL LABORATORIES—HEATING AND VENTILATION**

Russia (1923- U. S. S. R.) *Gosudarstvennyi geologicheskii komitet.* [Labor safety in the laboratories of geological prospecting groups and expeditions and requirements for ventilation]. *Bezopasnost' rabot v laboratoriyakh geologorazvedochnykh partii i ekspeditsii i trebovaniya k ventilatsii.* Moskva, Nedra, 1964. 40 p.

## **GEOLOGICAL LABORATORIES—SAFETY MEASURES**

Russia (1923- U. S. S. R.) *Gosudarstvennyi geologicheskii komitet.* [Labor safety in the laboratories of geological prospecting groups and expeditions and requirements for ventilation]. *Bezopasnost' rabot v laboratoriyakh geologorazvedochnykh partii i ekspeditsii i trebovaniya k ventilatsii.* Moskva, Nedra, 1964. 40 p.

## **GEOLOGICAL RESEARCH** see subdivision under Uzbekistan

## **GEOLOGICAL TIME** see subdivision under Caucasus; Kharaulakh Range; Kozhintau, Sayan Mountains; Sumari Range; Tugayon Peninsula; Tsipa region (Georgia); Turkmenistan

## **GEOLOGISTS**

Commemorative dates in January-March 1965. V. V. Tikhonov, N. A. Vostokovskaya. *Sov. geol.* 8 no. 2: 138-148 '65.

## **GEOLOGY**

(see also subdivision under Altai Mountains; Antarctic regions; Arabia; Armenia; Kamchatka; Kuril Peninsula; Kuznetsk Alatau; Kozhva Valley; Minusinsk Basin; Mugodzhai Hills region, Pechora Valley; Sayan Mountains, Tien Shan; Timan Range region; Ural Mountains; West Siberian Plain, Zayansky Depression)

Akademiya nauk SSSR. Institut nauchnoi informatsii.

Geochemistry, mineralogy, petrography, 1962. *Geokhimiya, mineralogiya, petrografiya, 1962 g.* Moskva, 1964. 235 p. (Itogi nauki)

Akademiya nauk SSSR. Komissiya po izucheniya chetvertichnogo perioda. [Quaternary period and its history; for the Seventh Congress of the INQUA held in the U. S. A., 1965]. *Chetvertichnyi period i ego istoriya; k VII Kongressu INQUA (SShA, 1965)* Moskva, Nauka, 1965. 221 p.

Natsional'nyi komitet geologov Sovetskogo Sojuzn. [Geological results of applied geophysics]. *Geofizicheskie rezultaty prikladnoi geofiziki.* Moskva, Nedra, 1965. 292 p. (Mezhdunarodnyi geologicheskii kongress. Doklady sovetskikh geologov, Problema 2)

Series of public lectures on "Basic problems of Geology" in the Department of geology in the autumn-winter semester, 1964. L. I. Plintova. *Vest. Mosk. univ. Ser. 4. Geol.* 20 no. 2 04-05 Mr-Apr '65.

## **GEOLOGY—ABSTRACTS**

[Geology] Ref. zhur.: *Geol.* no. 6 My '65, *Avtorskii ukazatel'* za 1964 g.

## **GEOLOGY—CONGRESSES**

Second All-Union Volcanologic Conference. K. A. Abdalrhmanov and others. *Izv. AN Kazakh SSR. Ser. geol.* 22 no. 2 79-81 Mr-Apr '65.

## **GEOLOGY—FIELD WORK**

Improve the teaching of geological exploration. G. G. Koptsova. *Borov. trudy v prom.* 9 no. 5 21-23 My '65.

## **GEOLOGY—HISTORY**

Toward the development of geology and mining. S. M. Alvarian. *Izv. AN Arm. SSR. Nauki o zem.* 18 no. 1: 61-73 '65.

## **GEOLOGY, STRATIGRAPHIC**

(see also subdivision under Abkhazia; Afghanistan; Angren Valley; Aral Sea region; Arctic regions; Asia, Central; Asanke-Audun Depression; Barons Island; Carpathian Mountains; Caucasus; Caucasus, Northern; Chatkal Valley; Chersky Range; Yakutia; Donets Basin; Gissar Range; Kazakistan; Moldavia; Pamirs; Russia, Northwestern; Siberia; Soviet Far East; Temir District; Tien Shan; Ukraine; Ural Mountain region; Ural Mountains; Ustyurt; Yontsky Range; Zeyvahan Range)

Aleshinskaya, Z. V., and N. G. Zalkina. [Guidebook for practical exercises in a course on "Quaternary geology"; method of diatom analysis]. *Rukovodstvo k prakticheskim zaniatiyam po kursu "Chetvertichnaya geologiya"; metod diatomovogo analiza.* Pod red. A. P. Zhuze. Moskva, Mosk. gos. univ., 1964. 74 p.

## GEOLOGY, STRATIGRAPHIC (Continued)

Significance of the foraminifera of the open tropic basins of the Danian and Paleocene period for the development of the international stratigraphic scale V. S. Krasheninnikov Vop. mikropaleont. no. 8 190-213 '64

[Stratigraphy of the U. S. S. R. in fourteen volumes] Stratigrafia SSSR v chetyrnadtsati tomakh. Moskva, Nedra, [Vol. 3] [Silurian system] Silurishskaya sistema. Otv. red. toma. O. I. Nikiforova i A. M. Obut. 1965. 520 p.

Maps. (in folder)

Work of the Bureau of the Perm Interdepartmental Commission of the Stratigraphic Committee in the first half of 1964. A. D. Mikhukho-Makhlai, G. V. Kotlikov. Sov. geol. 8 no. 3 149-150 '65

## GEOLOGY, STRUCTURAL

(see also subdivision under: Altai Mountains; Antarctic regions, Arctic regions, Dol'shoy Tokmak region, Ukraine; Caspian Lowland, Caucasus, Cilicia, Donets Valley, Eurasia, Pergama Valley, Karmchatka; Kolkhida Lowland, Malyy Anyuy Valley, Polesye, Pripyet Valley; Russian Platform; Sakhalin; Siberian Platform; Transbaikalia, Transcarpathia, Turgay Gates; Tuva A. S. S. R.; Ukraine; Ural Mountain region; Ural Mountains; Ustyurt; Uzbekistan, Verkhoyansk Range; West Siberian Plain)

Elastic impulses caused by the break-up of rocks under dynamic load I. S. Parfomenko, V. A. Obukhov Izv. AN SSSR Fiz. zem. no. 1 20-30 '65

Orogenic stage in the development of geosyncline at chab. A. A. Mossakovskii. Geotektonika no. 2 13-16 Mr.-Ap '65.

Some fundamental concepts of structural geology IU A. Kosygin, IU A. Kosygin, IU A. Vorontin. Geotektonika no. 1 51-60 Ja.-F '65

Volcanism and tectonics Geotektonika no. 1 134-138 Ja.-F '65.

## GEOLOGY, STRUCTURAL—CONGRESSES

Meeting of the Tectonic Committee. Geotektonika no. 1 132-133 Ja.-F '65

Work of the tectonic conference discussions in Ashkhabad. Geotektonika no. 2 127 Mr.-Ap '65.

## GEOMETRICAL OPTICS see Optics, Geometrical

## GEOMETRY—STUDY AND TEACHING

A book on geometry for teachers. V. A. Yeflatiliev. Uch. zap. CHGPI 3 no. 3 71-77 '62.  
Manufacture of visual aids in geometry by school work-shops. A. A. Postnov. Uch. zap. CHGPI 3 no. 3 79-86 '62.

## GEOMETRY, ALGEBRAIC

Shafarevich, I. R., and others. [Algebraic surfaces] Algebraicheskie poverkhnosti. Moskva, Nauka, 1965. 214 p. (Akademiya nauk SSSR. Matematicheskii institut. Trudy, vol. 75)

## GEOMETRY, ANALYTIC—SOLID

Elisratova, T. A., Kh. R. Sulaimanova, and A. S. Shumov. [Problems for a course in higher mathematics] Sbornik zadach po kursu vysshei matematiki. [Moskva] Vysshaya shkola.  
No. 4. [Vector algebra. Solid analytic geometry. Differential and integral calculation of functions of several variables] Vektornaya algebra. Analiticheskaya geometriya v prostranstve. Differentsial'noe i integral'noe ischisleniye funktsii mnogilki p'etennyykh. Izd. 2. 1962. 204 p. [MICROFILM]

## GEOMETRY, DIFFERENTIAL

A family of rectilinear complexes Gr. Stanilov. Ukr. mat. zhur. 17 no. 2 120-123 '65.

## GEOMETRY, MODERN

Buehmanova, G. V., and A. P. Norden. [Introduction to "conformal geometry"] Vvedenie v konformnuyu geometriyu. [Kazan'] Izd-vo Kazanskogo univ., 1964. 92 p.

## GEOMETRY, NON-EUCLIDEAN

Transformation of triorthogonal quadratic systems in four-dimensional non-Euclidean spaces. R. M. Gaidel'man. Izv. vyz. ucheb. zav., mat. no. 2 45-57 '65

## GEOMORPHOLOGY

(see also subdivision under: Abkhazia; Bzyb' Range region; Bzyb' Valley; Carpathian Mountains, Gorky Province; Ivanovo Province; Karatau, Mangyshlak Peninsula; Kodori Valley; Kolkhida Lowland; Koml A. S. S. R.; Lechkhumi region, Georgia; Lithuania; Megrel'sky Range; Moldavia; Okhachkys Mountain, Abkhazia; Russia, Southern; Transcarpathia) Analysis of maximum heights and areas of the tectonic regions of continents. P. S. Voronov Izv. Vses. geog. ob.-va 97 no. 2 151-155 Mr.-Ap '65.

Geological and geographical morphologies and their respective places. A. N. Dzhabakhishvili. Trudy Geog. ob.-va Gruz. SSR 7 13-7 '63.

Reflection of local structures in orohydrography. S. I. Prokoshinski, I. A. Gol'dfeld', I. G. Chervanov. Geog. shor. L'vov. od. Geog. ob.-va SSSR no. 8 101-105 '61.

Smushkin, A. V. [Introduction to the course "Geomorphology"; textbook for second-year correspondence students of the Geography Faculty] Vvedenie k kursu "Geomorfologiya", uchebnoe posobie dlya studentov-zaochnikov II kursa Geograficheskogo fakul'teta, Kazan', Kazanskii gos. univ., 1964. 18 p.

[MICROFILM]

GEOMORPHOLOGY—MAPS see subdivision under Georgia

## GEOPHYSICAL INSTRUMENTS

A complex of experimental devices for geophysical studies O. A. Volkovitskii. Meteor. i gidrol. no. 6 46-48 Je '65

## GEOPHYSICAL OBSERVATIONS

Practice in using the electric profiling method in archaeological work K. K. Smitik. Krat. soob. Inst. arheol. no. 103 153-156 '65

GEOPHYSICAL RESEARCH see subdivision under Antarctic regions

## GEOPHYSICS

Natsional'nyi komitet geologov Sovetskogo Soyuza. [Geological results of applied geophysics] Geologicheskie rezul'taty prikladnoi geofiziki. Moskva, Nedra, 1965. 292 p. (Mezhdunarodnyi geologicheskii kongress. Doklady sovetskikh geologov, Problema 2)

## GEORGIA—AGRICULTURE

Goals of the Georgian purchasing agents. D. Nikuradze. Zakup. sel'khoz. prod. no. 5 20-23 My '64.

## GEORGIA—BENTHOS

Zoobenthos in the Starorech'ye Pond "A" of the Dzhanan Fish Farm. L. G. Nozadze. Soob. AN Gruz. SSR 20 no. 1 87-94 Ji '62

## GEORGIA—CHLOROSIS (PLANTS)

Role of climatic conditions in the periodicity of the manifestation of chlorosis in the grapevine T. I. Turmanidze. Trudy Tbilnigmi no. 12 102-107 '63

## GEORGIA—CHRYSOLOITE

Olivine from dolerites in southern Georgia. S. Sh. Sarkisian, R. L. Shubladze. Zap. Vses. min. ob.-va 64 no. 2 230-232 '65.

## GEORGIA—CITIES AND TOWNS

Types of populated localities in Eastern Kavkasian. E. D. Kobakhidze. Soob. AN Gruz. SSR 28 no. 5 511-516 My '62.

Vertical spread and the distribution of settlements and the population in the Georgian part of the high mountain region of the Caucasus. A. N. Dzhabakhishvili. Trudy Geog. ob.-va Gruz. SSR 7 193-229 '63.

## GEORGIA—CLIMATE

Circulation factors in the climate of the eastern Georgia. K. S. Gogishvili. Trudy Inst. geog. AN Gruz. SSR 20 175-183 '64.

## GEORGIA—CONSTITUTION

Eremov, G. A. [Stages in the development of the constitution of Soviet Georgia. Etapy razvitiya konstitutsii Sovetskoi Gruzii, Tbilisi, Izd-vo GTU] 1960. 427 p. [In Georgian and Russian]

[MICROFILM]

## GEORGIA—CONSTRUCTION INDUSTRY—COSTS

Suggestions prompted by practice. T. Antadze. Ekon. stroi. no. 12 37-39 D '64

## GEORGIA—COSTUME

Chopkashvili, Nino. [Georgian costume, the 8th-14th centuries, Gruzinski kostium, VI-XIV vv. Tbilisi Izd-vo Akad. nauk Gruzinskoi SSR] 1964. 158 p. 92 illus. [In Georgian]

## GEORGIA—CROPS AND CLIMATE

Role of climatic conditions in the periodicity of the manifestation of chlorosis in the grapevine. T. I. Turmanidze. Trudy Tbilnigmi no. 12 102-107 '63.

## GEORGIA—EVAPORATION

Evaporation from the land surface on the territory of Georgia. G. H. Khmaladze. Trudy Geog. ob.-va Gruz. SSR 7 99-118 '63.

## GEORGIA—FIELD CROPS

Conditions of moisture provision for farm crops in Shiraki and Samgori. G. D. Chikvaide. Trudy Tbilnigmi no. 12 108-115 '63.

## GEORGIA—FISHES—FOOD

Zoobenthos in the Starorech'ye Pond "A" of the Dzhanan Fish Farm. L. G. Nozadze. Soob. AN Gruz. SSR 20 no. 1 87-94 Ji '62

## GEORGIA—FLESH FLIES

Materials on inventoring the fauna of Sarcophagidae (Diptera, Sarcophagidae) in Georgia. M. G. Gudzhubidze. Soob. AN Gruz. SSR 37 no. 3 691-691 Mi '65

## GEORGIA—FUNERAL RITES AND CEREMONIES

Eyes and lip covers and the "funeral wreath" for those buried with the deceased P. M. Piripilashvili. Soob. AN Gruz. SSR 28 no. 5 637-642 My '62.

## GEORGIA—GEOGRAPHY

Zakharidze G. I. [Information on the geography of eastern Georgia. R. I. kvart. enchihiadze. Trudy Geog. ob.-va Gruz. SSR 7 247-250 '63.

## GEORGIA—GEOMORPHOLOGY—MAPS

Geomorphological surveying, compilation of geomorphological characteristics and maps of a mountain relief. A. N. Dzhabakhishvili. Trudy Geog. ob.-va Gruz. SSR 7 8-15 '63.

## GEORGIA—GRAPES—DISEASES AND PESTS

Role of climatic conditions in the periodicity of the manifestation of chlorosis in the grapevine T. I. Turmanidze. Trudy Tbilnigmi no. 12 102-107 '63

## GEORGIA—GUMDRIN

Possibility of using gumbrin for substituting part of the starch in sizes and thickeners. N. I. Dugin. Tekst. prom. 25 no. 4 51-56 Ap '65

## GEORGIA—HEALTH RESORTS, WATERING PLACES, ETC.

Nodlin, M. I. [Health resort riches of Georgia] Kurortnye bogatstva Gruzii. Tbilisi, Gos. izd-vo "Sakhchva Sakartvelo," 1963. 275 p.

## GEORGIA—HUMIDITY

Air humidity in Georgia. Sh. I. Dzhabakhishvili. Trudy Inst. geog. AN Gruz. SSR 20 195-209 '64

## GEORGIA—HYDROLOGY

Methods for the compilation of the water budget in Georgia. L. A. Vladimirov. Soob. AN Gruz. SSR 37 no. 3 611-616 Mr '65

## GEORGIA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Projects in the final stages of construction should have combined schedules T. Kutateladze. Ekon. stroi. no. 12 40-41 D '64

## GEORGIA—LANDSLIDES

Qualitative definition and some quantitative features of mud and stone flows. K. P. Begishvili. Trudy Geog. ob.-va Gruz. SSR 7 91-98 '63.

## GEORGIA—LAWYERS

Awarding the title of "Honored Jurist of the Georgian S. S. R." B. V. Verba. Sudn. no. 2 47 '65.

## GEORGIA—PHYSICAL GEOGRAPHY

Physico-geographical regionalization of Gruzia Kakheti. D. B. Ukleba. Trudy Inst. geog. AN Gruz. SSR 20 139-160 '64

## GEORGIA—PHYTOGEOGRAPHY

Botanico-geographical features of the limestone Massifs of Migartya and Gacha (Megretiya). T. V. Sokhadze, M. F. Sokhadze. Trudy Inst. geog. AN Gruz. SSR 20 105-118 '64.

GEORGIA—PLANTS, RADIOACTIVE SUBSTANCES IN Study of the natural radioactivity of some soils and plants in the Georgian S. S. R. B. M. Kavtadze. Soob. AN Gruz. SSR 28 no. 5 593-598 My '62.

## GEORGIA—PLOWES

Old Georgian plowing equipment. G. V. Dzhabladze. Soob. AN Gruz. SSR 20 no. 1 121-128 Ji '62

## GEORGIA—POPULATION

Establishing regularities concerning the distribution and dynamics of the population in the eastern part of the high mountain region of the Caucasus. E. D. Kobakhidze. Trudy Geog. ob.-va Gruz. SSR 7 231-237 '63

Vertical spread and the distribution of settlements and the population in the Georgian part of the high mountain region of the Caucasus. A. N. Dzhabakhishvili. Trudy Geog. ob.-va Gruz. SSR 7 193-229 '63.

## GEORGIA—PRODUCE TRADE

Goals of the Georgian purchasing agents. D. Nikuradze. Zakup. sel'khoz. prod. no. 5 20-23 My '64.

## GEORGIA—Q FEVER

Q fever in some areas of the Georgian S. S. R. E. G. Babalava. Zhur. mikrobiol., epid. i immun. 41 no. 11 117-122 N '64.

## GEORGIA—RIVERS—TEMPERATURE

Temperature cycle of Georgian rivers. O. G. Khmaladze. Trudy Geog. ob.-va Gruz. SSR 7 151-159 '63.



## GEORGIA—SOIL MOISTURE

Conditions of moisture regulation for farm crops in Shida Kartli and Samguri G. D. Chikvadze Trudy Tbil.IGMI no 12 106-113 '63

## GEORGIA—SOILS, RADIOACTIVE SUBSTANCES IN

Study of the natural radioactivity of some soils and plants in the Georgian S S R B. M. Faveladze Soob AN Gruz SSR 28 no 5 593-596 My '62

## GEORGIA—SOLAR RADIATION

Inventory of the solar resources in Georgia I. A. A. Tsubitashvili Trudy Tbil.IGMI no 12 54-53 '63

## GEORGIA—SPRUCE BARK BEETLE—EXTERMINATION

The spruce bark beetle *Dendroctonus micans* in Georgia and its control. Sh. M. Supatashvili, A. L. Mukhashvili, B. V. Marusidze. Biol. Glav. bot. suda no. 56 68-72 '64.

## GEORGIA—TOMATOES

Some problems of tomato cultivation practices Sh. K. Chikhaberdze Soob AN Gruz SSR 28 no 5 575-582 My '62

## GEORGIA—VILLAGES

Geographical distribution of rural population in the Georgian S S R. A. F. Astanikashvili Trudy Inst. geog. AN Gruz SSR 20 161-173 '64

## GEORGIA—WHEAT—DISEASE AND PEST RESISTANCE

Hard, and stripe-rust resistant species of soft wheat grown in Georgia L. L. Dekapitelovich Biol. VIR no 10 8-11 '62

GERANIUMS see subdivision under Kadabek District

## GERIATRICS

Acute intestinal obstruction in elderly and senile persons. R. M. Mirmukhamedov Vest. khir. 93 no 12:17-19 D '64

Cancer of the upper region of the stomach with transition into the esophagus in patients over 50 years of age. A. V. Bogdanov, L. I. Krautser, L. G. Kharitonov, Khirurgia 41 no 4 52-56 Ap '65

Case of "black consumption" as a complication of non-occupational anthracosis in old age V. P. Bykova Arkh. pat. 26 no 12 62-66 '64

Changes in hemodynamics in old age in hypoxia. N. V. Lauer and others. Vop. geron. i geriat. 4:54-59 '65.

Characteristics of the manifestation and course of some diseases of the cardiovascular system in very old persons. G. N. Slichinava. Vop. geron. i geriat. 4:176-179 '65

Characteristics of the treatment and therapeutic tactics in acute cholecystitis in elderly persons V. S. Veselov Sov. med. 28 no 157-61 Ja '65

Electroencephalogram under normal conditions and in cerebral atherosclerosis in elderly and senile persons. R. P. Belonog. Vop. geron. i geriat. 4:195-202 '65.

Geriatric problem in traumatology. A. V. Kaplan Ortop. i travm. i protez. 26 no 1 18-24 Ja '65.

Need of senile and very old persons of basic medical aid. A. N. Zelinskii. Vop. geron. i geriat. 4:172-176 '65.

Prevention of vascular crises in elderly age. D. Z. Kolosov, I. S. Kurilenko. Vop. geron. i geriat. 4:185-189 '65.

Role of psychogenic and somatogenic factors in the dynamics of psychopathies in old age. V. I. A. Semke. Zhur. nev. i psikh. 65 no. 5:737-741 '65.

Some characteristics of the clinical aspects and treatment of the acute period of myocardial infarct in elderly and senile persons O. V. Korkushko and others. Vop. geron. i geriat. 4:179-185 '65.

Some characteristics of the development and course of atherosclerotic lesions of the brain in elderly and senile age. A. I. A. Mints. Vop. geron. i geriat. 4:189-196 '65.

Some data on the state of supplying elderly and senile persons with thiamine and riboflavin. V. I. Molotkov. Vop. geron. i geriat. 4:225-230 '65.

Some data on the study of the functional state of the kidneys in elderly and senile persons with moderate clinical manifestations of general atherosclerosis; preliminary report. E. G. Kalinovskaya, R. V. Vasil'eva, on i geriat. 4:213-217 '65.

## I PAVLOVICH, 1910-

[Until Germany: a critical and biographical; Until Germany: kritiko-biograficheski] dka, Sovetskii pisatel', 1965, 282 p.

ICRATIC REPUBLIC see Germany, East

ITAL REPUBLIC see Germany, West

## ATURE—HISTORY AND CRITICISM

of the German antiwar novel, N. M. Iad. lit. 9 no. 4:58-63 Ap '65

LES see Rubella

## GERMAN REUNIFICATION QUESTION (1949- )

Great victory M. Malinov Sots. zakon. 12 no 5:9-18 My '65

May 8, 1945, and the right of the German people to self-determination G. Krueger Sov. gos. i pravo 35 no 5:36-44 My '65

## GERMANATES

Reaction of lithium hexafluorogermanate with hydrogen fluoride solutions I. I. Tyshinskaya, A. A. Opalovskii, N. S. Nikolaev Izv. AN SSSR Ser. khim. no. 4:744-748 '65

Solid solutions of Ba<sub>2</sub>SiO<sub>4</sub> - Ba<sub>2</sub>GeO<sub>4</sub> R. G. Groben-shchikov, N. A. Toropov, V. I. Shitova. Izv. AN SSSR. Neorg. mat. 1 no 1:121-125 Ja '65.

## GERMANS

Addition of trichloroethylmane to cyclopropane derivatives. O. M. Nefedov, S. P. Kolesnikov, N. N. Novitskaya. Izv. AN SSSR. Ser. khim. no. 3:579-580 '65.

Synthesis and transformations of tribromogermane. T. K. Gar, V. F. Mironov Izv. AN SSSR. Ser. khim. no. 5:855-862 '65.

Synthesis and transformations of tribromogermane. V. F. Mironov, T. K. Gar. Izv. AN SSSR. Ser. khim. no. 4:755-758 '65

## GERMANIC ACID

Alloimetric determination of germanium as tridiphenol-germanic acids. V. A. Nazarenko, A. M. Andrianov. Ukr. khim. zhur. 30 no. 6:620-624 '64.

## GERMANIUM

Effect of oxygen adsorption on the components of the potential jump at the germanium-hydrofluoric acid interface. I. V. Pleskov. Elektrokhimika 1 no. 1:4-11 Ja '65.

## GERMANIUM—ELECTRIC PROPERTIES

Surface conductivity of Au-doped Ge. G. A. Katrich, O. G. Sarbei, D. T. Tarashchenko, Fiz. tver. tela 7 no 5:1352-1361 My '65

## GERMANIUM—METALLURGY

Thermodynamic analysis of germanium behavior in the pyrolytic process. A. A. Babadzhan, TSvet. met. 38 no. 4:59-62 Ap '65.

## GERMANIUM, EFFECT OF RADIATION ON

Effect of low-energy nitrogen ions on a germanium surface V. F. Synorov, S. S. Bulgakov, V. V. Stepanov. Fiz. tver. tela 7 no. 5:1375-1377 My '65.

## GERMANIUM ALLOYS—PHOTOELECTRIC PROPERTIES

Photoconductivity in germanium alloyed with group V elements at photon energies below the ionization energy of the impurities T. M. Lifshits, F. I. A. Nad' Dokl. AN SSSR 162 no 4 801-802 Je '65.

## GERMANIUM ALLOYS—THERMAL PROPERTIES

C<sub>p</sub> - C<sub>v</sub> for Ge with varying content of electrically active impurities. V. V. Zhdanova, T. A. Kontorova. Fiz. tver. tela 7 no 5:1584-1586 My '65.

## GERMANIUM COMPOUNDS—SPECTRA

Etherates of trihalogermanes studied by nuclear magnetic resonance spectroscopy O. M. Nefedov and others Dokl. AN SSSR 162 no 3:589-592 My '65

## GERMANIUM CRYSTALS

Transport reactions in germanium precipitation by the iodide method. V. F. Dorfman, K. A. Bol'shakov, I. P. Kisliakov. Izv. AN SSSR. Neorg. mat. 1 no. 1:37-46 Ja '65

## GERMANIUM CRYSTALS—GROWTH

Observation of the electromotive force during epitaxial germanium growth on germanium with the use of a gas transfer reaction with water. I. A. Zolov, V. N. Maslov, A. P. Mitin. Dokl. AN SSSR 161 no 5:1124-1126 Ap '65.

## GERMANIUM ORGANIC COMPOUNDS

Study of unsaturated organogermanium compounds. Part 2: Course of the bromination of 1,3-ene germa-nium hydrocarbons. M. D. Stadnichuk, A. A. Fetov, Zhur. ob. khim. 35 no. 4:700-704 Ap '65.

## GERMANIUM OXIDES

Changes in solubility of germanium dioxide in water with an increase in temperature from 0 to 100°C V. A. Vekhov, B. S. Vitukhnovskaya, R. F. Doronkina Izv. vye. ucheb. zav. i khim. i khim. tekhn. 7 no 6:1018-1019 '64.

## GERMANIUM TELLURIDE

Phase diagram of the system Bi<sub>2</sub>Te<sub>3</sub> - GeTe. N. Kh. Abrikosov, G. T. Danilova-Dobriakova. Izv. AN SSSR. Neorg. mat. 1 no. 1:57-59 Ja '65.

## GERMANS

The group studying Sovie-German relations. T. A. Vozdvizhenskaya Sov. slav. no 1:113-114 '65.

## GERMANY—CRIMINAL JUSTICE, ADMINISTRATION OF

Nazi criminals must not escape their responsibility L. Smirnov Sov. iust. 20 no 6:4-6 Mr '65

## GERMANY—LIMITATION OF ACTIONS (CRIMINAL LAW)

Nazi criminals must not escape their responsibility. L. Smirnov Sov. iust. 20 no 6:4-6 Mr '65  
War criminals must bear the punishment laid down by law. Biol. Verkh. Suda no. 2:3-6 '65.

## GERMANY—SELF-DETERMINATION, NATIONAL

May 8, 1945, and the right of the German people to self-determination G. Krueger. Sov. gos. i pravo 35 no 5:36-44 My '65

## GERMANY—WAR CRIMES

German militarism before the tribunal of nations. Sov. gos. i pravo 35 no. 5:11-21 My '65.

Nazi criminals must not escape their responsibility L. Smirnov Sov. iust. 20 no. 6:4-6 Mr '65  
War criminals must bear the punishment laid down by law. Biol. Verkh. Suda no. 2:3-6 '65.

## GERMANY—WORLD WAR, 1939-1945—CAMPAIGNS

The Ruhr operation Voen. ist. zhur. 1 no. 1:124-120 Ap '65.

## GERMANY—WORLD WAR, 1939-1945—CAUSES

The responsibility of the leaders of German monopolies for Hitler's aggression A. Poltorak. Sots. zakon. 12 no 5:24-29 My '65

## GERMANY, EAST—AGRICULTURAL MACHINERY

Machines of the German Democratic Republic for the mechanization of animal husbandry E. S. Kotenenko Trakt. i sel'khoz. mash. no 3 12-15 Mr '65

## GERMANY, EAST—CHEMISTRY—METHODOLOGY

Brief survey of basic works on the methodology of chemistry in the German Democratic Republic H. Metendorf Izv. APN no 134:240-256 '64

## GERMANY, EAST—CHEMISTS—EDUCATION AND TRAINING

Production and technical preparation of the chemists of the German Democratic Republic. Rud. Hejmet. Neftianik 8 no. 5:11-13 My '63

## GERMANY, EAST—COURTS

The Supreme Court of the German Democratic Republic leads in the realization of justice. Heinrich Toppolitz. Sots. zakon. 42 no 5:30-34 My '65.

## GERMANY, EAST—FLOUR MILLS—EQUIPMENT AND SUPPLIES

At the 1955 jubilee spring fair in Leipzig. G. I. M. dnysev. Mek. elev. prom. 31 no. 3:31-32, 3 of cover My '65

## GERMANY, EAST—FOREIGN RELATIONS—RUSSIA

A factor of peace in Europe. Nov. vrem. 23 no. 24 2 Je '65.

## GERMANY, EAST—MACHINERY INDUSTRY

Development of the machinery industry in the German Democratic Republic H. M. Bozevov Vest. mashinost. 45 no. 1:78-80 Ap '65.

## GERMANY, EAST—MILK—TRANSPORTATION

Foreign practice. Zakup. sel'khoz. prod. no. 3:61-62 Mr '65.

## GERMANY, EAST—MINE HAULAGE

Modern conveyor transportation of overburden and coal at the "Trebbendorf" strip mine. I. M. Norkin. Ugol' 40 no. 4 67-70 Ap '65.

## GERMANY, EAST—POLITICS AND GOVERNMENT

Our position and our goals. R. Doelling. Nov. vrem. 22 no. 20:3-5 My '65.

## GERMANY, EAST—POPULATION

Why I went to Mecklenburg. L. Bozymenskii. Nov. vrem. 23 no 24:13-16 Je '65.

## GERMANY, EAST—RELATIONS (MILITARY) WITH RUSSIA

Soldiers of the forward edge. G. Kuvitanov. Sov. voen. 40 no 8:6-7 Ap '65.

## GERMANY, EAST—SPORTS—PERIODICALS

Review of the periodical "Theorie und Praxis der Kooperationskultur" (German Democratic Republic). No. 1-0 for 1964. L. V. Gerkan. Teor. i prak. fiz. kul't. 27 [i. e. 28] no. 5:73-75 My '65

## GERMANY, EAST—SPORTS—PSYCHOLOGICAL ASPECTS

Sociopolitical articles in the periodical "Theorie und Praxis der Kooperationskultur" (1964). L. V. Gerkan. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 4:158-60 Ap '65.

#### GERMANY, EAST—TEXTILE INDUSTRY—QUALITY CONTROL

From the experience of the statistical processing of the results of the testing and quality control of textiles in the German Democratic Republic H. Maith, Izv vyz ucheb. zav., tekhn. tekhn. prom., no. 2:32-42 '65

#### GERMANY, EAST—WHOLESALE TRADE—ACCOUNTING

On the use of dual cards in the wholesale trade of the Democratic Republic of Germany G. Moiseenko, Bukh. uch. 22 no. 3:68-70 M. '65

#### GERMANY, EAST—WORLD WAR, 1939-1945—ANNIVERSARIES, ETC.

You brought freedom, Walter Henze, Sov. voen. 47 no. 8:44 Ap '65

#### GERMANY, WEST—CHURCH AND STATE

Maier, Harry, and Peter Stier, [Fascism and political clericalism. Translated from the German] Faschizm i politicheski klerikalizm, Moskva, Izd-vo inostr. lit-ry, 1963, 231 p.

#### GERMANY, WEST—COMMUNISTS

The fate of a "heretic", A. Trigorlan, Nov. vrem., 22 no. 20:30-31 My '65

#### GERMANY, WEST—DEFENSES

A new stage in West Germany's preparations for war, F. Nikol'ski, N. Shevchenko, Mezhdunar. zhizn' 12 no. 5:113-118 My '65  
The role of the United States in the revival of West-German militarism, V. Dubrov, Mezhdunar. zhizn' 12 no. 5:118-122 My '65

#### GERMANY, WEST—ELECTIONS

The starting signal has been given, S. Tarov, Mezhdunar. zhizn' 12 no. 5:132-133 My '65

#### GERMANY, WEST—FOREIGN RELATIONS

Our position and our goals, R. Doelling, Nov. vrem., 22 no. 20:3-5 My '65

#### GERMANY, WEST—HISTORIOGRAPHY

Volkovich, O. I. [Criticism of West German bourgeois historiography of the socialist industrialization of the U. S. S. R.; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Kritika zapadnogermskoi burzhuaznoi istoriografii sotsialisticheskoi industrializatsii SSSR; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk, Nauchn. rukovoditel' V. I. Salov, Moskva, Mosk. obl. pedagog. in-t, 1964, 19 p. [MICROFILM]

#### GERMANY, WEST—MILITARISM

Potentiality of revanchism M. Vostenskii, Mir ekon. i mezhdunar. otn. no. 6:116-120 '65

#### GERMANY, WEST—MILITARY ASSISTANCE, AMERICAN

The role of the United States in the revival of West-German militarism, V. Dubrov, Mezhdunar. zhizn' 12 no. 5:118-122 My '65

#### GERMANY, WEST—POLITICAL CRIMES AND OFFENSES

The Procuracy of the Federal German Republic in the service of revanchism O. Gavrilov, Sots. zakon, 42 no. 5:35-39 My '65

#### GERMANY, WEST—POLITICS AND GOVERNMENT

The art of self-deception: a feuilleton, Boris Leont'ev, Nov. vrem., 23 no. 24:21 Je '65  
Liberation Day, D. Beneslavskii, Mezhdunar. zhizn' 12 no. 5:123-124 My '65  
Maier, Harry, and Peter Stier, [Fascism and political clericalism. Translated from the German] Faschizm i politicheski klerikalizm, Moskva, Izd-vo inostr. lit-ry, 1963, 231 p.  
Unfading zeal of the Soviet people, Sov. gos. i pravo 35 no. 5:13-13 My '65

#### GERMANY, WEST—PUBLIC PROSECUTORS

The Procuracy of the Federal German Republic in the service of revanchism O. Gavrilov, Sots. zakon, 42 no. 5:35-39 My '65

#### GERMANY, WEST—RELATIONS (MILITARY) WITH DENMARK

Unreasonable concession, A. Timofeev, Mezhdunar. zhizn' 12 no. 5:130-131 My '65

#### GERMINATION

Activity of arginase in the germinating seeds of hairy vetch, K. M. Bendetskii, Biol. Glav. bot. sadu no. 56: 65-67 '64  
Conditions affecting formation of slow-germinating seeds in beans, G. M. Lisovskii, Nauch. dokl. vyz. shkoly, biol. nauk no. 2:152-157 '65  
Effect of the low temperature of the soil during the period of germination on the absorption and assimilation of P<sub>32</sub> by wheat seedlings, D. A. Dul'binskaya, V. I. Uzenasov, Agrokhimia no. 2:73-76 F '65

Germination of the seeds of Rauwolfia serpentina Benth. B. S. Guiti, P. Singh, B. P. Dimri, Biol. Glav. bot. sadu no. 56:36-38 '64

Seed germination in perennial flowering plants, V. G. Nesterenko, Izv. AN Mold SSR no. 10:54-59 '63  
Vitality and productivity of weed seeds in fall and winter, A. Khamidov, Uzb. biol. zhur. 9 no. 2:45-47 '65

#### GHANA—THEATER

The African theater and revolution, Feliks Morisov-Leroy, Az. i Afr. seg. 8 no. 4:50 Ap '65

The theater in Ghana today, V. Ranzev, Vop. lit. 9 no. 4:175-177 Ap '65

#### GIBBERELLIC ACID

Effect of gibberellin acid on some metabolic aspects in cotton under various conditions of nitrogen and phosphorus nutrition, T. B. Bazanova, Izv. AN Turk. SSR, Ser. biol. nauk no. 1:17-21 '65

#### GIBBERELLIN

Aftereffect of gibberellin on fruiting of the grapevine, M. Kh. Chaitakhian, M. M. Sarisheva, Izv. AN Arm. SSR, Biol. nauk 18 no. 2:3-10 F '65

Effect of gibberellin on micro-organisms and on fermentative activity of barley in malting, M. S. Shkhan, Prikl. biokhim. i mikrobiol., 1 no. 1:102-109 Ja-F '65

Effect of gibberellin on the seed germination and development of juvenile ginseng plants, I. V. Grushvitskii, Izv. AN SSSR, Ser. biol., no. 3:123-127 My-Je '65

Use of gibberellin for determining the latent and inconspicuous forms of virus diseases of potatoes, P. G. Chesnokov, Biol. VIR no. 10:3-7 '62

#### GINSENG

Effect of gibberellin on the seed germination and development of juvenile ginseng plants, I. V. Grushvitskii, Izv. AN SSSR, Ser. biol., no. 3:123-127 My-Je '65

Experimental study of the effect of ginseng on the motor activity in health and under conditions of changed correlations of the fundamental processes of the higher nervous activity, M. M. Buzuk, Trudy Khark. med. inst. no. 38:319-325 '57

Glycosides from Acanthopanax sessiliflorum roots, L. A. Elinaeva, G. B. Elinaeva, Izv. AN SSSR, Ser. khim., no. 3:555-556 '65

Nuclear magnetic resonance and infrared spectra of triterpenoids isolated from ginseng, A. K. Datsenko, M. I. Nefedova, G. B. Elinaeva, Dokl. AN SSSR 162 no. 3:568-572 My '65

#### GINSBURG, VUL'F VENIAMINOVICH, 1921-

Vul'f Veniaminovich Ginsburg: on his 60th birthday, Arkh. anat., gist. i embr., 46 no. 1:123-125 Ap '64

#### GISSAR RANGE—FLUORSPAR

Formation of fluorite veins in connection with metamorphic zonation in the southern part of the Gissar and Khataghi Ranges (southern Tien Shan), A. Kh. Khasanov, A. R. Faiziev, Dokl. AN SSSR 162 no. 1:222-224 Je '65

#### GISSAR RANGE—FOLDS (GEOLOGY)

Course of the trend in and nature of Hercynian folding in the southwestern spurs of the Gissar Range, S. I. A. Lapidus, Uzb. geol. zhur. 8 no. 1:57-61 '64

#### GISSAR RANGE—GEOLOGY, STRATIGRAPHIC

Devonian sediments of the Zaravshan-Gissar mountainous area, V. L. Lelushus, Dokl. AN SSSR 162 no. 1:158-160 My '65

#### GISSAR RANGE—GRANITE

Formation of red granites in the southwestern spurs of the Gissar Range, P. D. Kupchenko, Nauch. trudy TashGU no. 249, Geol. nauki no. 21:76-81 '64  
Petrochemical characteristics of granitoids in the southwestern spurs of the Gissar Range, I. M. Ismailkhamedov, P. D. Kupchenko, Nauch. trudy TashGU no. 249, Geol. nauki no. 21:44-71 '64

#### GISSAR RANGE—LIMESTONE

Some characteristics of the structure of Cretaceous limestones in the southwestern spurs of the Gissar Range, M. Egamberdiyev, Uzb. geol. zhur. 8 no. 4: 61-68 '64

#### GISSAR RANGE—ORE DEPOSITS

Plan of endogenic metallogeny in the southwestern Gissar Range and some problems concerning the genesis of hydrothermal deposits in the region, B. P. Vasilovskii, Nauch. trudy TashGU no. 249, Geol. nauki no. 21:16-35 '64

#### GISSAR RANGE—PORPHYRY

Intrusive quartz porphyries in the southern part of the Surkhantau, V. A. Pimshina, Nauch. trudy TashGU no. 249, Geol. nauki no. 21:100-109 '64

#### GISSAR RANGE—ROCKS, IGNEOUS—ANALYSIS

Some geochemical characteristics of effusives in the southwestern spurs of the Gissar Range, M. S. Sultanov, V. A. Pimshina, Nauch. trudy TashGU no. 249, Geol. nauki no. 21:110-123 '64

GLACIERS see subdivision under Caucasus; Munkueadyk Mountain; Sunkar-Khayata Range; Syanetia

GLACIOLOGY see subdivision under Syanetia

#### GLADKOV, NIKOLAI ALEKSEEVICH, 1905-

Outstanding ornithologist, V. S. Zaitsev, Priroda 54 no. 1:115-117 Ap '65

#### GLANDS

Glands of the uterus in man and some animals, N. N. Brovina, Trudy Khark. med. inst. no. 36:33-40 '57  
Histochemistry of the main cells of the fundic gastric glands, G. I. Kutakh, Arkh. anat., gist. i embr., 46 no. 4:175-179 Ap '64

Materials on macro- and microscopy of the rectal glands in man and some animals, Report No. 1, A. A. Kravitskii, Trudy Khark. med. inst. no. 30:41-49 '57

Nucleic acid content in the silk glands of mulberry silkworm (Bombyx mori L.) varieties differing in their productivity, P. Kulyev, Izv. AN Turk. SSR Ser. biol. nauk no. 1:70-71 '65

GLANDS, DUCTLESS see Endocrine glands

GLANDS, LACRIMAL see Lacrimal organs

#### GLASS

Change in the structural and physical state of glass hardened in molten metal, S. I. Sil'vestrovich, V. M. Filisov, A. V. Gladkov, Dokl. AN SSSR 162 no. 3: 552-555 My '65

Use of the electron paramagnetic resonance method in studying glasses containing chromium, V. K. Zakharov, D. M. Iudin, Fiz. tver. tela 7 no. 5:1671-1672 My '65

#### GLASS—ELECTRIC PROPERTIES

Electroconductivity of fluoride glasses in a molten state, K. A. Kostanian, C. A. Erankian, Izv. AN Arm. SSR, Khim. nauki 18 no. 1:3-5 '65

#### GLASS BLOWING AND WORKING—EQUIPMENT AND SUPPLIES

Manufacture and preparation of glass molds, V. P. Smirnov, Stek. i ker. 22 no. 4:38-40 Ap '65

#### GLASS CONSTRUCTION

Shaped glass is a new efficient building material, N. P. Kabanov, Stek. i ker. 22 no. 4:23-25 Ap '65  
With extensive use of glass, N. Zaka, M. Chetkovskiy, K. Zamskata, Stroitel. arkhitekt. Mosk., 14 no. 4:220-21 Ap '65

GLASS ELECTRODES see Electrodes, Glass

#### GLASS FACTORIES—SAFETY MEASURES

Kalagin, V. A. [Brief instructions for planning the heating and ventilation in production shops of glass factories; scientific and technological information on questions of industrial safety] Kratkie ukazaniya po proektirovaniu otopleniya i ventilatsii v vyrabotchicheskikh tsakhakh stekol'nykh zavodov; nauchno-tekhnicheskaya informatsiya po voprosam okhrany truda, Kazan', Tatarskoe knizhnoe izd-vo, 1962, 31 p. [MICROFILM]

#### GLASS FIBERS

Use of glass-fiber fabrics for the manufacture of the filter hose of oil cake catchers, O. A. Bobrenko, Mashinostroitel. prom. 31 no. 4:45 Ap '65

#### GLASS FURNACES

Economic efficiency in the utilization of natural gas in the glass industry, Z. A. Kukina, Gaz. prom. 10 no. 3:31-35 '65

#### GLASS FURNACES—MAINTENANCE AND REPAIR

Practice of repairing hot glass furnaces, A. I. Rassolov, A. S. Lukashevich, Stek. i ker. 22 no. 4:37-38 Ap '65

#### GLASS GRINDING AND POLISHING

Laboratory control method of the roughness of ground glass surfaces, G. M. Gorodinskiy, V. I. Rudin, Stek. i ker. 22 no. 4:28-29 Ap '65

#### GLASS MANUFACTURE

(see also subdivision under Dnypr'kovo, Bryansk Province, Siberia, Eastern)

Armenian perlites are a new efficient raw material for the glass industry, V. G. Arutunov, Stek. i ker. 22 no. 4: 5-8 Ap '65

Centralized supplying of enterprises in mineral raw materials is an important condition for improving the quality of their production, Stek. i ker. 22 no. 4:1-2 Ap '65

Container glass on a blast furnace slag basis, I. I. Kitagorodskii, S. V. Petrov, Stek. i ker. 22 no. 4:3-5 Ap '65

Dressing of leucocratic granites, S. I. Usupov, A. I. Dzeboev, Stek. i ker. 22 no. 4:6-9 Ap '65

Electromelting of selenium ruby, M. A. Tsaritsyn, N. I. Zakharenko, Stek. i ker. 22 no. 4:25-27 Ap '65

[illegible]

D. I. S. I. E. F. Ext-otekhnika 36

**GLAUCOMA**  
 The effect of glaucin in a Latisol  
 on the eye of a patient with glaucoma  
 was studied. The patient was a 60-year-old male  
 who had been treated with glaucin for 10 years.

**GIAZE3**

**GLIADENS**  
 1. *Gladiolus* (gladiolus) on the combustion heat of  
 2. *Gladiolus* (gladiolus) V. Ponomarev and  
 3. *Gladiolus* (gladiolus) no 1900-01 Je '63

**GLOMERULONEPHRITIS**  
 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th  
 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th  
 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th

For the 100th anniversary of the birth  
of the first FZTS bank. Vest Moskv on Ser. 7  
Eura, 20 to 29-29 Mr. 3p '65

A detrital representative of the genus *Plagiotherium*  
H. et S. in Antarctica L. I. Savich-Lubitskaya,  
Z. N. Smirnova. Inform. biol. Sov. antark. eksp. no 49  
33-63 '64

Glucinate complex compounds of beryllium, V.K.  
Zelikman, Ukr.khim zhur 30 no.6:565-570 '64,  
in print in places of calcium N.A. Kostromina,  
F.D. Bogdanov, Ukr.khim zhur 31 no.4:332-338  
65

Glycopeptides. Report No. 13. Synthesis of  $\alpha$ -aminoacyl derivatives of N-acetylglucosamine. V. M. Kalinevich, V. A. Derzhinskii, M. F. Kochetkov. Izv. AN SSSR, Ser. Khim., no. 3 456-502, 1965.

Effect of boron and manganese on the dynamics of translocation and distribution of  $C^{14}$ -glucose in plants. V. S. Saakov. Dokl. AN SSSR 102 no. 2:465-467 My '65.

Effect of pyridoxine, insulin and glucose on the transaminase activity of the erythrocytes of various animals in vitro. I. A. L. Herraniuk, O. I. U. Leitchuk, M. M. Martynuk. Ukr. biohokh zhur 34 no. 3:417-423 '62.

Enzymatic method of the quantitative determination of glucose in the blood by means of the native glucose oxidase preparation. V. K. Gorodetskiy. Sov. metod. v. biohokh., 1:311-316 '64.

Interrelationship between insulin and streptozanthin in the process of glucose transport. A. S. Oganesian, A. A. Demircihian, E. K. Kazarova. Izv. AN Arm. SSR, Biol. nauk 18 no. 4:3-8 An '65.

Energy relationships between bioluminescence and respiration of luminescent bacteria I.I Gitel'son, R.I Chumakova, A.M Fish Biofizika 10 no.1:100-104 '85

Enzymatic method of the quantitative determination of glucose in the blood by means of the native glucose oxidase preparation. V. K. Gorodetskii. Sovr. metod. v biohim. 1.311-316 '64.

Use of SC-1 cation exchanger for obtaining and purifying glucose oxidase. N. V. Pokrovskaya, E. A. Chistiakova. Prikl. biohim. i mikrobiol. 1 no. 1.118-122 Ja '65.

Simpozium po voprosam p oizvodstva i primeneniia  
glukozooksidazy. Kiev, 1964. [Proteins in medicine  
and the national economy, blood proteins, glucose  
oxidase] Bel'i v meditsine i narodnom khoziaistve,  
belki krovi, glukozooksidaza. Respublikanski mezh-  
vedomstvennyi sbornik, seria "Molekuliarnaia biolo-  
giia" Kiev, Naukova dumka, 1965. 247 p.

Synthesis of dihydrouridine diphosphate glucose. N. K. Kochetkov and others. *Izv. AN SSSR. Ser. khim.* no. 5: 914-915 '65.

Changes in the maltase activity of pitching yeast during its growing process. V. P. Kozlovets. Khleb, i kond. prom. 9 no. 5, 18-19 My '65

Method of isolation and determination of the activity of  $\beta$ -glucuronidase M. A. Kriekhova Sovr metod y biokhim 1316-321 '64

Effect of plasticizers on the properties of glue P. A.  
Popriadukhin, I T Zagoruiko Poligrafina no 5 32-31  
My '65

Study of factors affecting the process of gelatin and glue  
production. O. O. Babolian, I S Shestakova Izv. vys.  
sheb zav , tekhn leg prom no 2-88-88 '65.

Maintain legality in the work of rural soviets. IU. Shemshuchenko Rad pravo 28 no 2:31-33 Mr-Apr '65.

Ammonia-glutamic acid-glutamine system in the brain of rats in various phases of hypohormia. JA I Vekster, Z S Gershenovich. Ukr biokhim.zhur 34 no.3:106-115 '62.

Controlled synthesis of inhibitors of enzymatic glutamic acid transformations. R. M. Khomutov, E. S. Severin, G. K. Kovaleva. Dokl. AN SSSR 161 no.5:1227-1230 Ap '65

Decarboxylase of glutamic acid. I B Ostretsova, I A. Sytinski Ukr biokhim zhur 34 no.3:456-474 '62

Isolation of coenzyme-quasisubstrate complex from aspartic-glutamic transaminase. E. A. Malakhova, I. U. M. Torchinskii Dokl AN SSSR 161 no. 5:1224-1226 Ap '65

Ammonia-glutamic acid-glutamine system in the brain of rats in various phases of hypothermia IA.I Vekaler, Z.S Gershenovich, Ukr.biokhim.zhur 34 no 3:405-415 '62

Some characteristics of the formation of ammonia and glutamine in the muscles during ischemia, V.N. Okuniey, Ukr biokhim zhur 34 no 3:394-399 '62.

Effect of  $D_2O$  on physical properties of gluten and wheat dough. A. B. Vafar, A. I. A. Pumplanskii, L. V. Semenova. Prikl. biokhim. i mikrobiol. 1 no. 1:5-24 Jan-F '65.

Improve the methods for determining gluten. I. Sinev. Muk. - elev. prom. 31 no. 4:21-22 Apr '65.

Seasonal changes in the glyceride composition of butterfat Kh. A. Eller *Izv. vys. ucheb. zav., pishch. tekhn.*  
no 2-34-37 '65

Photochemical hydroxylation of allyl alcohol to glycerol  
by hydrogen peroxide in the presence of  $O_3O_4$  in  $H_2O$ <sup>16</sup>  
solution L. V. Sullma, Zhur.org khim. 1 no 1:75-78  
Ja '65

Oxydo compounds, Part 18: Interaction of monoalkyl-substituted glycidols with aniline and piperidine. V.I. Pansevich-Kollada, T. A. Galysheva Zhur. org. khim., 1 no. 1 172-174 Ja '85.

Chemical reactions of phthalylglycine vinyl ether. E. S. Shapiro, M. F. Shostakovskii, *Izv. AN SSSR. Ser. khim.* no. 3:528-529 '65.

**Histochemical characteristics of glycogen in cancerous tumors of the larynx.** T. L. Tokhadze. Soob. AN Gruz. SSR 37 no. 3 701-708 Mr '65.

Synthesis of herbicides. Part 14: Alkyl esters of  $\alpha$ -chloro and  $\alpha$ -trichloroacetyl glycolic acids. V. V. Dovlalian, T. O. Chakrian, K. A. Eliazian. Izv. AN Arm. SSR, Khim. nauki 18 no 1:38-43 '65.

Chemistry of polyene and polyacetylene compounds, Report No. 12. Hydration of tertiary alcohols and glycols of the diacetylenic series. B. I. Guneev, I. I. Nazarova, V. F. Kucherov. Izv. AN SSSR, Ser. khim., no. 4:688-692 '65.

Condensation of phenols with acetylenic  $\gamma$ -glycols in the presence of phosphoric acid. A. I. Kakhnashvili, D. Ia Bugianishvili, R. Macharadze. Soob. AN Gruz. SSR 3/ no. 3:573-580 M: '65.

Dehydration of tertiary diacetylenic glycols. S. A. Vnrtanjan, S. K. Pirenian, R. V. Tokmadashvili. Izv. AN Arm. SSR Khim. nauki 18 no. 1:120-127 '65.

Glycol ethers and their derivatives. Part 97: Synthesis of  $\gamma$ -chloroethers of the aromatic series. Shamkhal Mamedov, A. S. Agaev. Zhur. org. khim. 1 no. 1:60-71 Ja '65.

Glycol ethers and their derivatives. Shamkhal Mamedov, V. R. Gadzhiev, A. S. Rzaev. Azerb. khim. zhur. no. 3:75-82 '64.

New single-stage way of synthesizing steroidal 16 $\alpha$ -, 17 $\alpha$ -diols from keto oxides. A. A. Akhmed and others. Dokl. AN SSSR 162 no. 4:911-913 Ja '65.

Reaction of the monovinyl esters of glycols with triethyltin chloride. M. F. Shostakovskii and others. Zhur. ob. khim. 35 no. 4:761 Ap '65.

Synthesis of primary-tertiary acetylenic  $\delta$ -glycols. M. F. Shostakovskii and others. Izv. AN SSSR, Ser. khim., no. 4:709-712 '65.

Some problems of interrelationship between the pentose cycle and glycolysis in the blood. I.D. Holovenko'kyi  
Ukr.biokhim zhur. 34 no. 3:435-44? '62

Glycopeptides. Report No. 13: Synthesis of  $\alpha$ -aminoacyl derivatives of N-acetylglucosamine. V. M. Kalinevich, V. A. Derivitskaya, N. K. Kochetkov. Izv. AN SSSR. Ser. khim. no. 3:496-502 '65.

Determination of glycoproteins in electrophoretic fractions of the blood serum. O. M. Kostukovskaya. Sov. metod. v biokhim. 1 123-129 '64.

Glycosides from *Acanthopanax sessiliflorum* Loeb.  
L. A. Elitakova, G. B. Litakov. Izv. AN SSSR, Ser. khim.  
no. 3:555-556 '65.

Isolation and chemical properties of anthraglycosides from  
*Rhamnus frangula* L. bark. O. F. Koval'ov, Farmatsey.  
zhur 10 no 1:25-32 '64.

Mass spectrometric study of carbohydrales, Report  
No. 3. Mechanism of decomposition of 2, 3, 4, 6-tetra-  
methyl-D-glycoside. N. K. Kochetkov and  
others. Izv. AN SSSR, Ser. khim. no. 5:776-785 '65.

**ONEISS** see subdivision under Amazar Valley;  
Kazakhstan

(see also subdivision under Aral Sea)  
Mechanization of cutting gobies for canning. V.I. Baev.  
Ryb.khoz 41 no.4 66-69 '65.

(see also subdivision under Krasnoyarsk Territory;  
Rovno Province; Tiumyr National Area)

Collier of the posterior madrasahum. I, G. Gurbanov, D. D. Zakirdzhaev. *Azorb. med. zhur.* 42 no. 1:87-80 Ja '65.

Importance of the age factor in the development of autoimmune reactions in the tissues of the thyroid gland in women without thyroid pathology and patients with non-toxic goiter. A. M. Rasikin. *Probl. endok. i gorm.* 11 no. 118-21 Ja-F '65.

Treatment of diffuse toxic goiter with potassium perchlorate combined with reserpine. V. G. Buranov, N. F. Nikolaenko, G. S. Stepanov. *Probl. endok. i gorm.* 11 no. 118-9 Ja-F '65.

(see also subdivision under Ural Mountain region)  
Chemical forms of gold in sea water. B. I. Peshchevitskii, G. N. Anoshin, A. M. Erenburg, Dokl. AN SSSR 162 no. 4:916-917 Ja '68.  
Luminescent properties of gold activated zinc-sulfide-selenide luminophors L. A. Golikova, R. I. Smirnova. [Trudy] GIPKh no. 51:97-101 '64.  
Manners of the "free" world: History of a firm. 1. A. Nov. vrem 23 no. 2:42-77 Ja '68.

**GOLD MINES AND MINING** see subdivision under  
Altai Mountains

(see also subdivision under Kokpatas Mount; Leningorsk region; Sayan Mountains; Tamdytau)  
Correlation of the scales of indigenous and placer gold potentials in various gold-bearing provinces of the world. S.D.Sher. Sov.geol. 8 no.3:3-9 '65.

## GOLD STANDARD

Genetic significance of the gold standard in endogenous deposits. R. P. Badalova, S. T. Badalov. *Uzb. geol. zhur.* 11 no 5 67-71 '61

## GOLDEN SECTION

Perception of the "golden section." V. I. Arabadzhi. *Priroda* 54 no 5:108-109 My '65

## GOLDSZMIT, HENRYK, 1872-1942

He taught to love children. M. P. Nizhyn'skiy. *Rad shk.* 41 no 5 12-33 My '65

## GOLONDAYA STEPPE—COTTON—FERTILIZERS AND MANURES

Effectiveness of the placement of nitrogen fertilizers before and during the planting of cotton in virgin soils of the Golodnaya Steppe. K. M. Razvykov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5 235-243 '61.

Methods for embedding fertilizers placed before sowing in plowed soil. G. A. Kondrat'eva. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5 161-173 '61

## GOLONDAYA STEPPE—COTTON—IRRIGATION

Studying the irrigation system for cotton growing in newly reclaimed virgin soils of the Golodnaya Steppe. T. Mirzhashimov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5 329-337 '61

## GOLONDAYA STEPPE—COTTON GROWING

Intensification of the production of cotton on state farms in the Golodnaya Steppe. I. U. V. Kotov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5:3-16 '61

Land improvement effectiveness of two-depth plowing in the Golodnaya Steppe. A. A. Avtonomov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5 136-146 '61

Selecting the most suitable first crops for newly reclaimed highly salinized soils in the Golodnaya Steppe. K. Abdurazakov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5:365-371 '61.

## GOLONDAYA STEPPE—PEAS—IRRIGATION

Irrigation system for peas in the Golodnaya Steppe. A. Makhambetov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5:295-302 '61

## GOLONDAYA STEPPE—SALINE AND ALKALI SOILS

Selecting the most suitable first crops for newly reclaimed highly salinized soils in the Golodnaya Steppe. K. Abdurazakov. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5:365-374 '61

## GOLONDAYA STEPPE—SOIL MOISTURE

Chemical and hydrochemical characteristics of soils containing gypsum layers. V. G. Lunev. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5:264-275 '61

## GOLONDAYA STEPPE—SOILS—TRACE ELEMENT CONTENT

Chemical and hydrochemical characteristics of soils containing gypsum layers. V. G. Lunev. *Sbor. nauch. rab. asp. SoluzNIKHI* no 5:264-275 '61.

## GONADOTROPIN

Effect of the stimulation and removal of the uterus on the gonadotrophic functions of a desympathized hypophysis. O. P. Lisogor. *Trudy Khur. med. inst.* no 30: 77-83 '57.

Stimulating sexual function in Karakul sheep using hormonal neurotropic preparations. S. I. Inditskaya. *Dokl. Akad. sel'khoz. nauk* no 2:30-32 F '65.

GOOSEBERRIES see subdivision under Russia, Northwestern

## GORKI LENINSKIYE—RUSSAL SCHOOLS

In a school dedicated to the memory of V. I. Lenin. K. A. Ivanovich, I. U. D. Duranevich. *Sov. pedag.* 20 no 4:53-60 Ap '65.

## GORKII, MAKSIM, 1868-1936

'Great classical example.' L. I. Ueva. *Vop. lit.* 9 no 4:230-231 Ap '65.

Kolontikova, E. A. [M. Gorkii's story "Vengeance" published in the Kazan newspaper "Volzhskii vestnik" in 1893] *Rasskaz M. Gorkogo "Mest", opublikovannyi v kazanskoi gazete "Volzhskii vestnik" v 1893 godu, [Kazan'] Izd-vo Kazanskogo univ., 1961. 38 p. [MICROFILM]*

Ovcharenko, A. I. [The epic novel "Life of Klim Samgin" by M. Gorkii] *Roman-epopei M. Gorkogo "Zhizn' Klim Samgina."* Moskva, Khudozhestvennaya literatura, 1965. 104 p. (Massovaya istoriko-literaturnaya biblioteka)

Samarin, R. M. [Gorkii's conception of world literature] *Kontseptsia mirovoi literatury Gorkogo.* Moskva, Vysshaya shkola, 1965. 58 p. (Sovremennaya zarubezhnaya literatura)

Shrotina, V. A. [Gorkii, the master of satire; verbal means of satire in Gorkii's journalism of the Soviet years] *Gorkii - master satiry; rechevye sredstva satiry v gorkovskoi publitsistike sovetskikh let.* [Kiev] Izd-vo Kievskogo univ., 1964. 103 p. (NJP)

The writer, art, and science. N. Ivanov. *Vop. lit.* 9 no 4:206-212 Ap '65

GORKII, MAKSIM, 1868-1936—BIBLIOGRAPHY see Bibliography—Gorkii, Maksim, 1868-1936

## GORKII—AUDITING AND INSPECTION

Always at his post. N. Konakov. *Iart. zhizn'* no. 10: 66-67 My '65

## GORKII—CITY TRAFFIC—ACCOUNTING

Machine accounting for materials. A. Glukhov. *Bukhg. uchët* 21 no 10:32-37 O '61.

## GORKII—ELECTRONIC DATA PROCESSING—RAILROADS

Electronic computers and the Gorkii Railroad. I. E. Gubskii. *Zhët. dor. transp.* 17 no 3:82-83 Mr '65

## GORKII—GUIDEBOOKS

[City of Gorkii, a brief guidebook]. Goid Gorkii; kraiki spravochnik. 2. Ispr. i dop. izd. [Gorkii] Volgo-Vlatskoe knizhnoe izd-vo, 1964. 166 p. illus. (CS-II)

## GORKII—MACHINERY INDUSTRY—STANDARDS

Standardization at the "Krasnoe Sormovo" Plant. S. N. Poryvalinskii. *Standartizatsia* 20 no 3:56-58 Mr '65

## GORKII—TELEPHONE—EMPLOYEES

To keep the subscribers satisfied. V. A. Zaitov, O. G. Razvaeva. *Vest. svyazi* 25 no 3:19-20 Mr '65

## GORKII PROVINCE—AFFORESTATION

Growth of pine and deciduous species depending upon the complex of environmental conditions in the exhausted peat bogs of Gorkii Province. P. A. Leshov. *Sbor. rab. po les. khoz.* no. 16:120-149 '63

## GORKII PROVINCE—GEOMORPHOLOGY

Meteorite origin of the Puchezh-Katunki crater. L. F. Firsov. *Geotektonika* no. 2:106-110 Mr-Apr '65.

## GORKII PROVINCE—LIBRARIES

Useful conference. T. Vagina. *Bibliotekar'* 12 no. 3: 30 Mr '65.

## GORKII PROVINCE—PEAT BOGS

Growth of pine and deciduous species depending upon the complex of environmental conditions in the exhausted peat bogs of Gorkii Province. P. A. Leshov. *Sbor. rab. po les. khoz.* no. 46:129-149 '63.

## GORKII REGION—COMMUNITY AND SCHOOL

In the environments of Gorkii. Viktor Karpenko. *Sem'ia i shkola* 20 no 5:26-28 My '65

## GORNAYA SHORIYA—SKARNS

Genesis of iron skarn deposits in Western Siberia; volcanic sedimentary genesis of some deposits in the Kazskaya group. I. V. Derbikov. *Trudy SNIIGIMS* no. 35:82-100 '64

## GORNO-ALTAI AUTONOMOUS PROVINCE—POSTAL SERVICE

Support stations on postal routes. A. E. Matukhovich. *Vest. svyazi* 25 no 5:28 My '65.

## GORODETS (GORKII PROVINCE)—SHIPYARDS

Reporting from the Gorodets Ship Repairing Yard. K. Kolokolnikov. *Rech. transp.* 24 no. 4:36-38 '65.

## GOSSYPOL

Markman, A. L., and V. P. Rzhikhin. [Gossypol and its derivatives]. *Gossypol i ego proizvozhnyye.* Moskva, Pishchevaya promyshlennost', 1965. 243 p.

## GOSSYPOL—ANALYSIS

Simplified analysis method for determining gossypol content. A. L. Markman, M. D. Makhmadaminov. *Maslozhir. prom.* 31 no. 2:11-12 F '65

## GOURDS

Anatomy of the fruit of *Bemisia Savi* and its similarity with the anatomy of fruits of gourd and melon. B. T. Matlenko. *Izv. AN Mold. SSR* no. 10:43-53 '63.

## GOVERNMENT OWNERSHIP

[see also subdivision under Austria; States, New] Structure of state capitalism in the transition period. E. I. Ueva. *Nauch. dokl. vys. shkoly; ekon. nauki* 8 no. 3:63-69 '65.

## GRADING

Evaluating the consumer quality of production according to organoleptic indices. N. A. Razumov, S. G. Mezhlumian. *Standartizatsia* 20 no 3:7-12 Mr '65.

## GRADING AND MARKING (STUDENTS)

Evaluating and grading of the students' knowledge and skills. G. E. Minin. *Shkola i proizv.* 9 no. 4:38-39 Ap '65.

Use of chemical experiments and visual aids during the evaluation of student knowledge, skills and habits in chemistry. K. G. Bondareva. *Izv. APN* no 134:126-145 '61

## GRAFTING

Studying the aerial part of filbert and methods for its vegetative propagation. S. E. Kuznetsov. *Sbor. nauch. issl. rab. VNIAMI* no 28:48-51 '60

## GRAIN

Biology of the maturation of embryos in some cereals. M. M. Blaskovskii. *Dokl. Akad. sel'khoz. nauk* no. 2:13-16 F '65

## GRAIN—CLEANING

[see also subdivision under Peschanokopskoye region, Rostov Province]

Optimization of the process of separating grain mixtures on sieves. V. D. Shepvalov, A. G. Puranov. *Trakt. i sel'khoz. mash.* no 117-20 Mr '65

GRAIN—DISEASES AND PESTS see subdivision under Volga Valley

GRAIN—DRYING see subdivision under Topchikhin region

GRAIN—FERTILIZERS AND MANURES see subdivision under Siberia, Western

## GRAIN—FIELD EXPERIMENTS

Field experiments in the differentiated growing and harvesting of grain crops in field sections edging shelterbelts. A. A. Komlev. *Sbor. nauch. issl. rab. VNIAMI* no 28:26-33 '60

## GRAIN—GRADING

Determining the quality of received grain. Zakup. sel'khoz. prod. no 3:48 Mr '65.

## GRAIN—PRICES

Some problems of financing and issuing credit to agriculture under the new conditions. S. Nedelin. *Fin. SSR* 39 no. 5:12-22 My '65.

## GRAIN—STORAGE

[see also subdivision under Moscow, Russia, Northern] In full readiness! V. Baitimchenko. *Zakup. sel'khoz. prod.* no 3:13-15 Mr '65

Store state supplies of grain and grain products without loss. Muk. -elev. prom. 31 no 4:1-2 Ap '65.

Temporary distribution of grain. V. Tevosian. *Zakup. sel'khoz. prod.* no. 3:59-60 Mr '65

Ways for reducing the biological loss of grain during storage. L. A. Trilavskii. *Izv. TSKIA* no. 5:122-134 '61.

We will be fully prepared to receive the new harvest. *Zakup. sel'khoz. prod.* no. 5:30 My '64.

## GRAIN—TRANSPORTATION

Motor truck for flour transportation adapted for grain transportation. S. Dolotov. *Muk. -elev. prom.* 31 no. 1:16-17 Ap '65.

GRAIN BREEDING see subdivision under Virgin Territory

## GRAIN ELEVATORS

[see also subdivision under Sweden]

Preparation of the technical base of grain procurement centers should be accomplished at a rapid pace. *Zakup. sel'khoz. prod.* no 3:1-3 Mr '65.

"Tight spots" in the work of grain procurement centers. A. Romanov. *Zakup. sel'khoz. prod.* no. 3:6-8 Mr '65.

GRAIN ELEVATORS—MANAGEMENT see subdivision under Stavropol Territory

## GRAIN HANDLING

[see also subdivision under Pochep District]

For new work achievements. Muk. -elev. prom. 31 no. 5:1-2 My '65.

Preparation of the technical base of grain procurement centers should be accomplished at a rapid pace. *Zakup. sel'khoz. prod.* no. 3:1-3 Mr '65.

"Tight spots" in the work of grain procurement centers. A. Romanov. *Zakup. sel'khoz. prod.* no. 3:6-8 Mr '65.

## GRAIN HANDLING—EQUIPMENT AND SUPPLIES

Pay more attention to the problems of material and technical supply. A. Kopelevich. *Muk. -elev. prom.* 31 no. 4:24-25 Ap '65.

## GRAIN-HANDLING MACHINERY

[see also subdivision under Russia, Northern]

Durov, I. N. [Machinery for harvesting and processing of grain crops; theory, construction, and calculations] *Mashiny dlia uborki i obrabotki zernovykh kul'tur; teoriya, konstruktivnaya raschet.* Moskva, Mashinostroenie, 1964. 511 p.

(DNL)

Nonuniformity of the movement of the particles of free flowing products through an inclined rotating drum. V. I. Valubskii. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 2:127-131 '65.

Settling of heavy particles under the conditions of vibratory separation of grain mixtures. E. A. Napomnashchii. *Izv. vys. ucheb. zav., pishch. tekhn.* no 2:132-135 '65.

Nov. vsem. 23 no 21-21 Ja '65  
British Parliament and the agricultural in Vietnam  
K. Zhilacov Nov vsem. 23 no 21-21 Ja '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

**GRAPHIC TECHNOLOGY—TECHNOLOGICAL**  
The struggle for  
Mashinostroi'tel' no 5:17-18 My '65

no. 4:17-18 Ap '65.  
**GRAPHITE—TESTING**  
Friction of graphite materials at high temperatures in a vacuum or gas media. A. P. Semenov, V. V. Pozdnjakov. Mashinostroi'tel' no 1:91-103 '65.

**GRASSES**  
(see also subdivision under Tien Shan)  
Availability of nitrogen to the root systems of leguminous and graminaceous species, based on data of a study using the isotope  $N^{15}$ . N. I. Cherepov. Agrokhimika no 1:23-27 Ja '65

Effect of graminaceous and leguminous grass mixtures and organic fertilizers on the microbiological processes in subtropical Podzolic soils. N. T. Kyvatskella, K. K. Giamshidze, M. E. Dzhalil. Soob AN Gruz SSR 29 no. 1:73-80 Ji '62

Methods of shoot formation study in perennial grasses in dense stands. B. I. A. Sigalov. Biol. Glav. bot. otd. no 5:228-31 '64.

**GRASSES—FERTILIZERS AND MANURES** see subdivision under Saym Valley

**GRAVEL**  
Improving the quality of gravel. D. I. Sadovenko. Avi. dor. 28 no 4:19 Ap '65.

**GRAVITATION**  
Interaction of elementary particles with a gravitational field in the general theory of relativity and in the generalized linear theory of gravitation. M. P. Korkina. Ukr. fiz. zhur. 10 no 5:497-507 My '65.

Some types of gravitational fields with gravitational waves. V. D. Zakharov. Vest. Mosk. un. Ser. 3: fiz., astron. 20 no 2:59-64 Mh-Ap '65

**GRAVITY**  
Analysis and comparison of computation graphs used in calculating the second vertical potential derivative. O. M. Rasopov. Izv AN SSSR Fiz. zem. no 1:116-120 '65

An inverse problem in the theory of logarithmic potential. V. N. Strakhov. Izv AN SSSR Fiz. zem. no 1:90-97 '65

**GRAVITY—MEASUREMENT** see subdivision under West Siberian Plain

**GRAVITY—PHYSIOLOGICAL EFFECT**  
Effect of changes in the gravitational field on the coordination of voluntary movements of men. L. V. Chkhaidze. Soob AN Gruz SSR 28 no. 5:593-600 My '62

**GRAVITY ANOMALIES**  
Curves of the relative form of gravity anomaly for vertically bounded dome structures. I. E. Bulakh, L. H. Evshkova. Dop AN URSR no 5:587-590 '65

Method for determining the gravitational anomalies determined by an inclined contact surface. V. I. Kononov, V. A. Churlin. Neftegaz geol. i geofiz. no 1:48-51 '65.

**GRAVITY PROSPECTING**  
Determination of the excess density and the depth of the occurrence of crystalline basement rocks based on gravity measurements. V. B. Naugol'nikov. Razved. geofiz. no 2:75-80 '64

Integration of the horizontal H-component of the intensity of a magnetic field using the analytic method. A. A. Lubimov, V. I. Pavlovskii. Razved. geofiz. no 2:92-93 '64.

Solution of a gravimetric inverse problem for some simple bodies. O. A. Shvank. Razved. geofiz. no. 2:72-74 '64.

**GRAVITY PROSPECTING—EQUIPMENT AND SUPPLIES**  
Quartz gravimeter-altimeter (anomaly gage), P. I. Lukavchenko, G. A. Danilov. Razved. geofiz. no. 2:53-68 '64.

**GREAT BRITAIN—CHILD STUDY**  
Social psychology of education in Great Britain. A. N. Senbaum. Nar. obr. no 5:101-104 My '65.

**GREAT BRITAIN—ECONOMIC CONDITIONS**  
The unchanging refrain. Ian Stewart. Vsem. prof. dvizh. no. 3:18-21 My '65.

**GREAT BRITAIN—ECONOMIC POLICY**  
British economic problems and Labor policy. E. Khesin. Mir. ekon. i mezhdunar. otn. no. 6:50-61 '65.

**GREAT BRITAIN—EDUCATION**  
Social psychology of education in Great Britain. A. N. Senbaum. Nar. obr. no. 5:101-104 My '65.

**GREAT BRITAIN—FOREIGN RELATIONS—FRANCE**  
Wilson's Paris "weekend." S. Beglov. Mezhdunar. zhizn' 22 no. 5:125-126 My '65.

**GREAT BRITAIN—LABOR PARTY**  
British economic problems and Labor policy. E. Khesin. Mir. ekon. i mezhdunar. otn. no. 6:50-61 '65.

Nov. vsem. 23 no 21-21 Ja '65  
British Parliament and the agricultural in Vietnam  
K. Zhilacov Nov vsem. 23 no 21-21 Ja '65

**GREAT BRITAIN—RAILROADS—SIGNALING**  
Sectionalizing of track circuits for a jointless track. Avtom. telet. i avtom. no 5:16-17 My '65

**GREAT BRITAIN—THEATER**  
Anist, A. A. [Theater of the Shakespearean era] Teatr opokhi Shchepkina [Moskva] Izdatel'stvo, 1965. 327 p.

**GREAT BRITAIN—WAGES**  
The unchanging refrain. Ian Stewart. Vsem. prof. dvizh. no 3:18-21 My '65.

**GREEK INSCRIPTIONS** see Inscriptions, Greek

**GREEK POETRY—TRANSLATIONS INTO GEORGIAN**  
One peculiarity of Efrim Mudraka translation method. E. G. Khutabidze. Soob AN Gruz SSR 27 no 1:115-117 Mr '65.

**GREEN MANURING**  
Action and aftereffect of green manure on the yield of cotton. Zh. Fiziol. ov. Shch. nach. i ob. up. Sush. N. II. no. 5:68-65 '61

Green manure as an important means for increasing farm plant yield in the Podzolic soils of Ivanovo Province. A. V. Vatinin. Shch. nach. i ob. up. Ivan. sol'khoz. inst. no. 2:27-45 '63.

**GREENLAND—ICE**  
Changes in the mass of the ice cover in central Greenland. P. A. Shumskii. Dokl. AN SSSR 182 no. 2:320-322 My '65.

**GREEN'S FUNCTIONS**  
Estimation of a Green function for the Helmholtz equation in the shadow zone. V. M. Babich. Vest. LGU 20 no 7:5-15 '65

Method of quantum Green functions in nuclear reaction theory. E. A. Zhitovskiy. Izd. fiz. 1 no. 1:496-600 Ap '65.

Number of diagrams for Green's two-particle function of interacting fermions. A. A. Akopjan. Ukr. fiz. zhur. 10 no 5:508-511 My '65

**GREENSTONE** see subdivision under Mugodzhur Hills

**GREWE, WILHELM, 1811-**  
Professor Grewe "in forma" NATO. M. Zaporozhka. Mir. ekon. i mezhdunar. otn. no. 6:92-93 '65.

**GRIBOEDOV, ALEKSANDR SERGEVICH, 1795-1820**  
Spitsyn, N. A. [Griboedov in school: a teachers' manual] Griboedov v shkole; posobie dlia uchitel'ov. Izd. 2., pere. i dop. Moskva, Prosvetshchenie, 1964. 139 p. (NIC)

**GRIEG, EDVARD HAGERUP, 1843-1907**  
Mikheeva, L. V. [Edvard Grieg, 1843-1907: a short sketch of his life and works] Edvard Grieg, 1843-1907; kratkii ocherk zhizni i tvorchestva. Moskva, Muzyka, 1965. 104 p. (Kulzhka dlia imushchestva)

**GRIGNARD REAGENTS**  
Conditions for the formation of the p-p bond in the action of Grignard reagents on thiophosphoryl halides. G. M. Bogolubov. Zhur. ob. khim. 35 no. 4:751 Ap '65.

**GRINDING AND POLISHING**  
Automatic hardening of plane surfaces. V. K. Vasin. Mashinostroi'tel' no. 4:4 Ap '65.

Burov, V. S., L. T. Tatarskiy, and V. A. Dergachev. [Lapping with diamond pastes. Using diamonds in lapping; practice of the "T"ich" Abrasives Plant] Dovidka almaty-nymi pastami. Primenenie almatov pilkhonluyovani; opyt abrazivnogo zavoda "T"ich. Leningrad, 1965. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Mekhanicheskaya obrabotka metallov)

Calculating adjustment parameters for grinding cutting tools. N. P. L'vov. Mashinostroi'tel' no. 5:31 My '64.

Contact method for the determination of temperatures and thermal fluxes in grinding. M. P. Shatunov, V. P. Sovkin. Izv. vyz. ucheb. zav.; mashinostroi'tel' no. 2:173-180 '65.

Equipment for burnishing external cylindrical surfaces. I. N. Zinevich, G. L. Komandirov. Mashinostroi'tel' no. 4:2-3 Ap '65

Investigating the temperatures in grinding. B. D. Danilenko. Izv. vyz. ucheb. zav.; mashinostroi'tel' no. 4:173-177 '65.

**GRINDING MACHINES**  
Introducing the 56 automatic grinding machine for grinding grooves of outer races. N. A. Smagin. Fiz. tekhn. i ekon. inform. Gos. nauch.-issl. inst. nat. i tekhn. inform. 18 no. 3:24-25 Mr '65.

**GRINDING MACHINES—ATTACHMENTS**  
Attachment for grinding and lapping cutting tools. G. G. Mironov. Mashinostroi'tel' no. 4:16 Ap '65.

**GRINDING WHEELS**  
Diamond machining of a hard-alloy tool. V. N. Bakul' and others. Trakt i sel'khoz mash. no. 3:33-35 Mr '65

**Investigating methods for straightening grinding wheels**  
O. M. Geifeld, Stan. inatr. 36 no. 1:27-28 Ap '65.

**Lobed flexible grinding wheel.** B. P. Barmin. Mashinostroitel' no. 5:10-18 Mr '65.

**Movement of the spindle of a grinding wheel with an eccentrically concentrated mass.** S. E. Bondar'. Mashinovedenie no. 1:78-85 '65.

**GRIPPE** see Influenza

**GRISOFLUVIN—THERAPEUTIC USE**  
Methodology of the treatment of onychomycosis patients with grisofulvin combined with surgical removal of the affected nails. T. L. Savel'eva, V. A. Lenatovich. Sov. med. 28 no. 1:124-127 Ja '65

**GRODNO—CITY PLANNING**  
Planning of Grodno during the period from the 16th to the 18th century. E. D. Kvintitskaya. Arkh. i. nos. 17:11-38 '64

**GRODNO—HISTORY**  
[Grodno; an historical essay] Grodno; istoricheskii ocherk. 2, 1 spr. 1 dop. 1 zd. Minsk, Belarus', 1964. 260 p.

**GRODNO PROVINCE—FIELD CROPS**  
Intensification of agricultural production and the improvement of soil fertility. I. TS. Charnauski, M. A. Zhylynski. Vestn. AN BSSR Ser. sel'khoz. no. 1:12-19 '65

**GROSS NATIONAL PRODUCT—STATISTICS**  
The gross national product and investments in the principal capitalist countries. A. G. Gichikhin. Mir ekon. i mezhdunar. otn. no. 6:154-158 '65.

**GROUND BEETLES** see subdivision under Armenia; Kustanay Province

**GROUP PSYCHOTHERAPY**  
Results of collective treatment (culture therapy) in a day hospital. A. M. Voskresenskaya. Zhur. nev. i psikh. 85 no. 5:766-769 '65.

**GROUPS, AGE** see Age groups

**GROUPS, THEORY OF**  
Automorphism groups of group rings of right-ordered groups. D. M. Smirnov. Alg. i log. 4 no. 1:31-45 '65

**Commutative bands of semigroups with contraction.** I. E. Burmistrovich. Sib. mat. zhur. 6 no. 2:284-299 Mr-Apr '65.

**Duality of complex characters and semicharacters of commutative semigroups.** M. M. Lesokhin. Mat. sbor. 66 no. 3:378-383 Mr '65.

**Existence of noninvariant soluble subgroups of a finite insoluble group.** I. A. G. Berkovich. Mat. sbor. 66 no. 3:458-470 Mr '65.

**Finite groups with a pair of nonadjoint nilpotent maximal subgroups.** V. A. Belonogov. Dokl. AN SSSR 161 no. 6:1255-1256 Ap '65.

**Free resolutions and intersections of primitive classes of algebras.** T. M. Babanovich. Mat. sbor. 67 no. 1:135-153 My '65.

**Homogeneous algebras.** A. I. Kostrikin. Izv. AN SSSR, Ser. mat. 20 no. 2:471-484 '65.

**Homology groups relative to a pair of groups of coefficients from the axiomatic point of view.** D. O. Baladze. Soob. AN Gruz. SSR 20 no. 5:521-528 My '62.

**Infinite Fröbenius groups.** I. U. M. Gorshakov. Alg. i log. 4 no. 1:15-20 '65.

**Irreducible representations of commutation and anti-commutation relations.** V. I. A. Golodets. Usp. mat. nauk. 20 no. 2:175-182 Mr-Apr '65.

**Local finite semigroups.** L. N. Shevrin. Dokl. AN SSSR 162 no. 4:770-773 Je '65.

**Matrix elements of infinite-dimensional representations of a rotation group.** S. S. Sannikov. Ukr. fiz. zhur. 10 no. 4:453-455 Ap '65.

**On the conjugacy and word problems.** M. Gröndlinger. Izv. AN SSSR, Ser. mat. 20 no. 2:245-258 '65.

**Ordered groups with multiple operators.** D. M. Smirnov. Sib. mat. zhur. 6 no. 2:433-458 Mr-Apr '65.

**Soluble groups and cross products.** A. E. Zaleskii. Mat. sbor. 67 no. 1:154-160 My '65.

**Some aspects of the physical applications of unitary groups.** A. A. Komar, V. I. Man'ko. Izd. fiz. 1 no. 4:693-700 Ap '65.

**Some remarks on groups with a single minimal system of Sylow classes.** S. P. Azletskii. Ukr. mat. zhur. 17 no. 2:106-107 '65.

**Structural properties of idempotent semigroups.** Part 1. L. N. Shevrin. Sib. mat. zhur. 6 no. 2:450-474 Mr-Apr '65.

**Theory of topological groups.** V. P. Platonov. Dokl. AN SSSR 162 no. 4:755-758 Je '65.

**Transformation semigroups of a rank not above two.** B. V. Popov. Dokl. AN SSSR 161 no. 5:1110-1122 Ap '65.

## GROWTH

Changes in the wall of a vascular autotransplant and its immersion in a growing organism, experimental study. N. L. Chumachenko. Vest. khir. 33 no. 12:59-65 D '64

Characteristics of the postnatal growth of viscera in Berkshire and Mangalia swine and their crosses with Large White swine. V. G. Ogi. Trudy mol. uch. UASHN no. 9:21-27 '63.

**GROWTH (PLANTS)**  
Characteristics of shoot formation in *cleranthifolium* Pyrethrum. F. A. Vereshchako. Biol. Glav. bot. sada no. 56:19-27 '64.

Characteristics of the shoot formation of *Poa pratensis* L. depending on soil moisture. G. P. Serafa. Bot. zhur. 50 no. 3:425-429 Mr '65.

"Gravitron", an automatic laboratory installation for long-term continuous recording of changes in the biomass of plants and the simultaneous determination of the amount of water absorbed by their root systems. O. V. Ivanov. Bot. zhur. 50 no. 4:517-522 Ap '65.

Methods of shoot formation study in perennial grasses in dense stands. B. I. A. Sigalov. Biol. Glav. bot. sada no. 56:28-31 '64.

Second blooming and secondary growth of some perennials. T. V. Shul'kina. Biol. Glav. bot. sada no. 56:50-59 '64.

**GROWTH INHIBITING SUBSTANCES**  
Role of natural auxins and inhibitors in the growth of plants. V. I. Kofeli, R. Kh. Turetskaya. Agrokhimia no. 1:119-131 Ja '65

**GROWTH PROMOTING SUBSTANCES**  
(see also subdivision under Sakhalin)  
Common meadow mushroom as a stimulator of the growth and development of plants. A. K. Torov. Bot. zhur. 50 no. 4:528-532 Ap '65.

Effect of the use of growth promoting substances on the fermentation activity of malt. G. I. Fertman. Ferment. i spirit. prom. 31 no. 3:15-19 '65.

Natural growth promoting substances in willow leaves and buds. V. I. Kefel. Dokl. AN SSSR 162 no. 2:462-463 My '65.

**GUANIDINE—THERAPEUTIC USE**  
Stimulation of the contractile activity of the uterus with sperophylline. N. P. Naidenova. Akush. i gin. 40 no. 5:46-51 S-O '64

**GUARDIAN AND WARD**  
Execution of court decisions related to litigations over children. S. Ivanova. Sov. iust. 29 no. 6:17-19 Mi '65.

**GUIDED MISSILE INDUSTRIES** see subdivision under Florida

**GUINEA—FOREIGN ECONOMIC RELATIONS—RUSSIA**  
Answers to readers' questions. Soviet specialists in Guinea. Nov. vrem. 23 no. 2:127-28 Je '65

**GULIASASHVILI, ZAKHARI MIKHAILOVICH, 1867-1914**  
Zakharid Guliasashvili's information on the geography of eastern Georgia. R. L. Kvachkhadze. Trudy Geog. ob-va Gruz. SSR 7:247-250 '63.

**GUL'KEVICH, IURII VALENTINOVICH, 1905-**  
On the 60th birthday of Professor I. V. Gul'kevich. Arkh. pat. 27 no. 4:84-85 '65.

**GULLS—PARASITES** see Parasites—Gulls

**GUMBRIN** see subdivision under Georgia

**GUMISHKHA MOUNTAIN—CAVES**  
Some speleological features of the limestone massif of Gumishkha. E. K. Tintilozov. Trudy Inst. geog. AN Gruz. SSR 20:65-77 '64.

**GUMS AND RESINS**  
Results of introducing the method of salt-free solidification of oleoresins. V. I. Yefimenko. Gidroliz. i koksifik. prom. 18 no. 3:26-27 '65.

**GUMS AND RESINS, SYNTHETIC** see Resins, Synthetic

**GUNSHOT WOUNDS**  
Abdominal injuries in the war. A. A. Bocharov. Voen.-med. zhur. 10:32-33 '64.

External biliary fistulae caused by gunshot. A. I. Chalganov. Voen.-med. zhur. no. 9:69-70 '64.

Pathogenesis of mandibular osteomyelitis of gunshot etiology; experimental study. V. I. Luk'hanenko. Voen.-med. zhur. no. 11:35-40 '64.

Treatment of linear and gunshot fractures of the mandible; clinical experimental study. P. Z. Arzhantsev. Voen.-med. zhur. no. 11:30-35 '64.

**GUNSHOT WOUNDS—COMPLICATIONS AND SEQUELAE**  
Late complications following blind splinter injuries of the lungs. T. V. Stepanova, K. A. Golubeva. Trudy TSNU 66:23-35 '64.

Tomographic studies in gunshot osteomyelitis. A. I. Kurbatov. Vest. khir. 32 no. 6:52-58 Je '64.

## JUSEVKA REGION (MARITIME TERRITORY)—FELDSPAR

Using the "Jusevka stone" in ceramic bodies. T. I. Tataeva, L. N. Nikulina. Stek. i ker. 22 no. 1:14-18 Ap '65

**GUTTA-PERCHA**  
Thermodynamic characteristics of the deformation of chlorinated gutta-percha in a highly elastic state. V. A. Knight and others. Dokl. AN SSSR 161 no. 4:867-870 Ap '65

**GYMNASTICS**  
Movement tempo on a vaulting horse with handles in the higher grade gymnasts. N. I. Ivanov. Teor. i prakt. fiz. kul't. 27 [1 e 28] no. 4:43-44 Ap '65

**GYMNASTICS, MEDICAL** see Exercise therapy

**GYNECOLOGY**  
Furazolidone treatment of trichomoniasis in women. A. P. Kolesov. Sov. med. 28 no. 1:120-121 Ja '65

Medical bibliography in the scientific and practical work of an obstetrician-gynecologist. N. N. Malinkovskii. Akush. i gin. 40 no. 5:140-145 S-O '64.

**GYPSEUM**  
(see also subdivision under Novomoskovsk, Ural Mountains)  
Some characteristics of the formation of gypsum crystals. K. M. Maikova, Zh. Lkhamsuren. Zap. Vses. min. ob-va 94 no. 2:221-230 '65.

**GYROSCOPE**  
Effect of corrections on the drift of a gyroscope in gimbals mounted on a movable basis. D. M. Klimov, I. I. Rabinovich. Izv. AN SSSR, Mekh. no. 1:163-165 Ja-F '65.

A mechanical analogy of a gyroscopic stabilizer having elastically pliable elements. A. I. Ishlinskii. Dokl. AN SSSR 161 no. 6:1201-1204 Ap '65.

Motion of a statically unbalanced gyroscope. L. I. Kargu. Izv. AN SSSR, Mekh. no. 1:157-159 Ja-F '65.

Problem of the stability of gyroscopic systems on a mobile basis. V. M. Matrosov. Trudy KAI no. 71:12-35 '62.

Stability and natural vibrations of nonequidistant gyroscopic systems subjected to external influence. S. A. Chernikov. Izv. vys. ucheb. zav. , prib. 8 no. 2:86-93 '65

Stability of a heavy gyroscope in special gimbals. I. N. Simaitin. Izv. AN SSSR, Mekh. no. 1:154-167 Ja-F '65.

Stability of certain motions of a gyroscope. V. N. Skumel'. Trudy KAI no. 71:36-41 '62

Stability of the motion of a gyroscope with two degrees of freedom. I. U. V. Osetinskii. Izv. AN SSSR, Mekh. no. 1:165-167 Ja-F '65.

Stability of the motion of an asymmetrical gyroscope with radial correction. V. A. Filippov. Izv. AN SSSR, Mekh. no. 1:168-172 Ja-F '65.

**GYROSCOPIC INSTRUMENTS**  
Errors of a gyroscopic integrator of linear accelerations. L. I. Kargu. Izv. vys. ucheb. zav. , prib. 8 no. 2:94-99 '65

**HABIT**  
Changes in the rate of information reprocessing during the formation of habits in the pilot operating the training apparatus. V. A. Tigorov. Voen.-med. zhur. no. 9:53-58 '64.

Comparative psychology-etiology-psychiatry. Report No. 12. Development of views in foreign science on the biological determination of behavior under normal conditions and in pathology. M. Rogovin. Zhur. nev. i psikh. 65 no. 5:775-785 '65.

Interaction of antagonistic muscles in yielding work. E. I. Kozlman. Zhur. vys. nerv. deiat. 15 no. 1:61-69 Ja-F '65.

Neuronal mechanism of "habituation" as the simplest form of conditioned response. E. N. Sokolov. Zhur. vys. nerv. deiat. 15 no. 2:240-259 Mr-Apr '65.

**HABITATIONS OF ANIMALS** see Animals, Habitations of

**HABITS OF ANIMALS** see Animals, Habits and behavior of

**HABITUAL CRIMINALS** see Recidivists

**HAFNIUM CHLORIDES**  
Standard heats of formation of  $ZrCl_4$  and  $HfCl_4$ . G. L. Galchenko and others. Dokl. AN SSSR 161 no. 5:1081-1084 Ap '65.

**HAFNIUM-TANTALUM ALLOYS—METALLOGRAPHY**  
Phase equilibrium diagram of the system Hf - Ta in the solid state. V. N. Svachnikov, A. K. Shurin, G. P. Dmitrieva. Shor. nauch. trud. Inst. metallofiz. AN URSS no. 10:206-211 '64.

**HAFNIUM-TUNGSTEN ALLOYS** see Tungsten-hafnium alloys



- HALL** see subdivision under Armenia
- HALLIBUT** see subdivision under Bering Sea
- HALIDES**  
Activation of iron by halogen ions. I. A. M. Kolotyrkin, L. I. Freiman. Dokl. AN SSSR 182 no. 2:376-379 My '65.  
Kinetics of the initial stages of activation of iron-chromium alloys by halogen ions. G. V. Golovina, G. M. Florianovich, I. A. M. Kolotyrkin. Elektrokhimia 1 no. 1:12-16 Ja '65.  
Stability of some ferricinium salts. A. N. Neamenov and others. Izv. AN SSSR Ser. khim. no. 4:731-733 '65.
- HALL EFFECT**  
Hall effect in thin permalloy films. Vu Din' Ky [Vu Dinh Cu]. E. F. Kuritsyna. Fiz. met. i metalloved. 19 no. 4:501-503 Ap '65.  
Longitudinal electromotive forces and the Hall effect in the flow of an ionized gas in a channel. E. I. Iantovskii. Mag. gidr. no. 1:61-66 '65.  
Optimum conditions for magneto-gas dynamic flows in channels allowing for the Hall effect. E. N. Zelikhenko, T. E. Millerian, N. I. Pol'skii. Mag. gidr. no. 1:67-72 '65.
- HALLUCINATIONS AND ILLUSIONS**  
Clinical characteristics of the Kandinsky-Clerambault syndrome in the paranoid form of schizophrenia. T. A. Khamshcheva. Vop. klin. i lech. shiz. no. 1:57-69 '64.  
False perceptions of pilots during helicopter flights. I. S. Malov. Voen.-med. zhur. no. 9:58-62 '64.  
Forms of the course of the verbal hallucinosis syndrome in old age psychoses. N. S. Ivanova. Zhur. nevro. i psikh. 65 no. 4:584-592 '65.
- HALOGEN ORGANIC COMPOUNDS**  
Polarographic behavior of polyhalogen organic compounds. Reduction of methyl pentachloroethyl ketone. E. Aikazian, S. Isabekian, A. Durgarian. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:114-117 '65.  
Substitutions of halogen by chlorine in organic compounds by means of mercuric chloride. F. K. Velichko. Izv. AN SSSR. Ser. khim. no. 5:916-917 '65.
- HALOGENATION**  
Synthesis in the series of phenothiazine. Part 15: Reduction halogenation of 10-methyl-5-oxidophenothiazine. V. A. Skorodumov, S. V. Zhuraviev. Zhur. org. khim. 1 no. 1:202-203 Ja '65.
- HALOGENS**  
Effect of halogen anions and some organic compounds on the electrochemical behavior of nickel in acid solutions. E. I. Mikhailova, Z. A. Iofa. Elektrokhimia 1 no. 1:107-110 Ja '65.
- HALOPERIDOL**  
Clinical characteristics of schizophrenia patients resistant to haloperidol treatment. I. U. A. Aleksandrovskii. Vop. klin. i lech. shiz. no. 1:5-8 '64.
- HAM**  
Effect of blood addition in bacon pork curing on the coloring of ham. I. I. Kargal'tsev, V. B. Avagimov, S. A. Mamaeva. Izv. vys. ucheb. zav., plishch. tekhn. no. 1:108-109 '65.
- HAMBERGITE** see subdivision under Balkal Lake region
- HAMSTERS** see subdivision under Kustanay Province
- HAMSTERS—PARASITES** see Parasites—Hamsters
- HAMSTERS AS LABORATORY ANIMALS**  
Golden hamster as an experimental model for the study of tuberculosis and antituberculosis vaccination. A. M. Rosenberg, N. N. Pisarenko. Zhur. mikrobiol. i epid. i immun. 42 no. 4:131-136 Ap '65.
- HAND—FRACTURE**  
Case of surgical treatment in multiple fractures of the metacarpal bones and finger phalanges. A. A. Kiustser. Ortop. i travm. i protez. 26 no. 2:65 F '65.  
Directed antibiotic treatment in open fractures of the small tubular bones of the foot and hand. S. F. Vasil'ev. Ortop. i travm. i protez. 26 no. 2:58-60 F '65.  
Methodology of one-stage reposition of bone fragments in fractures of the metacarpal bones. V. N. Ponomarev. Ortop. i travm. i protez. 26 no. 2:65-66 F '65.
- HAND—INNERVATION**  
Nerves of the muscles of the human hand. L. N. Kiseleva. Trudy Khar. med. inst. no. 36:27-32 '57.
- HANDLING OF MATERIALS** see Materials handling
- HARBORS**  
(see also subdivision under Armenia)  
Determining the number of cranes servicing the warehouses. E. Zin'. Rech. transp. 24 no. 4:23-25 '65.
- Use of mathematical methods in marine transportation research and practice. M. Gorbatyi. Mor. flot. 24 no. 9:12-13 S '64.
- HARD FACING**  
Automatic wear-resistant hard facing under a ceramic flux. F. S. Volkovskaya, A. S. Abaev, P. T. Laioshchenko. Elektrotekhnika 6 no. 3:11-15 Mr '62.  
Theoretical and experimental justification of the conformity of electrical and mechanical parameters during the selection of the optimal system for hard facing with a weaving arc. G. P. Pirmanov. Trudy STI. 37:200-210 '64.  
Wear-resistant powder tape hard facing of metallurgical equipment. E. F. Belousov. Metallurg. 10 no. 3:33-35 Mr '65.
- HARDNESS—MEASUREMENT**  
Devices for measuring the hardness of shaped parts. P. I. Zemskov and others. Stan. i inst. 36 no. 4:37-38 Ap '65.  
Method for measuring the microhardness of silicon single crystals. I. D. Kirvalidze, I. L. Makhatadze. Soob. AN Gruz. SSR. 37 no. 3:559-562 M. '65.
- HARDNESS—TESTING**  
Determining the hardness of rocks in the field. V. K. Rubtsov. Ugol. 10 no. 4:40-41 Ap '65.
- HARDWOODS**  
Use of oleoresins and colophony obtained from hardwoods in the various branches of the industry. N. A. Gurlich, M. A. Raktina, G. P. Vinogradova. Gidroliz. i lesokhim. prom. 18 no. 2:15-16 '65.
- HARMONIC ANALYSIS**  
Serebrennikov, M. G., and A. A. Pervozvanskii. [Discovery of hidden periodicities] Vylavlenie skrytykh periodichnostei. Moskva, Nauka, 1965. 244 p.
- HARMONIC FUNCTIONS—BOUNDARY VALUE PROBLEMS**  
Solution of the Dirichlet problem for multiply connected regions. A. M. Kazban. Trudy KAI no. 7:56-72 '62.  
Solution of the problem of the conjugation of functions satisfying the Laplace equation. V. A. Stuzhnev. Trudy KAI no. 7:73-77 '62.
- HARPACTICIDAE** see subdivision under Ukraine, White Sea
- HARROWS**  
Studying the work of a harrow plow with inclined flat disks operating at increased speeds. P. G. Kulebakin, A. I. Arzhanykh. Trakt. i sel'khoz. mash. no. 4:20-31 Ap '65.
- HARVESTING MACHINERY**  
Burov, I. N. [Machinery for harvesting and processing of grain crops, theory, construction, and calculations] Mashiny dlia uborki i obrabotki zernovykh kul'tur, teoriia, konstruktisia, raschet. Moskva, Mashinostroenie, 1964. 511 p.  
Optimal parameters for a reel of harvesting machinery. S. N. Perstnev, I. F. Okorokov. Trakt. i sel'khoz. mash. no. 4:24-25 Ap '65.  
Process of the formation of the windrow for the ZhVN-10 wide-range reaper. L. A. Barnov. Trakt. i sel'khoz. mash. no. 4:22-24 Ap '65.  
The ZhNT-2, 1 reelless reaper. I. I. Nikolaev, I. I. Kurnikov. Trakt. i sel'khoz. mash. no. 3:31-33 M. '65.
- HARVESTING MACHINERY—PRODUCTION STANDARDS** see subdivision under Vologda Province
- HARVESTING TIME**  
Change in the oiliness of cotton seeds as related to the time of seed harvesting. N. Pulatov. Uzb. biol. zhur. 9 no. 2:37-38 '65.
- HASWELL ISLAND, ANTARCTICA—JAEGER (BIRDS)**  
The Adelle penguin and Macormick's skua of Haswell Island. M. E. Pryor. Inform. biol. Sov. antark. eksp. no. 49:40-43 '64.
- HASWELL ISLAND, ANTARCTICA—PENGUINS**  
The Adelle penguin and Macormick's skua of Haswell Island. M. E. Pryor. Inform. biol. Sov. antark. eksp. no. 49:40-43 '64.
- HASWELL ISLAND, ANTARCTICA—PETRELS**  
The silver-gray fulmar (Fulmarus glacialis) and the Antarctic petrel of Haswell Island. M. E. Pryor. Inform. biol. Sov. antark. eksp. no. 50:38-39 '64.
- HAY**  
(see also subdivision under Armenia; Azerbaijan)  
Machines for hay briquetting. V. I. Osobov. Trakt. i sel'khoz. mash. no. 3:45-48 Mr '65.  
Preparation and use of grass flour. N. A. Borisova. Inform. biol. VDNKH no. 10:21-23 O '63.
- HAY—HARVESTING**  
Haymaking by using a pickup baler. N. Berezhnov, V. Isachenko, L. Cheshuhin. Tekhn. v sel'khoz. 25 no. 4:19-19 Ap '65.
- HAZARAS—SOCIAL LIFE AND CUSTOMS** see subdivision under Afghanistan
- HAZEL** see subdivision under Armenia
- HEAD—RADIOGRAPHY**  
Methodology of X-ray examination of the skull in the acute phase of cerebral cranial trauma. M. V. Tsyvkin. Voen.-med. zhur. no. 6:61-62 '64.
- HEADACHE**  
Headache: problems of pathogenesis and diagnostic significance. V. V. Utkin. Voen.-med. zhur. no. 7:91-96 '61.
- HEALING POWER OF NATURE** see Nature, Healing power of
- HEALTH EDUCATION**  
Medical information for servicemen. Voen.-med. zhur. no. 11:3-5 '61.
- HEALTH RESORTS, WATERING PLACES, ETC.**  
(see also subdivision under Chechen-Ingush A. S. S. R.; Georgia)  
Sanatorium and health resort treatment of neuroses. K. F. Kanarokhin. Voen.-med. zhur. no. 6:12-16 '64.
- HEARING**  
Organization of afferent flow and the process of distinction of signals of various duration. G. V. Gushulov. Zhur. vys. naiv. deiat. 15 no. 2:260-273 Mr-Ap '65.
- HEART**  
Age-related characteristics of adrenaline and noradrenaline oxidation in the heart of white rats under the action of monoamine oxidase. N. S. Verkhiratskii. Vop. geront. i geriat. 1:117-121 '65.  
Age-related characteristics of the regulation of energy metabolism processes in the heart. V. V. Frolov, L. N. Bogatskaya. Vop. geront. i geriat. 4:104-117 '65.  
Effect of atropine on the heart of old animals. N. I. Strizhova-Salova. Vop. geront. i geriat. 4:141-146 '65.  
Is there a need for this type of electric stimulation of the heart? Discussion on the article of B. D. Zislis and others: "On controlled cardiac rhythm in pulmonary and pleural surgery". T. M. Darbinian. Vest. khir. 84 no. 2:133 F '65.
- HEART—AGING**  
Characteristics of ontogenetic changes in the resistance of the heart depending on variations in properties of the neural regulation of its activity. I. A. Arshavskii, S. I. Enikeeva. Vop. geront. i geriat. 4:33-40 '65.
- HEART—BLOOD SUPPLY**  
Auriculomycardicopy as a means of vascularization of the heart. T. S. Khutsishvili. Soob. AN Gruz. SSR. 37 no. 3:717-723 Mr '65.
- HEART—DISEASES**  
Clinical characteristics of myocardial and kidney lesions in food poisoning of salmonellal etiology. V. F. Mashilin. Trudy TSU 86:173-176 '64.  
Effect of prolonged oxygen deficiency on some functions of the myocardium. I. V. Shastin. Inform. biol. Sov. antark. eksp. no. 50:42-45 '64.  
Importance of organic heart diseases in the outcome of pregnancy and labor complicated by obstetric pathology. I. U. A. Pashalova. Akush. i gyn. 40 no. 5:114-118 O '64.  
Medical expertise of flight personnel with Wolff-Parkinson-White syndrome. A. I. Desiatov. Voen.-med. zhur. no. 8:68-71 '64.
- Mikhailian, A. L.** [Clinical pathophysiological changes in stenosis of the left atrioventricular opening of the heart and its surgical correction] Kliniko-patofiziologicheskie izmeneniia pri suzhenii levogo atrioventrikularnogo otverstia serdtsa i khirurgicheskaya korrektsiia ego. Erovan, Alastan, 1964. 265 p.  
(DNLM)  
Prevention, diagnosis and expert examination of rheumatic fever and heart defects in young servicemen. L. D. Karpilovskii. Voen.-med. zhur. no. 11:27-30 '64.  
Some data on atherosclerotic cardiosclerosis in very old persons. D. F. Chebotarev and others. Vop. geront. i geriat. 4:169-168 '65.  
Some problems of the diagnosis and surgical therapy of combined heart defects. T. G. Bleshtina, V. I. Nomchenko. Vest. khir. 84 no. 2:22-27 F '65.
- HEART—EXAMINATION**  
Determination of the heart volume and other indices of central hemodynamics of the heart using radioactive krypton (Kr<sup>85</sup>). F. F. Kapenko. Med. rad. 9 no. 7:17-17 JI '64.
- HEART—HYPERTROPHY AND DILATATION**  
Experimental stenosis of the thoracic aorta in rats (model of cardiac defect and hypertrophy). A. Kh. Kogan, V. I. Babinkov. Pat. fiziol. i eksp. terap. 9 no. 2:77-79 Mr-Ap '65.

## HEART—INFARCTION

- Detection and treatment of the postinfarct syndrome. E. N. Artem'ev, I. K. Komarova. *Sov. med.* 28 no. 1, 15-19 Ja '65.
- Electro-oculographic examination of peripheral arteries in myocardial infarct complicated with collapse. I. M. Kakhovskii. *Sov. med.* 28 no. 1 20-27 Ja '65.
- Histochemical changes in myocardial infarction during its healing. A. V. Aikhangeli'skii, I. V. Isupov. *Arkhi. pat.* 27 no. 1 25-30 '65.
- Myocardial infarct in persons under 40 years of age. Z. G. Lebedeva. *Sov. med.* 28 no. 1 9-11 Ja '65.
- Nitrous oxide anesthesia with pipolphen premedication in the first aid treatment of myocardial infarct. I. L. Pekker. *Sov. med.* 28 no. 1 103-107 Ja '65.
- Pigmentation of myocardial infarct in persons under 40 years of age. S. Kh. Sidorovich. *Sov. med.* 28 no. 1 11-14 Ja '65.
- Significance of age and sex in evaluating the prognosis in myocardial infarction. E. Sh. Khalifa, K. S. Iatsenko, A. Kh. Khanplev. *Azerb. med. zhur.* 42 no. 1 60-63 Ja '65.
- Some characteristics of the clinical aspects and treatment of the acute period of myocardial infarct in elderly and senile persons. O. V. Korkushko and others. *Vop. geront. i geriat.* 4:179-185 '65.
- Structural characteristics of the secondary changes in atherosclerosis of the coronary cardiac arteries in myocardial infarction. V. V. Nestalko. *Trudy Khar. med. inst.* no. 36:367-372 '57.
- Study of the effectiveness of the use of fibrinolysin in myocardial infarct. B. P. Kashaevskii, I. M. Khel'monen, V. A. Finko. *Sov. med.* 28 no. 5 55-56 My '65.
- Thromboelastography as a clinical method of examination. I. N. Kuz'mina. *Sov. med.* 28 no. 1 111-113 Ja '65.
- Treatment of myocardial infarction by ligation of the internal thoracic artery associated with block of the prevertebral nerve plexus. V. I. Kolesov, R. V. Pavlova. *Vest. khir.* 94 no. 2 13-19 F '65.
- Use of corticosteroid hormones in the treatment of the postinfarct syndrome. A. P. Matuseva and others. *Sov. med.* 28 no. 5 59-62 My '65.

## HEART—INNERVATION

- Analysis of changes in the tone of the vagus innervation center of the heart in hypoxic and anemic hypoxia in adult dogs. R. G. Reregulov. *Biol. eksp. biol. i med.* 50 no. 4 22-25 Ap '65.
- Characteristics of ontogenetic changes in the resistance of the heart depending on variations in properties of the neural regulation of its activity. I. A. Arshavskii, S. I. Imkoeva. *Vop. geront. i geriat.* 4:33-40 '65.

## HEART—MUSCLE

- Age-related aspects of quantitative changes in deoxyribonucleic acid under conditions of reparative regeneration of the myocardium. N. D. Skuba. *Vop. geront. i geriat.* 4:130-135 '65.
- Comparative characteristics of the intensity of tissue respiration of the myocardium and liver in white rats of various age periods. L. N. Bogatskaia, N. V. Verzhikovskaya. *Vop. geront. i geriat.* 4:121-125 '65.
- Contractile capacity of the myocardium in primary and recurrent rheumatic carditis based on polycardiographic and dynamocardiographic data. V. F. Kobayshkin, A. B. Karolenko. *Sov. med.* 28 no. 1 36-41 Ja '65.
- Early stages of myocardium changes in an experimental orthostatic collapse. B. M. Ariel'. *Dokl. AN SSSR* 161 no. 4 952-954 Ap '65.
- Problem of age-related characteristics of bioenergetics of the myocardium. A. A. Pashkova. *Vop. geront. i geriat.* 4:126-129 '65.
- Some changes in the function of the myocardium and lungs rising with the aging. R. A. Batel'man, G. V. Bulnovich. *Vop. geront. i geriat.* 4:88-91 '65.

## HEART—SOUNDS

- Some current problems in the methodology of phonocardiography. C. I. Kassirekii. *Sov. med.* 28 no. 5 82-88 My '65.
- Study of the duration of heart tones in healthy children. A. A. Galatkin. *Izv. AN Arm. SSR, Biol. nauki* 18 no. 2 93-100 F '65.

## HEART—SURGERY

- Auriculomyocardiotomy as a means of revascularization of the heart. T. S. Khutishvili. *Soob. AN Gruz. SSR* 37 no. 3 717-723 Mr '65.
- Basis for diaphragmoplasty in experimental cardiac aneurysm. I. Z. Kozlov, K. A. Gornak. *Vest. khir.* 93 no. 12 52-58 D '64.
- Evaluation of the effectiveness of operations for experimental revascularization of the myocardium. L. B. Shmel'tsov. *Trudy TSU* 60:163-165 '64.
- Intrapericardial injury of the aorta. N. A. Tarand. *Vest. khir.* 94 no. 2 101 F '65.
- Mikrodon, A. L. [Clinical pathophysiological changes in stenosis of the left atrioventricular opening of the heart and its surgical correction] Kliniko-patofiziologicheskie izmeneniia pri suzhenii levogo atrioventrikul'nogo otverstia serdtsa i khirurgicheskaia korrektsiia ego. Erevan, Alastan, 1964, 285 p. (DNLM)

Morphological study of internal thoracic arteries in connection with their use in the revascularization of the myocardium. I. B. Shmel'tsov, E. M. Zagnitkovskaya. *Trudy TSU* 60 166-167 '64.

- Neurosis-like disorders in connection with surgical treatment of patients with acquired heart defects. V. V. Kovalev. *Zhur. nevroi. i psikh.* 65 no. 5 742-746 '65.
- Rare case of injury of the right auricle. A. V. Korshunov. *Vest. khir.* 94 no. 2 98-99 F '65.
- Remote results of resuscitation of a patient with a perforating heart injury. E. P. Mukhin. *Vest. khir.* 91 no. 2 99-100 F '65.
- Some problems of the diagnosis and surgical therapy of combined heart defects. T. G. Blestina, V. I. Nemchenko. *Vest. khir.* 94 no. 2 22-27 F '65.
- Tension pneumopericardium in bronchopulmonary fistula. N. I. Gidzinskii. *Vest. khir.* 94 no. 2 101-102 F '65.
- Treatment of heart injuries. T. S. Villamovskii. *Vest. khir.* 94 no. 2 97-98 F '65.

## HEART—WOUNDS AND INJURIES

- Rare case of injury of the right auricle. A. V. Korshunov. *Vest. khir.* 94 no. 2 98-99 F '65.
- Remote results of resuscitation of a patient with a perforating heart injury. E. P. Mukhin. *Vest. khir.* 94 no. 2 99-100 F '65.
- Surgical treatment of cardiac wounds under conditions of a district hospital. I. L. Bachev. *Sov. med.* 28 no. 1 101-102 Ja '65.
- Surgical treatment of heart injuries and Fieschi's operation. V. S. Melnik, L. L. Bronshteyn. *Vest. khir.* 94 no. 2 20-22 F '65.
- Treatment of heart injuries. T. S. Villamovskii. *Vest. khir.* 94 no. 2 97-98 F '65.

## HEART, FATTY

- Fatty dystrophy of the myocardium. N. A. Probatova. *Arkhi. pat.* 27 no. 2 44-52 '65.

## HEART FAILURE

- Use of ethyl chloride for artificial cardiac arrest. G. D. Isoseliani, O. I. Budzhanadze, N. S. Chkhartishvili. *Soob. AN Gruz. SSR* 37 no. 3 725-728 Mr '65.

## HEARTBEAT

- Physiological characteristics of the eyeball-heart reflex in gradual compression of the eyes with increasing force. I. P. Pshenichnyi. *Zhur. nevroi. i psikh.* 65 no. 5 703-710 '65.

## HEAT—BOUNDARY VALUE PROBLEMS

- Matrix functions and their application to heat and mass transfer problems. P. V. Tsol. *Inzh. -fiz. zhur.* 8 no. 3 380-385 Mr '65.
- A problem involving heat and mass transfer. L. Zh. Zhuravskov. *Inzh. -fiz. zhur.* 8 no. 3 386-392 Mr '65.
- Temperature field of an infinite anisotropic prism with internal heat generation. V. V. Ivanov, A. V. Furman. *Inzh. -fiz. zhur.* 8 no. 3 358-360 Mr '65.
- Use of finite integral transformations in solving problems involving the nonsteady-state heat conductivity of hollow cylinders with a movable internal boundary. G. A. Surkov. *Inzh. -fiz. zhur.* 8 no. 3 375-379 Mr '65.

## HEAT—CONDUCTION

- Characteristics of the deformation of solid bodies under the combined effect of diffusion and heat conduction. L. O. Sverhunenko. *Dop. AN URSR* no. 4 450-454 '65.
- Diffusion and thermal relaxation on the plane surface of an evaporating liquid. I. A. Buevich. *Inzh. -fiz. zhur.* 8 no. 3 311-348 Mr '65.
- Radiant heating of a plate. I. U. S. Postol'nik. *Dop. AN URSR* no. 4 432-436 '65.
- Study on the heat conductivity of thin-walled nickel tubes. B. E. Neimark, T. I. Bykova. *Inzh. -fiz. zhur.* 8 no. 3 361-363 Mr '65.

## HEAT—CONVECTION

- Effect of discretely distributed air blowing and suction on heat transfer with natural convection at a vertical surface. P. M. Brdlik, I. A. Turchin. *Inzh. -fiz. zhur.* 8 no. 2 260-272 F '65.
- Evaluating the speed of air currents caused by natural convection in a limited volume. L. T. Bykov. *Inzh. -fiz. zhur.* 8 no. 2 208-210 F '65.
- Experimental investigation of heat and mass transfer during the condensation of water vapor from humid air on a vertical surface under natural convection conditions. P. M. Brdlik, I. A. Kozhinov, N. G. Petrov. *Inzh. -fiz. zhur.* 8 no. 2 243-246 F '65.
- Porous blowing and suction with a free convection at the vertical surface (laminar boundary layer). P. M. Brdlik, V. A. Mochevalov. *Inzh. -fiz. zhur.* 8 no. 2 229-237 F '65.
- Some regularities in temperature distribution in limited volumes with internal heat release. L. T. Bykov, V. V. Malozemov. *Inzh. -fiz. zhur.* 8 no. 2 204-207 F '65.

## HEAT—PHYSIOLOGICAL EFFECT

- Comparative evaluation of cooling and warming periods in deep hypothermia, morphological and histochemical study. G. D. Knazeva. *Arkhi. pat.* 27 no. 5 52-59 '65.

- Role of the nervous system in pigmentation changes and some internal organs in amphibians during overheating. M. S. Tkachenko. *Trudy Khar. med. inst.* no. 36:375-380 '57.
- Some views on the effect of high temperature of the air on the organism and the prevention of heat-caused lesions in the U S A army, a review of literature. M. P. Shuk. *Voen. -med. zhur.* no. 9 45-46 '64.
- Thermotability of the ciliate epithelium cells of the Black Sea actinias in different seasons. I. N. Dvoryanskaya. *Tsitologia* 4 no. 5 538-544 S-O '62.

## HEAT—RADIATION AND ABSORPTION

- Apparatus for studies of the infrared spectrum of the absorption and heat radiation of the atmosphere. K. I. Kondrat'ev and others. *Izv. AN SSSR Fiz. atm. i okeana* 1 no. 2 175-192 F '65.
- Effect of the elementary composition of soot particles on their radiation characteristics. B. S. Maslitskov, V. A. Krivandin. *Izv. vys. ucheb. zav. Chern. met.* 8 no. 5, 103-107 '65.
- Heating of shields with overhanging lining. I. A. Dushin. *Inzh. -fiz. zhur.* 8 no. 3 330-335 Mr '65.
- Use of the differential method in studying radiant heat transfer. P. K. Konakov. *Inzh. -fiz. zhur.* 8 no. 3 401-402 Mr '65.
- Using FEP-3 and FEP-4 pyrometers for the measurement of flame radiation. G. I. Grakovskii. *Izv. vys. ucheb. zav. Chern. met.* 8 no. 5 200-203 '65.

## HEAT—TRANSMISSION

- Akademika nauk BSSR, Minsk. Institut teplo- i massobmena. [Heat and mass exchange in dispersion systems] Teplo- i massobmen v dispersnykh sistemakh. Minsk, Nauka i tekhnika, 1965, 175 p.
- Calculating the critical velocity of a steam-water mixture, beyond which heat transfer is impeded. I. A. M. Raikin. *Inzh. -fiz. zhur.* 8 no. 3 393-395 Mr '65.
- Calculation norms for the heating equipment of heat-sugar factories. M. L. Vaisman, A. A. Knazev. *Sakh. prom.* 30 no. 3 28-34 Mr '65.
- Delay control unit. V. G. Riaguzov. *Izv. vys. ucheb. zav. elektromekh.* 8 no. 4 467-471 Mr '65.
- Design of catalytic reactors with internal heat transfer. I. A. Sokolinskii. *Trudy MKHM* 26:161-173 '64.
- Determining the coefficient of heat exchange under the conditions of a "standard" fire. M. I. Bashkirtsev, N. A. Shelduk, Pozh. bezop. no. 3 39-47 '64.
- Determining the time needed for reaching a given temperature under a refractory layer during sintering in various gaseous media. A. G. Kostornyi. *Tekhn. met.* 5 no. 5 76-81 My '65.
- Effect of pressure and saturation temperature on heat exchange in the boiling of Freon. G. N. Danilova. *Khol. tekhn.* 42 no. 2 36-42 Mr -Ap '65.
- Effect of the injection of various gases on heat transfer near the leading critical point of a blunt-nosed body. V. P. Mugalev. *Izv. AN SSSR, Mekh.* no. 1 175-180 Ja -F '65.
- Effect of the transverse flow turbulence on the heat transfer and resistance of pipe bundles with longitudinal and spiral ribs. V. N. Antuf'ev, E. K. Gusev. *Trudy LITTSBP* no. 14:129-133 '64.
- Effect of the vibration of a fin can on the heat exchange during canned food sterilization. A. A. Killa. *Izv. vys. ucheb. zav. Mashin. tekhn.* no. 1 155-157 '65.
- Engineering method for calculating convective heat transfer in nonseparated gas flow about a body. V. K. Fedorov. *Inzh. -fiz. zhur.* 8 no. 2 198-203 F '65.
- Experimental investigation of the distribution of heat flows along the height of the transverse section of a horizontal heating chamber. N. I. Lukin. *Gaz. prom.* 10 no. 4 24-28 '65.
- Generalization of data on heat transfer in stable film boiling on vertical surfaces with free convection of the liquid in the large volume. V. M. Borishanskii, B. S. Pokin. *Inzh. -fiz. zhur.* 8 no. 3 290-291 Mr '65.
- Generalizing test data on the coefficients of the heat conductivity of fluids and their mixtures. G. Kh. Mukhammedzhanov, A. G. Usmanov. *Izv. vys. ucheb. zav. nefi i gaz* 8 no. 4 87-91 '65.

- Heat emission in a non-transparent hydraulic torque converter during its joint work with the diesel engine. I. A. B. Kudriavtsev. *Vest. TSNI MPS* 24 no. 2 21-32 '65.
- Heat interference in a network of underground reservoirs. E. M. Andreeva, V. I. Chernikina. *Izv. vys. ucheb. zav. nefi i gaz* 8 no. 3 65-69 '65.
- Heat transfer and resistance of pipe bundles with longitudinal ribs in a transverse flow. V. N. Antuf'ev, E. K. Gusev. *Trudy LITTSBP* no. 14:134-144 '64.
- Heat transfer from a nonisothermal plate with a laminar boundary layer. D. A. Labuntsov. *Inzh. -fiz. zhur.* 8 no. 3 403-405 Mr '65.
- Heat transfer from thin wires to the fluidized bed. N. N. Varygin. *Trudy MKHM* 26:33-38 '61.
- Laminar heat transfer in a plane channel with an inhomogeneous temperature field at the inlet. I. N. Sadikov. *Inzh. -fiz. zhur.* 8 no. 3 283-289 Mr '65.
- Number of active steam formation centers and critical thermal loads in the ebullition of some organic liquids in a large volume. G. V. Reitan, D. I. Avniant. *Soob. AN Gruz. SSR* 37 no. 3 653-660 Mr '65.

## HEAT—TRANSMISSION (Continued)

S. S. Zakhodskii's monograph on "Hydrodynamics and heat transfer in a fluidized bed." N. I. Syromiatnikov and others. Inzh.-fiz. zhur. 8 no. 3 413-414 Mr '65

Simplified calculation formulas for determining the coefficients of heat transfer in the film condensation of pure slowly moving vapors. A. I. Rychkov. Trudy MIKHM. 16 137-160 '64

Study of the heat exchange in the flow of a gas suspension in pipes. V. S. Nosov, N. I. Syromiatnikov. Teploenergetika. 12 no. 5 84-86 May '65

Temperature field in a parallelepiped heated by a radiant flow. V. V. Ivanov, I. V. Vidin. Izv. vys. ucheb. zav., Chern. met. 8 no. 5 180-182 '65

## HEAT CAPACITY

Experimental determination of the heat capacity of liquid tin at high temperatures. I. A. Akhmatova. Dokl. AN SSSR. 162 no. 1 127-129 May '65

Modified method for additive calculation of the change in heat capacity during ionic sublimation of crystals. G. A. Kiselev. Izv. vys. ucheb. zav., Khim. i khim. tekhn. 7 no. 6 924-929 '64

Rapid method of calculating the high-temperature heat capacities of solid inorganic compounds. D. Sh. Tsagareishvili, G. G. Gvetsiani. Soub. AN Gruz. SSR. 37 no. 3 581-585 Mr '65

## HEAT ENGINEERING

Role of condenser systems in the heat supply circuit of food enterprises. G. S. Rabiz. Kons. i ov. prom. 20 no. 5 39-42 May '65

## HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur. Teploenerg., no. 5 May '65.

## HEAT EXCHANGERS

Experimental study of intermediate superheating control using steam-to-steam heat exchangers. L. B. Krol' and others. Teploenergetika. 12 no. 4 18-24 Apr '65

Heat absorbers made from shaped aluminum sheet. V. M. Antuf'ev, E. K. Gusev. Bum. prom. no. 1 21 Ja '65

Investigating a jet heat exchanger. A. N. Chernigov. Izv. vys. ucheb. zav., pishch. tekhn. no. 1 151-154 '65.

Levin, B. I., and E. P. Shubin. [Heat exchangers of heat supply systems] Teploobmennyye apparaty sistem teplosnabzheniya. Moskva, Energiya, 1965. 256 p.

Method for calculating high-stress heat exchangers. N. L. Kafengauz. Mash. i nef. obor. no. 4 10-12 '65.

New method of technological heat calculations. V. V. Barsov. Trudy LTTSBP. no. 14 158-165 '64

Study of some high temperature oxidation resistant materials for the manufacture of high temperature heat exchange equipment. O. R. Matveev, G. F. Degtyev. Kuz.-stann. proizv. 7 no. 1 42-45 Ja '65.

## HEAT EXCHANGERS—MAINTENANCE AND REPAIR

Using ultrasound for the removal of scum in heat exchangers. T. P. Tatarul'eva. Met. i gornorud. prom. no. 2 75 Mr-Apr '65.

## HEAT EXCHANGERS—TESTING

Evaluating the thermal work of ribbed heat exchangers. G. M. Seirykh. V. V. Ivanov, G. P. Bolkov. Izv. vys. ucheb. zav., pishch. tekhn. no. 2 177-179 '65

## HEAT OF ADSORPTION

Heats of chemisorption and structure of surface chemical compounds on metals. A. I. Gorbunov. Dokl. AN SSSR. 161 no. 5 1121-1123 Apr '65.

Heats of oxygen chemisorption on silver and their variation in response to sulfur introduced at the surface. V. E. Ostrovskii, N. V. Kul'kova. Dokl. AN SSSR. 161 no. 6 1375-1377 Apr '65

## HEAT OF COMBUSTION

Application of the Konovalov rule in determining the amount of heat liberated in the decontamination of sewage by burning. N. P. Drozdov. Gidroliz. i lesokhim. prom. 18 no. 3 18-20 '65

## HEAT OF FORMATION

Investigating the thermodynamics of the formation of mixed iron - chromium carbides of the type  $(Fe_xCr_y)_{23}C_6$ . V. I. Alekseev, L. A. Shvartsman. Izv. AN SSSR. Met. no. 1 173-179 Ja-F '65.

Standard heats of formation of  $ZrCl_4$  and  $HfCl_4$ . G. L. Chulchenko and others. Dokl. AN SSSR. 161 no. 5 1081-1084 Apr '65.

Thermodynamics of interstitial solid solutions. Report No. 1. Energy of formation. S. S. Nikol'skii, Porosh. met. 5 no. 1 22-34 Mr '65

Thermodynamics of interstitial solid solutions. Report No. 2. S. S. Nikol'skii. Porosh. met. 5 no. 4 61-74 Apr '65.

## HEAT OF TRANSFER

Effect of low-frequency mechanical vibrations on the rate of dissolving. P. P. Loboda, V. N. Stabnikov. Izv. vys. ucheb. zav., pishch. tekhn. no. 2 165-170 '65.

## HEAT RESISTANT ALLOYS

Heat resistance of dispersion-hardened cobalt. B. K. Oparin, N. P. Zhuk. Zashch. met. 1 no. 1 99-103 Ja-F '65.

## HEAT RESISTANT ALLOYS—TESTING

Sazonov, N. D. [Testing heat resistant materials for creep and fast strength] Ispytaniye zharoprochnyykh materialov na polzuchest' i dlitel'nyu prochnost'. Moskva, Mashinostroyeniye, 1965. 264 p.

HEAT-TREATING FURNACES see Furnaces, Heat-Treating

## HEATING

The second scientific technical conference on heating. V. N. Glushkov. Vest. mashinost. 45 no. 4 81 Apr '65

## HEATING—EQUIPMENT AND SUPPLIES

Equipment for heating frozen soil. A. M. Gaidash. Avtodor. 28 no. 3 15-16 Mr '63

## HEATING FROM CENTRAL STATIONS

(see also subdivision under Leningrad)

Levin, B. I., and E. P. Shubin. [Heat exchangers of heat supply systems] Teploobmennyye apparaty sistem teplosnabzheniya. Moskva, Energiya, 1965. 256 p.

HECKERT, FRITZ, 1884-1936

In workers' hearts forever. Paul Shulitz. Sov. profsoyuz. 21 no. 11 38-39 Ja '65

HEDGEHOGS see subdivision under Feigana Valley

## HEEL BONE—FRACTURE

Technique of bloodless reposition in compression fracture of the heel bone. A. D. Li. Ortop. i travn. i protez. 26 no. 2 66 F '65

## HELICOPTERS

(see also subdivision under Kazan)

Breaking records. T. Russian. Kryn. rad. 16 no. 3 11-12 Mr '65.

Ground resonance of the Mi-4 helicopter. M. I. Aisunovich. Giazhd. av. 22 no. 2 19-20 F '65

Using Mi-6 helicopters to transport drilling equipment in Western Siberia. D. E. Kazakov, V. E. Marmylov. Burenia. no. 3 20-23 '65.

## HELIUM

Concentration of Ne atoms on 2p levels in the presence of He. Fan Van Tkhil. Vest. Mosk. un. Ser. 3 Fiz., astron. 20 no. 2 3-6 Mr-Apr '65.

Scattering of slow neutrons in He near the  $\lambda$ -curve. V. L. Polkovskii, G. I. Surdutovich. Zhur. eksp. i teor. fiz. 48 no. 4 1097-1110 Apr '65

## HELIUM COMPOUNDS

Cross sections of reactions of  $He^3$  with light nuclei. O. D. Brill. Iad. fiz. 1 no. 1 55-60 Ja '65

## HELIUM ISOTOPES

Elastic scattering of  $He^3$  ions on  $Be^9$ ,  $N^{14}$ , and  $O^{16}$ . K. P. Artemov and others. Iad. fiz. 1 no. 4 629-632 Apr '65.

HELMINTHOLOGY see subdivision under Chukchi

## HEMATOMA

Nontraumatic subdural hematomas. P. M. Al'perovich. Zhur. nevro. i psikh. 65 no. 5 678-681 '65.

## HEMICELLULOSE

Sulfite hemicellulose for cardboard. I. B. Molodtsov, P. P. Kotikov. Bum. prom. no. 1 10-13 Ja '65

HEMINGWAY, ERNEST, 1898-1961

In quest of poetic truth, foreign literary critics appraise Hemingway. I. Finkel'shtein. Vop. lit. 9 no. 4 140-168 Apr '65.

The original version of the end of Ernest Hemingway's novel "Farewell to arms!" I. A. N. Zaslavskii. Vest. Mosk. un. Ser. 7 Filol. i zhur. 20 no. 2 77-79 Mr-Apr '65.

HEMIPTERA see subdivision under Virgin Territory

## HEMOGLOBIN

Effect of hemoglobin on the egg laying of *Ascaris suum* in vitro. T. S. Avanesova. Izv. AN Turk. SSR. Ser. biol. nauk. no. 1 76-78 '65.

## HEMOGLOBIN—SPECTRA

Spectral properties of intraerythrocyte hemoglobin in individual cells of the mixed erythrocyte population. L. E. Gorn. Biofizika. 10 no. 1 110-117 '65.

## HEMOLYSINS

Hemolysins of *Proteus*. A. V. Man'kovskiy. Mikrobiol. zhur. 26 no. 3 66-69 '64.

## HEMOLYSIS AND HEMOLYSINS

Comparative study of the hemolytic activity of the viruses of European chicken plague and Newcastle disease. G. A. Safonov, G. A. Ivanova, V. N. Sturin. Vop. vet. virus. 1 358-362 '64.

Diagnosical importance of testing the Amylase and hemolytic activity of the pancreas in hog cholera. I. I. Kulesko, A. I. Sobko. Vop. vet. virus. 1 274-280 '64

## HEMOLYTIC ANEMIA

Pregnancy and labor in patients with congenital microspherocytic hemolytic anemia. T. P. Burkatova. Akush. i gin. 40 no. 5 72-78 S-O '64

## HEMOPOIESIS

Change in hemopoiesis in healthy animals under the effect of bone marrow extracts. N. M. Fetulova. Pat. fiziol. i eksp. terap. 9 no. 2 50-54 Mr-Apr '65.

Effect of the transplantation of homologous hemopoietic cells on the synthesis of antibodies in irradiated animals. A. S. Shevelev. Biol. zhurn. i med. 59 no. 4 77-80 Apr '65

## HEMORRHAGE

Change in the 17-oxy corticosteroid content of the plasma in death from hemorrhage. A. V. Volkov. Uchi. biokh. zhur. 37 no. 1 110-116 '65

Effect of prophylactic antishock complex on changes in the mass of circulating blood and sensitivity to hemorrhage following a trauma. K. A. Garbut. Pat. fiziol. i eksp. terap. 9 no. 2 72 Mr-Apr '65

Effect of some antibiotics on the development of the Zdrovovskii-Samarrelli-Shwartzman phenomenon. Z. A. Ioffe. Trudy Khim. med. inst. no. 36 215-218 '67.

Effect of the transfusion of some blood substitutes and blood on the coronary blood circulation and functional state of the myocardium under conditions of acute hemorrhage. I. V. Kofanava. Arkh. pat. 27 no. 4 6-17 '65.

Rembez, I. N., and T. P. Kliniskaya. [Ligation of the main arteries of the small pelvis for the purpose of stopping a hemorrhage, abstracts of lectures] Prikladnaya magistral'nykh arterii malogo taza s tsel'yu ostanovki krvotocheniya, konspekty lektsii. Uzhgorod, Uzhgorodskii gos. univ., 1964. 134 p. (DNLM)

Role of the higher sections of the central nervous system in the restoration of the morphological composition of the blood following acute blood losses. F. S. Adonkin. Trudy Khim. med. inst. no. 36 250-266 '67

## HEMORRHAGE, UTERINE

Massive medicinal prevention of hemorrhages during the placental period. I. Shitukalov and others. Akush. i gin. 40 no. 5 78-80 '64.

Rembez, I. N., and V. S. Berman. [Prevention and treatment of obstetric hemorrhages, abstracts of lectures] Profilaktika i lechenie pri akusher'skikh krvotocheniyakh, konspekty lektsii. Uzhgorod, Gos. univ., 1964. 126 p. (DNLM)

HEMORRHAGIC FEVER see subdivision under Novosibirsk Province

## HEPARIN—PHYSIOLOGICAL EFFECT

Experimental reproduction of hypoxemia in animals. N. V. Donatskikh. Biol. zhurn. i med. 59 no. 4 69-102 Apr '65.

## HEPATITIS, INFECTIOUS

Clinical and pathogenetic paraffin in severe forms of epidemic hepatitis and its complications with liver dystrophy. K. V. Bunin. Sov. med. 28 no. 5 16-21 May '65.

Dispensary treatment and expert examination of servicemen following Botkin's disease. I. A. Popov, A. K. Sverdlov. Voen.-med. zhur. no. 11 20-22 '64.

Globulin immunization of school children to prevent infectious hepatitis. Report No. 1. Reactions following the introduction of gamma globulin. P. T. Trukhan, A. A. Popova. Zhur. mikrobiol. i epid. i immun. 41 no. 10 143-144 '64

Increase of the histamine content in plasma of epidemic hepatitis patients. V. A. Shmel'ova, O. M. Gullina. Sov. med. 28 no. 5 84-88 May '65.

Materials on the history of studying infectious hepatitis in Russia (concerning I. V. Protasov's work "Biliary suppurative fever" published in 1922). N. F. Kramchankin. Zhur. mikrobiol. i epid. i immun. 41 no. 11 140-151 N '64.

Secondary morbidity with infectious hepatitis in apartment foci. N. N. Lapin. Sov. med. 28 no. 1 147-152 Ja '65.

Significance of puncture biopsy of the liver in evaluating the outcome of epidemic hepatitis. M. L. Somendinaeva, T. A. Iatsyshina. Sov. med. 28 no. 5 80-83 May '65.

Transition of epidemic hepatitis to chronic forms. V. V. Gelint. Sov. med. 28 no. 5 80-83 May '65.

Treatment of infectious hepatitis with transfusions of fibrinolytic and preserved blood plasma. P. A. Ailavov, P. D. Starshov, I. A. Koval'skii. Voen.-med. zhur. no. 11 17-20 '64.

## HEPATITIS, INFECTIOUS—COMPLICATIONS AND SEQUELAE

Late results of treatment of patients with epidemic hepatitis. I. V. Seppi, G. A. Melnikhvit, Voen.-med. zhur. no. 11 23-25 '64.

Late sequelae and outcome of Botkin's disease. R. L. Platonov. Voen.-med. zhur. no. 11 26-27 '64.

## HEPATITIS, INFECTIOUS—MICROBIOLOGY

Transfer of infection in mouse hepatitis I. F. Baiskii, V. M. Bolotovski, V. A. Anan'ev. Vop. virus 10 no. 1 79-83 Ja-F '65

## HEPATITIS, INFECTIOUS—PREVENTIVE INOCULATION

see subdivision under Lithuania

## HEPTADIENOL

Ethers with the allyl position of a double bond. Part 17. Ethers of 2, 1-dimethyl-2, 6-heptadien-4-ol V. I. Pansevich-Kollada, I. A. Shnyk. Zhur. org. khim. 1 no. 1 57-59 Ja '65

## HEPTADIENOIC ACID

Synthesis of esters of stereoisomeric 4, 5-dimethyl-2, 4-heptadien-6-ynoic acid. M. V. Mavlov, V. F. Kucherov. Izv. AN SSSR. Ser. khim. no. 3:546-548 '65.

## HEPTANOL

Mass-spectrometric analysis of heptanols T. I. Popova, A. A. Polinkova, M. I. Khotinskaya, Neflekhnina 5 no. 1 140-152 Ja-F '65.

## HERBICIDES

Effect of herbicide 2M-4X on the free alanine content in corn plant. Z. P. Parshakova, S. M. Mashukova. Vest. AN BSSR. Ser. biol. nav. no. 1:59-64 '65

Effect of herbicides affecting roots on plant nutrients in soils. B. A. Guseinov, Agrokhnim 10:102-104 Ja '65.

Herbicides in the control of weeds in sugar beet fields. A. A. Ilyubchik, K. P. Padzenau. Vest. AN BSSR. Ser. sel'sk. nav. no. 1:78-84 '65

Synthesis of herbicides Part 14. Alkyl esters of  $\alpha$ -chloro and  $\alpha$ -trichloroacetylglucolic acids. V. V. Dovlatov, T. O. Chokriyan, K. A. Eliazan. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:39-43 '65

Use of herbicides in the control of shrubs. N. A. Filatova, Z. A. Viktorova. Khim. v sel', khoz. 3 no. 3:70-71 Mr '65.

Use of some herbicides in cotton and corn fields. Z. Tokhtabev. Sbor. nauch. rab. asp. SojuzNIKHI no. 5:80-89 '64.

## HERBICIDES—ECONOMIC ASPECTS

Methods for determining the economic effectiveness of chemical means of plant protection as exemplified by herbicides T. N. Rykalo, Khim. v sel', khoz. 3 no. 3:53-59 Mr '65.

## HERBICIDES—EFFECT ON PLANTS

see Plants, Effect of herbicides on

## HEREDITY

Relation between the sex of the offspring and the change in fatness of parental organisms. V. Sh. Kamalian. Izv. AN Arm. SSR. Biol. nauki 18 no. 4:37-43 Ap '65.

## HERMAN, VENIAMIN LEONTIOVICH, 1914-1964

Veniamin Leontioyevich Herman; obituary. Ukr. fiz. zhur. 10 no. 5:577 My '65.

## HERNIA

Alloplasty in surgery for large postoperative and recurrent inguinal hernias. V. S. Kostin. Vest. khir. 93 no. 12:37-40 D '64.

Combination of a rupture of the fallopian tube in tubal pregnancy with strangulated hernia. A. D. Mischeuk. Vest. khir. 93 no. 12:104 '64

Late results of the treatment of oblique inguinal hernias in children using T. P. Krasnobaev's surgical method. R. M. Krashevitskii. Vest. khir. 93 no. 12:90-92 D '64.

Rare complication following surgery for strangulated hernia in a child. G. L. Bilich, N. A. Khan. Vest. khir. 93 no. 12:92 D '64.

## HERRING

(see also subdivision under Atlantic Ocean; Bering Sea; North Sea)

Are special norms needed for loading slightly- and medium salted herring into the holds of refrigerator ships? I. I. Korobkin, G. M. Melnikova. Ryb. khoz. 41 no. 3:58-59 '65.

Mechanized shop for refrigerated salting of herring M. I. Furlin. Ryb. khoz. 41 no. 4:61-65 '65

## HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

Skil of Herten as publicist: the 1830's and 1840's. T. V. Pollanina. Visnyk L'viv. un. Ser. filol. no. 1:50-58 '63.

## HETEROCYCLIC COMPOUNDS

Effect of quaternary salts of  $\beta$ -chlorovinyl derivatives of heterocyclic bases on some carboxylic and dimethylnemero-cyanine dyes. N. I. Shirokova, N. N. Svezhnikov, I. I. Levkov. Dokl. AN SSSR 162 no. 3:603-606 My '65.

Methyl ester of phenylhydromethane in the reaction of 1, 3-dipole cycloaddition. V. A. Tartakovskii and others. Izv. AN SSSR. Ser. khim. no. 3:552-554 '65.

Synthesis and properties of derivatives of allene hydrocarbons. Part 2: Synthesis and properties of carbocyclic and heterocyclic allene alcohols. L. N. Chorkasov, V. A. Kormer, Kh. V. Bal'yan. Zhur. ob. khim. 35 no. 4:816-819 Ap '65.

## HEXADIYNOFENONE

Antibacterial activity of the synthetic derivatives of capillone (agropyrene) and capillin V. N. Solov'ev and others. Antibiotiki 10 no. 2:156-158 F '65.

## HEXANE

Benzene and n-hexane adsorption on aluminum oxide. A. M. Rubinshtein, K. I. Sloveksaia, T. R. Brueva. Izv. AN SSSR. Ser. khim. no. 5:800-802 '65.

## HEXOKINASES—PHYSIOLOGICAL EFFECT

Participation of the hexokinase reaction in the effect of glucocorticoid hormones on the rate of rigor mortis in the skeletal muscles L. V. Moreva. Biol. zhur. biol. med. 59 no. 4:46-48 Ap '65

## HEXYNEDIOL

Synthesis and study of the transformations of acetylenic  $\alpha$ -glycols Part 9. Molecular rearrangements observed in the reactions of 3, 4-dimethyl-1-hexyne-3, 4-diol with hydrochloric acid T. A. Favorovskaya, G. M. Tolstopiatov, M. R. Gal'ding. Zhur. ob. khim. 35 no. 4:593-597 Ap '65.

## HIBERNATION

Respiratory processes and phosphorylation in the liver mitochondria of the hibernating gopher. G. M. Daudova, S. A. Neifakh. Fiziol. zhur. 51 no. 3:364-367 Mr '65

Thermoregulating activity of the muscles in the awakening of hibernating animals G. M. Daudova. Pat. fiziol. i eksp. terap. 9 no. 2:73-74 Mr-Apr '65.

## HIDES AND SKINS

For enterprises engaged in primary processing of rawhide. N. Shilov. Sots. trud 10 no. 2:100-104 '65. Make decisive changes in the present-day quality of raw leather materials. L. Burtsev. Mias. ind. SSSR 36 no. 2:11-15 '65.

## HIDES AND SKINS—MICROBIOLOGY

Epidemiological and immunological effectiveness of scarification vaccinations with STI vaccine in enterprises processing raw material of animal origin. Z. K. Abbasov, D. D. Sultanov. Azerb. med. zhur. 42 no. 1:77-81 Ja '65

## HIDES AND SKINS—PRESERVATION

Moscow. Tsentralnyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [New methods for the analysis of leather raw materials and preserving agents] Novye metody analiza kozhevennogo syr'ia i konservirovaniya shchikh materialov. Moskva, 1964. 22 p. [MICROFILM]

## HIGH-FREQUENCY INDUCTION HEATING

see Induction heating

## HIGH MOLECULAR WEIGHT COMPOUNDS

see Macromolecular compounds

## HIGH PRESSURE RESEARCH

Effect of pressure on certain properties of substances. I. N. Riabinin. Izv. AN SSSR. Fiz. zem. no. 1:42-48 '65.

Experimental determination of the temperatures of shock-compressed NaCl and KCl and their melting curves at pressures up to 700 Kbars. S. B. Kormer and others. Zhur. eksp. i teor. fiz. 48 no. 4:1033-1049 Ap '65.

Transport phenomena in doped indium antimonide at high pressures. K. M. Demchuk, I. M. Tsidi'kovskii, K. P. Rodionov. Fiz. tver. tela 7 no. 5:1561-1562 My '65.

## HIGH TEMPERATURE METALLURGY

see Metals at high temperatures

## HIGHER EDUCATION

see Education, Higher

## HIGHWAY CONSTRUCTION

see Road construction

## HIGHWAY RESEARCH

see subdivision under Caucasus, Northern

## HILBERT SPACE

Irreducible representations of commutation and anti-commutation relations. V. I. A. Golodets. Usp. mat. nauk 20 no. 2:175-182 Mr-Apr '65.

Nonlinear equations of the first kind. A. N. Tikhonov. Dokl. AN SSSR 161 no. 5:1023-1026 Ap '65.

Spectrum of a linear differential operator of the second order in a Hilbert space of vector functions with values from abstract Hilbert space Part 2. F. Z. Ziatdinov. Izv. vys. ucheb. zav. mat. no. 2:69-78 '65

## HINDI LANGUAGE

Stratification of the Hindi language. R. N. Shrivastav. Vest. LGU 20 no. 8:138-142 '65.

## HINDI LANGUAGE—DICTIONARIES—RUSSIAN

U'lsiferov, O. G. [Hindi-Russian school dictionary] Kundni-russkii uchebnyi slovar'. Pod red. Iashvanta 4500 slov. S prilozheniem kratkogo grammaticheskogo ocherka russkogoazyka. Moskva, Gos. izd-vo inostr. i natsional'nykh slovaroi, 1962. 744 p. (NN)

## HINDU KUSH REGION—EARTHQUAKES

Attenuation of the transverse waves of the deep Pamir-Hindu Kush earthquakes A. P. Katok, K. M. Muzoev. Trudy Inst. seism. stoi. i seism. 12:43-53 '64

Earthquake on November 14, 1937. T. A. Kintapina. Trudy Inst. seism. stoi. i seism. 12:111-120 '64

## HIP JOINT—CANCER

So-called soft-tissue alveolar sarcoma O. F. Chepik. Arkh. pat. 26 no. 12:70-72 '64.

## HIP JOINT—DISLOCATION

Change in the angle of deviation of the femoral neck following treatment of congenital hip dislocation by the Pacci-Lorentz method. F. K. Idrismukhamedova, I. I. Mirzoeva. Ortop. i travm. i protez. 26 no. 1:64-70 '65

Open dislocation of the hip joint in a child. I. N. Grigovitch. Vest. khir. 92 no. 6:93 Je '64.

Two cases of supratrochanteric dislocations of the hip V. P. Silvanov, M. F. Durov. Ortop. i travm. i protez. 26 no. 2:69 F '65.

## HIP JOINT—SURGERY

Methodology of conservative resection in tuberculous coxitis. A. V. Bedrin. Ortop. i travm. i protez. 26 no. 2:72-73 F '65

## HIP JOINT—TUBERCULOSIS

Methodology of conservative resection in tuberculous coxitis. A. V. Bedrin. Ortop. i travm. i protez. 26 no. 2:72-73 F '65.

## HIP JOINT—TUMORS

Chondromyxoid tumors of the extremities. I. O. Shaposhnikov, I. P. Likhachev. Vest. khir. 92 no. 8:105-107 Je '64.

## HISTAMINE

Increase of the histamine content in plasma of epidemic hepatitis patients V. S. Shmeleva, O. M. Gulina. Sov. med. 28 no. 5:84-86 My '65

## HISTIDINE

N<sub>α</sub>-acyl derivatives of histidine bearing di-(2-chloroethyl) amino group. M. I. Dagenne and others. Izv. AN SSSR. Ser. khim. no. 5:917-919 '65.

Quantitative changes in tryptophan, tyrosine and histidine in the composition of proteins irradiated with nuclear and light rays M. A. Kolomichenko, R. P. Morozova. Ukr. biokhim. zhur. 34 no. 3:358-370 '62

## HISTOCHEMISTRY

Histochemistry of the main cells of the fundic gastric glands. G. I. Kutakh. Arkh. anat., giat. i embr. 46 no. 4:75-78 Ap '64.

Morphological changes and some histochemical modifications in the eyes of monkeys with radiation sickness. V. M. Abdullayev. Arkh. pat. 27 no. 4:45-52 '65

New method of color-related detection of copper in tissues B. G. Stepanian. Arkh. pat. 27 no. 5:71-73 '65

Separation of a subcellular fraction enriched with acridine orange cytoplasmic granules. A. V. Zelenin and others. Dokl. AN SSSR 162 no. 4:925-927 Je '65

## HISTOLOGY

Diagnostic possibilities in the histological examination of stabbed and cut wounds. A. P. Zagriadekaja. Sud. med. ekspert. 8 no. 1:3-6 Ja-Mr '65.

Errors in diagnosis and tactics in sarcomas of soft tissues. K. V. Daniel'-Bek. Khirurgia 41 no. 4:100-114 Ap '65

Pathomorphological changes in the central nervous system in prolonged compression of the extremities; experimental study. V. P. Giaznova. Arkh. pat. 27 no. 4:66-73 '65.

## HISTOLOGY—TECHNIQUE

Modification of V. V. Dostekov's method used in the impregnation of argyrophil fibers in celloidin-embedded and frozen sections. L. I. Gaevskaya, N. V. Kuzichkina. Arkh. pat. 27 no. 3:87-88 '65.

## HISTOLOGY, PATHOLOGICAL

Corpora geniculatum laterale and the visual cortex following enucleation in rats. I. I. Figurina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:164-167 '65.

Histological examination of the brain following the extirpation of the cerebral cortex in dogs. G. A. Tolchenova, I. I. Figurina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:153-157 '65.

## HISTORICAL FICTION

The last century in all its authenticity ...; remarks on the historical novel. E. Polinkova. Nov. mir. 41 no. 2:230-247 F '65

## HISTORICAL LIBRARIES

see subdivision under Kiev, Moscow

## HISTORICAL MATERIALISM

see Dialectical materialism

## HISTORICAL MUSEUMS

(see also subdivision under *Poltava*)  
A conference of museum workers. A N D'achlov  
Ist SSSR 9 no 2 215-217 Mr-Apr '65  
A guide to the collection of manuscripts of the  
Historical Museum I S Kalantyrskaya Ist SSSR  
9 no 2 233-235 Mr-Apr '65

## HISTORICAL RESEARCH

(see also subdivision under *Kirghizistan, Leningrad, White Russia*)  
Better the level of academic publications. A I Zvelev,  
V.I. Mineev. Ist SSSR 9 no 1 227-229 Ja-F '65  
Fruitful meeting of Soviet and Italian historians. E A  
Dudinskaya Ist SSSR 9 no 1 210-216 Ja-F '65.

## HISTORIOGRAPHY

Supporting the proposals of I. F. Gindin and I. E. Shepelev  
Ist SSSR 9 no 1 229-232 Ja-F '65  
Vvedensk'yi, A., V. Dadychenko, and V. Strel's'kiy.  
[Auxiliary historical subjects, a brief course] Dopol-  
nitel'ni istoricheski dystsipliny, korotki kurs. Kyiv,  
Radians'ka shkola, 1963. 206 p.  
(NN)

HISTORY—BIBLIOGRAPHY see Bibliography—History

## HISTORY—STUDY AND TEACHING

Elumov, A. V., ed. [Methodological manual on modern  
history, 1640-1870, for secondary school teachers]  
Metodicheskoe posobie po novoi istorii, 1640-1870,  
dla uchitelei srednei shkoly. Moskva, Prosveshche-  
nie, 1964. 707 p.  
(NNC)

Razanov, G. L., and N. N. Iakovlev. [Recent history,  
1917-1945, a teachers' manual] Novishaya istoriya  
(1917-1945), posobie dla uchitelei. Izd. 2, pererab.  
Moskva, Prosveshchenie, 1964. 270 p.

Vvedensk'yi, A., V. Dadychenko, and V. Strel's'kiy.  
[Auxiliary historical subjects, a brief course] Dopol-  
nitel'ni istoricheski dystsipliny, korotki kurs. Kyiv,  
Radians'ka shkola, 1963. 206 p.  
(NN)

## HISTORY, MODERN—STUDY AND TEACHING

[Modern history; textbook for pedagogical institutes] No-  
vaia istoriya; uchebnik dlia pedagogicheskikh institutov.  
Moskva, Gos. uchebno-pedagog. izd-vo.  
Vol. 2 1871-1917. Pod red. V. G. Revunenkova.  
1961-1963. 1 v. maps (in pocket)  
(NNC) (RPB)

## HO-CHI-MINH, 1890-

People and events. Ho-chi-Minh. Nov. vrem. 22 no 22.  
8 My '65

## HODGKIN'S DISEASE

Case of an extensive lesion of the small intestine in  
lymphogranulomatosis simulating ovarian cyst. A. V.  
Il'iaschenko, T. P. Pikus. Khirurgiya 41 no 4 132-133  
Ap '65

Isolated lymphogranulomatosis of the stomach and the  
small intestines. T. I. Suchkova, F. L. Slonim. Arkh  
pat 27 no 3 80-82 '65

Treatment of lymphogranulomatosis with doxorubicin  
and dexamethasone. I. P. Kolesnikov. Sov. med. 28 no 1 118-  
119 Ja '65.

## HOFMANN REACTION

Hofmann degradation of 1,4-bis(pentamethylene) pipe-  
razinium dichloride by means of a methanol solution  
of caustic potash. M. V. Rubtsov, L. N. Iakhtomov, E. E.  
Mikhlin. Zhur. obshch. khim. 35 no 4 621 Ap '65.

## HOG CHOLERA

Change in the permeability of blood vessels in an acute  
course of hog cholera. N. I. Arkhipov. Vop. vet. virus.  
1:291-297 '64.

Diagnosical importance of testing the amylase and he-  
molytic activity of the pancreas in hog cholera. I. I.  
Kulesko, A. I. Sobko. Vop. vet. virus. 1:274-280 '64

Histochemical study of nucleic acids in lymphoid organs  
in hog cholera. N. I. Arkhipov. Vop. vet. virus. 1:285-  
290 '64.

Morphological and some histochemical changes in the  
ganglia of the peripheral nervous system in hog cholera.  
N. I. Arkhipov. Vop. vet. virus. 1:281-284 '64.

## HOG CHOLERA—MICROBIOLOGY

Characteristics of some properties of the virus of hog  
cholera grown in tissue cultures. A. B. Terukhanov.  
Vop. vet. virus. 1:257-262 '64.

Purification and concentration of the virus of hog cholera.  
I. S. Bychkov. Vop. vet. virus. 1:263-269 '64

Use of the cultural virus of hog cholera for the prepara-  
tion of vaccines and hyperimmune sera. S. K. Mikhai-  
lov and others. Vop. vet. virus. 1:233-236 '64.

## HOG CHOLERA—PREVENTIVE INOCULATION

Practices in aerosol immunization against hog cholera.  
V. I. Burtsev and others. Vop. vet. virus. 1:269-273  
'64.

## HOISTING MACHINERY

Accelerating the hoisting and lowering operations in  
oil well drilling by introducing new equipment. E. S.  
Syromiatnikov. Izv. vyz. ucheb. zav. i nefi' i gaz. 8  
no 4 101-103 '65.

Determining the economic efficiency of the introduction  
of machinery for hoisting and lowering operations in  
deep drilling. A. I. Tarasenko. Burenie no 11 22-24  
'64

Dodonov, B. P. [Hoisting and conveying devices; manual  
for students specializing in mechanics and technology]  
Pod'munno-transportnye ustroystva, uchebnoe posobie  
dlia mekhanicheskikh i tekhnologicheskikh spetsial'no-  
stet. Pod red. V. P. Zybina. [Moskva] Vses. zaach-  
nyi in-t tekstil'noi i legkoj promyshl., [1964] 150 p.  
Efficiency of the combination of hoisting and lowering  
machinery in drilling. A. S. Dvoretzkiy. Burenie  
no 9 16-18 '64

PPU 20 mobile lifting unit. I. S. Dol'mit, A. S. Zarkh.  
Stroitel'noe mash. 8 no 147-148 Ja '63

## HOLMIUM ISOTOPES—SPECTRA

Levels of the  $\text{Ho}^{166}$  nucleus from the  $(n, \gamma)$  reaction.  
L. V. Gioshev, N. Shadiev. Izv. AN SSSR. Ser. fiz. 29  
no 5 782-786 My '65.

## HOME AND SCHOOL

From the pedagogical heritage of V. Ia Stouin. Sem'ia  
i shkola 20 no 5 20-21 My '65

"Parents with their children's first teachers." M. F.  
Koval'. Rad. shkol. 44 no 5 14-16 My '65  
Tashkent. Universitet. [Problems of training] Voprosy  
vospitaniia. Tashkent, 1961. 127 p. (Its Trudy,  
no 192. Pedagogicheskie nauki, no 1)

HOME ECONOMICS—ACCOUNTING see subdivision under  
Kazakhstan

## HOMOLOGY THEORY

Homology groups relative to a pair of groups of co-  
efficients from the axiomatic point of view. D. O.  
Baladze. Soob. AN Gruz. SSR 28 no 5 521-528 My  
'62.

Some remarks on various types of  $n$ -dimensional paral-  
lelehedra and the density of lattice coverings of  $E^n$   
space by equal spheres. S. S. Ryskov. Dokl. AN SSSR  
162 no 2 277-280 My '65.

## HOMOTOPY THEORY

New examples of four-dimensional manifolds. V. A.  
Rokhlin. Dokl. AN SSSR 162 no 2 273-276 My '65.

HONEY PLANTS see subdivision under *Dzhirgatali Preserve*;  
Bostandyk region (Kazakhstan)

## HONG KONG—SMUGGLING

Manners of the "free" world: History of a firm. I. A. Nov.  
vrem. 23 no 24 27 Ja '65

## HONING

Burov, V. S., L. T. Tatarkin, and V. A. Dergachev. [Lap-  
ping with diamond pastes. Using diamonds in honing;  
practice of the "T'ich" Abrasive Plant] Dovidka almaz-  
nykh pastami. Primenenie almazov pri khonirovanii;  
opyt abrazivnogo zavoda "T'ich." Leningrad, 1965.  
17 p. (Leningradskii dom nauchno-tekhnicheskoi propa-  
gandy. Seriya: Mekhanicheskaya obrabotka metallov)

HOPS see subdivision under *Ukraine*

## HOPS—DRYING

Improved design of hop heaters and dryers. A. Umanets,  
I. Reimann. Tekhn. v sel'khoz. 25 no 4 85-86 Ap  
'65

## HORMONE THERAPY

Basic principles of hormone therapy; a review of litera-  
ture. V. A. Beler, S. E. Popov. Voen.-med. zhur.  
no 8 12-18 '64.

Proliferation of the elements of the granulation tissue  
and the young epithelium in alternating administration  
of various hormones. A. I. Bukhonova. Arkh. pat  
27 no 3 43-48 '65.

## HORMONES (PLANTS)

Role of natural auxins and inhibitors in the growth of  
plants. V. I. Kefeli, R. Kh. Turetskaya. Agrokhimia  
no 1 110-131 Ja '65.

## HORMONES, SEX

Effect of therapeutic doses of aminazine on the action of  
gonadotropic hormones; preliminary report. A. I.  
Belkin, M. V. Lakhonina. Vop. klin. i patol. i lech. gizz.  
no 1 16-18 '64.

## HORNBEAM

Sereda, N. S. [Effective utilization of hornbeam in the  
national economy] Ratsional'noe ispol'zovanie graba v  
narodnom khoziaistve. Moskva, Lesnaia promyshlen-  
nost', 1965. 88 p.

HORNBLÉNDE see subdivision under *Ukraine*

## HORSE BREEDING

Vill, V. O., ed. [The raising and use of horses] Kore-  
vodstvo i konospol'zovanie. Moskva, Kolos, 1964. 382  
382 p. (Uchebniki i uchebnye posobia dlia vysshikh  
sel'skokhoziaistvennykh uchebnykh zavedenii)  
(NN)

HORSES see subdivision under *Kazakhstan*

## HOSIERY

Children's leggings. Zh. A. Gavrileh. Tekst. prom. 25  
no 5 52 My '65.  
Manufacture and finishing of hosiery made from cotton-  
capron yarn blends. L. L. Rubashkina, L. G. Safonova.  
Tekst. prom. 25 no 3 50-51 Mr '65

HOSIERY INDUSTRY see subdivision under *Leningrad*

## HOSPITALS

The hospital is protected. . . V. Rybasov, A. Kungyl,  
R. Moldvinova. Voen. znaniia no 3 20-29 Mr '65

## HOSPITALS—HYGIENE

Hospital hygiene in urological clinics. A. A. Kofman,  
S. T. Varshavskii, I. D. Zmolio. Antibiotiki 10 no 2:  
176-178 F '65.

## HOSPITALS—OUTPATIENT SERVICES

General principles of outpatient surgery. N. N. Prokof'ev.  
Vest. khir. 83 no 12 107-111 '64

## HOSPITALS, MILITARY

Experience in the organization of emergency treatment  
in military hospitals. G. I. Glezzer. Voen.-med. zhur.  
no 6 57-59 '64.

An institution of communist labor. I. P. Shopen, L. S.  
Lupovich. Voen.-med. zhur. no 8 10-11 '64.

Military medical training of the personnel of a military  
hospital. P. I. Nepochenko, G. S. Beder. Voen.-med.  
zhur. no 10 63-65 '64.

Organization of a resuscitation station at a military  
hospital. A. L. Ostapenko, I. I. Iusov. Voen.-med.  
zhur. no 10 65-68 '64.

## HOTBEDS—HEATING AND VENTILATION

Possibilities of heating hotbeds using hot-air heating.  
N. G. Zakharov, D. A. Kurtenet. Dokl. Akad. sel'khoz.  
nauk no 2 24-26 F '65.

## HOURS OF LABOR

Structural change in the leisure and working time of peas-  
ants during the Soviet period. A. S. Dachev. Vop. filoz.  
19 no 4 74-80 '65.

## HOUSE FURNISHINGS

A "Unit" store. L. Ermolina. Sov. iorg. 38 no 5 33-35  
My '65.

HOUSE MARTIN see subdivision under *Darguzin*  
*Preserve*

## HOUSEHOLD APPLIANCES, ELECTRIC

Electric household appliances and demands for them.  
G. Ivanov. Sov. iorg. 38 no 5 11-15 My '65.

## HOUSING—LAW AND LEGISLATION

Implications of the acquisition of personal property right  
to a dwelling when there is a simultaneous right to an  
apartment in a dwelling of a Housing and Building  
Cooperative. K. Zamiatina. Sov. iust. 20 no 7 20-22  
Ap '65.

Our replies to questions. Sov. iust. 20 no 6 31 Mr '65.  
Respect the interests of third persons when exchanging  
living space. I. U. Kon'kov. Sov. iust. 28 no 12 17  
Je '64.

Rights to living space of family members of shareholders  
in housing construction cooperatives. A. I. Mal'gina.  
Sov. gos. i pravo 35 no 5 120-125 My '65.

HOUSING, RURAL see subdivision under *Tatar*  
A. S. S. R.

## HULLS (NAVAL ARCHITECTURE)

Davydov, V. V., and N. V. Matos. [Dynamic strength  
calculations of ship structures] Dinamicheskie  
raschety prochnosti sudovykh konstruktov. Izd. 2,  
pererab. Moskva, Transport, 1965. 316 p.

HUMAN ANATOMY see *Anatomy, Human*

HUMAN EMBRYOLOGY see *Embryology, Human*

## HUMERUS

Substitution of extensive defects of the humerus. G. S.  
Samolov. Vest. khir. 82 no 6 98-101 Je '64.

## HUMERUS—FRACTURE

Technique of the internal fixation of fragments of the  
humerus in the supracondylar region. V. M. Dom'ianov,  
D. E. Velichko. Ortop., travm. i protez. 20 no 2 61-63  
F '65.

## HUMIC ACIDS

Effect of plants and fertilizers on the available humic and fulvic acid content of soil. V. P. Isovai. *Agrokhimia* no. 4 72-77 Ap '63

Role of humic acids in the increase of the effectiveness of compound fertilizers. V. G. Aulova. *Agrokhimia* no. 2 110-114 F '65

## HUMIDITY

(see also subdivision under Georgia)

Empirical orthogonal functions for the optimum parametrization of the temperature and humidity profiles. L. I. Kopyeva, M. S. Malkovich. *Izv. AN SSSR, Fiz. atm i okeana* 1 no. 1-27-32 Ja '65

Measuring humidity in low temperatures. V. A. Zaitsev, A. A. Ledokhov. *Probl. Arkt i Antarkt* no. 19: 15-21 '65

Some statistical characteristics of the vertical structure of the temperature and humidity fields. S. M. Popov. *Izv. AN SSSR, Fiz. atm i okeana* 1 no. 1 118-26 Ja '65

## HUMIN

Individual factors affecting the development of huminlike substances in a three-member complex. D. Karagui-sheva. *Izv. AN Kazakh. SSR, Ser. biol. nauk* 3 no. 2-3-8 Mr-Ap '65.

## HUMUS

(see also subdivision under Kamchatka; Nakhichevan A. S. S. R.; Vorkuta region, Komi A. S. S. R.)

Effect of graminaceous and leguminous grass mixtures and organic fertilizers on the microbiological processes in subtropical Podzolic soils. N. T. Kvastukhelia, K. K. Gambashidze, M. E. Dzhabell. *Soob. AN Gruz. SSR* 29 no. 1 73-80 Ji '62

Organic matter of soils of the various degrees of cultivation. N. P. Bel'chukova. *Agrokhimia* no. 2 88-100 F '65

Soil humus and the life of plants. M. M. Kononova. *Agrokhimia* no. 1-3-12 Ja '65.

Thurin, I. V. [Organic matter of soil and its role in fertility]. *Organicheskoe veshchestvo pochvy i ego rol' v plodorodii*. Moskva, Nauka, 1965. 318 p. (DNAL)

## HUNGARIAN LITERATURE—HISTORY AND CRITICISM

The style of life, literature and politics; sketches on Hungary. Il'ia Konstantinovskii. *Nov. vrem.* 28 no. 24: 24-26 Je '65

## HUNGARIAN PHILOSOPHY see Philosophy, Hungarian

## HUNGARY—AERONAUTICS, COMMERCIAL

With Hungarian friends. D. Turin. *Grazhd. av.* 22 no. 2:30 F '65

## HUNGARY—AIRPLANES—MODELS

From the practice of foreign airplane modeling. Kryl. *red.* 13 no. 3:28 Mr '62.

## HUNGARY—BOARDING SCHOOLS

School communes in Hungary. V. Lapchinskia. *Nar. obr.* no. 5:87 My '65.

## HUNGARY—CHEMICAL INDUSTRIES

Chemical industry is a basic factor in the development of our national economy. Sándor Sziladi. *Neftianik* 8 no. 5:9-10 My '63.

## HUNGARY—COOPERATIVE SOCIETIES

Along the road of socialism. *Sov. potreb. koop.* 9 no. 4: 31-39 Ap '65

## HUNGARY—ECONOMICS—STUDY AND TEACHING

From practice in teaching political economy in Hungary. E. Varga. B. Kompaktor. *Nauch. dokl. vuz. shkoly; ekon. nauki* 8 no. 3:95-103 '65.

## HUNGARY—PHILOSOPHY—BIBLIOGRAPHY

Bibliography of philosophical literature published in Hungary, 1960-1964. *Vop. filos.* 10 no. 4:170-180 '65.

## HUNGARY—POLITICS AND GOVERNMENT

The style of life, literature and politics; sketches on Hungary. Il'ia Konstantinovskii. *Nov. vrem.* 23 no. 24:24-26 Je '65

## HUNGARY—RELATIONS (GENERAL) WITH RUSSIA

Together with our Hungarian friends. N. P. Makara. *Vest. vuz. shkoly* 23 no. 4:90-91 Ap '65.

## HUNGARY—TEACHING

Pedagogical science in the People's Hungary. V. V. Homonnai. *Rad. shk.* 43 no. 4:98-100 Ap '65

## HUNGARY—WORLD WAR, 1939-1945—AERIAL OPERATIONS

Over the Hungarian plain. N. Shmolev. *Sov. voia* 47 no. 6:7-8 Mr '65.

## HUNGARY—WORLD WAR, 1939-1945—CAMPAIGNS

Spring came to Hungary. M. Sharokhin. *Voen. znan.* 41 no. 3:8-9 Mr '65.

## HUNS

Turkic names for domestic animals in the Hungarian language. V. S. Tsaklin. *Krat. soob. Inst. nar. Az.* no. 85:13-20 '64

## HUNTING see subdivision under Ulyanovsk Province

## HURBAN VAJANSKÝ, SVETOZÁR, 1847-1918

"Superfluous man" by I. S. Turgenev in the works of Svetozár Hurban Vajanský. A. Cherveniak. *Vest. LGU* 20 no. 8:67-75 '65.

## HUSBAND AND WIFE

Hundred times "Good luck to you!" V. A. Karbovskan. *Sem'ia i shkola* 20 no. 5 37-38 My '65

## HYDATIDS see subdivision under Azerbaijan

## HYDRATES

Crystalline hydrates of the middle cadmium selenide and their thermal decomposition. I. U. P. Sapozhnikov. [Trudy] GIPKH no. 51 31-39 '65.

## HYDRATION

Systems clinker-forming compound-water. Part 2: Influence of sodium and potassium oxides and active alumina on the hydration in the system  $C_3A - C_4AF$ . V. P. Chernykh, R. D. Azhikhaia, I. P. Ponomarev. *Izv. vuz. ucheb. zav., khim. i khim. tekhn.* 7 no. 6: 976-981 '64.

## HYDRAULIC CONTROL

Lemberg, M. D. [Hydraulic control systems]. *Sistomy gidravtomatiki*. Moskva, Energiia, 1965. 118 p. (Biblioteka po avtomatike, no. 131)

## HYDRAULIC CONVEYING

Use of hydraulic machinery in the river port of Khabarovsk. A. Potecv. *Rech. transp.* 24 no. 4:22-23 '65

## HYDRAULIC ENGINEERING

Calculating resistance to securing of river beds and canals in mountain and piedmont areas. N. V. Laptarev. *Stroitel'nikh. Uzb.* 6 no. 2 32-38 F '65

Economic substantiation of a through cut-off wall with a hydraulic barrier. G. Ambartsumian. *Prom. Arm.* 8 no. 3 19-21 Mr '65.

## HYDRAULIC ENGINEERING—CONGRESSES

At a seminar on the construction industry. A. A. Piatigorskii. *Gidrot. i mol.* 17 no. 2:57-60 F '65.

## HYDRAULIC ENGINEERING—ELECTROMECHANICAL ANALOGIES

Electric simulation in hydraulic engineering. V. Panchishin. *NTD* 7 no. 4:44-49 Ap '65.

## HYDRAULIC ENGINEERING—EQUIPMENT AND SUPPLIES

Use of a hydraulic integrator for solving filtration tasks. M. G. Kalitagina, V. N. Korenev. *Trudy VNIIGIM* 44:97-110 '64

## HYDRAULIC ENGINEERING—RESEARCH

Leningrad. *Vsesoyuznyi nauchno-issledovatel'skii institut gidrotekhniki*. [Annotations on the research work in hydraulic engineering completed in 1961]. *Annals of the Academy of Sciences of the USSR, Division of Engineering Sciences* 1961. 42 p. (Biblioteka po gidrotekhnike, Leningrad, Gosenergizdat, 1963. 480 p.)

[MICROFILM]

## HYDRAULIC ENGINEERING—TABLES, CALCULATIONS, ETC.

Geshlun, A. M. [Hydraulic calculations of fish farm structures; a textbook]. *Gidravlicheskoe rascheti sooruzhenii rybovodnykh khoz-istv, uchebnoe posobie*. Kalliningrad [Kalliningradskoe knizhnoe izd-vo], 1964. 42 p.

[MICROFILM]

## HYDRAULIC ENGINES

Effect of a cardan joint on the kinematics of pistons of axial-flow piston-type hydraulic engines. V. K. Prokofiev. *Izv. vuz. ucheb. zav., mashinostr.* no. 2:118-120 '65

Hydraulic engines with sector-ring plungers and their efficiency. V. V. Zavissha. *Izv. vuz. ucheb. zav., mashinostr.* no. 1:108-117 '65

## HYDRAULIC FILLING

(see also subdivision under South Burkhán Reservoir)

Determining the density of soils by the gamma-gamma probe in the process of the hydraulic filling of structures. P. S. Beapaly. *Trudy VNIIGIM* 44:176-183 '64.

Methods of calculating for designing the hydraulic fill of narrow-profile levees. V. M. Nikolaev. *Trudy VNIIGIM* 44:182-187 '64

## HYDRAULIC JACKS

The ISM-87 unit has been mastered. A. M. Korniletskii. *Ugol' Ukr.* 9 no. 5:5-6 My '65

## HYDRAULIC MACHINERY

Kinematics of endless axial-flow piston-type hydraulic machines. V. N. Prokofiev, G. F. Bodrashova. A. V. Sinev. *Izv. vuz. ucheb. zav., mashinostr.* no. 4 81-90 '65

## HYDRAULIC MINING

Introducing hydromechanization methods in open-pit mining in the R. S. F. S. R. *Bud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 2 8 F '65

## HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Efficient operating conditions for hydraulic coal dredgers. A. N. Zaria. *Ugol' Ukr.* 9 no. 5:25-27 My '65

Self-propelled equipment for hydraulic mechanization. G. P. Davidants. *Gor. zhur.* no. 3:42-45 Mr '65.

Using automatic intake SUSP-2 hydraulic coal dredgers for the cleaning of water pumps. P. P. Vershinin, A. P. Ermakov. *Gor. zhur.* no. 3:73-74 Mr '65.

## HYDRAULIC PRESSES

Dynamic processes in a hydraulic press during a momentary reduction of the working load. B. P. Vasil'ev. *Kuz.-strem. proizv.* 7 no. 3:27-33 Mr '65.

Experimental investigation of the models of a reinforced concrete cross bar for the power frame of a hydraulic press. A. V. Iashin. *Izv. vuz. ucheb. zav., mashinostr.* no. 1 84-89 '65

An instrument for the control of pressure in relation to plunger motion in hydraulic presses. M. G. Brandenburgskii, L. A. Korsunskii. *Kuz.-strem. proizv.* 6 no. 12:21 D '61

Ol'ey, I. A. [Pressing particle board in multistage hydraulic presses]. *Pressovanie struchelnykh plit v mnogostadiykh gidravlicheskikh pressakh*. Moskva, TSentr. nauchno-issl. i informatsii i tekhn.-ekon. issledovaniya po lesnoi, tselululozno-bumazhnoi, derevo-obrabatывaushchei promyshl. i lesnomu khoz., 1964. 26 p. (Derevobrabotka)

[MICROFILM]

Use of magnetic logical units in contactless circuits for controlling hydraulic presses. V. M. Lavertov. *Kuz.-strem. proizv.* 7 no. 1:36-37 Ja '65.

## HYDRAULIC PRESSES—DESIGN AND CONSTRUCTION

Straightening of large-size metal structures with a special hydraulic press. M. E. Kolliar, I. E. Steindorf. *Svar. proizv.* no. 3 35-36 Mr '65.

## HYDRAULIC STRUCTURES

Design of the underground profile of hydraulic structures. N. I. Druzhinin. *Trudy LITTSBP* no. 14:203-221 '64

## HYDRAULIC STRUCTURES—DESIGN AND CONSTRUCTION

Zamarin, E. A., and V. V. Fandeev. [Hydraulic engineering structures]. *Gidrotekhnicheskie sooruzhenia*. 5. izd. Moskva, Kolos, 1965. 822 p. (Uchebnykh i uchebno-pedagogicheskikh dlya vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

## HYDRAULIC STRUCTURES—ELECTROMECHANICAL ANALOGIES

Application of the electrohydrodynamic analogy method on electroconductive paper for the study of the underground profile of hydraulic structures on two-layered grounds. M. I. Druzhinin. *Trudy LITTSBP* no. 14:171-190 '64

## HYDRAULIC TURBINES—PARTS

Elinberg, I. E. [Theory and design of the blading of adjustable-blade hydraulic turbines]. *Teoriya i raschet protselnoi chasti povortnopolasnykh gidroturbin*. Moskva, Mashinostroenie, 1965. 349 p.

## HYDRAZIDES

Amides and hydrazides of oxalic acid. Part 6: Synthesis in the hydroxide series of N-substituted oxamic acids. P. A. Petunin, V. P. Razuvayeva. *Izv. vuz. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:941-944 '64.

Reactions of condensation with hydrazine derivatives. Part 1: Kinetics of aliphatic dicarboxylic acid reactions with dihydrazide of sebacic acid in m-cresol. V. A. Ianchovskii, A. P. Oreev, K. A. Kornev. *Zhur. org. khim.* 1 no. 1:40-44 Ja '65.

## HYDRAZINE

Interaction between vinyl esters of nitrobenzoic acids and hydrazine hydrate. M. P. Shostakovskii, L. I. Komarova. *Izv. AN SSSR, Ser. khim.* no. 5:822-825 '65.

Polarographic study of the reaction between  $\alpha, \beta$ -unsaturated carbonyl compounds and monosubstituted hydrazines. Part 2: Quantitative study and phases of reaction between phenylhydrazine and substituted chalcones. V. P. Lavrushin and others. *Zhur. org. khim.* 1 no. 1:98-101 Ja '65.

Use of hydrazine sulfate as a reducing agent in chemical nickel plating. V. I. Letatuev and others. *Izv. vuz. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:973-975 '64.

## HYDRAZONES

Synthesis and study of asymmetrical diarylthiocarbazonates with alkylmercapto and alkory substituents. L. S. Pupko, I. S. Peikha. *Zhur. org. khim.* 1 no. 1:118-121 Ja '65.



## HYDRIDES

- Antonova, M. M. [Properties of hydrides, a manual]  
Slova gidratov, spravochnik. Pod red. G. V. Samsonova. Kiev, Naukova dumka, 1965 58 p
- Hexafluoroacetone as an acceptor of hydride ions  
N. F. Gamberian, I. L. Ananians. Izv. AN SSSR Ser. khim. no. 4:722-723 '65

## HYDRIODIC ACID

- Contribution to the theory of nucleophilic additions.  
Part 13. Additions of hydrogen iodide to acetylenecarboxylic esters from mixtures of N-butyl quinolinium iodide and carboxylic acids in chloroform. G. F. Dvorko, T. I. Karpenko. Ukr. khim. zhur. 31 no. 1:75-83 '65

## HYDROBIOLOGICAL RESEARCH

- Freshwater hydrobiology at the present stage of its development. A. V. Tsochevskii. IA. T. Tseeb. Gidrobiol. zhur. 1 no. 1:5-11 '65
- Present state and future development of freshwater radiation hydrobiology. V. I. Zhadin. Gidrobiol. zhur. 1 no. 1:20-24 '65

## HYDROBIOLOGY

- Biologic balance between matter and energy and biological productivity of the bodies of water. G. G. Vinberg. Gidrobiol. zhur. 1 no. 1:25-32 '65

## HYDROPHIOLOGY—CONGRESSES

- Congress of the Hydrobiological Society. B. Ia. Vilenkin. Priroda 54 no. 4:111-112 4p '65.

## HYDROGENIC ACID

- Addition of hydrogen bromide to certain acetylenic ketones. I. F. Chelpanova, V. D. Nemirovskii, L. N. Mishlakovskii. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:945-947 '64

## HYDROCARBONS

- (see also subdivision under Koturtepe Oil Field, West Siberian Plain)
- Absorption of the vapors of individual hydrocarbons by molecular sieves. G. M. Panchenko, V. A. Skoble. Trudy NII Khim. no. 44:220-226 '63.
- Catalytic synthesis of high-molecular hydrocarbons from carbon monoxide and hydrogen in the presence of CoH<sub>2</sub>O-Kieselguhr catalysts promoted by zirconium dioxide or titanium. I. A. T. Eidsus and others. Neftekhim. 5 no. 1:68-75 Ja-F '65
- Complex formation of paraffin hydrocarbons of normal structure with carbonyl. V. A. Iatusev, L. S. Bogatova. Trudy MENKIBP no. 44:275-277 '63.
- Isotopic exchange of hydrogen in hydrocarbons on rare earth oxides. Report 3: Deuterium exchange in hydrocarbons on gadolinium oxide. Kh. M. Minachev and others. Izv. AN SSSR, Ser. khim. no. 4:618-625 '65
- Mechanism of complexing in case of the reaction of n-paraffin hydrocarbons with an aqueous solution of urea. F. A. Chuganov, B. V. Klimenok. Izv. vys. ucheb. zav., ref. 1:42 8 no. 3:51-54 '65.
- Petroleum hydrocarbons as a source of carbon for microscopically mycelial soil fungi. V. I. Bilal and others. Mikrobiol. zhur. 27 no. 2:3-10 '65.
- Synthesis of hydrocarbons from carbon monoxide and hydrogen on iron catalysts with a low iron content. E. I. Novak, A. N. Bashkurov. Neftekhim. 5 no. 1:76-81 Ja-F '65

## HYDROCARBONS—PHYSIOLOGICAL EFFECT

- Experimental cancer of the epididymis induced in white rats by carcinogenic hydrocarbons. A. G. Bobkov. Arkh. pat. 26 no. 12:18-26 '64

## HYDROCHLORIC ACID

- Complex processing of table salt. Part 2: Decomposition of ammonium chloride by sulfuric acid with the production of ammonium bisulfate and hydrogen chloride. M. G. Manvelian, G. O. Grigorian, S. S. Karakhanian. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:92-95 '65
- Content of free hydrochloric acid and late results of gastric reaction in perforating ulcer. V. F. Ivlev. Sov. med. 28 no. 1:49-53 Ja '65.
- Chlorination of di-vinyl chloride in a descending through-flow process. Azerb. khim.

xy\*

hydrogen  
nur. ob

stylenic  
served  
diol with  
stoplatov,  
197 Ap

itiles  
A. Levin,  
1

Liquid flow between rotating coaxial cylinders making allowance for heat of friction and the temperature dependence of viscosity. S. A. Kaganov. Inzh.-fiz. zhur. 8 no. 3:307-310 M '65

Nonlinear theory of the appearance of turbulence in flows with a mean velocity gradient. E. M. Khazen. Dokl. AN SSSR 161 no. 4:795-798 Ap '65.

Nonsteady diffusion flow toward a moving droplet at low Re numbers. V. V. Dillman. Inzh.-fiz. zhur. 8 no. 3:310-324 M '65

S. S. Zhabrodskii's monograph on "Hydrodynamics and heat transfer in a fluidized bed." N. I. Syromiatnikov and others. Inzh.-fiz. zhur. 8 no. 3:413-414 M '65.

Studying the hydrodynamics and mass transfer in rotary apparatus. I. M. Anoshin, G. V. Iol'skii. Izv. vys. ucheb. zav., fizich. tekhn. no. 1:114-150 '65

HYDROELECTRIC POWER see subdivision under Russia, Northern

## HYDROELECTRIC POWER STATIONS

- (see also subdivision under Siberia; see also Belomorsk Hydroelectric Power Station; Dneprodzerzhinsk Hydroelectric Power Station)
- Determining the planned level of navigable rivers in the unsteady regimen zone of the left waters of hydroelectric power stations. A. Kazakov. Rech. transp. 24 no. 4:11-43 '65.
- Evaluation of the effect of oscillations in the downstream level of hydroelectric power plants on the optimal distribution of active load in the power system. F. Juska. Trudy AN Litv. SSR, Ser. B no. 3:205-208 '61.

## HYDROELECTRIC POWER STATIONS—DESIGN AND CONSTRUCTION

- Supply base and continuous operation. A. Gusakov. Ekon. stroi. no. 12:19-22 D '64.
- We are uncovering our potentialities. I. Safonov. Ekon. stroi. no. 12:52-53 D '61.

## HYDROFLUORIC ACID

- Effect of oxygen adsorption on the components of the potential jump at the germanium-hydrofluoric acid interface. I. V. Pleskov. Elektrokhim. 1 no. 1:4-11 Ja '65.
- Reaction of lithium hexafluorogermanate with hydrogen fluoride solutions. I. I. Tyshinskaya, A. A. Opalovskii, N. S. Nikolaev. Izv. AN SSSR, Ser. khim. no. 4:744-746 '65

## HYDROFOIL BOATS see subdivision under Black Sea

## HYDROFOIL BOATS—MAINTENANCE AND REPAIR

see subdivision under Omsk

## HYDROGEN

(see also subdivision under Ustyurt)

Experimental study of the viscosity of hydrogen. N. V. Tsederberg, V. N. Popov, L. I. Andreev. Teploenergetika 12 no. 4:84-86 Ap '65

High-excited hydrogen atoms and Lorentz ionization. N. V. Fedorenko, V. A. Anudinov, R. N. Ilin. Zhur. tekhn. fiz. 35 no. 4:583-604 Ap '65

Hydrogen diffusion in basic steelmaking slags. G. S. Ershov. Izv. AN SSSR, Met. no. 1:78-81 Ja-F '65.

Mass spectrometric detection of reactions between highly excited hydrogen atoms and ethylene molecules. S. F. Kuznetsov. Dokl. AN SSSR 162 no. 4:865-868 Ja '65.

Reduction of mercury selenite with hydrogen. L. Ia. Markovskii. [Trudy] GIFKII no. 51:30-33 '64

## HYDROGEN—SPECTRA

Variation of the contours of lines of the Paschen series of hydrogen in the solar spectrum. T. S. Khetsuriani. Soob. AN Gruz. SSR 37 no. 3:563-565 Mr '65

## HYDROGEN BONDING

Special features of the intramolecular hydrogen bonding in molecules of the acids of o-hydroxyaldehydes and o-hydroxyanilins. V. I. Minkin and others. Dokl. AN SSSR 162 no. 1:109-111 My '65.

## HYDROGEN HALIDES

Nucleophilic addition of hydrogen halides to perfluorobutylene. I. L. Kuntanits, M. P. Krauskata, N. P. Gamberian. Izv. AN SSSR, Ser. khim. no. 4:723-726 '65.

## HYDROGEN-ION CONCENTRATION

- Methods and equipment for measuring the pH in the layer adjacent to an electrode by means of an antimony micro-electrode. E. I. Storchal, A. V. Turkovskaya, Zashch. met. 1 no. 1:118-121 Ja-F '65.
- Relation between equilibrium concentrations of H<sup>+</sup> and OH<sup>-</sup> ions and the activity of the H<sup>+</sup> ion. N. P. Komar, N. N. Tsin' Zung. Dop. AN URSR no. 5:622-626 '65.
- Study of the course of adenosinetriphosphatase reaction by the appearance of hydrogen ions in the medium. G. N. Zatepina, S. E. Shnol'. Biofizika 10 no. 1:37-41 '65
- Volta effect and the acidity of electrolyte solutions. I. U. Rybkin, N. F. Shevchenko. Elektrokhim. 1 no. 1:46-52 Ja '65.

## HYDROGEN PEROXIDE

- Hydrogen peroxide in analytical chemistry. Part 1: Amperometric titration of chromium on an apparatus with a rotating platinum electrode. S. M. Iatishvili, A. K. Zhdanov. Ukr. khim. zhur. 8 no. 5:23-30 '61
- Polycyclic study of the catalytic decomposition of hydrogen peroxide in homogeneous alcohol-aqueous solutions. Kh. M. Khanumjan. Izv. AN Arm. SSR, Khim. nauki 18 no. 1:6-9 '65

HYDROGEN PEROXIDE—EFFECT ON PLANTS see Plants, Effect of hydrogen peroxide on

## HYDROGEN SULFIDE

- Interaction of hydrogen sulfide with β-methoxy ketones in the presence of sulfuric acid. S. A. Vartanian, A. S. Noravian, V. N. Zhamangolian. Izv. AN Arm. SSR, Khim. nauki 18 no. 1:124-125 '65
- Purification of gas by the removal of hydrogen sulfide in a fluidized bed of clays. M. Altybaev and others. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:958-961 '64.

## HYDROGENATION

- Adsorptive properties and reactivity of olefins of various structure in hydrogenation over a silver catalyst. V. M. Belousov, A. V. Getaltingina. Ukr. khim. zhur. 30 no. 6:596-599 '64.
- Catalytic hydrogenation of quinones in the presence of Pt, Pd, and Rh catalysts. M. L. Khitchevskii and others. Izv. AN SSSR, Ser. khim. no. 3:512-513 '65.
- Hydrofining a kerosene fraction. I. E. Drabkha and others. Nefteprom. i neftekhim. no. 4:14-16 '65.
- Hydrogenation of cinnamaldehyde on a nickel catalyst in the presence of pyridine and mercury. D. V. Sokol'skii, K. Z. Belskov. Vest. AN Kazakh. SSR 21 no. 4:11-11 Ap '65.
- Hydrogenation of cis-1,4-polybutadiene in the presence of soluble catalysts. A. I. Akubekht and others. Dokl. AN SSSR 161 no. 6:1365-1367 Ap '65.
- Hydrogenation of soy-bean oil on a nickel-formate catalyst. N. K. Nadirov, V. I. Komarov. Izv. vys. ucheb. zav., fizich. tekhn. no. 1:107-110 '65
- Hydrogenation of sunflower seed oil in the form state. G. M. Faylov and others. Izv. vys. ucheb. zav., fizich. tekhn. no. 1:86-88 '65.
- Initiation of hypopolymerization-reaction of olefins during their hydrogenation in the presence of a cobalt catalyst at 200°. I. A. T. Eidsus, B. K. Nedodov. Izv. AN SSSR, Ser. khim. no. 5:888-893 '65.
- Processes occurring on a platinum-platinum electrode introduced into solutions of C<sub>2</sub>H<sub>5</sub>OH, n-C<sub>3</sub>H<sub>7</sub>OH, and n-C<sub>4</sub>H<sub>9</sub>OH. B. I. Podlovenko. Elektrokhim. 1 no. 1:101-108 Ja '65.
- Reduction of esters of substituted α-nitroacrylic acids on a skeletal nickel catalyst. K. K. Dabievskii. Izv. AN SSSR, Ser. khim. no. 4:750-751 '65
- Selective hydrogenation of dimethylacetylenylacetal on Pd black in the presence of cadmium ions. M. A. Zakarina, G. D. Zakumbeva, D. V. Sokol'skii. Dokl. AN SSSR 162 no. 1:814-816 Je '65.
- Successive feed of hydrogen in hydrogenation processes. B. N. Chvalnizko and others. Maslozhir. prom. 31 no. 2:28-30 F '65

## HYDROGENOLYSIS

Catalytic hydrogenolysis of ethane and cyclohexane on Ni-Kieselguhr catalysts. T. A. Slovokhotova and others. Izv. AN SSSR, Ser. khim. no. 5:755-752 '65.

HYDROGRAPHY see subdivision under Indigirka Delta; Ob' Bay; Taz Bay; Ural Mountain region

## HYDROLOGY

(see also subdivision under Alaska, Gulf of; Georgia; Khantaiskii Valley; Shari Lowland)

Befani, N. F., and G. P. Kalinin. [Exercises and methodological developments on hydrological forecasts] Uprazhneniia i metodicheskie razrabotki po gidrologicheskim prognozam. Leningrad, Gidrometizdat, 1965. 439 p.

HYDROLOGY—BIBLIOGRAPHY see Bibliography—Hydrology

## HYDROLYSIS

- Composition of the reducing nonsugars of hydrolyzates. I. I. Korot'kov, E. F. Likhonova. Gidroliz. i lesookhim. prom. 18 no. 3:6-12 '65.
- An experimental shop at the Leningrad Hydrolysis Plant. M. M. Sapozhko, S. Z. Sirotnikov. Gidroliz. i lesookhim. prom. 18 no. 3:27-29 '65.
- Generalized scheme for the hydrolysis of the boron hydride ion and diborane. K. N. Mochalov, V. S. Khain, G. G. Gilmanshin. Dokl. AN SSSR 162 no. 3:613-616 My '65.
- Improve the chemical and technical production control. A. E. Norina. Gidroliz. i lesookhim. prom. 18 no. 3:32 '65.
- Intensification of the purification of fats obtained by the hydrolysis method. K. Shevchenko. Mias. ind. SSSR 36 no. 2:83-84 '66.

## HYDROLYSIS (Continued)

- Investigating the process of sugar separation in case of the use of a side feeding tube for percolation. E. Sh. Krestan, I. I. Korot'kov. *Gidroliz i lesokhim* prom., 18 no 2:6-9 '65.
- Nucleotides, coenzymes, and phosphoric esters. Part 6: Separation and hydrolytic splitting of phosphoric esters of riboflavin. V. M. Berezovskii, R. V. Artemkina, M. A. Cheinova. *Zhur. ob. khim.* 35 no 4:677-681 Ap '65.
- Obtaining tryptic hydrolysates from milk and serum albumins for growing tissue cultures. L. N. Shoshuev. *Ukr. biokhim. zh.* 31 no 3:387-393 '62.

- Propagation of fodder yeast on corn cob hydrolyzates. S. I. Belen'kii, L. I. Komarova. *Gidroliz i lesokhim*, prom., 18 no 3:20-22 '65.
- Reaction of the cohydrolysis of methylallyldichlorosilane with methyl- and ethyldichlorosilanes. K. A. Andrianov and others. *Zhur. ob. khim.* 35 no 4:698-700 Ap '65.
- Synthesis and transformations in the series of diarylureas. Part 18: Hydrolysis of N-chloro derivatives of diarylureas. D. F. Kitepov, L. V. Evdokushina. *Zhur. ob. khim.* 1 no 1:189-191 Ja '65.
- Use of hydrocylones and centrifuges for clarifying the product of hydrolyzate neutralization. L. Kh. Vodolazova, T. S. L. Melamed. *Gidroliz i lesokhim* prom., 18 no 3:7-9 '65.

## HYDROLYSIS—EQUIPMENT AND SUPPLIES

- Effimov, V. A. [Operation and repair of hydrolysis plant equipment]. *Eksplantatsia i remont oborudovaniia gidroliznykh zavodov*. Moskva, Lesnaya promyshlennost', 1965. 191 p.

## HYDROMAGNETIC WAVES see Magnetohydrodynamics

## HYDROMETALLURGY

- Autoclave processing of intermediate products of converter matte flotation separation. I. N. Maslentskii, L. V. Chugayev. *TSvet. met.* 38 no 4:35-39 Ap '65.

- HYDROMETALLURGY—EQUIPMENT AND SUPPLIES  
Moscow, Institut goznogo dela imeni A. A. Skochinskogo. [Ion exchange and extractive methods in chemical ore dressing processes]. *Izobreteniye i ekstraktsionnye metody v khimiko-obogatitel'nykh protsessakh*. Moskva, Nauka, 1965. 87 p.

## HYDROMETEOROLOGICAL RESEARCH see subdivision under Atlantic Ocean

## HYDROMETEOROLOGY see subdivision under Balkan, Lake

## HYDROMETER

- Using a collection hydrometer for measuring the density of clay and cement muds. V. V. Shul'gin. *Burenie* no 9:34-35 '64.

## HYDROMICA see subdivision under Dniester Valley

## HYDROPEROXIDES

- Mechanism of the formation of free radicals in the decomposition of hydroperoxides by the action of organic acids. I. G. Trivalova, Z. K. Malzua, N. M. Emanuel'. *Dokl. AN SSSR* 161 no 5:1135-1137 Ap '65.

## HYDROPHOBIA see Rabies

## HYDROPONICS

- (see also subdivision under Russia, Northern)  
Pashkiv'skiy, A. I. [On the Vesolyi Maldan Farm] *Natsional'nyy Mal'dan. Kyiv, Molod'*, 1964. 49 p. (DNAL)

- Physicochemical characteristics of Kovdor vermiculite as a substrate for the hydroponic growing of plants. V. N. Pereverzev. *Agrokhitm* no 2:115-122 F '65.
- Soilless growing of plants as a method for the intensive use of greenhouses in vegetable growing. N. P. Rodnikova. *Izv. TSKHA* no 5:135-147 '64.

- Use of hydroponics in vegetative propagation of orchard plants. M. T. Tarasenko, A. P. Koi-natskii, E. G. Sokolova. *Izv. TSKHA* no 5:148-164 '64.

## HYDROQUINONE

- Interaction in the ternary system urea - hydroquinone - resorcinol. I. I. Il'iasov, A. G. I. Alabekov, A. G. Bergman. *Zhur. ob. khim.* 35 no 4:602-606 Ap '65.
- Study of the oxidation kinetics of hydroquinone with hydrogen peroxide in the presence of copper and pyridine ions. E. M. Strel'tsova, V. I. Petrashin'. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 7 no 6, 919-923 '64.

## HYDROXIDES

- Study of the kinetics and mechanism of the ferrite formation during the aging of metal hydroxide systems. V. P. Chalyi, E. N. Lukachina. *Izv. AN SSSR. Neorg. mat.* 1 no 1:131-135 Ja '65.

## HYDROXY COMPOUNDS

- Amides and anhydrides of phosphorus acids. Part 4: Phosphorylation of hydroxyl-containing compounds with p-diethylamido-p-acetyl-o-alkyl phosphites. V. P. Evdokov, E. K. Shlenkova, K. A. Bilevich. *Zhur. ob. khim.* 35 no 4:728-731 Ap '65.

## HYDROXY STEROID DEHYDROGENASE

- Effect of repeated administration of ACTH on the activity of 3 $\beta$ -ol-dehydrogenase and the synthesis of steroids from progesterone in the adrenal glands of rabbits. G. S. Moiseva. *Probl. endok. i germ.* 11 no 1:71-77 Ja-F '65.

## HYDROXYLAMINE

- Solubility of hydroxylamine sulfate in cyclohexanone and the separation of the cyclohexanone oxime complex system. V. P. Goguidze and others. *Soob. AN Gruz. SSR* 37 no 3:567-572 Mr '65.
- Using N-benzoylphenylhydroxylamine in the amperometric titration of cerium, thorium, and lanthanum. V. D. Vasilenko, G. S. Mazharovskaya. *Ukr. khim. zhur.* 31 no 1:101-104 '65.

## HYDROXYLAMINE—PHYSIOLOGICAL EFFECT

- Induction of r- and h-mutations in the treatment of the extracellular T-2 phage with hydroxylamine and o-methylhydroxylamine. B. F. Chubakov, S. G. Tatarova. *Zhur. mikrobiol. i epid. i immun.* 42 no 1:50-83 Ap '65.

## HYDROZINCITE

- Hypogene hydrozincite. V. V. Mogarovsky, G. N. Tarnovsky, E. K. Vasil'ev. *Dokl. AN SSSR* 161 no 4: 929-931 Ap '65.

## HYGIENE

- Gabovich, R. D. [Hygiene] *Gigiena*. Izd. 2, ispr. i sokr. Moskva, Meditsina, 1965. 319 p.

## HYGROMETERS

- The airplane electrical hygrometer A-55 and the results of its field tests. V. A. Devlatova. *Trudy TSAO* no 60: 100-107 '64.

## HYGROSCOPICITY

- Effect of heat treatment on the hygroscopicity of sunflower seeds. V. G. Sheerbakov, V. N. Siko. *Izv. vys. ucheb. zav. i psikh. tekhn.* no 2:27-38 '65.
- Heat transfer and hygroscopicity of sunflower seed husk and kernel. V. K. P. Edichenskiy. *Izv. vys. ucheb. zav. i psikh. tekhn.* no 2:142-146 '65.

## HYMENOMYCETES see subdivision under Denezhkin Kamen'

## HYMNS, VEDIC

- Interpretation of the Vedic hymn "Nasad." V. V. Brodov. *Krat. soob. Inst. nar. i. Az.* no 71:41-45 '64.

## HYPERCAPNIA

- Respiratory arrhythmia and respiratory atreoventricular block in hypercapnia and hypoxia. L. S. Ul'ianovskii, L. A. Dzhurava. *Fiziol. zhur.* 51 no 3:340-349 Mr '65.

## HYPERONS

- Hyperon production in pN and NN-collisions. I. A. Kuchin, I. A. Usik. *Ad. fiz.* 1 no 3:547-550 Mr '65.

## HYPERSONIC AERODYNAMICS see Aerodynamics, Hypersonic

## HYPERTENSION

- Akademija meditsinskikh nauk SSSR, Moscow, Institut terapii*. [Hypertension and atherosclerosis of the coronary arteries, methodological instructions on diagnosis, treatment and prevention]. *Giperionicheskaia bolezn' i ateroskleroz koronarnykh arterii, metodicheskie ukazaniia po diagnostike, lecheniu i profilaktike*. Pod red. A. L. Miasnikova i E. I. Chazova. Moskva, 1964. 176 p. (DNLM)

- Biocatalytic activity of the brain in regional cerebral hypo- and hypertension, clinical encephalographic characteristics. L. A. Areshnikova, R. P. Belonog. *Zhur. nevro. i psikh.* 65 no 4:531-534 '65.
- Characteristics of the course of late toxemia in pregnant women with hypertension. I. I. Benediktov, A. M. Shevchenko. *Akush. i ginek.* 40 no 5:61-65 S-O '64.
- Daily fluctuations of the functional state of the adrenal cortex in hypertension. M. A. Alekperov. *Azerb. med. zhur.* 42 no 1:27-32 Ja '65.

- Determination of the cholate-cholesterol coefficient and the amount of bile acid salts in atherosclerosis of the liver and portal hypertension. A. N. Ardamatskaya. *Vest. khim.* 04 no 2:52-55 F '65.

- Exercise therapy for hypertension patients in a sanatorium. T. I. Batina. *Voen.-med. zhur.* no 7:74-75 '64.
- Experimental hypertension induced by the administration of vitamin D. T. G. Efimova. *Trudy Khar. med. inst.* no 36:103-107 '67.

- Oxidation and stabilization of adrenaline in the blood of animals with experimental models of hypertension and atherosclerosis. M. Yu. Galinskaya. *Trudy Khar. med. inst.* no 36:146-149 '67.

- Pathomorphological changes in the parathyroid glands in hypertension. A. S. Stupina. *Trudy Khar. med. inst.* no 36:397-341 '67.

- Pathomorphological changes in the solar plexus in hypertension and atherosclerosis. P. A. Bordiug. *Trudy Khar. med. inst.* no 36:343-350 '67.

- Pathomorphology of the frontal lobes of the human brain in hypertension. I. U. Makiyev. *Trudy Khar. med. inst.* no 36:351-358 '67.

- Postmortem angiography in pulmonary hypertension. G. S. Kruchkova. *Arkh. pat.* 26 no 12:52-57 '64.

- Problem of regional hypertension and their possible significance in the pathogenesis of some diseases. I. K. Es'pova, G. S. Kruchkova. *Arkh. pat.* 27 no 4:83-88 '65.

- Reaction of the blood circulation apparatus to the influence of vasoconstrictors and vasodilators in experimental neurogenic hypertension. I. V. Dobrogaeva. *Trudy Khar. med. inst.* no 36:273-278 '67.

- Renal blood flow in experimental hypertension of central nervous system origin due to "severing" of higher nervous activity. L. D. Khalielova. *Fiziol. zhur. [Ukr.]* 9 no 1:123-125 Ja-F '63.

- Role of the vagus nerve in experimental hypertension originated in the central nervous system. N. I. Red'ko. *Trudy Khar. med. inst.* no 36:131-135 '67.

- Some characteristics of cardiovascular reactions in experimental hypertension in old animals. N. P. Stroganova. *Vop. geront. i geriat.* 4:67-72 '65.

- Study on the effect of octadecan on the tone of the large arteries in hypertension patients depending on age. A. V. Tokar'. *Vop. geront. i geriat.* 4:217-221 '65.

- Surgical treatment of nephrogenous hypertension and its results. A. I. Pytel'. *Vest. khim.* 04 no 2:3-13 F '65.

## HYPERHYDROIDISM

- Some biochemical indices in thyrotoxicoses. G. A. Kazarian and others. *Izv. AN Arm. SSR. Biol. nauki* 18 no 1:91-96 Ja '65.

## HYPERTROPHY

- Senile changes in an organ suffering from prolonged hyperfunction. F. Z. Meerson and others. *Dokl. AN SSSR* 162 no 2:441-444 My '65.

## HYPERVITAMINOSIS

- Role of the hypophysis in the development of hypertrophy of the adrenal glands in hypervitaminosis A in rats. A. O. Natanson, N. I. Mitaishova, A. V. Churayev. *Probl. endok. i germ.* 11 no 1:87-92 Ja-F '65.

## HYPNOTISM

- Materials of further study of the dynamic localization of conditioned inhibition induced by suggestion in hypnosis. I. I. Korotkin, M. M. Suslova. *Zhur. vys. nerv. deiat.* 15 no 1:53-60 Ja-F '65.

## HYPOCHLORITES

- Decomposition of hypochlorite in the presence of copper in a homogeneous medium. A. Prokopchik, J. Butkevicius. *Trudy AN Litv. SSR. Ser. B* no 3:31-40 '64.
- Hypochlorite oxidation of trimethylethylene. M. M. Movsumzade, F. G. Ismailova. *Azerb. khim. zhur.* no 3:59-63 '64.
- Photolysis of hypochlorite in alkaline solutions. Part 1: Quantum yields of photolysis. A. Prokopchik, J. Janickis, M. Salkauskas. *Trudy AN Litv. SSR. Ser. B* no 3: 49-60 '64.
- Photolysis of hypochlorite in alkaline solutions. Part 2: Effect of photolysis products on quantum yields. A. Prokopchik, J. Janickis, M. Salkauskas. *Trudy AN Litv. SSR. Ser. B* no 3:61-71 '64.

## HYPOCHONDRIA

- Socially dangerous actions of schizophrenia patients with a leading hypochondriacal syndrome. G. A. Sultanov. *Vop. klin., patog. i lech. shiz.* no 1:135-137 '64.

## HYPODERMIC INJECTIONS see Injections, Hypodermic

## HYPOPHOSPHITES

- Catalytic decomposition of hypophosphites. Part 3: Effect of catalytically inactive additions. A. Luncas. *Trudy AN Litv. SSR. Ser. B* no 3:73-80 '64.
- Convenient synthesis of alkyl hypophosphites. E. E. Nifant'ev, L. P. Levina. *Zhur. ob. khim.* 35 no 4:758 Ap '65.
- Electrochemical characteristics of nickel in the process of its reduction by hypophosphites. K. M. Gorbunova, A. A. Nikiforova. *Zashch. met.* 1 no 1:83-89 Ja-F '65.

## HYPOTENSION

- Biocatalytic activity of the brain in regional cerebral hypo- and hypertension; clinical encephalographic characteristics. L. A. Areshnikova, R. P. Belonog. *Zhur. nevro. i psikh.* 65 no 4:531-534 '65.
- Comparison of changes in carbohydrate metabolism and oxygen regimen of the liver in traumatic shock and stable hypotension. R. L. Gogolova, S. A. Seleznev. *Biol. eksp. biol. i med.* 58 no 4:33-38 Ap '65.
- New biological characteristics of primary arterial hypotension. L. I. Popov. *Zhur. nevro. i psikh.* 65 no 4: 535-538 '65.

## HYPOTHALAMUS

- Characteristics of the structural organization of the hypothalamus in man and some primates (chimpanzees, macaca). V. S. Kesarev. *Zhur. nevro. i psikh.* 65 no 5:695-702 '65.

## HYPOTHALAMUS (Continued)

Course of the secretory alimentary reflex in stimulation of the lateral part of the hypothalamus. N. A. Kostenets-Kada. *Zhurn. vyss. nerv. del.* 13 no 2 325-331 Mr-Apr '65

Effect of electrical stimulation of the anterior portion of the hypothalamus on the reconstruction of the immunogenic reactivity of the organism. A. A. Abinder. *Zhur. mikrobiol., epid. i immun.* 41 no 10 47-50 '64

Functional and morphological changes in the hypothalamus-hypophysis system under the effect of the neurotropic drug ethylmorphine. V. E. Ryzhenkov, S. A. Tsoi. *Biol. eksp. biol. i med.* 50 no 1 64-66 Apr '65

Functional changes in the hypothalamus-hypophysis system. V. O. I. Benko. *Fiziol. zhur.* [Ukr.] 11 no 1 12-17 Jan '63

## HYPOTHALAMUS—DISEASES

Kakhan, M. S. [Hypothalamic syndromes] Gipotalamicheskie sindromy. Kishinev, Karimoldovskaya, 1965. 215 p. (DVLMA)

## HYPOTHALAMUS—SURGERY

Further study of the hypothalamus area in the regulation of the immunogenesis process. L. M. Khai and others. *Zhur. mikrobiol., epid. i immun.* 41 no 10 7-12 '64

## HYPOTHERMIA

Ammonia-glutamic acid-glutamine system in the brain of rats in various phases of hypothermia. I. I. Veksler, Z. S. Gershonovich. *Ukr. biokhim. zhur.* 34 no 3 406-416 '62

Comparative evaluation of cooling and warming periods in deep hypothermia, morphological and histochemical study. G. D. Kniadze. *Arkh. pat.* 27 no 5 52-59 '65

Elimination of the state of hypothermia in dogs by means of high frequency currents. N. V. Semenov. *Biol. eksp. biol. i med.* 50 no 4 17-19 Apr '65

## IASOVIN, GRIGORI VOL'FOVICH, 1884-1950

Grigori Vol'fovich Iasovin (1884-1950); on his 80th birthday. A. G. Knerre. *Arkh. anat. i gist. embr.* 40 no 4 104-111 Apr '64

ICE see subdivision under Arctic regions, Greenland

## ICE—ELASTIC PROPERTIES

Types of elastic waves in a thin ice layer. V. N. Smirnov. *Probl. Arkt. i Antarkt.* no 19-64-65 '65

## ICE—TESTING

Difference in the resistance of ice to compression and tension. V. V. Lavrov. *Dokl. AN SSSR* 162 no. 1 54-56 May '65

## ICE-BREAKING VESSELS

(see also subdivision under United States)

Calculation of the earliest possible dates of breaking fast ice with icebreakers using the "tandem" method. A. A. Firilov, V. A. Spichkin. *Probl. Arkt. i Antarkt.* no. 19-62-63 '65

ICE CAVES see subdivision under Czechoslovakia

## ICE CREAM, ICES, ETC.—MICROBIOLOGY

Indicator micro-organisms and improvement of the bacteriological control in the production of ice cream. F. S. Derbinova. *Khol. tekhn.* 42 no. 2 43-50 Mr-Apr '65

ICE CREAM INDUSTRY—MANAGEMENT see subdivision under Moscow Province

## ICE INDUSTRY—EQUIPMENT AND SUPPLIES

Ice molds made from glass plastics. N. V. Dem'ianov, E. S. Furman. *Zhurnal. transp.* 47 no 3 85 Apr '65

ICE ON RIVERS, LAKES, ETC. see subdivision under Siberia; see also subdivision 'Ice' under El'gygygyn, Lake; Yenisey River

ICE ROADS see Roads, Ice

## ICELANDIC AND OLD NORSE LANGUAGES—WORDS

The analytical word as a particular type of analytical construction. O. A. Smirnitkaya. *Vest. Mosk. un. Ser. 7. Filol. zhur.* 20 no. 2 53-60 Mr-Apr '65

ICHNEUMON FLIES see subdivision under Azerbaijan

## ICHTHYOLOGICAL RESEARCH

Some problems of ichthyology. F. I. Baranov. *Trudy Kal. tekhn. inst. ryb. prom. i khoz.* no. 143-9 '62

## IDEALS (ALGEBRA)

Closed ideals in a denumerably normalized algebra of integral analytic functions. P. K. Rashevskii. *Dokl. AN SSSR* 162 no 3 513-515 May '65

Functions in categories of Banach spaces determined by KB-linear. V. L. Levin. *Dokl. AN SSSR* 162 no. 2: 262-265 May '65

Upper bound and arithmetic calculation of the class-number of ideals of real quadratic fields. I. Sh. Slavutskii. *Izv. vys. ucheb. zav., mat.* no 2 161-165 '65

## IDEAS, ASSOCIATION OF see Association of Ideas

## IGARKA (KRASNOYARSK TERRITORY)—LUMBER TRADE

Present status and prospects of the export of timber through Igarka by the Northern Sea Route, on the 35th anniversary of Igarka. E. V. Greshnova. *Probl. Arkt. i Antarkt.* no 19-5-9 '65

IGNEOUS ROCKS see Rocks, Igneous

IGNIMBRITE see subdivision under Chalkal Range

## ILI DEPRESSION—PHOSPHORITES

Hydrogeological conditions and evaluation of water inflows in the Dzhanlyas phosphorite deposit. M. T. Dzhamagulov. *Izv. AN Kazakh SSR Ser. geol.* 22 no 2 36-44 Mr-Apr '65

## ILI DEPRESSION—WATER, UNDERGROUND

Hydrogeological conditions and evaluation of water inflows in the Dzhanlyas phosphorite deposit. M. T. Dzhamagulov. *Izv. AN Kazakh SSR Ser. geol.* 22 no 2 36-44 Mr-Apr '65

## IL'ICHEVSK (UKRAINE)—HARBOR

Zolotarev, V. I., and B. A. Rimachevskii. [Il'ichevsk sea port] Il'ichevskii morskoi port. Moskva, Transporth, 1964. 54 p.

## IL'INSKI, OLEG KONSTANTINOVICH, 1914-1965

Oleg Konstantinovich Il'inski, 1914-1965; an obituary. Meteor. i gidrol. no 8-56 Je '65

## ILIUM—TUBERCULOSIS

Two cases of amputatio interilio-abdominalis. N. A. Grigor'ian, T. U. Ailimov. *Khirurgiya* 41 no. 3 138-139 Apr '65

## ILLUSTRATED BOOKS

Publication of illustrated works. A. I. Khil'mankov. *Poligrafia* no. 3 18-19 Mr '65

ILMENITE see subdivision under Azov Sea region; Taymyr Peninsula

## IMIDAZOLE

Synthesis of substituted 2-arylaminoimidazoles. S. I. Burmistrov, I. V. Sukhoruchkin. *Zhur. org. khim.* 1 no 1 185-189 Ja '65

## IMIDAZOLEDICARBOXAMIDE—THERAPEUTIC USE

Functional and morphological changes in the hypothalamus-hypophysis system under the effect of the neurotropic drug ethylmorphine. V. E. Ryzhenkov, S. A. Tsoi. *Biol. eksp. biol. i med.* 50 no 4 64-66 Apr '65

Use of ethylmorphine in the treatment of respiratory disorders in early postoperative period. M. M. Byk. *Vest. khir.* 84 no 2 86-88 F '65

## IMIDAZOLEETHANOL—THERAPEUTIC USE

Effectiveness of metronidazole (flagyl) treatment of urogenital trichomoniasis. J. Teras and others. *Akush. i gin.* 40 no. 5 96-98 S-O '64

Treatment of urogenital trichomoniasis with flagyl. M. Petru, A. Syrovatka, M. Vojtechovska. *Akush. i gin.* 40 no. 5 93-95 S-O '64

## IMINES

New stable iminoxyl biradicals. E. G. Rozantsev and others. *Izv. AN SSSR Ser. khim.* no. 3 572-573 '65

## IMMUNITY

Characteristics of immunity in guinea pigs irradiated following vaccination with sorbed tetanus antitoxin. A. V. Il'utovich, B. N. Raikis, I. I. Labetskii. *Zhur. mikrobiol., epid. i immun.* 41 no 11 93-103 N '64

Characteristics of the immunity created by the cooperation of *Babesia* bovis and macro-organism. M. I. Dyl'ko. *Vest. AN BSSR Ser. biol. nav.* no. 1 106-109 '65

Correlation between the characteristics of the clinical picture and the immunobiological indices of the reactivity of the organism in the catatonic form of schizophrenia. G. M. Kurapova. *Vop. klin. i patol. i lech. shiz.* no. 1 81-84 '64

Effect of electrical stimulation of the anterior portion of the hypothalamus on the reconstruction of the immunogenic reactivity of the organism. A. A. Abinder. *Zhur. mikrobiol., epid. i immun.* 41 no. 10 47-50 '64

Effect of vitamin B<sub>12</sub> deficiency in food on the susceptibility of *Shigella* to plague infection. G. G. Korobkov, I. F. Terechenko. *Vop. pit.* 23 no 5 67-70 S-O '64

Experimental study of humoral immunity in nephritis infected by tick-borne encephalitis virus. M. S. Vorob'eva. *Vop. virus* 10 no. 1 36-41 Ja-F '65

General immunological reactivity in swine as related to their productivity. E. N. Naurzhaev, V. A. Lili, R. A. Es'kov. *Vest. sel'khoz. nauk [Kazakh.]* 8 no. 4 64-67 Apr '65

Immunization in the armed forces and its significance for the prevention and elimination of infectious diseases. I. I. Rogovin. *Voen.-med. zhur.* no. 10, 11-17 '64

Immunological activity of lymphoid organs in adrenal and subcutaneous immunization against typhoid fever. N. I. Aleksandrov and others. *Zhur. mikrobiol., epid. i immun.* 41 no 11 128-133 N '64

Immunological reactivity in monkeys following acute radiation sickness. I. K. Dzhalilov, S. M. Tefel'man. *Biol. eksp. biol. i med.* 50 no 1 73-77 Apr '65

Reactivity in infectious pathology and epidemiology. S. V. Gushits. *Trudy TGU* 80 21-40 '64

Reproduction of viruses in the culture of the activated tissue of immune animals. V. A. Sergeev and others. *Vop. vet. virus.* 1 80-87 '64

Results of hyperimmunization of animals with measles virus. I. I. Koleznikova and others. *Vop. virus* 10 no 1 87-90 Ja-F '65

Role of immunity in the control of infectious diseases; review of literature. A. A. Shinkail, P. I. Remezov. *Voen.-med. zhur.* no 7 48-52 '64

Role of the cerebral cortex in the development of post-vaccinal immunity. S. Sh. Sakandov, A. A. Kontanin. *Izv. AN Arm SSR, Biol. nauk* 10 no 1 87-101 Ja '65

Stimulation of the natural resistance of the organism. A. A. Shinkail, P. I. Remezov. *Voen.-med. zhur.* no. 8: 18-23 '64

Study of immunogenesis in vaccination with live attenuated vaccine. Report No. 1. Study of immunogenesis in guinea pigs vaccinated with brucella and anthrax vaccines. E. A. Gubina, M. I. Chetynsheva. *Zhur. mikrobiol., epid. i immun.* 41 no. 10 3-7 '64

## IMMUNOCHEMISTRY

Immunochemical study of purified diphtheria antitoxin. A. Ch. Polikan, N. I. Apamahechenko. *Zhur. mikrobiol., epid. i immun.* 41 no 11 40-43 N '64

Immunochemical study of tetanus culture filtration in the process of detoxication. A. M. Utiyevskiy and others. *Zhur. mikrobiol., epid. i immun.* 42 no. 1 77-10 Apr '65

## IMMUNOLOGICAL RESEARCH

Correlation of the indices of immunological changes in the animal organism under the effect of immunization with staphylococcal and diphtheria antitoxins. Report No. 2. A. V. Litvinova. *Zhur. mikrobiol., epid. i immun.* 41 no 10 77-80 '64

Further study of the hypothalamus area in the regulation of the immunogenesis process. I. M. Khai and others. *Zhur. mikrobiol., epid. i immun.* 41 no 10 7-12 '64

Immunological reactions of isolated cells. Report No. 1. Antibody synthesis by single cells isolated from animals immunized with two antigens. I. A. TS. Shvartsman, M. K. Karpov, A. E. Zuev. *Zhur. mikrobiol., epid. i immun.* 41 no. 10 43-47 '64

Immunological study of isolated cellular structures of *Salmonella typhi*. V. N. Petrosava, E. S. Stanislavskii. *Zhur. mikrobiol., epid. i immun.* 41 no 10 50-56 '64

Serological indices of the immunogenicity of live plague vaccine under experimental conditions. N. N. Rasova, I. G. Gerasimuk, I. S. Tinker. *Zhur. mikrobiol., epid. i immun.* 42 no 4 13-37 Apr '65

Study of pest-allergen produced by the Tarashevich State Control Institute on animals and volunteers. Report No. 2. M. D. Prizadkina, V. M. Gavrilenkova, I. A. Chetynsheva. *Zhur. mikrobiol., epid. i immun.* 42 no 4 27-31 Apr '65

## IMMUNOLOGY

Authors' abstracts. *Zhur. mikrobiol., epid. i immun.* 41 no. 11 138-143 N '64

## IMPACT

Longitudinal impact of a body against a rod allowing for local deformation. S. A. Zegzhda. *Vest. LGU* 60 no. 7, 106-117 '65

## IMPEDANCE (ELECTRICITY)

Faradic impedance of reversible catalytic processes. Part 1. B. I. Khalkin, I. A. M. Zolotovskii, G. A. Todoradze. *Dokl. Akad. Nauk* 1 no. 1 23-30 Ja '65

Impedance of a nickel electrode in an alkaline mol. I. U. K. Delimars'kiy, O. II. Zarubys'kiy. *Dop. AN UkrSSR* no. 4 465-487 '65

INCENTIVES IN AGRICULTURE see subdivision under Ukraine

## INCENTIVES IN INDUSTRY

Business accounting and incentives for using capital assets. R. Olsson. *Vop. ekon.* no. 5 33-38 May '65

Guiding principle of socialist administration. N. Spiridonova. *Nauch. dokl. vyss. shkoly, ekon. nauk* 8 no. 3 25-33 '65

Material incentive for leading distillery workers. N. N. Provorov. *Form. i spl. prom.* 31 no. 4 24-25 '65

Material incentives for increasing the efficiency of production in industry. D. S. Ton, A. P. Manzu. *Izv. AN Mold. SSR* no. 12 28-44 '65

## INDANDIONE

Structure and acidity of 1-cyclopentene-1, 3-diones and 1, 3-indandiones E. I. A. Gien, G. V. Vanag Zhur. org. khim. 1 no. 1:3-7 Ja '65

INDEXES, CARD see Card system in business

## INDIA—CAPITAL

Characteristics of the concentration of production and capital in India A. Medovoi Mir. ekon. i mezhdunar. otn. no. 6:38-49 '65.

## INDIA—COMMUNIST PARTY

Appeal to all democratic forces P. i. zhizn' no. 11:65-67 Je '65

## INDIA—COTTON—VARIETIES

Indian cotton. D. V. Tei-Avanesian Biol. VIR no. 10: 18-24 '62

## INDIA—FIREARMS

Air pirates. I. Andronov. Nov. vrem. 22 no. 22:20-30 My '65.

## INDIA—FOREIGN RELATIONS—RUSSIA

Current events. Nov. vrem. 22 no. 22:8-11 My '65.

## INDIA—INSURANCE, SOCIAL

Social insurance in India. A. Zhdanov Sots. obes. p. 26 no. 4:61-63 Ap '65.

## INDIA—IRON ORES

Sintering of the Indian ore from the Rajgarh deposit F. M. Kazanov, E. F. Vegman, S. K. Gupta Izv. vys. ucheb. zav. chern. mel. 11 no. 5:17-20 '65

## INDIA—JOURNALISTS

Indian journalists visit the offices of "Novoe vremia." Nov. vrem. 23 no. 23:12-13 Je '65

## INDIA—LAND TENURE

Agrarian, K. Z. [The agrarian system of northern India; from the 13th to the middle of the 18th century] Agrarnyi stroi Sovetskoi Indii (XIII - sredina XVII v.), Moskva, Nauka, 1965. 325 p.

## INDIA—NATIONAL PARKS AND RESERVES

Across the reserves of India. D. V. Naumov, A. V. Iablokov Priroda 54 no. 5:95-105 My '65.

## INDIA—POLITICS AND GOVERNMENT

"Jan Sangh" and its social basis. A. Bel'skii. Az. i Afr. sog. 8 no. 5:58-59 My '65.

## INDIA—RELATIONS (GENERAL) WITH RUSSIA

Indian journalists visit the offices of "Novoe vremia." Nov. vrem. 23 no. 23:12-13 Je '65.

## INDIA—RELATIONS (MILITARY) WITH THE UNITED STATES

Servants of the God of War. I. A. Nov. vrem. 23 no. 23: 28 Je '65.

## INDIA—RUSSIAN STUDIES

Studies of the U. S. S. R. in India and its prospects R. Val'dyanath. Ist. SSSR 8 no. 2:170-180 Mr.-Ap '65.

## INDIA—SMUGGLING

Air pirates. I. Andronov. Nov. vrem. 22 no. 22:20-30 My '65.

## INDIA—TRUSTS, INDUSTRIAL

Characteristics of the concentration of production and capital in India. A. Medovoi Mir. ekon. i mezhdunar. otn. no. 6:38-49 '65.

## INDIA—ZOOLOGY

Across the reserves of India. D. V. Naumov, A. V. Iablokov. Priroda 54 no. 5:95-105 My '65.

INDIAN JEWELRY see Jewelry, Indian

## INDICATOR PLANTS

Indicational phytogeographical study of lowland bogs and peaty meadows in the Lithuanian S. S. R. K. Brundaa. Bot. zhur. 50 no. 4:534-537 Ap '65.

Plants as "ore experts." Priroda 54 no. 4:117-118 Ap '65.

## INDICATORS AND TEST PAPERS

Standard sets of indicators. A. Z. Stadkov. Tekst. prom. 25 no. 4:95-98 Ap '65.

## INDIGIRKA DELTA—HYDROGRAPHY

Level regime of the channel of the middle delta of the Indigirka River. I. V. Nalimov. Probl. Arkt. i Antarkt. no. 19:22-31 '65.

## INDIUM—ANALYSIS

Complexometric titration of indium in the presence of 4/2-N-methylmabasinazo-resorcinol as indicator Sh. T. Talipov, Kh. S. Abdullaeva. Uzb. khim. zhur. 8 no. 5:18-22 '64

Trihydroxyfluorones as photometric reagents for indium. V. A. Nazarenko, R. V. Ravitskaya. Ukr. khim. zhur. 30 no. 8:825-829 '64.

## INDIUM ANTIMONIDE CRYSTALS

Recombination radiation in InSb due to the magnetoelectric effect. V. I. Ivanov-Omskii, B. T. Kolomoietz, V. A. Smirnov. Dokl. AN SSSR 161 no. 6:1308-1309 Ap '65.

## INDIUM ANTIMONIDES

Transport phenomena in doped indium antimonide at high pressures. K. M. Domchuk, I. M. T'Sidil'kovskii, K. P. Rodionov. Fiz. tver. tela 7 no. 5:1561-1562 My '65.

## INDIUM ANTIMONIDES—ELECTRIC PROPERTIES

Effects of the escape of hot electrons in n-InSb at low temperatures. I. B. Levinson. Fiz. tver. tela 7 no. 5: 1362-1367 My '65

Quantum oscillation of the thermoelectric coefficient in n-InSb S. S. Shalyt, R. V. Porfirov, M. S. Dresler. Zhur. eksp. i teor. fiz. 48 no. 4:1212-1214 Ap '65.

## INDIUM COMPOUNDS

Citrate complexes of trivalent indium. V. K. Zolotukhin, Z. G. Galante, T. I. Monchak. Ukr. khim. zhur. 31 no. 4:312-317 '65.

## INDIUM ISOTOPES—SPECTRA

Isomeric transitions in  $^{114}\text{In}^*$  and  $^{115}\text{In}^*$ . The  $\beta$ -spectrum of  $^{115}\text{In}$ . D. E. Khuleldze and others. Izv. AN SSSR. Ser. fiz. 28 no. 5:734-738 My '65.

## INDIUM PHOSPHIDE CRYSTALS—THERMAL PROPERTIES

Heat conductivity and thermoelectric coefficient of n-indium phosphide at low temperatures S. A. Aliev, A. I. A. Nashet'skii, S. S. Shalyt. Fiz. tver. tela 7 no. 5:1500-1502 My '65

## INDIUM-SELENIUM-COPPER ALLOYS see Copper-indium-selenium alloys

## INDIUM-TIN ALLOYS—METALLOGRAPHY

X-ray investigation of a liquid indium-tin alloy with an eutectic composition. A. V. Romanova, G. M. Kuchak. Sbor. nauch. trud. Inst. metallofiz. AN URSS no. 19:95-101 '64.

## INDOLE

Indole derivatives. Part 15: Synthesis of  $\alpha$ -methyl and  $\alpha$ - $\beta$ -dimethyl-5-carboxytriptamines. A. G. Terzian, N. V. Aznarlian, G. T. Talevosian. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:88-91 '65.

Phenylindoles and the conjugation of the benzene ring with the indole ring. A. N. Kost, I. P. Sugrobova, A. P. Akubov. Zhur. org. khim. 1 no. 1:124-129 Ja '65

Reduction of the keto group in 3-(carboxyacyl) indoles A. N. Kost, V. N. Erakina, E. V. Vinogradova. Zhur. org. khim. 1 no. 1:120-123 Ja '65

Some features of vinylindole chlorination in halogenation reactions. M. F. Shostakovskii and others. Izv. AN SSSR. Ser. khim. no. 3:529-531 '65.

## INDONESIA—ECONOMIC GEOGRAPHY

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografi. [Indonesia, on a 1:7 000 000 scale. Indoneziia, mashtab 1:7 000 000]. Ivanova, L., and A. Pavlov. [Indonesia] Indoneziia. Moskva, 1958. 20 p.

## INDONESIA—NAMES, GEOGRAPHICAL

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografi. [Indonesia, on a 1:7 000 000 scale. Indoneziia, mashtab 1:7 000 000]. Ivanova, L., and A. Pavlov. [Indonesia] Indoneziia. Moskva, 1958. 20 p.

## INDONESIA—POLITICS AND GOVERNMENT

Anticommunism, a constituent part of the ideology of the Socialist Party of Indonesia. V. I. Ilushenko. Krat. soob. Inst. nar. Az. no. 85:129-147 '64.

The Party of Indonesia (Partindo) in 1951-1956 V. A. T'Syganov. Krat. soob. Inst. nar. Az. no. 85:115-120 '64

## INDUCTION ELECTRIC MOTORS see Electric motors, Induction

## INDUCTION HEATING

Automatic regulator for induction smelting systems using commercial frequencies. D. A. Gligarts, I. A. A. Polshchuk, E. P. Kolganov. Elektrotekhnika 36 no. 5:30-32 My '65.

Electrical parameters of electromagnetic systems during the induction heating of a sphere. A. V. Donskoi, A. A. Fomina. Elektrichestvo no. 4:68-70 Ap '65.

Surface hardening by induction heating in a liquid. I. P. Russinkovskii. Stan. i instr. 36 no. 5:31-32 My '65.

## INDUCTION MOTORS see Electric motors, Induction

## INDUSTRIAL ACCIDENTS

(see also subdivision under Krasnodar)

Combined injury of the chest, retroperitoneal space, pelvis and hip. P. I. Qurov, A. I. Udebaev. Vest. khir. 93 no. 12:104-105 '64

## INDUSTRIAL BUILDINGS—HEATING AND VENTILATION

Operation of intake systems without radiators. P. Matvenko, A. Tkachuk. Prom. stroi i inzh. soor. 6 no. 2: 55-56 Mr.-Ap '64

INDUSTRIAL CAPACITY see subdivision under Siberia

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DESIGN see Design, Industrial

INDUSTRIAL DIAMONDS see Diamonds, Industrial

INDUSTRIAL DISCIPLINE see Labor discipline

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

## INDUSTRIAL ENGINEERING

Methods of stimulating the improvement of production indices in capitalist enterprises. M. Moshens'ii. Sots. trud. 10 no. 2:111-123 '65

Moscow. Akademiia obshchestvennykh nauk. [Problems of increasing the efficiency of public labor in the U. S. S. R.] Problemy povysheniia effektivnosti obshchestvennogo truda v SSSR, sbornik statei. Red. kollegiia. A. N. Grzhegorzhievskii i dr. Moskva, Mysl', 1965. 364 p.

## INDUSTRIAL EQUIPMENT—CORROSION

Determining the corrosion of metal and alloys in food media. D. A. Odesskii. Kons. i ov. prom. 20 no. 5: 26-30 My '65

## INDUSTRIAL EQUIPMENT—DESIGN AND CONSTRUCTION

Accounting for production areas ready for the assembly of equipment P. Zeltser. Vest. stat. no. 5:54-59 '65.

## INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Bases for the design of the structure of a repair cycle. R. I. Orlov. Mashinostroitel' no. 5:8-10 My '65.

Norms for the compulsory planned repair system require economic verification. R. N. Kolegaev, V. P. Babich. Mashinostroitel' no. 4:5-7 Ap '65

Observations concerning the wage system for maintenance and repair workers. I. A. Kachelina. Maslozhir. prom. 31 no. 3:92 Mr '65

Using a portable machine tool for repairing parts of large equipment without dismantling. V. I. Kurchatov and others. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. Inst. nauch. i tekhn. inform. 18 no. 3:42-44 Mr '65

## INDUSTRIAL HYGIENE

Oshpov, I. I. A. [Industrial hygiene and the effect of electromagnetic fields of radio frequencies on workers] Gigiena truda i zhitie na rabotnushchikh elektromagnitnykh pol' radiochastot. [Leningrad] Meditsina, 1965. 210 p.

## INDUSTRIAL HYGIENE—CONGRESSES

Sciences of the U. S. S. R. and the 40th Anniversary of the Institute, on the Results of Scientific Studies in the Field of Industrial Hygiene and Occupational Pathology. Materialy, sbornik dokladov, Pod red. K. P. Molokanova i dr. Moskva, In-t gigieny truda i professional'nykh zabolevani, 1964. 161 p.

[ONLM MICROFILM]

## INDUSTRIAL HYGIENE—LAWS AND REGULATIONS

[Safety engineering and industrial sanitation; a collection of regulations] Tekhnika bezopasnosti i proizvodstvennaya sanitariia; sbornik pravil. [Moskva] Profizdat, 1965. 302 p.

## INDUSTRIAL LAWS AND LEGISLATION

Legal acts of the economic councils of the economic regions of the R. S. F. S. R. G. E. Petukhov. Uch. zap. VNIISZ no. 2:77-100 '64.

## INDUSTRIAL MANAGEMENT

(see also subdivision under Armenia, Central Chernomozem Economic region; Europe, Eastern; Lvov Province; Moscow; Tashkent; Ukraine; Volgograd)

Akademiia nauk URSS, Kiev. Instytut ekonomiky. [Problems of economics and statistics] Pytannia ekonomiky i statistiky. Kyiv, Naukova dumka, 1965. 231 p.

Analysis of the fulfilling of the plan for volume of production. M. Sherikh. Fin. SSSR 39 no. 5:74-78 My '65

Books on scientific work organization are needed. I. T'Saregorodtsev. Part. zhizn' no. 10:77 My '65.

Business accounting and incentives for using capital assets. R. Otasov. Vop. ekon. no. 5:33-45 My '65.

Collective supervision of the technological policy of an enterprise. V. Mironov. NTO 7 no. 4:52-54 Ap '65.

Economics laboratories share their practice. Sots. trud. 10 no. 2:143-145 '65.



## INFLUENZA VIRUSES—CULTURES AND CULTURE MEDIA

- Change in the size of cell nuclei in the kidney tissue culture of a swine embryo infected with the influenza viruses and the Japanese hemagglutinating virus. F. V. Sushkov, D. F. Osidze, H. V. Pantelov. Vop. vet. virus. 1:468-476 '64.
- Labeling influenza viruses with radioisotopes. V. M. Stukhanova, E. M. Zhanlieva. Trudy TSU 68:119-121 '64.
- Susceptibility of some tissues cultivated in vitro to swine influenza viruses. D. F. Osidze. Vop. vet. virus. 1:459-467 '64.
- Susceptibility of the kidney tissue culture of a swine embryo to influenza viruses. V. N. Slurin and others. Vop. vet. virus. 1:477-488 '64.

## INFORMATION STORAGE AND RETRIEVAL SYSTEMS

- Sorting of information by means of magnetic tapes. S. B. Pogrebinski, L. S. Lozinski. Kibernetika no. 2:73-79. Mr-Apr '65.

## INFORMATION THEORY

- Coding of signals with multiple phase keying. I. U. B. Okunev. Elektrosvyaz' 19 no. 3:78-80 Mr '65.
- Energy spectrum of a sum of lagging stochastic signals. V. I. Charkovskii. Izv. vys. ucheb. zav. radiofiz. 8 no. 1:87-93 Ja-F '65.
- Group protection of information models. V. A. Mikheev, V. G. Peshchev. Vest. TSNU MPS 24 no. 2:63-64 '65.
- Knapik, V. F. [Wald's distribution tables]. Tablitsy raspredeleniya Val'da. Moskva, Nauka, 1965. 183 p.
- Optimum detection of a diffusion process in white noise. I. U. G. Goulin, R. L. Stratonovich. Radiotekh. i elektron. 10 no. 5:827-838 My '65.
- Parallel decoding for a discrete channel with noise. B. S. Fleishman. Radiotekh. i elektron. 10 no. 5:817-826 My '65.
- Some statistical characteristics of the second derivative of the envelope of a normal random process. B. N. Zvinglitshev. Radiotekh. i elektron. 10 no. 4:749-754 Ap '65.
- Treatment of signals using a sequential approximation technique. B. A. Dubinskii. Radiotekh. i elektron. 10 no. 3:936-938 My '65.
- Use of a digital computer in solving a problem on the cognition of a logical image described by discrete information. A. I. Kravchenko, M. I. Kravchenko. Izv. vys. ucheb. zav. elektromekh. 8 no. 4:472-473 Ma '65.
- Zhukov, N. I. [Information in the light of the Marxist-Leninist theory of reflection; author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences]. Informatsiya v svete marksistsko-leninskoi teorii otzheneniya, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filosofskikh nauk. Nauchn. rukovoditel' G. A. Levin. Minsk, Belorusskii gos. univ., 1964. 18 p.

### [MICROFILM]

## INFORMATION THEORY IN MARINE ENGINEERING

- Nikolaev, V. I. [Control of marine power plant installations]. Kontrol' raboty sudovykh energeticheskikh ustanovok. Leningrad, Sudostroenie.
- Pl. I. [Elements of the theory]. Elementy teorii. 1965. 239 p.

## INFRARED HEATING

- Operation of gas infrared radiators. K. N. Pravoverov, M. A. Maevskii, Zh. V. Mirzoin. Gaz. prom. 10 no. 3:7-12 '65.

## INFRARED RAYS—INDUSTRIAL APPLICATIONS

- Gas burner as a source of infrared rays. I. U. Kazarian. Prom. Arm. 8 no. 3:50-52 Mr '65.

## INFRARED RAYS—THERAPEUTIC USE

- Infrared ophthalmologic device. I. A. M. Varanovskii, V. G. Shibaev. Voen.-med. zhur. no. 6:75 '64.

## INFRARED SPECTRUM see Spectrum, Infrared

## INFUSORIA

- Mic. ofluorometric study of radiation injuries of the macronucleus in the infusorium Tetrahymena pyriformis. A. A. Zotikov. Dokl. AN SSSR 162 no. 4:944-946 Je '65.

## INGOT MOLDS

- Investigating the character of ingot mold wall deformations with the use of a plexiglas model. A. V. Kuksa. Izv. vys. ucheb. zav. Chern. met. 8 no. 5:45-50 '65.

## INGULETS REGION (DNEPROPETROVSK PROVINCE)—ALGAE, FOSSIL

- Ingulets deposit of Rodophyceae. I. S. Bilokryz. Dop. AN URSSR no. 5:646-649 '65.

## INHERITANCE AND SUCCESSION

- Notarial practice. Sov. iust. 28 no. 12:92 Je '64.

## INHIBITION

- Materials of further study of the dynamic localization of conditioned inhibition induced by suggestion in hypnosis. I. I. Korotkin, M. M. Suslova. Zhur. vys. nerv. deiat. 15 no. 1:53-60 Ja-F '65.

## INHIBITION (CHEMISTRY)

- Controlled synthesis of inhibitors of enzymatic glutamic acid transformations. R. M. Khomutov, E. S. Severin, G. K. Kovaleva. Dokl. AN SSSR 161 no. 5:1237-1239 Ap '65.
- Dependence of the inhibition effect of the electrode process on the surface concentration of the inhibitor on the electrode. I. P. Mordovchenko, M. A. Loghikarev. Elektrokhimia 1 no. 1:94-100 Ja '65.
- Inhibiting effect of resin products in the liquid-phase oxidation of n-butane. G. E. Zaikov, E. A. Blumberg, N. M. Emanuel. Neftekhimika 5 no. 1:53-57 Ja-F '65.
- Inhibitors of carbon steel corrosion in diluted sulfuric acid. I. U. P. Aronson, S. M. Bolen'kii. Zashch. met. 1 no. 1:125-130 Ja-F '65.
- Investigating the inhibiting effect of NO<sub>3</sub> ions on the corrosion of stainless steel in 50-60% perchloric acid. P. F. Drozhzhin, L. I. Osipova. Zashch. met. 1 no. 1:123-125 Ja-F '65.

- Mechanism of the inhibition effect of phosphoric esters. M. S. Khloplankina and others. Neftekhimika 5 no. 1:49-52 Ja-F '65.

- Precision method for evaluating the efficiency of polymerization inhibitors. I. U. V. Ovchinnikov. Vysokom. soed. 7 no. 1:63-64 Ja '65.

- Quantitative determination of trypsin inhibitors. A. A. Antonian, I. L. Khodorova. Ubi. biokhim. zhur. 37 no. 1:3-7 '65.

## INJECTIONS, HYPODERMIC

- Treatment of chiller alive endarteritis and atherosclerosis of the vessels of the lower extremities by subcutaneous injection of oxygen. A. A. Epova. Voen.-med. zhur. no. 8:70-71 '64.

## INJECTIONS, INTRA-ARTERIAL

- Introduction of substances into cerebral arteries of dogs in a chronic experiment. V. E. Ryzhenkov. Fiziol. zhur. 51 no. 400-402 Mr '65.

## INJECTIONS, INTRAPERITONEAL

- Development of experimental arteritis in animals following introduction of group A streptococcus culture mixed with the homogenate of homologous connective tissue. L. V. Beletskaya. Arkh. pat. 27 no. 5:24-29 '65.

## INJECTIONS, INTRAVENOUS

- Some indices in favor of intravenous infusion of aminazine in schizophrenia patients. A. S. Lopatin. Vop. klin. i patog. i lech. shiz. no. 1:88-90 '64.

## INJUNCTIONS

- The court has issued a specific finding. V. Baskov. Sov. iust. 29 no. 7:8-10 Ap '65.
- For the effectiveness of the specific court findings in criminal cases. Sov. iust. 28 no. 12:1-3 Je '64.

## INJURIES FROM ELECTRICITY see Electricity, Injuries from

## INJURIOUS AND BENEFICIAL INSECTS see Insects, Injurious and beneficial

## INLAND NAVIGATION

- Accidentless performance of the fleet. N. Sorokin, S. Titnev. Rech. transp. 24 no. 4:49-50 '65.
- Optimum conditions for the movement of boats in shallow waters. I. U. Petrov. Rech. transp. 24 no. 3:52-53 '65.
- Sound signaling in the river fleet. G. Filippov. Rech. transp. 24 no. 3:58 '65.
- Use of radar leading lines in river navigation. A. Golubev. Rech. transp. 24 no. 3:54-55 '65.

## INLAND WATER TRANSPORTATION

- (see also subdivision under Ob' Valley; Ukraine; United States)
- Considering hydrological factors in the technical and economic substantiation of channel depth. N. Domanovskii. Rech. transp. 24 no. 3:40-43 '65.
- For further qualitative improvement of transportation. G. Materskii. Rech. transp. 24 no. 3:9-10 '65.
- Improving the system of operative indices of the work of the fleet. V. Mironov, A. Irkin. Rech. transp. 24 no. 4:8-9 '65.
- In the Board of the Ministry of the River Fleet. Rech. transp. 24 no. 4:56 '65.
- Make maximum use of the possibilities of river transportation. S. Kuchkin. Rech. transp. 24 no. 4:1-3 '65.
- Raise the level of operational work in river transportation. M. Nazarov. Rech. transp. 24 no. 3:1-5 '65.
- Workers of the river fleet during the years of harsh trials. V. Neigol'dberg. Rech. transp. 24 no. 4:51-53 '65.

## INLAND WATER TRANSPORTATION—ACCOUNTING

- (see also subdivision under Russia, Northwestern)
- Barakin, A. P. [Business accounting on river-going merchant ships]. Khoz. i ust. raschet rechinnykh transportnykh sudov. Moskva, Transport, 1965. 107 p.

- Business accounting within individual sections of the Southern Port of Moscow. A. Glebov. Rech. transp. 24 no. 3:58-59 '65.

- Improve the accounting and control. S. Makhikh. Rech. transp. 24 no. 3:22-23 '65.

- Machine accounting in river transportation. S. Makhikh. Buhg. uch. 21 no. 10:37-39 O '61.

- Some problems of business accounting and planning in the fleet of passenger ships. S. Poliak, V. Shubin. Rech. transp. 24 no. 3:18-19 '65.

## INLAND WATER TRANSPORTATION—CONGRESSES

- At the conference of the administrative officials. Rech. transp. 24 no. 4:12-15 '65.

- Carry out the decisions of the conference of the administrative officials. Rech. transp. 24 no. 4:3-4 '65.

- Conference of the administrative officials. Rech. transp. 24 no. 3:6-8 '65.

## INLAND WATER TRANSPORTATION—EMPLOYEES

- Increase the role and responsibility of every worker in the system. Rech. transp. 24 no. 3:12 '65.

## INLAND WATER TRANSPORTATION—MANAGEMENT

- Sidorov, P. P., and A. I. Kovalev. [Economics of river transportation; production economics, organization, and planning]. Ekonomika rechnogo transporta, ekonomika, organizatsiya i planirovaniye proizvodstva. Moskva, Transport, 1965. 293 p.

## INLAND WATER TRANSPORTATION—PASSENGER TRAFFIC see subdivision under Neman River

## INLAND WATER TRANSPORTATION—RATES

- Tariffs for suburban and intracity transportation. V. Zotova. Rech. transp. 24 no. 3:20-22 '65.

## INLAND WATER TRANSPORTATION—TIMETABLES

- New trends in the "Regulations on the traffic schedule of the fleet." L. Bogov, K. Liakhov, M. Khelifets. Rech. transp. 24 no. 4:5-7 '65.

## INORGANIC CHEMISTRY see Chemistry, Inorganic

## INOSINE

- Separation on ionites and purification of adenosine and inosine 5'-phosphate esters. V. Z. Gorvin. Sov. metod. v. biokhim. 1:250-259 '64.

## INPUT-OUTPUT ANALYSIS see Linear programming

## INSCRIPTIONS, GREEK

- Three unpublished Cyprian inscriptions from the Hermitage collection. L. G. Kastanalan. Krat. soob. Inst. arkheol. no. 103:38-40 '65.

## INSECT TRAPS

- Use of earth traps for studying the distribution and interaction of entomofauna components on the surface of the soil. A. I. Kudrin. Trudy Vses. ent. ob.-va. 56:272-280 '65.

## INSECTICIDES

- Effect of antibiotics on the mobilization of nutrients and increase of the yield of cotton in Siberian soils. I. I. Piotopova. Sborn. nauch. rab. asp. Soluz. NIKHI no. 5:187-201 '64.
- Effect of fertilizers and insecticide mixtures on the carbohydrate and protein metabolism and the development of cotton seedlings in hydromorphic soils. N. I. Kir. Sborn. nauch. rab. asp. Soluz. NIKHI no. 5:202-213 '64.
- Effect of insecticides on farm crops. Zh. L. Lukhanov. Vest. sel'khoz. nauki (Kazakh.) 8 no. 4:24-27 Ap '65.
- The spruce bark beetle Dendroctonus micans in Georgia and its control. Sh. M. Supataashvili, A. L. Mukhasavaria, B. V. Murusidze. Biul. Glav. bot. sada no. 56:68-72 '64.
- Toxicity of some insecticides to the shield bug Eurygaster integriceps. N. M. Gamper and others. Khim. v. sel'khoz. 3 no. 2:33-34 Mr '65.
- Use of systemic insecticides against warble flies of cattle. G. I. Ivanovich. Khim. v. sel'khoz. 3 no. 3:68-70 Mr '65.

## INSECTIVORA, FOSSIL see subdivision under Nogaysk region (Ukraine)

## INSECTS—BEHAVIOR

- Proof of the capacity of insects to discriminate a circle, triangle and other simple figures. G. A. Mazokhin-Porshnikov, T. M. Vishnevskaya. Zool. zhur. 44 no. 2:192-197 '65.

## INSECTS—COLLECTION AND PRESERVATION

- New fixator for caterpillars. O. I. Mersheevskaya. Zool. zhur. 44 no. 2:289-300 '65.

## INSECTS, INJURIOUS AND BENEFICIAL

- Prevention of the damage of herbaria by insects. K. P. Popov. Bot. zhur. 50 no. 3:368-370 Mr '65.



## INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

- Chemical control of the cutworm *Hadena sordida* Bkh as one of the measures in general control system K V. Nozhikov. Trudy Vses ent ob-va 50 218-227 '65
- Effect of chemical treatment on the biocenoses of a wheat field I P Zueva. Trudy Vses ent ob-va 50 223-239 '65
- Results of the control of blood-sucking insects by means of early spring treatment of reservoirs M A. Fomintsev, I S Il'in, Z I Rubina. Voen.-med zhur no 7 55-59 '64

## INSTALLMENT PLAN see subdivision under Pollava

## INSTRUMENT FLYING

- Instrument flight and its regularities. M. Dvornikov. Av. kosm. 47 no 6 48-53 Je '65.

## INSTRUMENT INDUSTRY—ACCOUNTING see subdivision under Moscow

## INSTRUMENT INDUSTRY—MANAGEMENT

- Working out a plan for each instrument manufacturing branch specialization in a large economic region, based on the example of instrument manufacturing F M. Kulik, A P. Grigor'ev. Trudy IPI no 2 24-33 '65

## INSTRUMENT INDUSTRY—QUALITY CONTROL

- Vorontsov, L. N. [Photoelectric systems of control of linear magnitudes] Fotoelektricheskie sistemy kontrolya lineynykh velichin. Moskva, Mashinostroyeniye 1965 235 p.

## INSTRUMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow

## INSTRUMENT MANUFACTURE

- Organization of the working area and the mechanization of fitting and assembling operations in the manufacture of electric and radio instruments. V. M. Karanov, G. I. Kononenko, B. V. Levin. Priborostroyeniye no 4-27-28 Ap '65.

## INSTRUMENTS—PARTS

- Investigating a method for friction compensation in shaft supports of instruments B A. Komashinskiy. Izv. vuzov. Ucheb. zap. prib. 8 no 2 107-112 '65

## INSTRUMENTS, ELECTRONIC see Electronic instruments

## INSULATING MATERIALS

- Koshkin, V. G., and others. [Polyvinyl chloride linoleum on a felt base used for heat and sound insulation, practices of the Mytishchi Combine for Synthetic Building Materials and Products] Polivinilkhloridnyy linoleum na teploto- i zvukozhizniznaniye volnochnoy osnove, opyt Mytishchinskogo kombinata sinteticheskikh stroitel'nykh materialov i izdeli. Moskva, Stroizdat, 1964. 16 p. [MICROFILM]

## INSULATING OILS

- (see also subdivision under Azerbaijan)

- Synthesis of naphthenic acids by direct oxidation of naphthenic hydrocarbons. B. K. Zeinalov, A. A. Akhundov. Azerb. khim. zhur. no. 3:17-20 '64

## INSULATING OILS—CLEANING

- Continuous regeneration of transformer oil. A. I. Karpenko. Elek. i tepl. tiaga 6 no 3:11-12 Mr '62.

## INSULATION (HEAT)

- New material for covering farm buildings. V. Goryskiy and others. Sel. stroit. 19 no. 1:19-21 Ja '65
- Thermal insulation of graphitizing furnaces. M. N. Dorzhiev, B. M. Kuzin, E. A. Shurav. Tsvet. met. 38 no. 4:57-58 Ap '65.
- Thermoxolozol is an inexpensive heat insulating material. B. Gol'dstein. Stroit. i arkh. Sred. Az. 1 no. 9:18 S '64.
- Voronkov, S. T., D. Z. Isarov, and S. P. Kamenetskii. [Heat insulation in electric power plants] Teplovaia izolatsiya na elektricheskikh stantsiyakh. Izd. 2, perer. i dop. Pod red. S. P. Kamenetskogo. Moskva, Energiya, 1965. 471 p.

## INSULIN

- Comparative effectiveness of aminazine and insulin treatment based on data of a late catamnesis. E. F. Kazanets. Vop. klin., patog. i lech. shiz. no. 1:53-55 '64.
- Comparative study of the effectiveness of aminazine and insulin treatment of the paranoid form of schizophrenia. D. G. Enikeev. Vop. klin., patog. i lech. shiz. no. 1:48-49 '64.
- Comparative study of the formation of remissions in the paranoid form of schizophrenia in the process of treatment with aminazine and insulin. A. N. Frishberg. Vop. klin., patog. i lech. shiz. no. 1:145-148 '64.
- Effect of pyridoxine, insulin and glucose on the transmission activity of the erythrocytes of various animals in vitro I. A. L. Bermanuk, O. I. Leichenko, M. M. Martynuk. Ukr. biokhim. zhur. 34 no 3:417-423 '62

- Formation of insulin and problems of the pathogenesis of diabetes mellitus, survey of the literature. L. L. Liberman. Probl. endok. i gorm. 11 no. 1:119-127 Ja-F '65.
- Interrelationship between insulin and atrophanthin in the process of glucose transport. A. S. Oganessian, A. A. Demirehian, E. K. Kazarova. Izv. AN Arm. SSR. Biol. nauki 18 no 4 3-8 Ap '65.

## INSULIN—PHYSIOLOGICAL EFFECT

- Changes in the galvanic skin response under the effect of insulin G. I. U. Volynkina, Sh. M. Zamakhov. Biol. eksp. biol. i med. 59 no 4:14-16 Ap '65
- Some characteristics of the effect of adrenaline and insulin on the sugar level in the blood in animals of various ages. V. G. Shevchuk. Vop. geront. i geriat. 4:247-249 '65

## INSURANCE, SOCIAL

- (see also subdivision under Czechoslovakia, India, Vladimir)

- Let's live and work in Lenin's way Sots. obesp. 26 no 4 3-5 Ap '65
- Pension security under social insurance and the civil law compensation for damages due to disability sustained at work, comparative criteria F. I. Antukhan. Uch. zap. VNIISZ no. 2 101-153 '64

## INSURANCE, SOCIAL—EMPLOYEES see subdivision under Chuvasia, Novgorod

## INSURANCE, SOCIAL—FINANCE

- With the social insurance funds. P. Danilov. Sov. profsoyuzy 21 no. 10:29-31 My '65

## INTAKES (HYDRAULIC ENGINEERING)

- Constructing a radial water intake. M. Kh. Khushmudinov. Stroit. truboprov. 10 no 2 20-22 F '65
- Hydrogeological analysis of the water intakes of underground waters under the conditions of a two-layered medium N. Rafail. Vest. Mosk. un. Ser. 1: Geol. 20 no 2:75-86 Mr-Ap '65

## INTEGRAL CALCULUS see Calculus, Integral

## INTEGRAL EQUATIONS

- Analogue of the Runge-Kutta method of solving nonlinear integral equations of the Volterra type. B. A. Bel'tukov. Dif. urav. 1 no. 4:545-550 Ap '65.
- Exceptional case of convolution type integral equations in a class of generalized functions. V. B. Dybin. Dokl. AN SSSR 161 no. 4:753-756 Ap '65.
- Integral inequalities for multidimensional Volterra-type integral equations N. V. Kasatkina. Izv. vuzov. Ucheb. zap. mat. no 2:77-85 '65
- Noether's theorems for a class of singular integral equations with displacement and conjugation. G. S. Litvinchuk. Dokl. AN SSSR 162 no. 1:28-29 My '65
- Order of the exponential growth of the solution to a system of linear Volterra type integral equations. V. R. Vinokurov. Izv. vuzov. Ucheb. zap. mat. no 2:21-29 '65.
- Solution of integral equations of open resonators. S. I. Anisimov. Opt. i spekt. 18 no 3:522-523 Mr '65.
- Solution of the Dirichlet problem for multiply connected regions. A. M. Kazban. Trudy KAI no. 71:56-72 '62
- Study of one nonlinear singular equation with a Hilbert kernel Kh. Sh. Mukhtarov. Izv. vuzov. Ucheb. zap. mat. no 2:118-125 '65.

## INTEGRAL EQUATIONS—BOUNDARY VALUE PROBLEMS

- On an integrable case of Riemann's boundary value problem for several functions. G. F. Cherepanov. Dokl. AN SSSR 161 no. 6:1285-1288 Ap '65.
- Use of I. U. Sokolov's method in solving Neumann's external problem for the Poisson equation A. I. Luchka. Dop. AN URSSR no 5:547-550 '65.
- Use of I. U. Sokolov's method in solving the Dirichlet problem for Poisson's equation. A. I. Luchka. Dop. AN URSSR no. 4:428-429 '65

## INTEGRAL EQUATIONS—NUMERICAL SOLUTIONS

- Use of the parametric variation method in deriving iteration formulas of high accuracy for determining the numerical solutions to nonlinear integral equations. D. F. Davidenko. Dokl. AN SSSR 162 no. 3:499-502 My '65.

## INTEGRALS

- Best quadrature formulas for certain classes of functions. I. I. Ibragimov, R. M. Aliev. Dokl. AN SSSR 162 no. 1:23-25 My '65.
- Singular integrals with Cauchy kernels. E. G. Gordinadze. Soob. AN Gruz. SSR 37 no. 3 521-526 Mr '65

## INTEGRALS—TABLES, ETC.

- Krugliak, I. A., and D. R. Whilman. [Tables of quantum chemistry integrals] Tablitsy integralov kvantovoi khimii. Moskva, Vychislitel'nyi tsentr. Vol. 1. [Tables of the integrals

$$A_n(1, \alpha) = \int_0^1 x^n e^{-\alpha x} dx \text{ and } B_n(\alpha) = \int_{-1}^1 x^n e^{-\alpha x} dx]$$

Tablitsy integralov

$$A_n(1, \alpha) = \int_0^1 x^n e^{-\alpha x} dx \text{ i } B_n(\alpha) = \int_{-1}^1 x^n e^{-\alpha x} dx \text{ 1963, 439 p.}$$

## INTEGRALS, MULTIPLE

- Extension of P. I. Romanovskii's theorem to a class of double singular integrals. M. A. Dukhovnyi. Ukr. mat. zhur. 17 no 2 110-111 '65.
- Singular double integrals extended over an infinite two-dimensional region. S. B. Topolnia. Soob. AN Gruz. SSR 37 no 3 513-520 Mr '65

## INTEGRATORS

- Using the method of electrodynamic analogies in the theory of unstationary by pressure. P. I. Polukhin and others. Izv. vuzov. Ucheb. zap. fiz. i mat. no. 5:57-64 '65

## INTEGRODIFFERENTIAL EQUATIONS

- Periodic solutions to integrodifferential difference equations. V. P. Minnik. Izv. vuzov. Ucheb. zap. mat. no. 1:110-117 '65
- Study of the solutions to a class of integrodifferential equations. E. I. Grudo. Dif. urav. 1 no. 4:545-548 Ap '65.
- The Wiener-Hopf integrodifferential equation and its applications. I. I. Chetukhi. Izv. vuzov. Ucheb. zap. mat. no 2 186-200 '65

## INTEGRODIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

- Asymptotic representation of the Cauchy problem for an integrodifferential equation containing a small parameter at the higher derivatives in the case of an irregular kernel. S. I. Borisova. Ukr. mat. zhur. 17 no. 2:2-28 '65

## INTELLECTUAL COOPERATION

- International duty of the Soviet institutions of higher learning. Vest. vuzov. shkoly 23 no. 4:5-8 Ap '65.

## INTELLIGENCE SERVICE see subdivision under United States

## INTERCONNECTED ELECTRIC UTILITY SYSTEMS—ACCOUNTING

- Centralization of planning and accounting in electric power systems. S. Libinzon. Rukhg. uch. 22 no 3: 11-13 Mr '65.

## INTERFEROMETER

- Radio-optical multibeam interferometer with diffraction mirrors on thin dielectric films. F. A. Kozlov, V. I. Gridnev. Radiotekh. i elektron. 10 no. 4:767-769 Ap '65.
- Thin-film electronic interferometers. I. V. Iyngansen. Usp. fiz. nauk 86 no 1:175-179 My '60

## INTERFEROMETRY

- Interferometric method for determining odorous substances content of perfume liquids. N. G. Bogdanovskaya, A. A. Smirnova, Maslozhir. prom. 31 no. 3:47 Mr '65
- Interpreting interferograms in studying concentration fields of gas admixtures. V. P. Rozhnov. Inzh.-fiz. zhur. 8 no. 2:186-189 F '65.
- Possibility of an interferometric determination of alcohol in water-alcohol solutions. A. F. Fedorov, E. F. Kozlyeva, V. T. Milnikov. Fiz. i spl. prom. 31 no. 3:10-11 '65.
- Using an interferometer in determining temperature fields. V. V. Malozemov, I. A. Turchin. Inzh.-fiz. zhur. 8 no. 2:182-185 F '65

## INTERFERON

- Acetoxane and interferon in virus infections. Z. V. Ermolova and others. Trudy TSU 88:145-149 '64.
- Biologically active substances of natural origin: antibiotics, bacterial polysaccharides, interferon. Z. V. Ermolova, Voen.-med. zhur. no. 7:23-27 '64.

## INTERIOR DECORATION

- Decorating shopwindows and interiors with greenery. N. Kharchenko. Sov. tovg. 38 no. 4:58-61 Ap '65.

## INTERIOR ELECTRIC WIRING see Electric wiring, Interior

## INTERMETALLIC COMPOUNDS

- Compounds with the  $AlB_2$ -type structures in the system Ce-Ni-Si and related systems. I. I. Gladysheva'kyl, O. I. Bodak. Dop. AN URSSR no 5:601-604 '65.
- Crystal structure of ternary  $SnCoAl$  and  $SnAl$  compounds. M. I. Tezlik, V. S. Protasov. Dop. AN URSSR no 5:599-601 '65.
- The  $EuAl_4$  compound and its crystal structure. I. I. Zalts'kyl, P. I. Krup'nyakovich. Dop. AN URSSR no. 5: 597-599 '65.
- Phase diagram of  $TiCr_2$ - $ZrCr_2$ . I. I. Kornilov and others. Dokl. AN SSSR 161 no. 6:1378-1381 Ap '65.
- Polarography of sodium bismuthide with alkali metal as the support. I. U. K. Delimars'kyl, O. H. Zarubys'kyl. Dop. AN URSSR no. 5:610-621 '65.

## INTERNAL COMBUSTION ENGINES

- Calculating the calorific intensity of internal combustion engines. M. A. Khalilov. Vest. mashinost. 45 no. 4: 8-13 Ap '65.

- INTERNAL COMBUSTION ENGINES (Continued)**  
Comments on Professor A. A. Chirvov's article "New methods for calculating the calorific intensity of internal combustion engines." Vest. mashinost. 15 no. 18 Apr '65.
- Effect of intermittent control on the stability of operating conditions of a piston engine. A. N. Mikhaldre. Soob. AN Gruz. SSR 20 no. 5:561-566 My '62.
- Outlook for the development of piston and combined internal combustion engines. A. S. Orlov, D. N. Vyukhov. Vest. mashinost. 45 no. 1:1-8 Apr '65.
- Volnov, A. M. [Combustion processes in high-speed piston engines; fundamentals of the theory of combustion] Professy agoraniya v bystrykhodnykh poishnevnykh dvigatelakh; osnovy teorii goreniya. Moskva, Mashinostroyeniye, 1965. 211 p.
- INTERNAL COMBUSTION ENGINES—CYLINDERS**  
Use of the method of small holes for determining the wear of parts of internal combustion engines. S. P. Adamenko. Vest. TSNI MP 24 no. 2:32-31 '65.
- INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS**  
Calculating the speed of an air charge in an engine cylinder. D. N. Vyukhov, M. M. Fikob. Izv. vys. ucheb. zav., mashinost. no. 4:113-117 '65.
- INTERNAL COMBUSTION ENGINES—LUBRICATION**  
Single-cylinder carburetor unit for evaluating operating characteristics of motor oils. M. A. Grigor'ev, A. M. Pimenov. Avt. prom. 31 no. 5:10-13 My '65.
- INTERNAL CONVERSION (NUCLEAR PHYSICS)**  
Absolute (reduced) and relative probabilities of EO-conversion. L. A. Borisoglebaki. Izv. AN SSSR. Ser. fiz. 20 no. 5:800-871 My '65.
- INTERNAL FIXATION IN FRACTURES**  
Case of surgical treatment in multiple fractures of the metacarpal bones and finger phalanges. A. A. Kluster. Ortop., travm. i protez. 26 no. 2:65 F '65.
- Homoplasty with embryonal bone tissue. L. R. Klebanovskaya. Ortop., travm. i protez. 26 no. 2:14-10 F '65.
- Methodology for osteosynthesis of small bone fragments. S. A. Liberson. Ortop., travm. i protez. 26 no. 2:54-55 F '65.
- Osteosynthesis in open diaphyseal fracture of the leg. O. N. Markova, O. N. Gudushnuri. Voenn.-med. zhur. no. 8:32-36 '64.
- Osteosynthesis with screws in oblique and spiral fractures of the leg bones. I. L. Krupko, S. I. Kravchenko. Ortop., travm. i protez. 26 no. 2:3-7 F '65.
- Pin for osteosynthesis of ankle fractures. A. K. Karanukhov. Voenn.-med. zhur. no. 6:76 '64.
- Results of using metal bolts for osteosynthesis in the treatment of fractures of the bones. V. V. Vlasov. Ortop., travm. i protez. 26 no. 2:7-10 F '65.
- Technique of intramedullary osteosynthesis. N. D. Bekh. Ortop., travm. i protez. 26 no. 2:64 F '65.
- Technique of the internal fixation of fragments of the humerus in the supracondylar region. V. M. Dem'yanov, D. E. Velichko. Ortop., travm. i protez. 26 no. 2:51-53 F '65.
- Treatment of pseudarthrosis and fractures of the long tubular bones by the compression method. B. Landzhev. Ortop., travm. i protez. 26 no. 2:10-14 F '65.
- INTERNAL FRICTION**  
Changes in the internal friction of aluminum, cadmium, and copper dependent on cyclic deformation. G. A. Gorshkov, V. S. Postnikov. Izv. AN SSSR. Met. no. 1:100-112. Ja-F '65.
- Characteristics of the low-temperature peak of internal friction in steel in the presence of manganese. I. A. Azizov, E. S. Nosyreva, K. V. Popov. Fiz. met. i metalloved. 10 no. 4:629-631 Apr '65.
- Investigating internal friction in nickel at high temperatures. O. A. Belous, A. I. Efimov, N. P. Kushnareva. Sbor. nauch. trud. Inst. metallofiz. AN URSS. no. 20:52-63 '64.
- INTERNAL MEDICINE** see Medicine, Internal
- THE INTERNATIONAL**  
Academic sessions. A. I. Speranskii. Sov. slav. no. 1:100-111 '65.
- The First International and Russian democratic criticism of the second half of the 19th century on the centennial of the First International. N. A. Glagolev. Vest. Mosk. un. Ser. 7: Filol., zhur. 20 no. 2:3-8 Mr-Apr '65.
- History of the First International in literature and sources, a review of publications. L. P. Osobova, N. S. Rumyantseva. Vop. ist. KPSS 9 no. 6:119-126 Je '65.
- Session devoted to the centenary of the First International. I. M. Kulnyoh. Ukr. ist. zhur. 8 no. 6:146-147 N-D '64.
- INTERNATIONAL COMPETITION** see Competition, International
- INTERNATIONAL ECONOMIC RELATIONS**  
Creation of the International Organization of Trade. V. V. Fomin. Sov. gos. i pravo 35 no. 5:125-130 My '65.
- INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958**  
Perturbed solar diurnal variations at high latitudes during the IGY. I. A. Feldshteyn, A. N. Zaitsev. Geomag. i aer. 5 no. 3:477-186 My-Je '65.
- INTERNATIONAL LABOR LAWS AND LEGISLATION** see Labor laws and legislation, International
- INTERNATIONAL LABOR OFFICE**  
Labor and its legislation in international law. V. K. Sobakin, A. V. Piatkov. Sov. gos. i pravo 35 no. 5:141-144 My '65.
- INTERPOLATION**  
Class of interpolation polynomials with unfixed nodes. V. S. Videnskii. Dokl. AN SSSR 162 no. 2:251-254 My '65.
- INTESTINAL AND PARASITIC WORMS** see Worms, Intestinal and parasitic
- INTESTINAL FISTULA** see Fistula, Intestinal
- INTESTINES**  
Effect of submerged lavage of the large intestine with Tskhalubo mineral water on the cardiovascular system under normal and pathological conditions. I. G. Ugulava. Soob. AN Gruz. SSR 20 no. 1:115-120 Jl '62.
- INTESTINES—CANCER**  
Primary cancer of the small intestine. Z. K. Duplik, D. Z. Krasil'shechik. Khirurgia 41 no. 4:70-74 Apr '65.
- Sarcoma of the small intestine. V. I. Matveev, V. I. Iakushin. Khirurgia 41 no. 4:74-78 Apr '65.
- INTESTINES—DISEASES**  
Case of an extensive lesion of the small intestine in lymphogranulomatosis simulating ovarian cyst. A. V. Il'ashenko, T. P. Pikus. Khirurgia 41 no. 4:132-133 Apr '65.
- Content of pathogenic staphylococci in the feces of children with intestinal diseases. M. I. Ginzaid and others. Zhur. mikrobiol., epid. i immun. 41 no. 11:31-35 N '64.
- Enterokinas determination as a test for evaluating the state of the intestine. G. K. Shlygin. Sov. med. v biokhim. 1:282-281 '64.
- INTESTINES—INFLAMMATION**  
Clinical epidemiological evaluation of the treatment of patients following dysentery and enterocolitis. G. A. Cherniakov. Voenn.-med. zhur. no. 6:40-42 '64.
- INTESTINES—INNERVATION**  
Effect of some antibiotics on the reactivity of the components of interoceptive reflexes. G. G. Popovich and others. Antibiotiki 10 no. 2:122-130 F '65.
- New methods of studying intramural nerve cells of the intestines and the principle of lead precipitate formation in cellular structures. A. M. Chilingarian. Dokl. AN Arm. SSR 40 no. 2:123-128 '65.
- INTESTINES—MICROBIOLOGY**  
Study on the pathogenic action of the microflora of the small intestine. O. Fedor, D. Dumitrescu. Sov. med. 28 no. 5:52-54 My '65.
- INTESTINES—OBSTRUCTIONS**  
Acute intestinal obstruction in elderly and senile persons. R. M. Nurmukhamedov. Vest. khir. 93 no. 12:17-19 D '64.
- Interrelations of local and general factors in the pathogenesis of a dynamic obstruction of the intestines in peritonitis. B. V. Antipov, I. U. M. Gal'perin. Arkh. pat. 27 no. 3:54-60 '65.
- INTESTINES—PARASITES**  
Changes in the intestines of monkeys produced by the larvae of the nematode Oesophagostomum apistomum. K. K. Zaitseva. Arkh. pat. 27 no. 3:71-76 '65.
- INTESTINES—SURGERY**  
Some problems in the surgical treatment of tumors of the large intestine. I. U. A. Ratner. Vest. khir. 93 no. 12:113-116 '64.
- State of an esophagojejunal anastomosis 15 years after gastrectomy for cancer of the upper region of the stomach with a transition to the esophagus. K. A. Makarov, A. V. Bogdanov. Khirurgia 41 no. 4:129-130 Apr '65.
- INTESTINES—TUMORS**  
Isolated lymphogranulomatosis of the stomach and the small intestines. T. I. Suchkova. F. L. Slonin. Arkh. pat. 27 no. 3:80-82 '65.
- Reticulosis simulating diffuse polyposis of the rectum and large intestine. Z. Z. Ferdman. Khirurgia 41 no. 4:135-136 Apr '65.
- Some problems in the surgical treatment of tumors of the large intestine. I. U. A. Ratner. Vest. khir. 93 no. 12:113-116 '64.
- INTRA-ARTERIAL INJECTIONS** see Injections, Intra-arterial
- INTRAOCULAR PRESSURE**  
Bilateral primary atrophy of the lens is accompanied by the displacement of the crystalline lens and the increase in intraocular pressure. G. S. Kuntcheva. Trudy 1-go MMI 31:233-238 '64.
- INTRAPERITONEAL INJECTIONS** see Injections, Intraperitoneal
- INTRATRACHEAL ANESTHESIA**  
Unilateral pulmonary anesthesia in surgery on the lungs. P. I. Delchev, G. A. Voronina. Vest. khir. 91 no. 2:83-86 F '65.
- INTRAVENOUS INJECTIONS** see Injections, Intravenous
- INVENTORIES**  
Role of actual control during audit. V. Palli. Bukh. uch. 22 no. 3:35-37 Mr '65.
- INVENTORS**  
Creators of agricultural machinery. P. I. Plutsk. Shkola i proizv. 9 no. 4:79-85 Apr '65.
- Well known and forgotten. G. Smirnov. Izobr. i rats. no. 4:34-35 '65.
- INVERTASE—CLASSIFICATION**  
The activity unit of invertase. A. A. Kalaeva, L. N. Mendel'son. Farm. i spirit. prom. 31 no. 3:1-3 '65.
- INVESTMENTS, AMERICAN** see subdivision under Europe, Western; Iran; Latin America, Saudi Arabia
- INVESTMENTS, FOREIGN** see subdivision under Congo (Leopoldville), Rhodesia, Southern, Underdeveloped Areas
- INVESTMENTS, GERMAN** see subdivision under Iran
- IODIDES**  
Transport reactions in germanium precipitation by the iodide method. V. F. Dorfman, K. A. Bol'shakov, I. P. Klishakov. Izv. AN SSSR. Neorg. mat. 1 no. 1:37-46 Ja '65.
- IODINATION**  
Catalytic action of amino acids and amines in reactions of carbonyl compounds. Part 16: Kinetics and mechanism of iodination of acetyl phosphate in the presence of ethylenediamine. N. V. Volkova, E. A. Shilov, A. A. Iashnikov. Ukr. khim. zhur. 31 no. 1:55-66 '65.
- IODINE**  
Reaction of iodine with alkali metal thiocyanates without a solvent. V. S. Iakovlev. Ukr. khim. zhur. 31 no. 1:113-114 '65.
- Spectrophotometric analysis of the interaction of iodine with polyvinyl alcohol solutions. I. G. Tobelev and others. Vysokom. soed. 7 no. 1:123-128 Ja '65.
- IODINE—PHYSIOLOGICAL EFFECT**  
Characteristics of the course of nitrogen metabolism in birds during the fall period as affected by iodine. Z. F. Dzhalasova. Izv. AN Azerb. SSR. Ser. biol. nauk no. 1:100-103 '65.
- IODINE IN THE BODY**  
Level of protein-bound iodine in the blood of dogs with various properties of nervous processes. T. F. Komarova, E. V. Sokolova, D. S. Tendler. Zhur. vys. nerv. detat. 15 no. 1:114-119 Ja-F '65.
- IODINE ISOTOPES**  
Labeling specific antibodies with radioisotopes. E. M. Zhanileva, V. M. Stakhanova. Trudy TSU 68:122-124 '64.
- IODINE ISOTOPES—PHYSIOLOGICAL EFFECT**  
Functional state of the thyroid gland in sheep tested by the accumulation of radiiodine (I<sup>131</sup>). M. A. Mekhtiev, E. G. Gauzer, F. B. Askerov. Dokl. AN Azerb. SSR 21 no. 2:55-58 '65.
- ION BEAMS**  
Corrosion processes on the surface of steel studied by the method of secondary ionic emission. V. I. Shvachko and others. Dokl. AN SSSR 161 no. 4:865-868 Apr '65.
- Distribution of charges in ion beams that have passed through gaseous targets. L. I. Flivov, V. M. Tubaev, M. T. Novikov. Zhur. eksp. i teor. fiz. 48 no. 4:1022-1032 Apr '65.
- Formation of Permalloy films by means of a high-vacuum ion source. E. M. Dubina and others. Izv. AN SSSR. Ser. fiz. 29 no. 4:629-633 Apr '65.
- Magnetic properties of Permalloy films formed by ion bombardment. G. V. Spivak and others. Izv. AN SSSR. Ser. fiz. 29 no. 4:634-636 Apr '65.
- ION EXCHANGE**  
Application of cationizing in the recovery of citric acid from cotton waste. N. U. Rizaev and others. Izv. vys. ucheb. zav., fizich. tekhn. no. 1:174-175 '65.

## ION EXCHANGE (Continued)

Chromatography of proteins on ion exchangers and fractionation of mixtures, containing proteins, on columns with cephaex L. M. Gindman. *Sovr. metod. v biokhim.* 137-73 '64.

Extraction of a chloride complex of cadmium by the absorption of liquid anion exchangers. A. A. Morozov, M. A. Kiselev. *Izv. Khim. zhur.* 31 no. 441-416 '65.

Formation reaction methods of preparation, and ion-exchange properties of zinc hydrogen ferrocyanide. I. V. Tamarova, V. P. Korol'ov. *Izv. AN SSSR, Neorg. mat.* 1 no. 100-107 Ja '65.

Ion-exchange cellulose and its use in chromatography. F. G. Davidova, V. V. Rachinskii. *Usp. khim.* 34 no. 2: 253-273 '65.

Ion-exchange properties of zirconium phosphate. V. F. Titova, I. I. Tskurova. *Izv. AN SSSR, Neorg. mat.* 1 no. 108-112 Ja '65.

Rapid method for determining the total capacity of exchange of clays. O. L. Alekseev. *Ukr. khim. zhur.* 31 no. 114-116 '65.

Separation of gold, selenium, and tellurium by ion-exchange chromatography. M. V. Darbinina, E. E. Koptaisan. *Izv. AN SSSR, Khim. nauki* 18 no. 1: 18-24 '65.

Separation of small amounts of iron, chromium, and titanium from certain metals by the ion-exchange method. R. N. Golovaty, V. V. Oshchapovskii. *Ukr. khim. zhur.* 30 no. 6: 643-647 '64.

Separation on ionites and purification of adenosine and inosine 5'-phosphate esters. V. Z. Gorkin. *Sovr. metod. v biokhim.* 1250-239 '64.

## ION-EXCHANGE RESINS

Alkylation of phenol by isoprene on KU-2 cation-exchange resin. V. I. Isagulants, V. P. Evstaf'ev. *Zhur. org. khim.* 1 no. 1102-105 Ja '65.

Investigating the polymerization reactions of certain tertiary olefins in the presence of a cation exchange resin functioning as a catalyst. A. Ahmed Dessuki, V. I. Isagulants. *Trudy MINKhGP* no. 44: 39-42 '63. Mechanism underlying the alkylation of phenols by higher olefins in the presence of cation-exchange resins. O. N. Tsvetkov and others. *Dokl. AN SSSR* 162 no. 4: 833-835 Je '65.

Moscow. Institut gornogo dela imeni A. A. Stokhinskogo. [Ion exchange and extractive methods in chemical ore dressing processes]. Ionobmennye i ekstraktsionnye metody v khimiko-obogatitel'nykh protsessakh. Moskva, Nauka, 1965. 67 p.

Process of sorption of nickel and cobalt cations by anion-exchange resins. T. V. Ionatamishvili, T. S. Nachkebia. *Soob. AN Gruz. SSR* 37 no. 3: 595-602 Mr '65.

Secondary clarification of the plant sap of X-virus infected potatoes on native ion-exchange resins. I. U. M. Sheld'ko, N. O. Shevchenko. *Mikrobiol. zhur.* 27 no. 2: 78-82 '65.

Use of anion-exchanging resins in catalytic synthesis. Report no. 2: Cyanosilylation of nitrparaffins. Z. Porcedda, V. I. Isagulants. *Trudy MINKhGP* no. 44: 161-166 '63.

## ION EXCHANGERS

Absorption of technetium from aqueous solutions on anion exchangers produced in the Soviet Union. D. I. Rishchikov, A. A. Pozdnyakov. *Dokl. AN SSSR* 161 no. 4: 896-898 Ap '65.

Complex-forming processes on carboxyl-containing cation exchangers. V. N. Tolmachev, I. A. Lomako. N. A. Kluchavtva. *Ukr. khim. zhur.* 31 no. 4: 321-326 '65.

Equations correlating the properties of anion exchangers based on copolymers of vinyl amine and divinylbenzene with their structure. I. Seondac, A. F. Nikolaev. *Vysokom. soed.* 7 no. 1: 108-113 Ja '65.

Separation of a mixture of a cation exchanger and anion exchanger by a method of homogeneous fluidization. V. I. Malov. *Teploenergetika* 12 no. 5: 81-84 My '65.

Sorption of ferments by sefadex. M. S. Shul'man, V. A. Apatseva. *Ferm. i spir. prom.* 31 no. 11: 1-16 '65.

Sorption processes on cation exchangers from alcohol-aqueous solutions. V. V. Parkhomenko, O. D. Kurilenko. *Ukr. khim. zhur.* 31 no. 4: 372-375 '65.

Synthesis of weakly basic anion exchangers based on copolymers of vinyl amine and divinylbenzene. I. Seondac, A. F. Nikolaev. *Vysokom. soed.* 7 no. 1: 101-107 Ja '65.

## ION SOURCES

Gas-discharge-type ion and atom sources with an incandescent cathode. O. V. Kozlov, I. U. A. Skoblo, A. V. Chernetskii. *Izv. vyz. ucheb. zav. i av. tekhn.* 8 no. 2: 87-91 '65.

## IONIC CRYSTALS

Experimental determination of the temperatures of shock-compressed NaCl and KCl and their melting curves at pressures up to 700 Kbars. S. B. Kormer and others. *Zhur. ekap. i teor. fiz.* 48 no. 4: 1033-1049 Ap '65.

Modified method for additive calculation of the change in heat capacity during ionic sublimation of crystals. G. A. Krestov. *Izv. vyz. ucheb. zav. i khim. i khim. tekhn.* 7 no. 6: 924-929 '64.

## IONIC CRYSTALS—SPECTRA

Optical detection of spin relaxation in crystals containing paramagnetic ions. B. I. Zakharchenko, I. M. Kanyava, I. B. Rosarov. *Opt. i spekt.* 18 no. 3: 535-538 Mr '65.

Photon multiplication in crystals. I. A. I. E. R. Il'inas, G. G. Lidaia, Ch. B. Lushchik. *Opt. i spekt.* 18 no. 3: 453-460 Mr '65.

## IONIZATION

High-excited hydrogen atoms and Lorentz ionization. N. V. Fedorenko, V. A. Imulin, R. N. Il'in. *Zhur. tekhn. fiz.* 35 no. 1: 585-604 Ap '65.

Ionization of atoms in beta decay. L. I. Feinberg. *Iad. fiz.* 1 no. 4: 612-620 Ap '65.

Mass spectra of water ionized by a strong electric field. I. V. Gol'denshteyn, V. A. Nazarenko, V. A. Pokrovskii. *Dokl. AN SSSR* 161 no. 4: 861-863 Ap '65.

Mass spectrometer study of the photoionization of low-volatility organic substances. M. I. Akopian, I. I. Vilesov. *Dokl. AN SSSR* 161 no. 5: 1110-1111 Ap '65.

Thermal ionization of impurity centers in the presence of an external electric field. A. G. Cheban. *Fiz. tverd. tela* 7 no. 5: 1303-1311 My '65.

## IONIZATION OF GASES

Oxygen ionization on a silver electrode in alkaline solution. I. U. A. Mazitov, K. I. Rozental', V. I. Veselovskii. *Elektrokhimiya* 1 no. 1: 38-10 Ja '65.

Theory of the halting of ionization processes in gas jets. I. U. S. Salasov. *Dokl. AN SSSR* 162 no. 1: 875-878 Je '65.

## IONOSPHERE

(see also subdivision under Pacific Area)

Inhomogeneity of region E of the ionosphere. V. I. Pozigon. *Geomag. i aer.* 5 no. 3: 576-578 My-Je '65.

Ionospheric magnetic disturbances in years of maximum solar activity. E. I. Dolgova. *Geomag. i aer.* 5 no. 3: 442-449 My-Je '65.

Observations of an ionospheric triplet at low latitudes. I. U. S. Korobkov, V. V. Pisareva. *Geomag. i aer.* 5 no. 3: 580-581 My-Je '65.

Planetary characteristics of ionospheric disturbance. V. P. Kuleshova. *Geomag. i aer.* 5 no. 3: 573-574 My-Je '65.

Relation of ionospheric sporadic E at medium and low latitudes to the electrodynamic conditions in the ionosphere. M. N. Fatkulina. *Geomag. i aer.* 5 no. 3: 435-441 My-Je '65.

Thermal ionization of the ionosphere by the shock wave from the Tunguska explosion in 1908. A. V. Zolotov. *Geomag. i aer.* 5 no. 3: 584-585 My-Je '65.

Use of ground measuring data in determining the electron concentration profile above the maximum of the F-region. A. N. Kazantsev, S. A. Namazov. *Geomag. i aer.* 5 no. 3: 429-434 My-Je '65.

IONOSPHERIC RADIO WAVE ABSORPTION see subdivision under Antarctic regions

## IONOSPHERIC RADIO WAVE PROPAGATION

(see also subdivision under Antarctic regions)

Method for measuring the north-south component of the refraction of microwaves in the ionosphere and the optical strata gradient. I. U. L. Kokurin, I. U. A. Kovura, A. N. Subhanovskii. *Radioelektronika* 10 no. 5: 939-940 My '65.

IONOSPHERIC RESEARCH see subdivision under Alma-Ata

## IONS

Capture and loss of electrons by fast ions in collisions with atoms. V. S. Nikolaev. *Usp. fiz. nauk* 85 no. 4: 678-720 Ap '65.

Dependence of the ion-electron emission of single crystals on the temperature of the target. V. M. Aganovich, D. D. Odintsov. *Dokl. AN SSSR* 162 no. 4: 778-780 Je '65.

Distribution of light ions in the air by their size. R. B. Segal'. *Uch. zap. CHGFT* 3 no. 3: 3-12 '62.

## IONS—SCATTERING

Effect of the crystalline structure of the target on the energy spectra of scattered ions. E. S. Mashkova, V. A. Molchanov, V. Sosha. *Dokl. AN SSSR* 161 no. 4: 813-816 Ap '65.

Elastic scattering of He<sup>3</sup> ions on Be<sup>9</sup>, N<sup>14</sup>, and O<sup>16</sup>. K. P. Artemov and others. *Iad. fiz.* 1 no. 4: 628-632 Ap '65.

## IOSELIANI, DAVID GEORGIEVICH, 1894-

David Georgievich Ioseliani, on his 70th birthday. M. A. Sreseli, S. Kakhiani. *Vest. khim.* 93 no. 12: 125-128 '64.

## IRAN—COMMERCE—EUROPE, WESTERN

The intermediary role of the New-Dahula merchants in the diplomatic relations between Iran and the countries of Western Europe at the beginning of the 17th century. V. A. Baiburtian. *Krat. soob. Inst. nar. Az.* no. 77: 20-29 '64.

## IRAN—CULTURE

Some tendencies in the cultural development of Iran, 1920-1940. F. A. Doroshenko. *Krat. soob. Inst. nar. Az.* no. 77: 81-92 '61.

## IRAN—FINANCE

The budgetary deficit of Iran; budget of the state apparatus, 1954-1962. U. Z. Sharipov. *Krat. soob. Inst. nar. Az.* no. 77: 73-80 '61.

## IRAN—INVESTMENTS, AMERICAN

Export of American private capital to Iran as one of the forms of the expansion policy of the United States. N. V. Vasin. *Krat. soob. Inst. nar. Az.* no. 77: 61-72 '61.

## IRAN—INVESTMENTS, GERMAN

German penetration into Iran after the First World War. S. L. Agayev. *Krat. soob. Inst. nar. Az.* no. 77: 30-41 '64.

## IRAN—LABOR AND LABORING CLASSES

Shamido, A. I. [The labor and trade-union movement in Iran after the Second World War, 1946-1953]. *Rabochee i profsoynnoe dvizhenie v Irane posle Vtoroi mirovoi volny, 1946-1953* (pp. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 210 p.

## IRAN—NATIONALITIES

The nationality problem in present-day Iran. S. M. Aliev. *Krat. soob. Inst. nar. Az.* no. 77: 47-60 '61.

## IRAN—PETROLEUM INDUSTRY

Iranian oil should belong to the Iranians. U. Sharipov. *A. i Afr. seg.* 8 no. 5: 34-35 My '65.

## IRAN—TRADE UNIONS

Shamido, A. I. [The labor and trade-union movement in Iran after the Second World War, 1946-1953]. *Rabochee i profsoynnoe dvizhenie v Irane posle Vtoroi mirovoi volny, 1946-1953* (pp. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 210 p.

## IRIDIUM—ANALYSIS

Coulometric titration of iridium (IV) with electrogenerated iron (II) ferrocyanide. N. I. Stenina, P. K. Aganjan. *Zhur. anal. khim.* 20 no. 3: 351-354 '65.

## IRIS (EYE)—DISEASES

Bilateral primary atrophy of the iris accompanied by the displacement of the crystalline lens and the increase in intraocular pressure. G. S. Kuntcheva. *Trudy 1-go MMI* 32: 223-229 '64.

## IRITIS

Cysticercosis and a secondary iridocyclitis of the eye combined with cysticercosis of the brain. G. K. Khar'kovskaya. *Trudy 1-go MMI* 32: 229-236 '64.

## IRKUTSK—BAKERIES

Using new work methods. E. N. Pakhomova. *Khleb. i kond. prom.* 9 no. 5: 22-23 My '65.

## IRKUTSK PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

According to the practices of the "Prinak" State farm. A. Khal'khayev. *Tekhn. v sel'khoz.* 25 no. 1: 53-56 Ap '65.

## IRON

Activation of iron by halogen ions. I. A. M. Kolotyrlin, L. I. Freiman. *Dokl. AN SSSR* 162 no. 2: 376-379 My '65.

Mechanism of iron reduction from alkaline solutions. Part I: Reduction of iron from alkali solutions saturated with hydrated iron oxide and from corresponding suspensions. L. I. Llamina, K. M. Gorbunova. *Elektrokhimiya* 1 no. 1: 41-45 Ja '65.

## IRON—ANALYSIS

Determination of microquantities of iron and silver by oxidation of pyrocatechol violet with potassium persulfate. D. Jasinskieno, J. Birmanas, V. Reiklyte. *Trudy AN Litv. SSR, Ser. B* no. 3: 81-90 '64.

## IRON—COMBUSTION

Metallographic investigation of the processes of the burning of iron in an air stream. I. A. Nesgovorov. *Izv. AN SSSR, Met.* no. 1: 141-147 Ja-F '65.

## IRON—CORROSION

Effect of the adsorption of anions on the action of inhibitors of acid corrosion of iron and cobalt. Z. A. Iofin, V. V. Batrakov, Khio Ngok Ba [Huo Ngok Ba]. *Zashch. met.* 1 no. 3: 55-62 Ja-F '65.

## IRON—HARDENING

Influence of grain size on the effect of iron hardening during programmed loading. I. A. Gindin, I. M. Nekhtudov, D. F. Smeleva. *Fiz. met. i metallurg.* 19 no. 4: 627-629 Ap '65.

## IRON—HEAT TREATMENT

Heat treatment of gray iron castings. Sh. E. Andrachnikov. *Lit. proizv.* no. 6: 38 Je '64.

## IRON—METALLOGRAPHY

Conditions for the transition from slip to twinning. A.S. Drachinskii, V.F. Moliseev, V.I. Trefilov. *Fiz. metal. metalloved.* 19 no. 1:602-611 Ap '65

## IRON—METALLURGY

Investigating with the help of a mass-spectrometer the products of the decarburization reaction during the smelting of iron in vacuum. V.T. Burtsev and others. *Izv. AN SSSR Met.* no. 1:55-58 Ja-F '65

## IRON ALLOYS—METALLOGRAPHY

Investigating the distribution of phosphorus in iron-base alloys by the method of autoradiography. A.I. Efimov, S.V. Zenskii. *Sborn. nauch. i inzh. inst. metallofiz. AN URSSR* no. 20:171-179 '64.

## IRON-ALUMINUM ALLOYS—TESTING

Mechanical properties of binary iron-aluminum alloys. I.M. Pavlov, G.N. Mekhed, V.A. Suvorov. *Izv. AN SSSR, Met.* no. 1:136-140 Ja-F '65.

## IRON AND STEEL BRIDGES

see Bridges, Iron and steel

## IRON AND STEEL PLANTS

see subdivision under Ukraine; Zaporozh'ye

## IRON AND STEEL PLANTS—HEATING AND VENTILATION

Setting up normal working conditions in plants in the winter. *Metallurg* 10 no. 3:32 Mr '65

## IRON AND STEEL PLANTS—LABOR PRODUCTIVITY

Put maximum potentials to work. E. Smirnov. *Metallurg* 10 no. 3:1-2 Mr '65

## IRON CATALYSTS

Synthesis of hydrocarbons from carbon monoxide and hydrogen on iron catalysts with a low iron content. F.I. Novak, A.N. Bashkurov. *Neftekhimiya* 5 no. 1:78-81 Ja-F '65

## IRON-CHROMIUM ALLOYS

Kinetics of the initial stages of activation of iron-chromium alloys by halogen ions. G.V. Golovina, G.M. Florjanovich, I.A.M. Kolotyrkin. *Elektrokhiimiya* 1 no. 1:12-16 Ja '65.

## IRON-CHROMIUM ALLOYS—ELECTROMETALLURGY

Making low-phosphorus ferrochromium. V.P. Zaiko, I.V. Shilina. *Izv. AN SSSR, Met.* no. 1:21-24 Ja-F '65.

## IRON CITRATES

Extraction by amyl alcohol of an iron citrate complex in the presence of tri-n-butylamine. I.V. Platnitskii, R.S. Kharchenko. *Ukr. khim. zhur.* 30 no. 6:635-640 '64.

## IRON-COBALT-NICKEL ALLOYS—METALLOGRAPHY

X-ray study of the decomposition of a supersaturated solid solution in the "titanal" alloy. L.M. Magat. *Fiz. metal. metalloved.* 19 no. 4:521-529 Ap '65.

## IRON FOUNDRY

Airtightness of gray cast iron for casting hydraulic system parts. A.I. Smirnov, A.A. Sotnikov. *Lit. proizv.* no. 6:27-28 Je '64

Mechanism of the remodification of graphite in cast iron. M.H. Rudenko, A.A. Goshkov. *Dop. AN URSSR* no. 4:469-473 '65

Nekhtudov, I.A., P.I. Kozheurov, and B.A. Rits. [Cast-iron high-strength cast iron crankshafts in permanent molds]. *Otlyvka kolenchatykh vlvov iz vysokoprochnogo chuguna v kokil'.* [Cheljabinsk] Izdno-Ural'skoe knizhnoe izd-vo, 1964. 47 p.

Some characteristics of magnesium cast iron production. L.I. Pantalov, V.M. Pozdnyshnev. *Lit. proizv.* no. 6:26-27 Je '64

## IRON-GADOLINIUM ALLOYS—MAGNETIC PROPERTIES

Thin films of iron-gadolinium alloys. L.V. Kirenskiy and others. *Izv. AN SSSR, Ser. fiz.* 20 no. 4:680-684 Ap '65.

## IRON INDUSTRY

Dizhanova, M.I. [Material stimuli for speeding up technical progress in industry]. *Material'nye stimuly uskorenija tekhnicheskogo progressa v promyshlennosti.* Pod nauchnoi red. V.G. Lebedeva. Moskva, Myel', 1964. 87 p. (MH)

## IRON INDUSTRY—ACCOUNTING

see subdivision under Magnitogorsk

## IRON INDUSTRY—CONGRESSES

At the IV Plenum of the Central Administration of the Scientific Technological Society for Ferrous Metallurgy. S.I. Pevzner. *Gor. zhur.* no. 4:76 Ap '65.

## IRON INDUSTRY—FINANCE

see subdivision under Ukraine

## IRON METABOLISM

Effect of whole-body X-ray irradiation on the iron metabolism in animal tissues. A.B. Uteshev. *Ukr. biokhim. zhur.* 34 no. 3:371-378 '62

## IRON MINES AND MINING

(see also subdivision under Krivoy Rog Basin)

Review of the book by M.F. Drukovanyi and others "Blasting high benches." E.I. Shkuta. *Gor. zhur.* no. 5:77 My '65.

## IRON MINES AND MINING—EQUIPMENT AND SUPPLIES

see subdivision under Krivoy Rog Basin

## IRON MINES AND MINING—FINANCE

(see also subdivision under Atakan, Krasnoyarsk Territory)

Ways of speeding up the turnover of working capital in mining enterprises. N.I.A. Plakhtyria. *Gor. zhur.* no. 5:3-7 My '65

## IRON-MOLYBDENUM-CHROMIUM ALLOYS

see Chromium-iron-molybdenum alloys

## IRON-NICKEL ALLOYS—SPECTRA

Effect of plastic deformation on the annihilation spectra of positrons with electrons in metals. I.A. Dekhtiar, D.A. Levina, V.S. Mikhailenko. *Sborn. nauch. i inzh. inst. metallofiz. AN URSSR* no. 19:127-131 '64.

## IRON-NICKEL ALLOYS—TESTING

Changes in the physical properties of martensite during aging. M.D. Perkas, L.P. Potapov. *Fiz. metal. metalloved.* 19 no. 4:631-633 Ap '65

## IRON-NICKEL-ALUMINUM ALLOYS—METALLOGRAPHY

X-ray study of structural transformations during the aging of the "anko-4" alloy. Part 2: Effects of anomalous scattering caused by the initial stages of the decomposition of solid solutions. M.P. Arbuzov, A.A. Pavlyukov, B.V. Khaenko. *Fiz. metal. metalloved.* 19 no. 4:630-635 Ap '65.

## IRON ORES

(see also subdivision under Altai Mountains; India; Sakhalin Range; Sayan Mountains)

Chemical treatment of tailings of Svaransk iron-olivine ores obtained by the concentration by magnetic separation. Part 2: Solubility of tailings in sulfuric and nitric acids. A.A. Alekudzhin and others. *Izv. AN Arm. SSR, Khim. nauki* 18 no. 1:96-103 '65

Production of metallized pellets from thin iron concentrates. I.U. A. Berman, V.I. Miller. *Obog. rud.* 9 no. 4:21-26 '64

## IRON ORES—ANALYSES

see subdivision under Buryat A.S.S.R.

## IRON ORES—COSTS

see subdivision under Krivoy Rog Basin

## IRON ORES—CRUSHING AND GRINDING

see subdivision under Krivoy Rog Basin

## IRON OXIDES

Phase diagram of the system bismuth oxide-ferrous oxide. E.I. Speranskina and others. *Izv. AN SSSR, Ser. khim.* no. 5:805-806 '65.

## IRON PLATING

Reconditioning parts by the method of hard steel plating. V.G. Bondarenko. *Inform. biul. VDNKH* no. 5:3-4 My '64.

Relationship between the appearance and internal structure of solid electrolytic iron deposits and plating conditions. L.K. Kaibabina, I.U. N. Sobolev. *Izv. vys. ucheb. zav. i mashinost.* no. 4:136-144 '65.

## IRON SALTS

Particular characteristics of the diffusion of iron ions in molten aluminosilicates. E.A. Pastukhov, O.A. Esin, S.K. Chuchmarev. *Elektrokhiimiya* 1 no. 1:78-83 Ja '65.

## IRON SILICIDES—MAGNETIC PROPERTIES

Magnetic susceptibility and valent state of iron monosilicide atoms. T.S. Shubina, F.A. Sidorenko, P.V. Gel'd. *Fiz. metal. metalloved.* 19 no. 4:644-649 Ap '65.

## IRON-SILICON ALLOYS

Mössbauer effect in alkali ferrosilicate glasses. A.A. Belustin and others. *Fiz. i ver. tela* 7 no. 5:1447-1454 My '63.

## IRON-SILICON ALLOYS—METALLOGRAPHY

Texture formation during the annealing of strongly deformed silicon iron. R.A. Adamenko and others. *Izv. vys. ucheb. zav. i chern. met.* 8 no. 5:133-139 '65

## IRON-TUNGSTEN-CHROMIUM ALLOYS

see Chromium-iron-tungsten alloys

## IRRIGATION

(see also subdivision under Kabardino-Balkar A.S.S.R.; Pallasovka District; Soviet Central Asia; Tajikistan; Volga-Don Canal region)

Long-furrow irrigation. G.N. Pavlov, F.V. Serebrennikov. *Gidr. i mel.* 17 no. 2:1-3 F '65.

## IRRIGATION—RESEARCH

see subdivision under Kursk Province

## IRRIGATION—TECHNOLOGICAL INNOVATIONS

see subdivision under Uzbekistan

## IRRIGATION CANALS AND FLUMES

(see also subdivision under Bulgaria, Lithuania)

Effect of irrigation from deepened canals on the regime of underground waters. N.N. Khodzhibayev, A. Esenbekov. *Uzb. geol. zhur.* 8 no. 1:62-67 '64.

Improved joints for flumes. I.D. Suladze. *Gidr. i mel.* 17 no. 2:39-40 F '65.

## IRRIGATION CANALS AND FLUMES—LININGS

Use of bitumen and soil cement for constructing anti-filtration linings on the canals of an irrigation network. I.P. Marcev. *Trudy VNIIGIM* 44:110-116 '64

## IRRIGATION CANALS AND FLUMES—MAINTENANCE AND REPAIR

Hydraulic calculations for transversal bottom sediment-intercepting chutes. Z.A. Musayev. *Gidr. i mel.* 17 no. 2:25-32 F '65.

## IRRIGATION FARMING

see subdivision under Kazakhstan; Moldavia; Sulgrevka District

## IRTYSH-KARAGANDA CANAL—ENGINEERING GEOLOGY

Sapayev, K.I., ed. [Irtysk-Karaganda Canal; engineering geological conditions]. *Kanal Irtysk-Karaganda, inzhenerno-geologicheskie ustovila.* Alma-Ata, Nauka, 1965. 169 p.

## IRTYSH RIVER—MOTOR SHIPS

Make use of the potentialities of the fleet. *Rech. i transp.* 24 no. 4:15-16 '65.

## IRTYSH RIVER—REGULATION

Regulation of approaches to the lower canal of the Ust'-Kamenogorsk lock. M. Voloshin. *Rech. i transp.* 24 no. 3:57 '65.

## ISFAHAN, IRAN—MERCHANTS

The intermediary role of the New-Dzhulfa merchants in the diplomatic relations between Iran and the countries of Western Europe at the beginning of the 17th century. V.A. Balburian. *Krat. soob. inst. nar. Az.* no. 77:20-29 '64

## ISHIMBAY OIL FIELD—ROCKS, CARBONATE

Experimental investigation of combustion in carbonate rocks. I.A. A. Mustayev. *Nefteprom. delo* no. 2:12-16 '65.

## ISHIMBAY REGION (BASHKIRIA)—PETROLEUM—TRANSPORTATION

Determining the losses of light petroleum fractions on the fields of the Oil Field Administration of the Ishimbay Petroleum Trust. M.F. Kovalenko, T.A. Saifecv. *Nefteprom. delo* no. 2:28-31 '65.

## ISLAM

see subdivision under Andhra, India; Chechen-Ingush A.S.S.R.; Turkmenistan

## ISLAM—CONGRESSES

"The elaboration of Islam". Strasbourg Colloquium. E.A. Bollaev. *Krat. soob. inst. nar. Az.* no. 71:126-132 '64.

## ISMAILITES

see subdivision under Pakistan

## ISOELECTRIC POINT

Change in the isoelectric point and solubility in the isoelectric zone of brain proteins. V.F. Danileva, I.I. Ivanenko. *Ukr. biokhim. zhur.* 34 no. 3:379-386 '62

## ISOMERISM

Interaction of nitroxy chloride with unsaturated compounds. Part 17: Cis-trans isomerism of dimers of aliphatic chloronitroso compounds. M.A. Samartsev, K.A. Ogloblin. *Zhur. org. khim.* 1 no. 1:31-37 Ja '65

## ISOMERIZATION

Catalytic conversions of high-molecular weight paraffins. Report No. 2: Isomerization of n-octadecane in the presence of WS<sub>2</sub> and WS<sub>2</sub>/aluminosilicates industrial catalysts. Kh.I.A. Orlov, A.A. Martynov, V.P. Bulychev. *Izv. AN SSSR, Ser. khim.* no. 5:792-796 '65.

Catalytic conversions of high-molecular weight paraffins. Report No. 3: Effect of benzene addition on the isomerization of n-octadecane in the presence of the industrial catalyst WS<sub>2</sub>. Kh.I.A. Orlov, A.A. Martynov. *Izv. AN SSSR, Ser. khim.* no. 5:796-800 '65.

Isomerization and fragmentation of carbenium ions during sulfate alkylation. B.V. Ioffe, B.V. Stoltarov. *Dokl. AN SSSR* 161 no. 6:1339-1341 Ap '65.

Isomerization of α-pine and β<sup>2</sup>-carene oxides with lithium diethylamine. B.A. Arbuzov, Z.G. Tsareva, I.S. Andreeva. *Izv. AN SSSR, Ser. khim.* no. 6:838-843 '65.

Isomerization of cyclohexane in methyl cyclopentane. I.A.M. Panshin and others. *Trudy MNKIKG* no. 44:58-63 '63.

Thermodynamics of the isomerization of monochloroparaffins. G.I.A. Kabo, D.N. Andreevskii. *Neftekhimiya* 5 no. 1:132-135 Ja-F '65

## ISOMERIZATION (Continued)

Trans-cis isomerization of 1,2, cyclopropane dicarboxylic acid, I. N. Topchieva, M. Al'teto, R. I. A. Levina Zhur. ob. khim. 35 no. 4:749 Ap '65

## ISOMERS

Chromatographic determination of the aromatic isomers in the production products of p-xylene M. S. Vigdergauz, O. G. Chahrova, Neftekhimika 5 no. 1:160-165 Ja-F '65

Cryoscopic method for determining the isomer content in xylene Sh. T. Akhmedov and others. Nefteper. i neftekhim. no. 4:42-44 '65.

The new isomers Ru55 and Ru101, V. L. Chikhliadze, IAD fiz. 1 no. 4:729-730 Ap '65.

Use of thiourea adducts to separate certain dialkylcyclohexanes into geometric isomers A. L. Liberman, B. M. Lerman, A. V. Probozhzhenskii Neftekhimika 5 no. 1:1-9 Ja-F '65

## ISOMERS—DECAY

Spontaneously fissionable isomer with a half-life of  $0.9 \cdot 10^{-3}$  sec IU V. Lobanov and others IAD fiz. 1 no. 1:67-71 Ja '65

## ISOMETRIC PROJECTION

Isometric method for the evaluation of synthetic fibers L. S. Gerasimova, A. B. Pakshver Tekst. prom. 25 no. 4:59-63 Ap '65

## ISOMORPHISM (CRYSTALLOGRAPHY)

Main factors determining the isomorphism of elements, A. S. Povarennykh, Min. sbor. 18 no. 2:126-144 '64.

## ISOPENTYL ALCOHOL

Catalytic dehydration of a mixture of isopentanol and concomitant conversions of formed isopentenones, L. Kh. Freidlin, V. Z. Shiri, Z. T. Tukhtamuradov, Izv. AN SSSR, Ser. khim. no. 3:531-534 '65

Extraction of zinc and Co (II) thioacetate complexes with isopentyl alcohol G. A. Kataev, I. S. Shpaer, Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:891-897 '64

## ISOPRENE

Alkenylation of phenol by isoprene on KU-2 cation-exchange resin, V. I. Isagulianta, V. P. Evstaf'ev, Zhur. org. khim. 1 no. 1:102-106 Ja '65.

Role of soluble organoaluminum compounds in the process of polymerization of isoprene by a complex catalyst A. A. Korotkov and others, Dokl. AN SSSR 162 no. 4: 821-823 Je '65.

## ISOPROPYLAMINE

Reaction of phosphorus pentachloride with isopropylamine and  $\alpha$ -alanine, I. N. Zhmurova, B. S. Drach, Zhur. ob. khim. 35 no. 4:718-723 Ap '65.

## ISOTOPE EXCHANGE

Isotope exchange sorption of tritium from aqueous solutions under dynamic conditions, V. V. Rachinskii, L. A. Lenskii, Dokl. AN SSSR 162 no. 2:380-383 My '65.

Isotope exchange of hydrogen atoms in cyclopentadienyl rhodium tricarbonyl, A. N. Neamenov and others, Izv. AN SSSR, Ser. khim. no. 4:762 '65

Isotope exchange of hydrogen atoms in cyclopentadienyl rings of cobalticinium compounds, D. N. Kursanov and others, Dokl. AN SSSR 161 no. 4:847-850 Ap '65.

## ISOTOPES

Masses of stable isotopes of neodymium, praseodymium, cerium, and lanthanum, R. A. Demirkhanov, V. V. Dorokhov, M. I. Dzuka, Izv. AN SSSR, Ser. fiz. 29 no. 5:857-861 My '65.

## ISOTOPES—DECAY

Study of the decay chain  $\text{Lu}^{167} \rightarrow \text{Yb}^{167} \rightarrow \text{Tm}^{167}$ , K. I. Gromov and others, IAD fiz. 1 no. 3:389-399 Mr '65

## ISOTOPES—INDUSTRIAL APPLICATIONS

Isotopes used in checking, automatic control and measurements V. V. Zhiglov, N. B. Narzykulov, Inform. biul. VDNKH no. 5:32-33 My '64.

Leningrad, Gosudarstvennyi Institut prikladnoi khimii, [Chemistry and technology of isotopes] Khimika i tekhnologiya izotopov, sbornik statei, Pod red. I. F. Tupitsyna, Moskva, Khimika, 1964, 181 p

## ISOTOPES—SPECTRA

Normalization of pulse height spectra, I. I. Rogushin, IAD, prib. no. 1:5-23 '64.

## ISSYK-KUL—GAS, NATURAL—GEOLOGY

Gas manifestations on the bottom of Lake Issyk-Kul, N. V. Astaf'ev, A. I. Pionikov, Izv. AN Kazakh SSR Ser. geol. 22 no. 2:50-56 Mr-Apr '65

## ISSYK-KUL DEPRESSION—WINDS

The Sanjak wind of the Issyk-Kul Depression, O. A. Podrezov, Meteor. i gidrol. no. 6:35-37 Je '65.

## ITALY—ECONOMIC POLICY

The Italian proletariat and its fight against the "market determined" policy, S. Sebastianelli, Nov. vrem. 22 no. 20:20-21 My '65.

The "Pieraccini plan," V. Kravchenko Mir ekon. i mezhdunar. otn. no. 6:93-98 '65.

## ITALY—FASCISM

Magnificence and destitution of Fascism Tsetsilia Kin, Nov. mir. 41 no. 5:204-235 My '65

## ITALY—RELATIONS (GENERAL) WITH RUSSIA

Fruitful meeting of Soviet and Italian historians E. A. Dudinskaya, Ist. SSSR 9 no. 1:210-216 Ja-F '65

## ITURRIAGA, JOSE E., 1914-

People and events' Marko Mikezic, José E. Iturriaga, Nov. vrem. 22 no. 20:7, 21 My '65

## IUON, KONSTANTIN FEDOROVICH, 1875-

Rostovtseva, I. T. Konstantin Fedorovich IUon, Leningrad, Khudozhnik RSFSR, 1964, 39 p., illus. (M-1)

## IVANO-FRANKOVSK PROVINCE—AUDITING AND INSPECTION

We are uncovering possibilities for additional output of goods, A. Bevz, R. Legn, Fin. SSSR 39 no. 5:64-65 My '65

## IVANOV, ALEKSEI IVANOVICH, 1911-1964

A. I. Ivanov, obituary Nauch. dokl. vys. shkoly; filos. nauki 7 no. 5:128-129 '64.

## IVANOVO—NURSERY SCHOOLS

Happiness of the textile center, A. Matlushina, Sov. profsoyuzy 21 no. 10:24-25 My '65

## IVANOVO PROVINCE—BEANS—FERTILIZERS AND MANURES

Fertilizers for forage beans in turf-Podzolic soils of Ivanovo Province, L. P. Isakova, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:117-124 '63.

## IVANOVO PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES

Fertilizers for corn in turf-Podzolic soils of Ivanovo Province, T. F. Shchemnikova, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:150-174 '63

## IVANOVO PROVINCE—GEOMORPHOLOGY

Meteoritic origin of the Puchezh-Katunki crater, L. F. Firsov, Geotektonika no. 2:106-118 Mr-Apr '65.

## IVANOVO PROVINCE—GUIDEBOOKS

Glebov, I. U. F., and others, [Through Ivanovo Province; a guidebook] Po Ivanovskoi oblasti; putevoditel', [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1958, 203 p.

## IVANOVO PROVINCE—LUPINE

Green manure as an important means for increasing farm plant yield in turf-Podzolic soils of Ivanovo Province, A. V. Vagin, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:23-45 '63.

## IVANOVO PROVINCE—LUPINE—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of blue lupine seeds in turf-Podzolic soils of Ivanovo Province, S. A. Semenov, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:125-137 '63. Effect of fertilizers on the yield of European yellow lupine seeds in turf-Podzolic soils of Ivanovo Province, B. A. Zhuravlev, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:138-149 '63.

## IVANOVO PROVINCE—MILLET—FERTILIZERS AND MANURES

Fertilizers for millet in turf-Podzolic soils of Ivanovo Province, N. I. Oksenenko, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:150-157 '63.

## IVANOVO PROVINCE—SUGAR BEETS—FERTILIZERS AND MANURES

Fertilizers for sugar beets in turf-Podzolic soils of Ivanovo Province, L. I. Kartashova, Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 21:103-116 '63.

## IZYASLAV REGION (UKRAINE)—MINERALOGY

Mineralogy of Senonian sediments in the surroundings of Izyaslav, G. V. Bolchuk, Min. sbor. 18 no. 1:91-93 '64.

## JACKS, HYDRAULIC see Hydraulic jacks

## JACQUARD WEAVING

Calculating the loop length and weight of jacquard weaves knit goods L. P. Rovinskaya, Tekst. prom. 25 no. 3:48-50 Mr '65

Selecting the optimum parameters of the mechanism for automatic jacquard card punching, I. A. M. Rebarbar and others, Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2: 121-126 '65.

JAEGERS (BIRDS) see subdivision under 'Haswell Island, Antarctica

## JAPAN—BIBLIOGRAPHY

Moscow, Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury, [Bibliography on Japan; literature published in Russia from 1734 to 1917] Bibliografiya Iaponii, literatura, izdannaya v Rossii s 1734 to 1917 g. Moskva, Nauka, 1965, 370 p.

## JAPAN—DIESEL LOCOMOTIVES

Japanese diesel trains with hydraulic transmission systems, A. N. Loginov, Elektr. i tepl. siaga 6 no. 3: 39-40 Mr '62.

## JAPAN—FOREIGN ECONOMIC RELATIONS—KOREA, SOUTH

Japan and southern Korea, a deal behind the people's back, D. Petrov, Mir ekon. i mezhdunar. otn. no. 6:90-101 '65.

## JAPAN—HISTORY

Kutakov, L. N. [Outline of the recent history of Japan, 1918-1963; a teacher's manual] Ocherki novishoi istorii Iaponii, 1918-1963, posobie dlia uchitelia, Moskva, Prosveshchenie, 1965, 295 p.

## JAPAN—KOREANS

Koreans in Japan, A. Semenov, Nov. vrem. 23 no. 23: 13 Je '65.

## JAPAN—LABOR AND LABORING CLASSES

Present-day condition of the working class in Japan, V. Khlynov, Mir ekon. i mezhdunar. otn. no. 6:90-91 '65

## JAPAN—LIBERTY OF THE PRESS

The newspapers, radio and television of Japan and their interrelations with the government, I. A. Latshev, Krat. sob. inst. nar. Az. no. 85:140-153 '64.

## JAPAN—NAVY

Japan's Navy, L. Ereemov, Mezhdunar. zhizn' 12 no. 6:140-151 My '65.

## JAPAN—PLASTICS

Japanese exhibition of plastics production and processing equipment, V. G. Makhaev, Ryb. khoz. 41 no. 3:92 '65.

## JAPAN—TRADE UNIONS

Spring struggle of the Japanese trade unions, A. Kapustin, Sov. profsoyuzy 21 no. 10:36-37 My '65.

## JAWS—DISEASES

Pathogenesis of mandibular osteomyelitis of gunshot etiology; experimental study, V. I. Luk'yanenko, Voen.-med. zhur. no. 11:35-40 '64.

## JAWS—FRACTURE

Treatment of linear and gunshot fractures of the mandible; clinical experimental study, P. Z. Arzhantsev, Voen.-med. zhur. no. 11:30-35 '64.

Zbarzh, I. A. M. [Fractures of the mandible and their treatment] Porolomy vorkhnoi chelusti i ikh lechenie, [Leningrad] Meditsina, 1965, 126 p. (Biblioteka prakticheskogo vracha) (DNLM)

## JELLY

Mechanical properties of edible food jelly made with gelatin and agaroid, V. S. Baranov, D. I. Lobanov, Izv. vys. ucheb. zav., pishch. tekhn. no. 1:54-56 '65.

## JERUSALEM—ORTHODOX EASTERN CHURCH

News from the Russian Orthodox Mission in Jerusalem, Zhur. Mosk. Patri. no. 5:7-14 '65.

## JET APPARATUS

Hydraulic losses in jet sprinkler apparatus, N. A. Grigorian, Trudy VNIIGIM 44:120-134 '64

Preparation of clay mounds in fluid jet mills, Z. A. Donlakin, Burenia no. 9:31-33 '64.

## JET BORING

Device for the thermal fracturing of rock, I. V. Bogdanov, Gor. zhur. no. 5:75 My '65.

## JET BORING—TESTING

Investigating the operation of a gasoline and air jet-piercing machine, E. F. Epstein and others, Gor. zhur. no. 4:35-37 Ap '65.

## JETS—FLUID DYNAMICS

Propagation of a supersonic jet in a bounded space, B. A. Balanin, Vest. LGU 20 no. 7:157-159 '65. Theory of the turbulence of a twisted jet of incompressible liquid, M. S. Samoilov, Inzh.-fiz. zhur. 8 no. 3: 325-329 Mr '65.

Twisted fan-shaped jet, V. P. Kashkarov, Izv. AN SSSR, Mekh. no. 1:183-184 Ja-F '65.

## JEWELRY see subdivision under Azerbaijan

JEWELRY, GREEK see subdivision under 'Taman' Peninsula

## JEWELRY, INDIAN

The secrets of her charm. I. Arsen'eva. *Az. i Afr. seg.* 8 no. 4:50-60 Ap '65.

## JIDDA, SAUDI ARABIA—HISTORY

With Lenin's decree to Arabia. A. Stuprik. *Az. i Afr. seg.* 6 no. 4:11-16 Ap '65.

## JIGS AND FIXTURES

Universal jig bore. G. A. Logachev, I. A. Roitman. *Shkola i proizv.* 9 no. 4:60-63 Ap '65.

## JOHN, SAINT, APOSTLE

Christian love according to the scriptures of Apostle John the Divine. I. Giliashvili. *Zhur. Mosk. Pat.* no. 5 74-77 '65.

## JOINT TENANCY

V. F. Maslov's "Judicial practice on issues of joint ownership." *IU. Matveev. Rad. pravo* 28 no. 3:146-147 My-Je '65.

## JOINTS (ENGINEERING)

Calculating the maximum interval between expansion joints of large-panel buildings according to deformation. A. A. Finkel'shteyn. *Anal. prich. avar. i povr. stroit. kon.* no. 2:177-221 '61.

Designs of joints for precast reinforced concrete structures. E. M. Kaup. *Gidr. i mel.* 17 no. 2:32-38 F '65.

Function of the butt of the reinforced concrete columns of a multistory building. A. G. Guskil. *Prom. stroit. i inzh. soor.* 6 no. 2:25-28 Mr-Apr '64.

Improved joints for flumes. I. D. Suladze. *Gidr. i mel.* 17 no. 2:39-40 F '65.

Koklelov, V. N. [Nonferrous joints in marine engineering] *Nekruglye soedineniia v sudovom mashinostroenii.* Leningrad, Sudostroenie, 1965. 116 p.

Moscow. Universitet druzhby narodov. Kafedra "Konstruktsii detalей, uzlov mashin i mekhanizmov." [Abstracts of lectures in the course "Machine parts"] *Konsp. i lektsii po kursu "Detali mashin."* Moskva.

Pt. 1. Lectures 1-7 [General information. Joints] *Obshchie svedeniia. Soedineniia.* 1964. 80 p.

Pt. 2. Lectures 8-14. [Power transmissions] *Predachi.* 1964. 108 p.

### [MICROFILM]

New types of threaded joints for weighted drill pipes. N. D. Shcherbak. *Trudy VNIIT* no. 14:54-62 '65.

Practice in anticorrosion zincing of welded joints. E. I. Aricht, I. A. L. Mamut, S. S. Berlin. *Bet. i zhelebet.* 8 no. 6:249-252 Je '61.

Static strength of welded joints in elements of low-carbon steel. M. M. Sakharovskii. *Mut. po met. Postr.* no. 8:180-185 '64.

Strength and deformability of horizontal joints in large-panel buildings. G. A. Shapin, M. E. Sokolov. *Bet. i zhelebet.* 9 no. 5:265-267 Je '63.

Technology of sealing joints of panel buildings, under winter conditions, by concrete with a potash additive. I. A. Tokmakova. *Anal. prich. avar. i povr. stroit. kon.* no. 2:283-289 '64.

Zinav'ev, A. Ia. [New types of joints for precast reinforced concrete and mesh-reinforced concrete elements] *Novye vidy soedinenii sbornyykh zhelezobetonnykh i armirovannykh konstruktsii.* Leningrad, 1965. 25 p. [Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pechodovym opytom. Seriya. Stroitel'nye materialy i konstruktsii]

## JOINTS (ENGINEERING)—TESTING

Effect of the heterogeneity of the strength properties of welded joints on their tendency toward local fracture. K. V. Litubavskii and others. *Svar. proizv.* no. 3:8-11 Mr '65.

Rapid quantitative determination of the resistivity of metal to hot crack formation during welding. A. V. Russian, A. A. Sakharov. *Svar. proizv.* no. 3:11-13 Mr '65.

## JOINTS (ENGINEERING)—THERMAL PROPERTIES

Thermal conditions in air-penetrable joints. V. P. Titov. *Inzh.-fiz. zhur.* 8 no. 2:158-160 F '65.

## JOINTS—TUBERCULOSIS

Babich, B. K. [Fundamentals of compound functional treatment in osteoarticular tuberculosis] *Osnovy kompleksnoi funktsional'noi terapii pri kostno-sustavnom tuberkuloze.* Kiev, Zdorov'ia, 1965. 196 p. (DNLN)

## JONAS, FRANZ, 1800-

People and events. V. S. Emel'ianov. *Franz Jonas.* Nov. vrem. 23 no. 23:15, 26 Je '65.

## JOURNALISM

[An aid for beginning journalists; a textbook for worker and rural correspondents attending schools and universities] *V pomoshch' nachinalushchim zhurnalistam; uchebnoe posobie dlia slushatelei shkol i universitetov rabotnikov.* [Moskva] Izd-vo "Pravda," 1964. 358 p.

Composition of the contemporary newspaper sketch. S. I. Fursa. *O publits. i publits.* no. 1:55-66 '64.

Fact and publicism, remarks and thoughts. S. V. Smirnov. *O publits. i publits.* no. 1:3-28 '64.

For greater effectiveness of journalistic work. P. S. Karasev. *O publits. i publits.* no. 1:67-81 '64.

A journalist and time, reports of the participants of the meeting of journalists. V. Stepanov and others. *Sov. pech.* no. 4:7-13 Ap '65.

Lisvinov, N. G. [Problems of style in the Russian language; an aid for journalists] *Voprosy stilistiki russkogo yazyka; v pomoshch' rabotnikam pechati.* Izd. 2., pereb. i dop. Moskva, Mysl', 1965. 270 p.

Role of newspaper journalism in atheistic propaganda. A. Ia. Grebenshchikov. *O publits. i publits.* no. 1:12-54 '64.

What we have to worry about this Spring. *Sov. pech.* no. 4:1-3 Ap '65.

## JOURNALISM—BIBLIOGRAPHY see Bibliography—Journalism

## JOURNALISM—POLITICAL ASPECTS see subdivision under Cuba

## JOURNALISM—SOCIETIES, ETC. see subdivision under Perm, White Russia

## JOURNALISM—STUDY AND TEACHING

(see also subdivision under Lvov)

Take into consideration the type of work. V. Kutsenko. *Sov. pech.* no. 4:41-42 Ap '65.

## JOURNALISM, AGRICULTURAL see subdivision under Rostov Province

## JOURNALISM, MILITARY

The newspaper of a military division. P. T. Serev. *Sov. pech.* no. 4:25-27 Ap '65.

Pages and years. M. V. Vernikovskii. *Voenn. znab.* 41 no. 3:3-4 Mi '65.

So that the experience of the best may become the property of all. A. S. Gubnev, I. S. Syrovatkin. *Komm. Vozuzh. Sil.* 46 no. 7:89-92 Ap '65.

## JOURNALISM, SCIENTIFIC

Publicism in scientific articles. A. A. Maksimov. *O publits. i publits.* no. 1:30-41 '64.

## JOURNALISTS see subdivision under India; Tashkent

## JOURNALISTS—BIBLIOGRAPHY see Bibliography—Journalists

## JUDGES

(see also subdivision under Czechoslovakia)

People's assessors have the same rights as appointed judges. *Biul. Verkh. Suda* no. 2:7-14 '65.

Raise the standard of court work. N. Prusakov. *Sov. iust.* 29 no. 7:1-3 Ap '65.

We ourselves should do the judging. *Sov. iust.* 29 no. 6:1-3 Mi '65.

## JUDGMENT (LOGIC)

Psychological analysis of pathological reasoning. T. I. Tepent'syna. *Vop. klin., patol. i lech. shiz.* no. 1:138-139 '64.

## JUGLONE—THERAPEUTIC USE

Results of using juglone in neurodermatitis. K. A. Telegina. *Sov. med.* 28 no. 5:110-113 My '65.

## JUMPING PLANT LICE

New species of jumping plant lice (Homoptera, Psyllodea) of the U. S. S. R. M. M. Logina. *Zool. zhur.* 44 no. 2:196-209 '65.

## JUNCTION TRANSISTORS

Effect of an external electric field on the breakdown of p-n, p-n-p, and p-n-p-n structures. R. S. Nakhmanson. *Fiz. tver. tela* 7 no. 5:1556-1557 My '65.

Effect of impurities on the temperature dependence of a superconducting junction on pressure. Part 1. B. G. Lazarev and others. *Zhur. eksp. i teor. fiz.* 48 no. 4:1065-1070 Ap '65.

Optical method of forming a p-n junction. V. A. Drozdov, Sh. D. Kurmashev, A. L. Ryachev. *Dokl. AN SSSR* 162 no. 3:530-531 My '65.

Study of the transient characteristics of the restoration of reverse resistance in Si p-n junctions. Z. A. Iskender-Zade and others. *Dokl. AN Azerb. SSR* 21 no. 1:24-18 '65.

## JUPITER (PLANET)

Heat radiation of Jupiter. A. P. Naumov, I. P. Khizniakov. *Astron. zhur.* 42 no. 3:620-638 My-Je '65.

Nature of changes on the surface of Jupiter. S. K. Vekhvatskii. *Astron. zhur.* 42 no. 3:630-644 My-Je '65.

## JUSTICE, ADMINISTRATION OF

(see also subdivision under Donetsk Province; Europe, Western; Odessa Province)

The March Plenum of the Central Committee of the CPSU and our tasks. I. Pankratov. *Sots. zakon.* 42 no. 5:2-8 My '65.

Socialist legality is inviolable. I. Holovchenko, P. Mykhailenko. *Rad. pravo* 28 no. 2:18-21 Mr-Apr '65.

Sluchka, P. I. [Selected works on the Marxist-Leninist theory of law] *Izbrannye proizvedeniia po marksistsko-leninskoi teorii prava.* Riga, Latvinskoi gos. izd-vo, 1964. 748 p. (DS)

V. M. Gorenshnev's "Participation of social organizations in the rule by law." M. Vitiuk. *Rad. pravo* 28 no. 2, 149-150 Mr-Apr '65.

We ourselves should do the judging. *Sov. iust.* 29 no. 6:1-3 Mr '65.

## JUVENILE DELINQUENCY

(see also subdivision under Kharkov Province; Leningrad, Moscow; Syktyvkar, Ukraine)

A serious problem. S. S. Ostasov, M. M. Babaev. *Sov. gos. i pravo* 35 no. 5:138-141 My '65.

## JUVENILE LITERATURE see Children's Literature

## KABARDIANS

Documents on the uprising of the Kabardian and Chechen horsemen during the time of the Russo-Japanese War, 1904. Sh. B. Chimit-Dorzhiev. *Izv. Chech.-Ing. nauch.-issl. inst.* 3 no. 1:11-116 '63.

## KABARDINO-BALKAR A. S. S. R.—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Equip people with advanced practice. T. Mal'bakhov. *Part. zhizn'* no. 11:8-12 Je '65.

## KABARDINO-BALKAR A. S. S. R.—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Equip people with advanced practice. T. Mal'bakhov. *Part. zhizn'* no. 11:8-12 Je '65.

## KABARDINO-BALKAR A. S. S. R.—IRRIGATION

Mechanized automation irrigation along long strips. Kh. P. Gusalov, R. M. Khachetadze. *Gidr. i mel.* 17 no. 2:4-6 F '65.

## KABARDINO-BALKAR A. S. S. R.—MAN, PREHISTORIC

Fables instead of facts: more on the "snowman." S. I. Smuglyi. *Priroda* 54 no. 1:103-104 Ap '65.

## KABARDINO-BALKAR A. S. S. R.—OIL INDUSTRIES

From the work practices of the Prokhladny Oil Factory. M. P. Subbotin. *Maslozhur. prom.* 31 no. 3:46 Mr '65.

## KACHINSKI, NIKODIM ANTONOVICH, 1894-

Anniversary of Professor N. A. Kachinski. *Vest. Mosk. un. Ser. 6: Biol. pochn.* 20 no. 2:87-90 Mr-Apr '65.

## KADOBO GAS FIELD—GAS, NATURAL—GEOLOGY

Formation of the Kadobo gas field. O. K. Ivanov, M. Ia. Vul', V. M. Shchepak. *Dop. AN URSS* no. 4:510-511 '65.

## KADZHARAN (ARMENIA)—COPPER MINES AND MINING

Geological and structural conditions for the open-pit mining of the Kadzharan deposits. M. Srapionian, T. S. Abegian, A. Daniellian. *Prom. Arm.* 8 no. 3:44-48 Mr '65.

## KADZHARAN (ARMENIA)—MOLYBDENUM

Geological and structural conditions for the open-pit mining of the Kadzharan deposits. M. Srapionian, T. S. Abegian, A. Daniellian. *Prom. Arm.* 8 no. 3:44-48 Mr '65.

## KAINITE—ANALYSIS see subdivision under Carpathian Mountain region

## KAKHOVKA DISTRICT—AGRICULTURE—ACCOUNTING

Volunteer council for aid in accounting and reporting. *IU. Ugol'no. Vest. stat.* no. 5:60-63 '65.

## KAKHOVKA DISTRICT—VEGETABLE TRADE

It is difficult for the Kakhovka farmers to market vegetables... G. Kuzinov. *Zakup. sel'khoz. prod.* no. 3:39-40 Mr '65.

## KALBA RANGE—ROCKS, SEDIMENTARY

Conditions governing the formation of Upper Devonian and Lower Carboniferous sediments in the Kalba Range and southern Altai. A. Kh. Kagaymanov. *Izv. AN Kazakh. SSR. Ser. geol.* 22 no. 2:76-78 Mr-Apr '65.

## KALININ—ORNITHOSIS

Characteristics of an ornithosis outbreak in a poultry slaughterhouse. I. D. Neliubov. *Trudy TSU* 68:52-54 '61.

## KALININ PROVINCE—COLLECTIVE FARMS

More about native places. Leonid Ivanov. *Nov. mir.* 41 no. 2:181-212 F '65.

## KALININ PROVINCE—DUCKS—DISEASES AND PESTS

Ornithosis in domestic ducks on poultry farms in Kalinin Province. I. D. Neliubov. *Trudy TSU* 68:40-51 '64.



**KALININ PROVINCE—ENCEPHALITIS, EPIDEMIC**  
Birth and the role as fosterers of *Ixodes persulcatus* as a vector of the encephalitis in Kalinin Province. I. A. Grit, Z. M. Zhmaeva. D. I. Zhur. *Trudy zhur.* 44 no. 2 228-240 '65.

**KALININ PROVINCE—FLAX**  
The role of the flax in the life of the Kalinin flax. I. A. Grit, Z. M. Zhmaeva. *Trudy zhur.* no. 5-6 5-6 My '65.

**KALININ PROVINCE—FOREST REPRODUCTION**  
The role of the spruce in the clear-cuttings of the Kalinin Province. M. N. Gordeev. *Sbor. nauch. rab. asp. Soluz. NIKHI* no. 5 171-172 '65.

**KALININ PROVINCE—ORNITHOLOGY**  
The role of the waterfowl in the poultry farms in Kalinin Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININ PROVINCE—PRODUCE TRADE**  
The role of the produce trade in the Kalinin Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININ PROVINCE—RURAL CONDITIONS**  
The role of the rural conditions in the Kalinin Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININ PROVINCE—SOIL ACIDITY**  
The role of the soil acidity in the Kalinin Province. I. I. Lishvan, A. M. Volynets, N. L. Shilin. *Pochvovedenie* no. 5 47-49 '65.

**KALININ PROVINCE—SPRUCE**  
The role of the spruce in the clear-cuttings of the Kalinin Province. M. N. Gordeev. *Sbor. nauch. rab. asp. Soluz. NIKHI* no. 5 171-172 '65.

**KALININ PROVINCE—STOCK AND STOCKBREEDING**  
The role of the stock and stockbreeding in the Kalinin Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININGRAD—FISHERIES—ECONOMIC ASPECTS**  
The role of the fisheries in the Kaliningrad Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININGRAD—VIEWS**  
The role of the views in the Kaliningrad Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININGRAD PROVINCE—FISHERIES—PERIODICALS**  
The role of the fisheries in the Kaliningrad Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALININGRAD PROVINCE—PLANTS, ORNAMENTAL**  
The role of the plants, ornamental in the Kaliningrad Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALMYK A. S. S. R.—GEOGRAPHY**  
The role of the geography in the Kalmyk A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALMYKOV, IURII IVANOVICH**  
The role of the Kalmykov in the Kalmyk A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KALUGA PROVINCE—MILITARY EDUCATION**  
The role of the military education in the Kaluga Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMA RIVER—SHIPPING**  
The role of the shipping in the Kama River. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMA VALLEY—WATER, UNDERGROUND**  
The role of the water, underground in the Kama Valley. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—BOSCHNIAKIA**  
The role of the boschniakia in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—FISHERIES**  
The role of the fisheries in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—FISHING**  
The role of the fishing in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—FISHING**  
The role of the fishing in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—GEOLOGY**  
The role of the geology in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—GEOLOGY, STRUCTURAL**  
The role of the geology, structural in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—HUMUS**  
The role of the humus in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—MERCHAND MARINE**  
The role of the merchand marine in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—MERCHAND MARINE**  
The role of the merchand marine in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—NAMES, GEOGRAPHICAL**  
The role of the names, geographical in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—ORE DEPOSITS**  
The role of the ore deposits in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—ROCKS, IGNEOUS**  
The role of the rocks, igneous in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—SALMON**  
The role of the salmon in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMCHATKA—SOIL CHEMISTRY**  
The role of the soil chemistry in the Kamchatka. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMENSK-SHAKHTINSKIY (ROSTOV PROVINCE)—CIVIL DEFENSE—STUDY AND TEACHING**  
The role of the civil defense in the Kamensk-Shakhtinskiy. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMENSK-SHAKHTINSKIY (ROSTOV PROVINCE)—CIVIL DEFENSE—STUDY AND TEACHING**  
The role of the civil defense in the Kamensk-Shakhtinskiy. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMENSK-SHAKHTINSKIY (ROSTOV PROVINCE)—CIVIL DEFENSE—STUDY AND TEACHING**  
The role of the civil defense in the Kamensk-Shakhtinskiy. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAMYSIN DISTRICT—FOREST LITTER**  
The role of the forest litter in the Kamysin District. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KANDALAKSHA REGION (MURMANSK PROVINCE)—SPRING**  
The role of the spring in the Kandalaksha Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KANGELARI, V. A., 1884-**  
The role of the Kangelari in the Murmansk Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KANIN PENINSULA—GEOLOGY**  
The role of the geology in the Kanin Peninsula. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KANSATIN**  
The role of the kansatin in the Murmansk Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAOLIN**  
The role of the kaolin in the Murmansk Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KAOLINITE—ADSORPTIVE PROPERTIES**  
The role of the kaolinite in the Murmansk Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA-KALPAK A. S. S. R.—CORN (MAIZE)—DISEASES AND PESTS**  
The role of the corn (maize) in the Kara-Kalpak A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA-KALPAK A. S. S. R.—CORN (MAIZE)—DISEASES AND PESTS**  
The role of the corn (maize) in the Kara-Kalpak A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA-KALPAK A. S. S. R.—COTTON—DISEASES AND MANURES**  
The role of the cotton in the Kara-Kalpak A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA-KALPAK A. S. S. R.—COTTON GROWING**  
The role of the cotton growing in the Kara-Kalpak A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA-KALPAK A. S. S. R.—LYNX**  
The role of the lynx in the Kara-Kalpak A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA-KALPAK A. S. S. R.—RICE**  
The role of the rice in the Kara-Kalpak A. S. S. R. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA KUM—SAND**  
The role of the sand in the Kara Kum. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA KUM CANAL**  
The role of the Kara Kum Canal. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA KUM CANAL REGION—BIRD LICE**  
The role of the bird lice in the Kara Kum Canal Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARA KUM CANAL REGION—PARASITES—COYLS**  
The role of the parasites in the Kara Kum Canal Region. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARABAGHI STEPPE—MARL**  
The role of the marl in the Karabaghi Steppe. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARACHAY-CHEKESK AUTONOMOUS PROVINCE—HISTORY**  
The role of the history in the Karachay-Cherkess Autonomous Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARADAG DISTRICT—ROCKS, CARBONATE**  
The role of the rocks, carbonate in the Karadag District. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAGANDA—CERAMIC MATERIALS**  
The role of the ceramic materials in the Karaganda. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAGANDA BASIN—COAL MINES AND MINING**  
The role of the coal mines and mining in the Karaganda Basin. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAGANDA BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY**  
The role of the labor productivity in the Karaganda Basin. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAGANDA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**  
The role of the Communist Party of the Soviet Union in the Karaganda Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—MANAGEMENT**  
The role of the construction industry in the Karaganda Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAGANDA PROVINCE—STATE FARMS**  
The role of the state farms in the Karaganda Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAKUL SHEEP**  
The role of the Karakul sheep in the Karaganda Province. I. D. Melnikov. *Trudy TSU* 68-69-51 '64.

**KARAMAZAR MOUNTAINS—BEAVERITE**

Beaverite from the Altyr-Topkan deposit. M. R. Tolkachev. Nauch. trudy TashGU no. 249 Geol. nauki no. 21:36-39 '61.

**KARAMAZAR MOUNTAINS—ORE DEPOSITS**

Conditions governing the distribution and genesis of mineralization in the Saubulak zone. N. I. Dzhanatyanov. Uzb. geol. zhur. 9 no. 1:49-55 '65.

Some characteristics of the distribution of mineralization in the volcanic formations of the Karamazar Mountains. S. M. Babakhodjaev, V. P. Bazil'. Uzb. geol. zhur. 9 no. 1:35-40 '65.

**KARAMAZAR MOUNTAINS—PETROLOGY**

Petrographic characteristics of Middle and Upper Devonian elastic rocks in the northern Karamazar Mountains. E. L. Abramovich. Uzb. geol. zhur. 8 no. 5:29-36 '64.

**KARATAU—CHALCEDONY**

Epigenetic deposits of commercial chalcedony in the sedimentary carbonate formations of the Lower Carboniferous of the southeastern Karatau. L. I. Salish. Nauch. trudy TashGU no. 249 Geol. nauki no. 21:127-132 '64.

**KARATAU (MANGYSHLAK PENINSULA)—GEO-MORPHOLOGY**

Role of horizontal movements in the formation of the Upper Triassic structure of the Mangyshlak Karatau. V. G. Trifonov, P. V. Florenskii, A. E. Shlezinger. Geotektonika no. 2:47-57 Mr-Apr '65.

**KARATEGIN RANGE—FLUORSPAR**

Formation of fluorite veins in connection with metasomatic mineralization in the southern part of the Gissar and Karategin Ranges (southern Tien Shan). A. Kh. Khasanov, A. R. Faiziev. Dokl. AN SSSR 162 no. 4:924-924 Je '65.

**KARATURGAY VALLEY—DIABASE**

Karaturgay picrite-diabase complex in Kazakhstan and some problems in the petrology of picrites. N. P. Mikhailov, I. U. L. Semenov. Sov. geol. 8 no. 3:43-58 '65.

**KARBYSHYEV, DMITRII MIKHAILOVICH, 1880-1945**

Immortal image of fortitude and heroism for Soviet Army Day. E. Poltschuk. Nauch. shkola 33 no. 2:7-9 F '65.

**KARELIA—FELDSPAR**

New source of quartz-feldspar raw materials in Karelia. A. S. Pokki, L. P. Sviridenko. Stek. i ker. 22 no. 4:10-11 Ap '65.

**KARELIA—FURNITURE INDUSTRY**

Lashchayev, S. M. [Specialization of the furniture factories in the Karelian A.S.S.R.]. Spetsializatsia mebel'nykh predpriyatiy Karelskoi ASSR. Moskva, Tsentr. nauchno-issl. i in-formatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevo-obrabatovushchei promyshl. i lesnomu khoz., 1964. 32 p. (Derevobrabotka) [MICROFILM]

**KARELIA—GEOLOGY**

Bulakh, A. G. [Geological excursion to the environments of Pilykharanta]. Geologicheskaya ekskursiya v okrestnosti Pilykharanta. Petrozavodsk, Gos. izd-vo KASSR, 1961. 107 p. illus., maps. (NNC)

**KARELIA—MINK FARMING**

Effect of multiple pairing on the productivity of mink. A. T. Bun'ko. Nauch. dokl. vys. shkoly; biol. nauki no. 2:190-192 '65.

**KARELIA—PEAT BOGS**

Bogs on the White Sea shore of Karelia. G. A. Ellina, T. K. Iurkovskaya. Bot. zhur. 50 no. 4:486-497 Ap '65.

**KARELIA—SOIL FERTILITY**

Akademiya nauk SSSR. Karelskii filial. [Fertility of soils in Karelia]. Plodorodie pochv Karelii. Moskva, Nauka, 1965. 182 p. (DNAL)

**KARELIA—QUARTZ**

New source of quartz-feldspar raw materials in Karelia. A. S. Pokki, L. P. Sviridenko. Stek. i ker. 22 no. 4:10-11 Ap '65.

**KARELIA—ROCKS—ELECTRIC PROPERTIES**

Effect of high pressure on the elastic properties of rock samples collected along the outline of the area of deep seismic sounding in northern Karelia. M. P. Volarovich, E. I. Baluk, N. E. Galdin. Izv. AN SSSR. Fiz. zem. no. 1:109-115 '65.

**KARELIA—TESTING LABORATORIES**

In the Karelian State Testing Laboratory. A. G. Korfeikin. Standartizatsia 20 no. 3:54-55 Mr '65.

**KARPENKO, NIKOLAI MITROFANOVICH, 1905-1964**

Nikolai Mitrofanovich Karpenko; obituary. Burenje no. 11:10 '64.

KARST see subdivision under Kelasuri Valley, Kodori Valley; Lechkhumi region (Georgia), Moldavia; Rumania; Sayan Mountains, Tsel'va region (Georgia)

**KARYOKINESIS**

Analysis of the karyotype of *Agapanthus umbellatus* L'Herit (Amaryllidaceae). A. I. Pogossian. Izv. AN Arm. SSR. biol. nauki 18 no. 3:90-93 Mr '65.

Change in the rate of chromosome reorganization induced by ethylenimine in the first mitosis of pea rootlets. S. A. Gostimskii, V. V. Khvostova. Dokl. AN SSSR 162 no. 1:197-200 My '65.

Mitotic activity of the liver in rats following various surgical interventions. V. F. Sidorova. Biol. eksp. biol. i med. 59 no. 4:95-98 Ap '65.

Repair of the mitotic activity of the brain ependyma in the embryos of rats following X-ray irradiation. D. A. Val'shtrom. Dokl. AN SSSR 161 no. 4:955-957 Ap '65.

Study of the mitotic cycles in some epithelial tissues of mice under the influence of estrone. O. I. Epifanova. Arkh. anat., gist. i embr. 46 no. 4:27-37 Ap '64.

**KASHINO (MOSCOW PROVINCE)—COLLECTIVE FARMS—PENSIONS**

Yesterday and today of the Kashino village. N. Pozdnitakov. Sois. obsp. 26 no. 4:6-8 Ap '65.

**KAUNAS HYDROELECTRIC POWER STATION—EARTH DAMS**

Ediger, N. I. [Earth dams of the Kaunas Hydroelectric Development]. Zemlianye platiny Kaunasskogo gidroelektr. Moskva, Energiya, 1964. 64 p. (Materialy k tekhnicheskoi otchetu i stroitel'stvo Kaunasskoi gidroelektr. stantsii)

**KAZAKH LANGUAGE**

Akademiya nauk Kazakhskoi SSR, Alma-Ata, Institut jazykoznanija. [Studies on the history of the Kazakh language]. Kazakh tilini tarikhly turaly zertteuler. Almaty, Gyl'm, baspasy, 1965. 253 p. [In Russian and Kazakh]

**KAZAKH LANGUAGE—SENTENCES**

Distributive analysis of complex sentences in the Kazakh language. Kh. M. Esenov. Vest. AN Kazakh SSR 21 no. 3:75-84 Mr '65.

**KAZAKHSTAN—BERTRANDITE**

Bertrandite-bearing granites and gneisses in Kazakhstan. K. D. Subbotin, L. V. Ganzeeva. Sov. geol. 8 no. 3:113-115 '65.

**KAZAKHSTAN—BOTANY**

[Flora of Kazakhstan]. Flora Kazakhstana. Glav. red. N. V. Pavlov. Sost. A. N. Vasil'eva i dr. Alma-Ata, Nauka, Vol. 8, 1965. 444 p.

**KAZAKHSTAN—BUDGET**

State budget and its role in the distribution of the national income of the Republic. T. Tulebaev. Vest. AN Kazakh SSR 21 no. 4:34-43 Ap '65.

**KAZAKHSTAN—CIVIL LAW**

Kazakh S. S. R. Laws, statutes, etc. [Civil Code of the Kazakh S. S. R.]. Grazhdanskii kodeks Kazakhskoi SSR. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 318 p.

**KAZAKHSTAN—CIVIL PROCEDURE**

Kazakh S. S. R. Laws, statutes, etc. [Civil Procedure Code of the Kazakh S. S. R.]. Grazhdanskii protsessual'nyi kodeks Kazakhskoi SSR. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 271 p.

**KAZAKHSTAN—COAL—ANALYSIS**

Some characteristics of the distribution of admixture elements in the coals of the Alakul deposit. T. M. Arizov. Izv. AN Kazakh SSR, Ser. geol. 22 no. 2:51-57 Mr-Apr '65.

**KAZAKHSTAN—COAL MINES AND MINING**

Bratchenko, B. V., ed. [Mining of coal deposits in Kazakhstan]. Razrabotka ugol'nykh mestorozhdenii Kazakhstana. Moskva, Nedra, 1965. 292 p.

**KAZAKHSTAN—COLLECTIVE FARMS**

In close contact with families which are under [statistical] investigation. A. Kononov. Vest. stat. no. 5:65-68 '65.

**KAZAKHSTAN—CONSERVATION OF NATURAL RESOURCES**

Kazakh S. S. R. Upravlenie okhotnich'ego khozaistva i zapovednikov. [Preserves of Kazakhstan; essays]. Zapovedniki Kazakhstana; ocherki, 2. izd. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 134 p.

**KAZAKHSTAN—CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR**

Buildings demands to be used. B. Ivanov. Nar. khoz. Kazakh 23 no. 4:50-53 Ap '65.

**KAZAKHSTAN—CONSTRUCTION INDUSTRY—ACCOUNTING**

Machine accounting is introduced with difficulty. K. Mekhanoshin. Nar. khoz. Kazakh 23 no. 4:61-63 Ap '65.

Minister's orders and reality. A. Arapov, V. Shipulin, I. Vasil'chev. Nar. khoz. Kazakh 23 no. 1:54-57 Ap '65.

**KAZAKHSTAN—CONSTRUCTION INDUSTRY—MANAGEMENT**

Practical plan is a guarantee of success. I. Golovchanski. Nar. khoz. Kazakh 23 no. 4:66-69 Ap '65.

**KAZAKHSTAN—COTTON—IRRIGATION**

Effect of the irrigation method on the development of the root system in cotton. E. E. Uzenbaev. Vest. sel'khoz. nauki [Kazakh] 8 no. 4:113-115 Ap '65.

**KAZAKHSTAN—CUTWORMS**

Characteristics of the development of the cutworm *Hadena sordida* Bkh. in wheat fields and uncultivated steppe. S. G. Bobinskaya. Trudy Vses. ent. ob-va 50:162-169 '65.

**KAZAKHSTAN—DESERT ECOLOGY**

Animal world of a sand desert. N. N. Drozdov. Priroda 54 no. 4:71-77 Ap '65.

**KAZAKHSTAN—DIKES (GEOLOGY)**

Regular manifestation of inter-dike in the history of the formation of the Karacha deposit. V. K. Denisov. Dokl. AN SSSR 162 no. 4:883-886 Je '65.

**KAZAKHSTAN—ECONOMIC CONDITIONS**

Alma-Ata, Narodnokhoziaistvennaya vystavka Kazakhskoi Sovetskoi Sotsialisticheskoi Respubliki. [Guide to the Exhibition of the National Economy of the Kazakh Soviet Socialist Republic]. Zhon. slitsoushi. Almaty, 1961. 156 p. [In Kazakh and Russian]

Economic development of Kazakhstan during the period of the establishment of the material and technical bases of communism. S. B. Baishiev, T. V. Checheleva. Vest. AN Kazakh SSR 21 no. 3:40-51 Mr '65.

**KAZAKHSTAN—EPIDEMIOLOGY**

Basic results of the study of Q fever epidemiology in Kazakhstan. I. K. Karakulov, Zhur. mikrobiol., epid. i immun. 42 no. 4:53-57 Ap '65.

**KAZAKHSTAN—FINANCE**

Control through the ruble. P. Efremov. Nar. khoz. Kazakh. 23 no. 4:9-15 Ap '65.

**KAZAKHSTAN—FRIT FLIES**

Fauna of frit flies (Diptera, Chloropidae) of wheat fields and virgin steppes in the northern provinces of Kazakhstan. A. I. Karpova. Trudy Vses. ent. ob-va 50:73-85 '65.

**KAZAKHSTAN—GAS, NATURAL**

New oil and gas resources of Kazakhstan at the service of communism. I. Isakuzhin. Neftianik 8 no. 5:25-26 My '63.

**KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC**

Continental Cenozoic sediments in southern Kazakhstan. N. N. Kostenko. Nauch. trudy TashGU no. 249 Geol. nauki no. 21:164-184 '64.

**KAZAKHSTAN—GNEISS**

Gneiss of the Zheldy-tau (Central Kazakhstan). I. I. Vishnevskaya. Izv. vys. ucheb. zav., geol. i razv. 7 no. 11:42-48 N '64.

**KAZAKHSTAN—HISTORY**

Chimkent. Gosudarstvennyi pedagogicheskiy institut. Kazakhskaya marksizma-leninizma. [Studies; collection of articles devoted to the 40th anniversary of the Kazakh S. S. R.]. Uchenye zapiski; sbornik statei, posvyashchen-nykh 40-letiyu Kazakhskoi SSR. Chimkent, 1960. 220 p. [In Russian and Kazakh] [MICROFILM]

**KAZAKHSTAN—HOME ECONOMICS—ACCOUNTING**

In close contact with families which are under [statistical] investigation. A. Kononov. Vest. stat. no. 5:65-68 '65.

**KAZAKHSTAN—HORSES**

Acclimatization of trotter breeds in Northern Kazakhstan. P. A. Fedotov. Vest. sel'khoz. nauki [Kazakh.] 8 no. 4:26-34 Ap '65.

Increase horse meat production in Kazakhstan. V. I. Mosn-kin. Ekon. sel'khoz. 40 no. 5:104-107 My '65.

**KAZAKHSTAN—IRRIGATION FARMING**

Use of land with an irrigation network; an exemplified by the Kazakhstan-Kirovo Irrigation System. S. I. Miasishchev. Trudy VNIIGM 44:16-22 '64.



#### KERCH PENINSULA—ORE DRESSING—EQUIPMENT AND SUPPLIES

Operation of the central air lift of the washing towers at the Kamysh-Burun iron ore combine. E. E. Sergo, N. A. Maletskii. Met. i gornorud. prom. no. 2:63-64 Mr-Apr '65.

#### KERCH PENINSULA—SULFUR

Sulfur on the Dzhan-Tepe mud volcano (Kerch Peninsula). M. R. Ladyzhenskii, A. M. Plotnikov, V. A. Hordievich. Dop. AN URSR no. 5:640-613 '65.

#### KEROSENE

Determination of butyl phosphoric acids, tributyl phosphate, and kerosene when present together in aqueous solutions. A. N. Pukhontov and others. Zhur. anal. khim. 20 no. 3:372-374 '65.

Hydrofining a kerosene fraction. I. L. Drabkina and others. Nefteper. i neftekhim. no. 4:14-16 '65.

#### KETENE

Bis (trifluoromethyl) ketene anil. N. F. Gambarian and others. Izv. AN SSSR Ser. khim. no. 4:749-750 '65.

Case of  $\gamma$ -pyrone ring formation in the reaction of diketene with urea derivatives. V. I. Guna, S. I. Zaytseva. Izv. AN SSSR, Ser. khim. no. 4:747-748 '65.

Reaction of esters of antimonous acid with ketene. V. I. Foss, E. A. Besolova, I. F. Lutsenko. Zhur. ob. khim. 35 no. 4:759-760 Ap '65.

#### KETMEN' RANGE REGION—BARK BEETLES—EXTIRMINATION

Chemical methods for controlling the stem pests of the Schrenk spruce. Zh. D. Ismukhambetov. Vest. sel'khoz. nauki [Kazakh] 8 no. 4:111-113 Ap '65.

#### KETMEN' RANGE REGION—SPRUCE—DISEASES AND PESTS

Chemical methods for controlling the stem pests of the Schrenk spruce. Zh. D. Ismukhambetov. Vest. sel'khoz. nauki [Kazakh] 8 no. 4:111-113 Ap '65.

#### KETONES

Content of lipids and ketone bodies in the liver, blood and urine of cattle as related to their age. S. I. Kusen', V. N. Ivanovych. Ukr. biokhim. zhur. 37 no. 1:122-130 '65.

Interaction of hydrogen sulfide with  $\beta$ -methoxy ketones in the presence of sulfuric acid. S. A. Vartanian, A. S. Noravlian, V. N. Zhamagortsin. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:124-125 '65.

Oxidation of n-butylens to methyl ethyl ketone in the presence of a palladium chloride catalyst. T. P. Vishnukova and others. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 7 no. 6:880-882 '65.

Polarographic behavior of polyhydrogen organic compounds. Reduction of methyl pentachloroethyl ketone. E. A. Kozlov, S. Isabekian, A. Durgarian. Izv. AN Arm. SSR. Khim. nauki 18 no. 1:114-117 '65.

Polarographic study of unsaturated ketones. Part 3: Structure and reactivity of aromatic  $\alpha$ ,  $\beta$ -unsaturated ketones (Use of correlation equations). V. D. Bezuglyi, V. F. Lavrushin, G. G. Belous. Zhur. ob. khim. 35 no. 4:606-613 Ap '65.

Reactivity of aliphatic ketones. L. K. Obukhova. Neftekhim. 5 no. 1:87-100 Ja-F '65.

Reactivity of  $\beta$ -diketone anions. E. I. A. Gren, G. V. Vana. Zhur. org. khim. 1 no. 1:7-13 Ja '65.

Relative reactivity of cyclopentanone, cyclohexanone, and alkylcyclohexanones in the reaction of radical addition of  $\alpha$ -olefins. G. I. Nikishin, G. V. Somov. Izv. AN SSSR. Ser. khim. no. 5:876-882 '65.

#### KHABAROVSK—HARBOR

Year-round operation of a port. L. Kuz'min, A. Nekrasov. Rech. transp. 24 no. 3:28 '65.

#### KHABAROVSK—LOADING AND UNLOADING

Use of hydraulic machinery in the river port of Khabarovsk. A. Potov. Rech. transp. 24 no. 4:22-23 '65.

#### KHABAROVSK TERRITORY—FAULTS (GEOLOGY)

Transverse faults as revealed by a study in the Koryak fold area. B. M. Chikov. Dokl. AN SSSR 161 no. 6:1397-1399 Ap '65.

#### KHAIRULIN, GALI

Recommendation. T. Stepanchuk. Voen. znan. 41 no. 5:8 My '65.

#### KHANISTSKALI VALLEY—HYDROLOGY

Hydrology of the Khanistkali Basin. T. Z. Kikloashvili, I. S. Apkhazava. Trudy Geog. ob-va Gruz. SSR 7:110-139 '63.

#### KHARAU LA KH RANGE—CINNABAR

Presence of elastic cinnabar and ludwigite in the Upper Paleozoic rocks of the northern Kharaulakh Range. M. D. Bulgakova. Dokl. AN SSSR 162 no. 4:911-912 Je '65.

#### KHARAU LA KH RANGE—GEOLOGICAL TIME

Middle Carboniferous age in boundary layers of the Tiks and Verkhoyansk series of the Kharaulakh Mountains in the lower Lena Valley. V. N. Andrianov, M. D. Bulgakova. Dokl. AN SSSR 162 no. 1:155-157 My '65.

#### KHARAU LA KH RANGE—LUDWIGITE

Presence of elastic cinnabar and ludwigite in the Upper Paleozoic rocks of the northern Kharaulakh Range. M. D. Bulgakova. Dokl. AN SSSR 162 no. 4:911-912 Je '65.

#### KHARICHKOV, KONSTANTIN VASIL'EVICH, 1865-1921

Outstanding scientist chemist-petroleum engineer K. V. Kharichkov. A. Z. Dorogochinskii, M. N. Zhavoronkov. Izv. vys. ucheb. zav. i nef. i gaz. 8 no. 4:115-117 '65.

#### KHARKOV—AERONAUTICAL SPORTS

On the wings of a dream. V. Panich. Kiy. rod. 16 no. 3:10 Mr '65.

#### KHARKOV—BRIQUETS

A canon presses briquets. E. Muslin. Izobr. i rats. no. 5:9-11 '65.

#### KHARKOV—CIVIL DEFENSE—STUDY AND TEACHING

When people are trained. V. Zhilin. Voen. znan. 41 no. 5:27 Je '65.

#### KHARKOV—ELECTRIC EQUIPMENT INDUSTRY

Standard unit equipment manufactured by the Kharkov electromechanical plant. V. M. Berlevskii. Gor. zhur. no. 4:54-56 Ap '65.

#### KHARKOV—EMPLOYEES, DISMISSAL OF

An important guaranty protecting the right to work. H. Honcharova. Rad. pravo 28 no. 3:79-83 My-Je '65.

#### KHARKOV—EVIDENCE, EXPERT

Evaluation of the conclusion of an expert opinion in an automobile case. M. Romanov. Rad. pravo 28 no. 2:56-58 Mr-Apr '65.

#### KHARKOV—PHARMACY—STUDY AND TEACHING

Role of the department of pharmacy and pharmacognosy of the Kharkov University and of its laboratories in the development of scientific and practical pharmacy. M. I. Borysov, M. M. Lytvynenko. Farmats. zhur. 19 no. 1:71-74 '64.

#### KHARKOV—PHYSIOLOGY—RESEARCH

History and the contribution to science of the Department of Normal Physiology of the Kharkov Medical Institute for the period between 1805 and 1926. V. P. Skalozub. Trudy Khar. med. inst. no. 36:87-97 '57.

#### KHARKOV—TRACTOR INDUSTRY—LABOR PRODUCTIVITY

Uplift in the work of Kharkov tractor builders after the 22d Congress of the CPSU. B. O. Blokh, A. I. Epshteyn. Ukr. ist. zhur. 8 no. 8:81-84 N-D '64.

#### KHARKOV—TRADE UNIONS

An important guaranty protecting the right to work. H. Honcharova. Rad. pravo 28 no. 3:79-83 My-Je '65.

#### KHARKOV—TRAFFIC ACCIDENTS

Evaluation of the conclusion of an expert opinion in an automobile case. M. Romanov. Rad. pravo 28 no. 2:56-58 Mr-Apr '65.

#### KHARKOV—WOMEN IN AERONAUTICS

On the wings of a dream. V. Panich. Kiy. rod. 16 no. 3:10 Ma '65.

#### KHARKOV ECONOMIC REGION—BONUS SYSTEM

Merits and demerits of the new bonus system. P. Zmaga. Sole. trud. 10 no. 2:4-8 '65.

#### KHARKOV PROVINCE—EDUCATION

In the Ministry of Education of the Ukrainian S. S. R. Rad. shk. 43 no. 4:109-111 Ap '65.

#### KHARKOV PROVINCE—JUVENILE DELINQUENCY

Prosecutors struggle together with the public against juvenile delinquency. O. Mylii. Rad. pravo 28 no. 2:50-53 Mr-Apr '65.

#### KHARKOV PROVINCE—PUBLIC PROSECUTORS

Prosecutors struggle together with the public against juvenile delinquency. O. Mylii. Rad. pravo 28 no. 2:50-53 Mr-Apr '65.

#### KHAUZ-KHANA RESERVOIR—BIRDS

Avifauna of Khauz-Khana Reservoir and its banks in fall. A. N. Sukhinin, A. O. Tashliev. Izv. AN Turk. SSR, Ser. biol. nauk no. 2:51-56 '65.

#### KHERSON—PUBLIC HEALTH

I. I. Mechnikov and the sanitary organization of Kherson. A. V. Sorokina. Zhur. mikrobiol., epid. i immun. 42 no. 4:148-151 Ap '65.

#### KHERSON PROVINCE—BRONZE AGE

New founder's workshop of the late Bronze epoch in Kherson Province. A. M. Leskov. Krat. soob. Inst. arkheol. no. 103:61-66 '65.

#### KHERSON PROVINCE—COMPLAINTS (CRIMINAL PROCEDURE)

Our remarks on E. Stepanov's article. P. Selyvanenko. Rad. pravo 28 no. 3:107-108 My-Je '65.

#### KHERSON PROVINCE—COURTS

Mutual assistance of the organs of the procuracy and the courts in their work. V. Shuturnynskiy, V. Hrekov. Rad. pravo 28 no. 2:111-112 Mr-Apr '65.

#### KHERSON PROVINCE—FOUNDRIES—EQUIPMENT AND SUPPLIES

New founder's workshop of the late Bronze epoch in Kherson Province. A. M. Leskov. Krat. soob. Inst. arkheol. no. 103:61-66 '65.

#### KHERSON PROVINCE—PRIVATE PROSECUTORS

Our remarks on E. Stepanov's article. P. Selyvanenko. Rad. pravo 28 no. 3:107-108 My-Je '65.

#### KHERSON PROVINCE—PUBLIC PROSECUTORS

Mutual assistance of the organs of the procuracy and the courts in their work. V. Shuturnynskiy, V. Hrekov. Rad. pravo 28 no. 2:111-112 Mr-Apr '65.

#### KHODZHIABAD REGION (UZBEKISTAN)—PETROLEUM PRODUCTION—MAPS

Methods for compiling an oil-yield map. A. V. Mavlanov. Uzb. geol. zhur. 8 no. 5:76-77 '64.

#### KIDNEY FUNCTION TESTS

Effect of cortisone and prednisone on water-salt metabolism and the renal function in dogs. I. U. I. Ivanov. Probl. endok. i gorm. 11 no. 1:92-95 Ja-F '65.

Some data on the study of the functional state of the kidneys in elderly and senile persons with moderate clinical manifestations of general atherosclerosis, preliminary report. E. G. Kalinovskaya, R. V. Vasil'eva. Vop. geron. i geriat. 4:213-127 '65.

Study of the effect of plasma-substituting solution of polyvinyl on the renal function in dogs. I. M. Khlebnikova. Pat. fiziol. i eksp. terap. 9 no. 2:70-71 Mr-Apr '65.

#### KIDNEYS—BLOOD SUPPLY

Renal blood flow in experimental hypertension of central nervous system origin due to "severing" of higher nervous activity. L. D. Khalifeeva. Fiziol. zhur. [Ukr.] 9 no. 1:123-125 Ja-F '63.

#### KIDNEYS—DISEASES

(see also subdivision under Amur Province) Changes in kidney function in late pregnancy toxemia. L. V. Kolomeichuk. Akush. i gin. 40 no. 5:569-72 S-O '61. Clinical characteristics of myocardial and kidney lesions in food poisoning of salmonella etiology. V. F. Mashlov. Trudy TSU 68:173-176 '64.

Mechanism of functional and morphological renal changes in radiation sickness Po<sup>210</sup> in rats treated with unithiol. Z. I. Poluboturova, V. N. Strel'tsova. Med. rad. 9 no. 7:22-27 Ji '64.

Vessels of the fundus oculi in pregnancy nephropathy based on photoacoustic data. N. P. Belov, Akush. i gin. 40 no. 5:565-69 S-O '64.

#### KIDNEYS—INNERVATION

Neural structures of the human kidneys. H. B. Abaikov, I. N. Boichenko. Dop. AN URSR no. 5:666-669 '65.

#### KIDNEYS—SURGERY

Surgical treatment of nephrogenous hypertension and its results. A. I. Pytel'. Vest. khir. 84 no. 2:13-15 F '65.

#### KIDNEYS—TUBERCULOSIS

Treatment and cure of renal tuberculosis. I. M. Epshteyn. Sov. med. 28 no. 1:85-90 Ja '65.

#### KIEV—ART—EXHIBITIONS

Guarding the peace. P. I. Novitskiy. Rad. shk. 44 no. 5:34-37 My '65.

#### KIEV—BOTANICAL GARDENS

Lilac garden. F. M. Skuratov. Priroda 44 no. 5:100-110 My '65.

#### KIEV—CIVIL DEFENSE

A women worker at the "Arsenal" factory. F. Moskalev. Voen. znan. 41 no. 3:14-15 Mr '65.

#### KIEV—CONSTRUCTION INDUSTRY—ACCOUNTING

Centralizing accounting in an enterprise. N. I. Ateura. Buhg. uch. 21 no. 10:19-21 O '64.

#### KIEV—CRIMINAL INVESTIGATION

Preparation of reports is an important part of an investigator's work. M. Zavoitskiy, O. Guznayev. Rad. pravo 28 no. 2:54-55 Mr-Apr '65.

#### KIEV—ELECTRIC EQUIPMENT INDUSTRY

Perfectly organized plant. I. A. Liubimov. Inform biul. VDNKH no 10-3-5 O '63.

#### KIEV—HISTORICAL LIBRARIES

25 years of the State Historical Library of the Ukrainian S S R. B. H. Semenov. Ukr ist. zhur 8 no 6 147-149 N-D '64.

#### KIEV—LILACS

Lilac garden. F. M. Skutskov. Priroda 54 no. 5:109-110 My '65.

#### KIEV—MALT EXTRACTS

pave the way to the production of malt extracts. I. Shakin. Ekon. Rad. Ukr 8 no 4 86 Ap '65.

#### KIEV—MEDICAL JURISPRUDENCE

Fifteenth anniversary of the Kiev Branch of the Ukrainian Scientific Society of Forensic Medicine Experts and Criminalists. I. P. Shchuprik. Sud-med. ekspert 8 no 1 62-63 Ja-Mr '65.

#### KIEV—SHOOTING

Victor Petrov shoots. B. Alekseev. Voen. znani 41 no 3 40 Mr '65.

#### KIEV—VEGETABLE TRADE

Convenient form of selling vegetables. A. Zolchenko. Sov. torg 38 no 5:29-30 My '65.

#### KIEV PROVINCE—STATISTICS

Kiev (Province) Statisticheskoe upravlinnia. [Economy of Kiev Province, a statistical abstract.] Narodne hospodarstvo Kyivs'koi oblasti, statistychnyi zbirnik. Kyiv, Derzh. stat. vyd-vo, 1960. 255 p. [MICROFILM]

#### KIEV REGION—POULTRY

Possibilities for increasing the production of eggs and poultry meat in the suburban zone of Kiev. N. M. Rozdobud'ko. Trudy mol. uch. UASHN no 9 98-102 '63.

#### KIEV REGION—VEGETABLE GARDENING

Pashkiv's'kyi, A. I. [On the Veselyi Maldan Farm.] Na Veselomu Maldani. Kyiv, Molod', 1964. 49 p. (DNAL)

#### KILNS—SAFETY MEASURES

Petrova, A. N. [Safety manual for the brick kiln charger and drawer.] Pamiatka po tekhnike bezopasnosti dlia sadchika i vystavshchika kirpicha. Moskva, Stroiizdat, 1965. 22 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

#### KILNS, ROTARY—DESIGN AND CONSTRUCTION

Operation of a rotary kiln with a stationary preheater. P. A. Vasilevskii, N. P. Mironov. Ogneupory 30 no. 3: 7-10 '65.

#### KIMBERLITE

Find of accessory datolite in association with kimberlites. I. T. Kozlov, G. M. Muzyka, G. I. Smirnov. Min. sbor. 18 no. 2:207-210 '64.

#### KIMRY (KALININ PROVINCE)—FURNITURE INDUSTRY—FINANCE

From an unprofitable one to a highly profitable one. A. Gribanov. Fin. SSSR 39 no. 5:40-50 My '65.

#### KINDERGARTENS

In one of the many. T. Pushkina. Doshk. vosp. 38 no. 1: 70-73 Ja '65.

#### KINEMATICS OF MACHINERY see Machinery, Kinematics of

#### KINESHMA (IVANOVO PROVINCE)—TEXTILE INDUSTRY—PRODUCTION STANDARDS

Bypassing the factory committee. G. Zharov, V. Chelyshev, S. Grudin. Sov. profsoyuzy 21 no. 11: 20-21 Je '65.

#### KINESHMA DISTRICT—SOILS

Soils in the trans-Volga area of the Kineshma Agricultural Administration of Ivanovo Province and ways for increasing their fertility. A. N. Baranov, I. D. Karashov. Shor. nauch. trud. Ivan. sel'khoz. inst. no. 21:46-50 '63.

#### KINETIC THEORY OF GASES see Gases, Kinetic theory of

#### KIREENKO, VASILII IOSIFOVICH, 1910-1965

V. I. Kireenko, obituary. Sov. pedagog. 29 no. 5:158 My '65.

#### KIRGHIZISTAN—ADULT EDUCATION

Activity of the Communist Party of Kirghizistan in developing the cultural and educational work among

#### KIRGHIZISTAN—AUXILIARY POLICE

Dzhumusaliev, Malabai, and V. I. Luksh. [Volunteer guards of Kirghizistan.] Druzhinniki Kirgizii. Frunze, Kirgizskoe gos. izd-vo, 1964. 69 p. (CS-H)

#### KIRGHIZISTAN—COLLECTIVE FARMS

Consolidation of the rural party organizations of Kirghizistan and strengthening of their organizational activity. 1953-1958. N. Ivanenko. Vop. ist. Kom. par. Kir. no. 3:273-301 '61.

Organizational activity of the working class in the socialist reorganization of the agriculture of Kirghizistan. I. Breev. Vop. ist. Kom. par. Kir. no. 3:121-150 '64.

#### KIRGHIZISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Organizational work of the Communist Party of Kirghizistan in the reconstruction of the industry into a war industry during the years of the Great Patriotic War. V. Sannikov. Vop. ist. Kom. par. Kir. no. 3:170-218 '64.

The Seventh Kirghiz Province Party Conference. A. Mete. Vop. ist. Kom. par. Kir. no. 3:151-169 '64.

#### KIRGHIZISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Activity of the Communist Party of Kirghizistan concerning the fulfillment of the fifth five-year plan in the field of industry. I. Poklonskii. Vop. ist. Kom. par. Kir. no. 3:219-272 '64.

Activity of the Communist Party of Kirghizistan in developing the cultural and educational work among the workers. 1936-1941. K. Karakeev. Vop. ist. Kom. par. Kir. no. 3:302-321 '61.

Consolidation of the rural party organizations of Kirghizistan and strengthening of their organizational activity. 1953-1958. N. Ivanenko. Vop. ist. Kom. par. Kir. no. 3:273-301 '61.

Ideological work of the party organization of Kirghizistan after the 22nd Congress of the CPSU. I. Semenov. Vop. ist. Kom. par. Kir. no. 3:325-358 '61.

#### KIRGHIZISTAN—COMMUNIST YOUTH LEAGUE

Origins and activity of the Komsomol of Kirghizistan, 1919-1935. V. Semenov. Vop. ist. Kom. par. Kir. no. 3:73-120 '64.

#### KIRGHIZISTAN—COTTON GROWING

Pledge of the cotton growers of Kirghizistan. I. Martynov. Zakup. sel'khoz. prod. no. 5:58-59 My '64.

#### KIRGHIZISTAN—CRIMINAL LAW

Kirghiz S. S. R. Laws, statutes, etc. [Criminal and Criminal Procedure Code of the Kirghiz S. S. R. Passed by the Fifth Supreme Soviet of the Kirghiz S. S. R., fourth session, December 29, 1960.] Ugolovnyi i ugodovno-protsessual'nyi kodeksy Kirgizskoi SSR. Prinaty na chetvertoi sessii Verkhovnogo Soveta Kirgizskoi SSR platogo sozyva 29 dekabrja 1960 goda. [n. p.] Izd. Verkhovnogo Soveta Kirgizskoi SSR, 1961. 282 p. [MICROFILM]

#### KIRGHIZISTAN—CRIMINAL PROCEDURE

Kirghiz S. S. R. Laws, statutes, etc. [Criminal and Criminal Procedure Code of the Kirghiz S. S. R. Passed by the Fifth Supreme Soviet of the Kirghiz S. S. R., fourth session, December 29, 1960.] Ugolovnyi i ugodovno-protsessual'nyi kodeksy Kirgizskoi SSR. Prinaty na chetvertoi sessii Verkhovnogo Soveta Kirgizskoi SSR platogo sozyva 29 dekabrja 1960 goda. [n. p.] Izd. Verkhovnogo Soveta Kirgizskoi SSR, 1961. 282 p. [MICROFILM]

#### KIRGHIZISTAN—EROSION

Calculating resistance to scouring of river beds and canals in mountain and piedmont areas. N. V. Lapturev. Stroitel'nikh Uzb. 6 no. 2:32-38 F '65.

#### KIRGHIZISTAN—HISTORICAL RESEARCH

The Institute of History of the Academy of Sciences of the Kirghiz S. S. R., 1963-1964. V. P. Sherstobitov. Ist. SSSR 9 no. 2:223-224 Mr-Apr '65.

#### KIRGHIZISTAN—INDUSTRIES

Activity of the Communist Party of Kirghizistan concerning the fulfillment of the fifth five-year plan in the field of industry. I. Poklonskii. Vop. ist. Kom. par. Kir. no. 3:219-272 '64.

#### KIRGHIZISTAN—LABOR AND LABORING CLASSES

Organizational activity of the working class in the socialist reorganization of the agriculture of Kirghizistan. I. Breev. Vop. ist. Kom. par. Kir. no. 3:121-150 '64.

The situation of workers in pre-revolutionary Kirghizistan. S. Attokurov. Vop. ist. Kom. par. Kir. no. 3:3-28 '64.

#### KIRGHIZISTAN—LAW ENFORCEMENT

Dzhumusaliev, Malabai, and V. I. Luksh. [Volunteer guards of Kirghizistan.] Druzhinniki Kirgizii. Frunze, Kirgizskoe gos. izd-vo, 1964. 69 p. (CS-H)

#### KIRGHIZISTAN—RIVERS

Alluvial and hydraulic calculation of channels. G. V. Sobol'm, M. F. Chernova. Stroitel'nikh, Sred. Az. 1 no. 9:33-34 S '64.

#### KIRGHIZISTAN—RURAL CONSTRUCTION

Always on the road. A. F. Kuminov. Stroitel'nikh, Sred. Az. 1 no. 9:20-27 S '64.

#### KIRGHIZISTAN—SILK MANUFACTURE

In friendship with new developments. A. Pukhov. NTO 7 no. 3:6-7 Mr '65.

#### KIRGHIZISTAN—SOCIAL CONDITIONS

Revolutionary events and the social movement in Kirghizistan in the early 20th century, 1900-1907. A. Chukubayev. Vop. ist. Kom. par. Kir. no. 3:27-72 '61.

#### KIRGHIZISTAN—SUGAR BEETS

Modifying sowing machines of the SSN-6H type for single-seed planting of sugar beets. N. Skirnyik. Tekhn. v sel'khoz. 25 no. 4:61-63 Ap '65.

#### KIRGHIZISTAN—WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Organizational work of the Communist Party of Kirghizistan in the reconstruction of the industry into a war industry during the years of the Great Patriotic War. V. Sannikov. Vop. ist. Kom. par. Kir. no. 3:170-218 '64.

#### KIRILL, Patriarch of Bulgaria

Literary works of His Holiness Kirill, Patriarch of Bulgaria. Bishop Plirim. Zhur. Mosk. Patr. no. 5:52-55 '65.

#### KIRILLOV, ELPIDIFOR ANEMPODISTOVICH, 1902-1964

Professor E. A. Kirillov. Zhurn. nauch. i prikl. fiz. i khim. 10 no. 2:159 Mr-Apr '65.

#### KIROV PROVINCE—INDUSTRIAL PROCUREMENT—ACCOUNTING

Journal-voucher accounting system in supply and sale organizations. M. Trofimov. Bulg. uch. 21 no. 10: 47-49 O '64.

#### KIROV PROVINCE—SCHOOL SUPERVISION

Conflict. B. Uspenski. Prikl. tekhn. obr. 22 no. 2: 18-20 F '65.

#### KIROVABAD—OIL INDUSTRIES

Successful completion of the sixth year of the seven-year plan. N. I. Golubok. Maslozh. prom. 31 no. 1: 45 Ap '65.

#### KIROVAKAN—CHEMICAL INDUSTRIES

Kirovakan chemists improve production processes. V. Boltaevskii. Prom. Armi 8 no. 3:33-31 Mr '65.

#### KIROVOGRAD—SEEDS—DISINFECTION

Practices in the disinfection of corn seeds at the Kirovograd Plant. A. Gerbichenko. Mak.-elev. prom. 31 no. 4:11 Ap '65.

#### KIROVSK—MINING ENGINEERING—SAFETY MEASURES

Stability of outcrops of rock overlying a series of the S. M. Kirov mine. F. I. Boelko. Bezop. truda v prom. 9 no. 4:36-38 Ap '65.

#### KIROVSK—ORE DRESSING

Automation of crushing and grinding processes at the No. 1 Apatite-Nephelite Ore Dressing Plant. T. P. Afanas'ev and others. Obozr. rud. 9 no. 4:36-41 '64.

#### KIRSANOV, A. F.

D. I. Mendeleev gold medal. Priroda 54 no. 4:5 Ap '65.

#### KISHINEV—BOTANICAL GARDENS

Landscaping and leveling principles in planning exhibitions at the Botanical Garden of the Academy of Sciences of the Moldavian S. S. R. In Kishinev. P. V. Leon'tev. Izv. AN Mold. SSR no. 10:13-29 '63.

#### KISHINEV—TRIALS (SEDITION)

Kishinev trial of the Tatarbunary peasants and the international solidarity movement. I. D. Roshkovan. Ist. SSSR 9 no. 1:104-114 Ja-F '65.

#### KIZEL (PERM PROVINCE)—WATER—PURIFICATION

Use of polyacrylamide in the processing of industrial wastes by contact clarifiers. N. T. Lubochnikov. Nauch. trudy AKKH no. 22 '63. Vod. no. 3:10-55 '63.

#### KIZEL BASIN—COAL MINES AND MINING

The Kalinugol' Trust is trying to improve its indices. M. I. Orlenko, O. A. Mosienko, I. A. I. Sochnev. Ugol' Ukr. 9 no. 5:6-7 My '65.

#### KIZIL KUM see Kyzyl Kum

#### KLAIPEDA—FISHING BOATS—MAINTENANCE AND REPAIR

Control and bookkeeping in repairing serial ships. A. I. Perevoznikov, B. S. Butman. Ryb. khoz. 41 no. 4:72-75 '65.

Repairing SRT-type fishing boats according to the standard technological schedule. A. P. Perevoznikov, B. S. Butman. Ryb. khoz. 41 no. 3:75-77 '65.

**KLAUS, KARL KARLOVICH, 1796-1864**  
Second birth of ruthenism. O. E. Zviagintsev. Priroda  
54 no. 5:71-74 My '65

#### **KLIN-DMITROV RIDGE—ASPEN**

Aspen forests of the Klin-Dmitrov Ridge and their  
dynamics. K. V. Kiseleva. Bot zhur. 50 no. 4:567-  
571 Ap '65

#### **KLIN-DMITROV RIDGE—FOREST ECOLOGY**

Aspen forests of the Klin-Dmitrov Ridge and their  
dynamics. K. V. Kiseleva. Bot zhur. 50 no. 4:567-  
571 Ap '65.

#### **KLIN-DMITROV RIDGE—PEAT BOGS**

Characteristics of the peat accumulation in the bogs of  
the depressions without interior drainage of the Klin-  
Dmitrov Ridge. O. L. Liss. Vest Mosk. un. Ser. 6:  
1101., pochv. 20 no. 2:21-28 Mi-Apr '65.

#### **KLOPUSHA (SOKOLOV), AFANASII TIMOFEEVICH, 1714-1774**

Sentence passed on Afanasii Klopusha on March 6, 1768.  
A. A. Gorelov. Vest LGU 20 no. 8:169-162 '65.

#### **KLYSTRONS**

Use of the klystron method in generating nanosecond  
and subnanosecond video pulses Part 1. A. D. Sushkov,  
V. A. Meos. Zhur. tekhn. fiz. 33 no. 4:723-738 Ap '65.

Use of the klystron method in generating nanosecond  
and subnanosecond video pulses Part 2. A. D.  
Sushkov, V. A. Meos. Zhur. tekhn. fiz. 35 no. 4:  
739-747 Ap '65

#### **KNABBE, VLADIMIR SERGEEVICH, 1849-1914**

Zagorskii, F. N. Vladimir Sergeevich Knabbe, 1849-  
1914. Moskva, Nauka, 1965. 89 p.

#### **KNEE—DISEASES**

Collagen and aminopolysaccharides of the menisci and  
adipose bodies of the knee joint in traumas and Hoffa's  
disease. L. I. Slutskii, M. I. Torm. Ortop., travm i  
protez. 26 no. 2:72 F '65

#### **KNEE—INNERVATION**

Internal topography of the tibial and the common pero-  
neal nerves in the popliteal fossa in man and rabbits.  
S. M. Bogrii. Trudy Khar. med. inst. no. 36:19-26 '57.

#### **KNIT GOODS**

Calculating the loop length and weight of jacquard  
weave knit goods. L. P. Rovinskaiia. Tekst. prom. 25  
no. 3:18-50 Mr '65.  
Flat knit fabrics for women's dresses and suits.  
Z. N. Shinkhova. Tekst. prom. 25 no. 5:48-52 My  
'65.

#### **KNIT GOODS—TESTING**

Characteristics of yarn and knit goods manufactured from  
a cotton and laven blend. P. M. Konukov, B. T. Efros,  
A. I. Koblakov. Tekst. prom. 25 no. 1:10-14 Ap '65.  
Physico-hygienic properties of goods manufactured from  
synthetic bulk yarn. N. A. G. chukhina, K. A. Rapoport.  
Tekst. prom. 25 no. 3:41-48 Mi '65

#### **KNIT GOODS INDUSTRY**

All-Union scientific and technical seminar on the exchange  
of practices for an efficient utilization of raw materials  
in the manufacture of knit underwear. E. A. Sobolev.  
Tekst. prom. 25 no. 4:38-39 Ap '65

Efficiency of outdoor knitting on cotton machines. L. K.  
Vashchinskii. Izv. vys. ucheb. zav., tekhn. leg. prom.  
no. 2:121-123 '65.

#### **KNIT GOODS INDUSTRY—ACCOUNTING**

Accounting for yarn and semifinished products. L. Gel'-  
man, I. Kishko. Bukh. uchot. 22 no. 3:55-59 Mr '65.

#### **KNIT GOODS INDUSTRY—HYGIENIC ASPECTS**

Ivanov, Vsesoiuznyi nauchno-issledovatel'skii institut  
okhrany truda. [Norms and systems for the lighting of  
knit goods factories] Normy i sistemy osveshcheniia  
trikotazhnykh fabrik. Ivanov, 1964. 61 p. (V po-  
moshch' inzhenerno-tekhnicheskim rabotnikam i profak-  
tivu po okhrane truda)

[MICROFILM]

#### **KNIT GOODS INDUSTRY—MANAGEMENT**

Ioffe, I. G. [Organization and planning of knit goods pro-  
duction] Organizatsiia i planirovaniie trikotazhnogo (via-  
zal'nogo) proizvodstva. Moskva, Legkaia Industriia,  
1965. 237 p.

#### **KNITTING MACHINES**

Device for measuring the loop length on high-speed  
warp knitting machines. L. M. Agapov. Izv. vys. ucheb.  
zav.; tekhn. leg. prom. no. 2:116-120 '65

Effect of the magnitude of the shed of a flat-knitch needle  
knitting machine on the indices of double-rib cloth.  
L. B. Kal'mitskii, A. I. Elen. Tekst. prom. 25 no. 5:  
43-47 My '65.

Efficiency of outdoor knitting on cotton machines. L. K.  
Vashchinskii. Izv. vys. ucheb. zav.; tekhn. leg. prom.  
no. 2:121-123 '65.

Improved automatic device for the individual exchange  
of comb slides. Zh. Sh. Malkin. Tekst. prom. 25  
no. 4:37 Ap '65

Introducing the PLZh-2 semiautomatic flat-knitch jacquard  
glove knitter. N. I. Mirutenko. Biul. tekhn. ekon. inform.  
Gos nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:  
50-51 F '65

Problems in the analysis of the process of loop formation  
L. S. Matynov and others. Tekst. prom. 25 no. 4:72-  
81 Ap '65

Some causes of stripe in knitted fabrics manufactured on  
flat-knitch type knitting machines. L. B. Kal'mitskii.  
Tekst. prom. 25 no. 3:41-44 Mr '65

Studying the causes of horizontal stripe formation in  
warp knit fabrics and ways of its elimination. V. A.  
Radzievskii, F. A. Moiseenko. Izv. vys. ucheb. zav.,  
tekhn. leg. prom. no. 2:105-115 '65

#### **KNITTING MACHINES—DESIGN AND CONSTRUCTION**

Potemkin, D. M., and A. V. Kovarskii. [Development  
of the design of knitting machines] Razvitiie konstruk-  
tsii trikotazhnykh mashin. Moskva, Akad. nauk SSSR,  
1965. 128 p. (Itogi nauki)

#### **KNOWLEDGE, THEORY OF**

General course of the knowing of matter. B. M. Kedrov.  
Vop. filos. 19 no. 4:92-103 '65.

Searching for new possibilities. L. K. Naumenko. Vop.  
filos. 19 no. 4:164-168 '65

Theory of knowledge and the modern scientific achieve-  
ments. M. Rozenental'. Kommunist. 42 no. 8:20-31  
My '65.

#### **KOBRA VALLEY—ANTIQUITIES**

Archaeological finds in the Kobra Basin. E. A. Savell'eva,  
V. I. Chalyshov. Izv. Komi fil. Geog. ob-va SSSR no. 9:  
103-107 '64.

#### **KOCHNEV, MIKHAIL KHARLAMPIEVICH, 1914-**

Readers' marathon. Z. Papernyi. Nov. mir. 41 no. 4:  
265-267 Ap '65

#### **KODORI VALLEY—GEOMORPHOLOGY**

Brief geomorphological study of the Kodori River basin.  
L. I. Marumashvili. Trudy Inst. geog. AN Gruz. SSR. 11:  
3-18 '61.

#### **KODORI VALLEY—KARST**

Geomorphological characteristics of the karstic land-  
form of the Kelasuri-Kodori interfluvium. Sh. I. A. Kiplani.  
Trudy Geog. ob-va Gruz. SSR. 7:17-45 '63.

Geomorphological characteristics of the present-day  
karstic landform of the Kelasuri-Kodori interfluvium.  
Sh. I. A. Kiplani. Trudy Geog. ob-va Gruz. SSR. 7:57-83  
'63.

#### **KODRY—LANDFORMS**

Formation of the landforms of the Moldavian Kodry. M. A.  
Chitzhov. Geog. sbor. L'vov, old. Geog. ob-va SSSR  
no. 8:36-44 '64.

#### **KOHTLA-JARVE (ESTONIA)—DESCRIPTION AND TRAVEL**

Marksoo, Ann. Kohtla-Jarve, Tallinn, Eesti Riiklik  
Kirjastus, 1950. 23 p. [In Estonian]

#### **KOHTLA-JARVE (ESTONIA)—SHALE**

The V. I. Lenin Works. I. Stepanov. NTO. 7 no. 4:41-  
42 Ap '65

#### **KOKPATAS MOUNT—GOLD ORES**

Some characteristics of the localization of gold ore mi-  
neralization in Kokpatas Mount. Kh. R. Rakhmatullayev.  
Uzb. geol. zhur. 8 no. 1:13-18 '64.

#### **KOLA PENINSULA—SALMON**

Contingent of salmon producers. V. V. Izhelev, B. I.  
Shuster. Ryb. khoz. 41 no. 4:21-22 '65.

Effect of predatory fishes on the extension of seaward  
migration of salmon. E. L. Bakshitskii. Ryb. khoz.  
41 no. 3:17-18 '65.

#### **KOLKHIDA LOWLAND—GEOLOGY STRUCTURAL**

Relief and the Quaternary sediments of the central part  
of the Colchis Lowland. D. V. Tsereteli. Trudy Inst.  
geog. AN Gruz. SSR. 20:17-24 '64.

#### **KOLKHIDA LOWLAND—GEOMORPHOLOGY**

Some concepts on the origin of the Kolkhida Lowland.  
G. S. Devdariani. Trudy Geog. ob-va Gruz. SSR. 7:47-  
55 '63.

#### **KOLKHIDA LOWLAND—LANDFORMS**

Relief and the Quaternary sediments of the central part  
of the Colchis Lowland. D. V. Tsereteli. Trudy Inst.  
geog. AN Gruz. SSR. 20:17-24 '64.

#### **KOLOMICHENKO, OLEKSEI SYDOROVYCH**

Ginzburg, V. Z., and M. M. Medunytsha. [Restored sym-  
phonies (Professor O. S. Kolomichenko); an essay] Po-  
vernennii symfonii (professor O. S. Kolomichenko); narys.  
Kyiv, Derzhavnyi vydav Ukrainy, 1963. 103 p. (Lyudy i  
problemy symyrychky)  
(DNLN)

#### **KOLPASHEVO REGION (TOMSK PROVINCE)—FUR FARMING**

The Kolpashevo Fur Farm. N. P. Solov'ev. Zakur.  
sel'khoz. prod. no. 5:59-60 My '64.

#### **KOLVA VALLEY—CAVES**

Div'ya Cave. V. D. Shcheglov, I. U. A. Koliashnikov. Peshch-  
ery. no. 4:5-10 '64

#### **KOMAROVA, VALENTINA IAKOVLEVNA**

Librarian of the "Staryi iakov" V. Bukhanov. Bibli-  
otekar'. 42 no. 3:55 Mr '65

#### **KOMI A. S. S. R.—ANTIQUITIES**

Peat bogs of river cut-off as places for archaeological  
finds. G. M. Burov. Izv. Komi fil. Geog. ob-va SSSR  
no. 9:99-103 '64.

#### **KOMI A. S. S. R.—BIBLIOGRAPHY**

[Literature on the Komi A. S. S. R. for 1962] Literatura  
o Komi ASSR za 1962 god. Syktyvkar, Komi knizhnoe  
izd-vo, 1964. 141 p.

#### **KOMI A. S. S. R.—BOTANY, MEDICAL**

Data on the medicinal flora of the Komi A. S. S. R. I  
Hrom. Farmatsev. zhur. 19 no. 1:32-34 '64

#### **KOMI A. S. S. R.—CORN (MAIZE)**

Amino acid composition of the vegetative organs of corn  
and mallow in the Komi A. S. S. R. L. K. Grumina. Biul.  
Glav. bot. sada. no. 56:60-65 '64.

#### **KOMI A. S. S. R.—GEOGRAPHICAL SOCIETIES**

Work of the Komi Branch of the All-Union Geographical  
Society in 1962-1963. V. V. Tur'eva. Izv. Komi fil. Geog.  
ob-va SSSR no. 9:112-117 '64.

#### **KOMI A. S. S. R.—GEOGRAPHY**

Setting the new goals. Izv. Komi fil. Geog. ob-va SSSR  
no. 9:3-4 '64.

#### **KOMI A. S. S. R.—GEOMORPHOLOGY**

Soil and geomorphological regions of the northwestern  
part of the Komi A. S. S. R. D. M. Rubtsov. Izv. Komi  
fil. Geog. ob-va SSSR no. 9:23-37 '64

#### **KOMI A. S. S. R.—INDUSTRIES**

Main problem of the industrial development of the near  
North. V. A. Vitiiazova. Izv. Komi fil. Geog. ob-va  
SSSR no. 9:5-16 '64.

#### **KOMI A. S. S. R.—MALLOW**

Amino acid composition of the vegetative organs of corn  
and mallow in the Komi A. S. S. R. L. K. Grumina. Biul.  
Glav. bot. sada. no. 56:60-65 '64.

#### **KOMI A. S. S. R.—MINE EXPLOSIONS**

Accident at Mine No. 26. V. K. Grekov, T. V. Bregadze.  
Bezop. truda v prom. 9 no. 4:10-12 Ap '65.

#### **KOMI A. S. S. R.—NATURAL RESOURCES**

Main problem of the industrial development of the near  
North. V. A. Vitiiazova. Izv. Komi fil. Geog. ob-va  
SSSR no. 9:5-16 '64.

#### **KOMI A. S. S. R.—PEAT BOGS**

Peat bogs of river cut-offs as places for archaeological  
finds. G. M. Burov. Izv. Komi fil. Geog. ob-va SSSR  
no. 9:99-103 '64

#### **KOMI A. S. S. R.—SOIL MICRO-ORGANISMS**

Microbiological characteristics of some soils of the  
Komi A. S. S. R. T. A. Stenina. Izv. Komi fil. Geog.  
ob-va SSSR no. 9:38-48 '64.

#### **KOMI A. S. S. R.—SOILS—CLASSIFICATION**

Soil and geomorphological regions of the northwestern  
part of the Komi A. S. S. R. D. M. Rubtsov. Izv. Komi  
fil. Geog. ob-va SSSR no. 9:23-37 '64.

#### **KOPEIKIN, MIKHAIL**

Keep it that way, Misha! V. Poetov, Voen. znani. 41  
no. 6:41 Je '65

#### **KOPETDAG—PLANTS—CHEMICAL ANALYSIS**

Content of saponins in the plants of Turkmenia eastern  
and central Kopetdag. A. S. Gledikh, I. A. Gubanov,  
A. A. Meshcheriakov. Izv. AN Turk. SSR. Ser. biol. nauk  
no. 1:22-35 '65.

KORCZAK, JANUSZ, pseud., see Goldszmit, Henryk,  
1872-1942

#### **KOREA—FEUDALISM**

Sources of the history of late feudalism in Korea. I. V.  
Vanin. Krat. soob. Inst. nar. Az. no. 85:30-42 '64.

#### **KOREA—HISTORY—SOURCES**

Sources of the history of late feudalism in Korea. I. V.  
Vanin. Krat. soob. Inst. nar. Az. no. 85:30-42 '64



## KOREA, SOUTH—FOREIGN ECONOMIC RELATIONS—

### JAPAN

Japan and southern Korea, a deal behind the people's back  
D. Petro. Mir efon: razhizhnyaya na 6 79-101  
'65

KOREANS see subdivision under Japan

## KORETS' KYI, VOLODYMYR MYKHAILOVYCH, 1890-

Glorious anniversary of a scholar and public worker  
Rad pravo 28 no 3,148-149 My-Je '65

## KORMISHCHIKOV, ALEXSANDR

Well done, Sasha Kormishchikov! Kryl rod 13 no 3 21  
Mr '62

## KOROTAIKHA RIVER—SAND

Flotation transportation of sand particles by the running  
waters of the Korotaiikha and Mezen' River Basins  
N. P. Ushkin. Izv. Vostochno-Sibirskogo nauchno-issledovatel'skogo  
tsentra 78 1964

## KORZHENEVSKI, NIKOLAI LEOPOLDOVICH, 1879-

N. L. Korzhenevskii; 85th anniversary of his birth. Uzb.  
geol. zhur. 8 no. 194 '64.

## KORZHINTAU—ALASKITE

Origin of red alaskite granites in the Al'tash intrusive  
K. S. Zubrilina. Nauch. trudy TashGU no 249 Geol  
nauki no 11 82-99 '61

## KORZHINTAU—GEOLOGICAL TIME

Age and conditions governing the formation of a conglomerate-sandstone band in northwestern Karzhan-Tau  
R. N. Boraginov. Nauch. trudy TashGU no 249 Geol  
nauki no 21 205-211 '64

## KORZHINTAU—ROCKS, SEDIMENTARY

Age and conditions governing the formation of a conglomerate-sandstone band in northwestern Karzhan-Tau  
R. N. Boraginov. Nauch. trudy TashGU no 249 Geol  
nauki no 21 205-211 '64

## KOSOV REGION (UKRAINE)—ARBORETUMS

Kosov Arboretum in Ivano-Frankovsk Province. Z. K.  
Kostevich. Biol. Glav. bot. sada no. 56:10 '64.

## KOSTROMA PROVINCE—FUR FARMING

Fur obtained without a shot V. Bocharnikov. Zakup  
sel'khoz prod. no 3 54-55 Mr '65

## KOTLAS (ARCHANGEL PROVINCE)—WOOD-USING INDUSTRIES

Production of fodder yeast at the Kotlass sulfite alcohol  
plant V. I. Nivonov. Gidroliz i lesokhlim. prom. 18  
no 3 24-25 '65

## KOTLAS DISTRICT—PRODUCE TRADE

Practice and know-how are the secrets of success.  
P. Gagarskii. Zakup sel'khoz prod. no 3 52-53 Mr  
'65

## KOTSUEVSKY, MYKHAILO, 1864-1913

The personage of a artistic giant shone to them;  
A. Trostianets'kyi. Rad. lit. 9 no 4 88-87 Ap '65

## KOTURTEPE OIL FIELD—HYDROCARBONS

Solubility in furfural of aromatic hydrocarbons separated  
from oily fractions from the petroleum of the Kotur-  
tepe field N. I. Skudanova, A. I. Gundyrev, N. I.  
Chernozhukov. Trudy MINKHGP no 44, 235-241 '63

## KOVALENKO, ANATOLI DMITRIYEVICH, 1905-

Anatoli Dmitriyevich Kovalenko; on the occasion of  
his 60th birthday I. A. M. Grigorenko, I. N. Shev-  
chenko. Frikl mekh. 1 no 1:133-137 '65.

## KOVALENKO, VITALI STEPANOVICH

Fourteen minutes of courage B. Chistov. Sov. voen  
47 no. 8:17 Ap '65.

## KOVALEVSKI, STANISLAV VIKTOROVICH

An untiring veteran. Nik Nikol'skii. Voenn. znani. 11  
no 6:35 Je '65

## KOZHYA VALLEY—GEOLOGY

Pechora-Kozhya swell. N. D. Matvievskaya, V. S.  
Zhuravlev. Dokl. AN SSSR 161 no. 4:903-906 Ap '65.

## KRASNODAR—CHEMICAL INDUSTRIES—CONGRESSES

Krasnodar Regional Trade Union Conference. A. L.  
Babalan. Neftianik 8 no. 5:89 My '63.

## KRASNODAR—CIVIL DEFENSE—STUDY AND TEACHING

Intense interesting L. Rusanov. Voenn. znani. 41  
no. 3:22-23 Mr '65.

## KRASNODAR—COMMUNIST COMPETITION

Some problems concerning the movement for communist  
labor. S. Anan'ev, I. Kharchenko. Part. zhizn' no. 10:  
48-51 My '65.

## KRASNODAR—EMPLOYERS' LIABILITY

Liability for serious bodily injury sustained at work.  
A. Mikhailich. Sov. iust. 29 no 7:11-13 Ap '65

## KRASNODAR—FLOUR MILLS

We are improving machinery and the organization of  
work at auxiliary and servicing shops of our milling  
combine N. Strel'tsov. Muk.-elev. prom. 31 no 4:  
22-23 Ap '65.

## KRASNODAR—INDUSTRIAL ACCIDENTS

Liability for serious bodily injury sustained at work  
A. Mikhailich. Sov. iust. 29 no 7:11-13 Ap '65

## KRASNODAR—PETROLEUM INDUSTRY

Some problems concerning the movement for communist  
labor S. Anan'ev, I. Kharchenko. Part. zhizn' no  
10:48-51 My '65.

## KRASNODAR—PETROLEUM INDUSTRY—CONGRESSES

Krasnodar Regional Trade Union Conference. A. L.  
Babalan. Neftianik 8 no 5:89 My '63

## KRASNODAR—TEXTILE WORKERS—EDUCATION AND TRAINING

Schools of management and training schools. V. Kuzne-  
sov. Part. zhizn' no 11:20-24 Je '65

## KRASNODAR TERRITORY—FISH CULTURE

Some characteristics of the growth and wintering of  
young-of-the-year herbivorous fishes. Ryb. khoz.  
I. N. Biziaev. Ryb. khoz. 41 no 1:19-20 '65

## KRASNODAR TERRITORY—FRUIT TREES—IRRIGATION

Irrigation of orchards on floodlands. B. A. Shumakov,  
L. G. Dudnikova. Dokl. Akad. sel'khoz. nauk no 2:38-40  
F '65

## KRASNODAR TERRITORY—LIBRARIES, CHILDREN'S

Initial results. T. Davidenko. Bibliotekar' 42 no. 4:  
35-36 Ap '65

## KRASNODAR TERRITORY—MILKING PARLORS

Testenko, I. I., and V. F. Kitashova. ["Carrousel-type"  
milking systems; from practices in the use of milking  
conveyors] Doli'nye ustanovki "Karusel", iz opyta pri-  
meneniya konveynernykh doli'nykh ustanovok. Moskva,  
Bluro tekhn. informatsii, 1964. 85 p. (Vserossiyskoe  
ob'edinenie Sovetskikh ministrov RSFSR "Rossel'khoztekhni-  
ka." Peredovoi opyt i predlozheniia, III Seria; Mekha-  
nizatsiia trudoemkikh protsessov v sel'skoi khoziaistve  
i zhivotnovodstve) (DNAL MICROFILM)

## KRASNODAR TERRITORY—OIL WELL DRILLING

Let us fulfill the yearly plan ahead of time. V. S.  
Aleksandrov. Neftianik 8 no. 5:31 My '63.

## KRASNODAR TERRITORY—OLD AGE HOMES

Deserved reward. V. Chudin. Sots. obshch. 26 no 4:10  
Ap '65

## KRASNODAR TERRITORY—PEACH—VARIETIES

Production of frost resistant varieties of peach. I. M.  
Riadnova, T. S. Vasilenko. Nauch. dokl. vys. shkoly,  
biol. nauk no. 2:193-196 '65.

## KRASNODAR TERRITORY—PHYSICAL EDUCATION AND TRAINING

Methodological work of the physical education teachers  
in the institutions of higher learning of Krasnodar  
Territory. A. G. Dan'shin. Teor. i prak. fiz. kul't  
27 [1. e. 28] no. 5:78-79 My '65

## KRASNOVODSK (TURKMENISTAN)—AERONAUTICS, COMMERCIAL

And there was a clap of thunder. V. Kul'ga. Grazhd.  
av. 22 no 2:9 F '65

## KRASNOVODSK (TURKMENISTAN)—PETROLEUM REFINING

Intensifying the primary refinement of petroleum in the  
Krasnovodsk Petroleum Refinery. D. I. A. Muchinskii.  
Nefteper. i neftekhim. no. 3:3-5 '65

## KRASNOYARSK—BUILDINGS, PREFABRICATED

Panel buildings; practices of the Korkinsk Housing  
Construction Combine in the city of Krasnoyarsk  
Sovershenstvovanie proizvodstva i montazha krupno-  
panel'nykh zdaniy: opyt raboty Kirovskogo domostroitel'-  
nogo kombinata v g. Krasnoyarske. Moskva, Stroizdat,  
1964. 39 p.  
Pushkarev, V. V., A. P. Ruch'ev, and R. M. Okuneva.  
[Large-panel housing construction; from practices at  
building projects in Novosibirsk, Krasnoyarsk, and  
Kemerovo] Krupnopanel'noe domostroenie, iz opyta  
zastroiki Novosibirsk, Krasnoyarsk i Kemerovo.  
Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1964.  
208 p.

## KRASNOYARSK TERRITORY—ANTHRAX

Some data on anthrax in Krasnoyarsk Territory. G. I.  
Meshalkin. Zhur. mikrobiol., epid. i immun. 42 no. 4:  
78-80 Ap '65.

## KRASNOYARSK TERRITORY—BEANS

Conditions affecting formation of slow-germinating seeds  
in beans G. M. Litovskii. Nauch. dokl. vys. shkoly,  
biol. nauk no 2:152-157 '65.

## KRASNOYARSK TERRITORY—CLEARING OF LAND—EQUIPMENT AND SUPPLIES

Strip preparation of soils in cutover areas using the  
D-210 G grader in Krasnoyarsk Territory. A. V.  
Karnauchov. Trudy STI 37 176-181 '64

## KRASNOYARSK TERRITORY—EDUCATION, PRE-SCHOOL

Preschool education in Krasnoyarsk Territory. M. Ka-  
stina. Doshk. vosp. 38 no 1:81-82 Ja '65

## KRASNOYARSK TERRITORY—GOTTER

Endemic gotter in Krasnoyarsk Territory. M. A.  
Samokhvalova and others. Probl. endok. i gorm. 11  
no. 1:13-15 Ja-F '65.

## KRASNOYARSK TERRITORY—ROAD CONSTRUCTION

Consolidation of road soils with water glass by adding  
granulated blast-furnace slag V. S. Smirnov. Trudy  
STI 37:173-175 '64

## KRASNOYARSK TERRITORY—ROADS

Hydrothermal conditions and the resistance of the roadbed  
of automobile roads in the southern part of Krasnoyarsk  
Territory. G. I. Shelopayev. Trudy STI 37:24-33 '64

## KRASNOYARSK TERRITORY—ROADS—MAINTENANCE AND REPAIR

Drainage of water from the foundation of road pavements  
and the calculations for the draining structures for  
automobile roads in the southern part of Krasnoyarsk  
Territory. G. I. Shelopayev. Trudy STI 37:34-40 '64

## KRASNOYARSK TERRITORY—WOOD-USING INDUSTRIES—TECHNOLOGICAL INNOVATIONS

In the Scientific and Technical Society organization of  
the Ashinsk wood processing combine. A. G. Tatarskaya  
Gidroliz i lesokhlim. prom. 18 no 2:20-29 '65

## KRASNOYARSK TERRITORY—FOUNDRIES—EQUIPMENT AND SUPPLIES

On the so-called tapping from the Krasnoyarsk hidden  
treasure of the late Bronze Age. I. T. Chernobrov.  
Krat. soob. Inst. arkh. i etnol. no 10:13-22 '65

## KRAVCOV, NIKOLAI PAVLOVICH, 1885-1924

N. P. Kravkov; his life and scientific activity (the 100th  
anniversary of his birth). G. A. Mednikina. Izv. AN  
Arm. SSR. Biol. nauki 10 no. 4:82-89 Ap '65.

## KRAVTSOV, BORIS VASIL'EVICH

"Commence firing at me!" P. Rukhovskikh. Salm. zhukov  
42 no. 5:40-42 My '65.

## KREMENCHUG RESERVOIR—ALGAE

Algal properties of aquatic and coastal plants of  
Kremenchug Reservoir as related to blue-green algae  
Microcystis pulveracea and Anabaena bairdii. A. K.  
Nehraev, S. O. Matvienko. Mikrobiol. zhur. 27  
no. 2:39-42 '65.

## KREMENCHUG DISTRICT—CRIME PREVENTION

How we attract the public to the work of the court.  
A. Olefir. Rad. pravo 20 no. 2:37-38 Mr-Apr '65.

## KREMENCHUG REGION (UKRAINE)—MANGANESE OXIDES

Manganese minerals from Sarmatian limestones in the  
Kremenchug region. I. M. Syvko, V. A. Khmolevskii.  
Min. sbor. 10 no. 2:203-207 '64.

## KRIVOY ROG BASIN—ELECTRICITY IN MINING

Automation of the operation of a converter-type substation  
at the "Artem-1" mine. M. S. Blum, N. P. I. Aroschenko.  
Gor. zhur. no. 3:56-57 Mr '65.

## KRIVOY ROG BASIN—IRON MINES AND MINING

Eliminate multiple horizon mining in the Krivoy Rog  
Basin. P. N. Taran and others. Gor. zhur. no. 4:3-8  
Ap '65.

Making upraises in the Krivoy Rog Basin by the sec-  
tional blasting of holes. V. D. Morkva, N. I. Potemkin.  
A. I. A. Kocherga. Gor. zhur. no. 5:71-72 My '65.

Methods of determining and ways of increasing the  
efficiency of stoping in the Krivoy Rog Basin. P. M.  
Vol'fon. Gor. zhur. no. 3:8-12 Mr '65.

Pillar recovery in the Krivoy Rog Basin. A. V. Ind'ko  
and others. Gor. zhur. no. 5:22-24 My '65.

Working thin deposits at the Il'ich mine. V. N. Zinov'ev,  
G. S. Zymalev, I. V. Iakranko. Gor. zhur. no. 4:23-28  
Ap '65.

## KRIVOY ROG BASIN—IRON MINES AND MINING—EQUIPMENT AND SUPPLIES

Stone casting should be more widely used at Krivoy Rog  
Basin mining and ore dressing combines. V. V. Vagin.  
Gor. zhur. no. 3:48-50 Mr '65.

**KRIVOY ROG BASIN—IRON ORES—COSTS**

Labor productivity and cost of ore in the Krivoy Rog Basin. G.S. Zymalev, D.S. Maidan. Met. i gornorud. prom. no. 2:50-63 Mr.-Ap '65.

**KRIVOY ROG BASIN—IRON ORES—CRUSHING AND GRINDING**

Industrial testing of ore pebble crushing of Krivoy Rog Basin quartzites. A.I. Daulsenko and others. Gorn. zhur. no. 1:57-60 Ap '65.

**KRIVOY ROG BASIN—MICA**

Magnetite-ferruginous low alumina micae from the rocks of the Krivoy Rog Basin. V.G. Kushev, V.L. Pavlishin. Min. sbor. 18 no. 1:19-58 '61.

**KRIVOY ROG BASIN—MINE BUILDINGS—DESIGN AND CONSTRUCTION**

Precast reinforced concrete tower headframes and prospects for using them in the Krivoy Rog Basin. V.I. Khovunzhii. Shakhstroi. 9 no. 4:5-8 Ap '65.

**KRIVOY ROG BASIN—MINE VENTILATION**

Ventilation of slopes at the Tsentral'naya mine of the Inguleto Mining administration. V.I. Tyshko, V.P. Dragunov. Met. i gornorud. prom. no. 2:55-58 Mr.-Ap '65.

Ventilation unit made from precast reinforced concrete. V. Khovunzhii. Prom. stroi. i inzh. soor. 6 no. 2:59-63 Mr.-Ap '61.

**KRIVOY ROG BASIN—MINING ENGINEERING**

Introduction of new variants of the system of sublevel caving at "Dzerzhinskud" Trust mines. G.M. Malakhov and others. Met. i gornorud. prom. no. 2:50-51 Mr.-Ap '65.

**KRIVOY ROG BASIN—MINING ENGINEERING—LABOR PRODUCTIVITY**

Labor productivity and cost of ore in the Krivoy Rog Basin. G.S. Zymalev, D.S. Maidan. Met. i gornorud. prom. no. 2:50-63 Mr.-Ap '65.

**KRIVOY ROG BASIN—ORE DRESSING**

Mastering the technology of the beneficiation of magnetite quartzites at the Northern Mining and Ore Dressing Combine. V.S. Margalis and others. Gorn. zhur. no. 3:55-70 Mr.-Ap '65.

**KRIVOY ROG BASIN—PRECAST CONCRETE CONSTRUCTION**

Ventilation unit made from precast reinforced concrete. V. Khovunzhii. Prom. stroi. i inzh. soor. 6 no. 2:59-63 Mr.-Ap '61.

**KRIVOY ROG BASIN—SHAFT SINKING—EQUIPMENT AND SUPPLIES**

Shaft sinking in the Krivoy Rog Basin with the help of KS-2m complexes. I.G. Morukhovich. Gorn. zhur. no. 5:28-30 My '65.

**KRON, ALEKSANDR**

From a play to a novel. V. Suvillo. Nov. mir. 11 no. 2:248-253 F '65.

**KROPOTKIN (KRASNODAR TERRITORY)—COMMERCE**

Accounting for payments to suppliers in mixed trading. A. Iakovlev. Buhg. uch. 21 no. 10:44-47 O '64.

**KROPYVYANSKYI, MYKOLA HRYHOROVYCH, 1889-1946**

Soldier of the revolution, on the 75th anniversary of M.H. Kropyv'ianskyi's birth. I.P. Dudko. Ukr. ist. zhur. 8 no. 6:119-122 N-D '64.

**KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939**

Children's technical creativity. V.S. Barteneva. Shkola i prosv. 9 no. 4:72-74 Ap '65.

Memorable meetings. Polina Vinogradskaya. Nov. mir. 41 no. 4:13-18 Ap '65.

Pages of reminiscences. B. Al'bei-Ploschanskaya. Nov. mir. 41 no. 4:19-24 Ap '65.

**KRYLENKO, NIKOLAI VASIL'EVICH, 1885-1938**

N.V. Krylenko as forensic orator. F. Adamov. Sov. iust. 20 no. 10:28-30 My '65.

**KRYPTON ISOTOPES**

Determination of the heart volume and other indices of central hemodynamics of the heart using radioactive krypton (Kr<sup>85</sup>). F.F. Kapenko. Med. rad. 9 no. 7:7-17 J1 '64.

**KU KLUX KLAN**

The members of the Ku Klux Klan are becoming impudent. V. Kozlov. Mezhdunar. zhizn. 12 no. 5:120-127 My '65.

**KUBAN—COLLECTIVE FARMS**

Kuban to Volodga. I.U. Chernichenko. Nov. mir. 41 no. 4:175-180 Ap '65.

**KUBAN—OIL WELL DRILLING**

Causes of circulation loss in the oil fields of the Kuban. E.I. Sukuruk, V.I. Grigor'ev, V.I. Bondar'ev. Buhg. no. 2:15-18 '65.

**KUBAN—SOILS—NITROGEN CONTENT**

Dynamics of nitrates in fertilized leached Chernozem soils in the Kuban. A.I. Simukhin, L.I. Vasilenko. Agrokhimia. no. 1:46-52 Ja '65.

**KUBAN—WINE AND WINE MAKING**

Taman' should become a Soviet Champaign. S. Sorokin. Zakup. sel'khoz. prod. no. 5:14 My '64.

**KUBAN VALLEY—STREAM MEASUREMENTS**

Determination of average monthly discharges and evaluation of the irrigation capacity of unstudied rivers of the upper reaches of the Kuban. G.D. Chikvashvili. Trudy TbilNIGMI. no. 12:116-123 '63.

**KUGITANGTAU—ORE DEPOSITS**

Effect of sulfates containing vadose waters on ore deposition. N.P. Poddubnyi. Uzb. geol. zhur. 8 no. 5:53-60 '64.

**KUGITANGTAU—SULFATES**

Effect of sulfates containing vadose waters on ore deposition. N.P. Poddubnyi. Uzb. geol. zhur. 8 no. 5:53-60 '64.

**KUL'DZHIKTAU—METALS, RARE AND MINOR**

Rare elements in phosphorites and phosphatized Creta- ceous formations in the Kul'dzhuk-Tau (Kyzyl-Kum). I.D. Kapastianskiy. Nauch. trudy TashGU. no. 2:19 Geol. nauki. no. 21:230-238 '61.

**KULIEV, KAISYN**

Reading Kaisyn Kuliev... V. Gofenshtetser. Nov. mir. 11 no. 2:253-257 F '65.

**KULISH, MYKOLA HUROVYCH, 1892-1937**

Autobiographic materials of Mykola Kulish. I.A. Lutsenko. Rad. lit. 9 no. 4:69-70 Ap '65.

**KULTAK OIL FIELD—OIL WELL CEMENTING**

Controlling a gasser at well No. 1 in the Kultak area. I.A. Avdeev, S.M. Gamzatov, L.A. Lykov. Burenie. no. 3:29-31 '61.

**KUMA VALLEY (STAVROPOL TERRITORY)—PETROLEUM**

Recent data on the distribution of red-colored and magmatic rocks in the Kuma region of eastern Ciscaucasia. S.M. Chernyshev and others. Izv. vys. ucheb. zav. i nauch. i. gaz. 8 no. 3:8,12 '65.

**KUMAK VALLEY—SOILS—TRACE ELEMENT CONTENT**

Forms of trace elements in some soils of the Otya-Kumak watershed. I.A. Kiyin. Pochвоведение. no. 5:37-47 My '65.

**KUNGUR DISTRICT—CAVES**

Meelki caves. V.S. Lukin. Peshechery. no. 4:20-33 '64.

**KUNTSEVO (MOSCOW PROVINCE)—WOMEN AS LAWYERS**

Vocation. I.U. Lurie. Sov. iust. 20 no. 7:27-28 Ap '65.

**KUPALOV, PETR STEPANOVICH, 1880-1964**

Petr Stepanovich Kupalov. I.V. Danilov and others. Zhur. vya. i. detat. 16 no. 2:195-201 Mr.-Ap '65.

**KUPYANSK DISTRICT—COURTS**

Positive experience with the work of the people's court in Kupyansk District. I. Datsenko. Rad. pravo. 20 no. 3:70-71 My-Je '65.

**KURA-ARAS LOWLAND see Kura-Aras Lowland****KURA-ARAS LOWLAND—PARASITES—BIRDS**

Helminth fauna of piscivorous birds in the bodies of water of the Kura-Aras Lowland of Azerbaijan. S.M. Vaidova. Trudy Inst. zool. AN Azerb. SSR. 24:99-108 '65.

Helminths of birds (Galliformes, Columbiformes, Otidiformes, Ciconiiformes) in the Kura-Aras Lowland of Azerbaijan. G.B. Kasimov, N.A. Feizulaev. Trudy Inst. zool. AN Azerb. SSR. 24:85-90 '65.

**KURA-ARAS LOWLAND—WORMS, INTESTINAL AND PARASITIC**

Helminth fauna of piscivorous birds in the bodies of water of the Kura-Aras Lowland of Azerbaijan. S.M. Vaidova. Trudy Inst. zool. AN Azerb. SSR. 24:99-108 '65.

Helminths of birds (Galliformes, Columbiformes, Otidiformes, Ciconiiformes) in the Kura-Aras Lowland of Azerbaijan. G.B. Kasimov, N.A. Feizulaev. Trudy Inst. zool. AN Azerb. SSR. 24:85-88 '65.

**KURAMA RANGE—GARNET**

Andradite-spessartine-grossulars from the Kurama Mountains. N.T. Uklonskaya. Nauch. trudy TashGU. no. 240. Geol. nauki. no. 21:40-43 '64.

**KURAMA RANGE—MINERALS**

Distribution of accessory minerals in granites in the central part of the Chaikol-Kurama Mountains. K. Urumbayev. Uzb. geol. zhur. 9 no. 1:20-28 '65.

**KURAMA RANGE—TRACE ELEMENTS**

Distribution of impurity elements in the process of hypogenic mineralization in the Chukoi-Dzhilga complex metal deposit. A.S. Kudryavtsev. Uzb. geol. zhur. 9 no. 1:41-48 '65.

**KURGANTEPA DISTRICT—COTTON GROWING—LABOR PRODUCTIVITY**

Possibilities for increasing labor productivity on collective farms of the Kurgantepa Agricultural Administration. D.I. Khushkhodzhaeva. Sbor. nauch. rab. asp. SotuzNKHI. no. 5:17-23 '64.

**KURILE ISLANDS—GAME AND GAME BIRDS**

Terrestrial game animals and their distribution on the Kurile Islands. V.G. Voronov. Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR. no. 11:30-38 '63.

**KURILE ISLANDS—REPTILES**

Materials on herpetofauna of Sakhalin and the Kurile Islands. S.D. Pereleshin, P.V. Terent'ev. Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR. no. 14:3-20 '63.

**KURILE ISLANDS—SEA OTTERS—FOOD**

Feeding habits of Kurile sea otters. A.M. Nikolayev, V.A. Skalkin. Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR. no. 11:54-78 '63.

**KURSK MAGNETIC ANOMALY—ELECTRONIC DATA PROCESSING—STRIP MINING**

Algorithm of the control of a mining complex with an averaging system, Lebedi Mine. B.I. Aleinikov, R.V. Orlov, V.G. Barylev. Izv. vys. ucheb. zav. i nauch. i. gaz. 8 no. 2:20-25 '65.

**KURSK MAGNETIC ANOMALY—ORE DRESSING**

Conference on preparing Kursk Magnetic Anomaly iron ores for smelting. L.T. Ozolin. Obog. rud. 8 no. 4:47 '64.

**KURSK PROVINCE—IRRIGATION—RESEARCH**

Ginallo, F.T. [Some results of scientific research work of the Kursk Regional Experimental and Land Improvement Station.] Nekotorye itogi nauchno-issledovatel'skoi raboty Kurskoi zonal'noi opytno-meliorativnoi stantsii. Kursk, Kurskoe knizhnoe izd-vo, 1960. 73 p. [DUAL MICROFILM]

**KUSIK'IAN, IOSIF KARPOVICH, 1890-1964**

Iosif Karpovich Kusik'ian; an obituary. I.U. D. Desheriev, E.G. Tumanian. Izv. AN SSSR. Ser. lit. i. 24 no. 2:180-191 Mr.-Ap '65.

**KUSTANAY PROVINCE—ANTHOMYIDAE**

Species and abundance of Chortophila Macq. flies in populations of the virgin lands and wheat fields of Kustanay Province. A.G. Ageeva. Trudy Vses. ent. ob-va. 50:89-102 '65.

**KUSTANAY PROVINCE—GROUND BEETLES**

Effect of virgin steppe plowing on species and the abundance of ground beetle populations (Carabidae). E.V. Tihova, T.N. Zhavoronkova. Trudy Vses. ent. ob-va. 50:103-120 '65.

**KUSTANAY PROVINCE—HAMSTERS**

Ecology of the hamster Cricetus eversmanni in Kustanay Province. R.A. Alimbaev. Vest. sel'khoz. nauki [Kazakh.]. 8 no. 4:101-106 Ap '65.

**KUSTANAY REGION—ORTHOPTERA**

Change in the composition of life forms of Orthoptera after the development of virgin steppes. G.A. Popov. Trudy Vses. ent. ob-va. 50:121-128 '65.

**KUYBYSHEV—A PARTMENT HOUSES—DESIGN AND CONSTRUCTION**

Spyak, N.I.A., and others. [Large-panel apartment houses of keramzit concrete; practices of trust No. 25 of the Kuybyshev Economic Council.] Kuznopoln'nye zhilye doma iz keramzitobetonu; opyt trest. no. 25 Kuybyshevskogo sovnarkhoza, Moskva, Gosstroizdat, 1962. 47 p. [MICROFILM]

**KUYBYSHEV—LATHES—TECHNOLOGICAL INNOVATIONS**

Modernizing the TT-44 and TT-44M semiautomatic lathes. B.F. Tsylin. Mash. i. obr. no. 4:25-28 '65.

**KUYBYSHEV—SCHOOL SUPERVISION**

Public inspector relates. M. Edel'nar. Prof. i. tekhn. obr. 22 no. 4:12-13 Ap '65.

**KUYBYSHEV—SHIPS—MAINTENANCE AND REPAIR**

Work organization and the quality of ship repair. I.U. Kisebnikov. Rech. transp. 24 no. 3:31 '65.

**KUYBYSHEV DISTRICT—AGRICULTURAL WORKERS—EDUCATION AND TRAINING**  
The district party committee and the supervisory personnel V Solomakha Part zhizn' no 10:26-29 My '65

**KUYBYSHEV PROVINCE—COLLECTIVE FARMS—LABOR PRODUCTIVITY**  
The party committee and the brigade party organizations, I. Promin. Part zhizn' no 11:32-36 Je '65

**KUYBYSHEV PROVINCE—OIL WELL DRILLING FLUIDS**  
New methods for eliminating circulation losses in Kuybyshev Province I. I. Frutkinov Burenie no. 1: 17-18 '64.

**KUYBYSHEV PROVINCE—RURAL SCHOOLS**  
In the rural schools of Kuybyshev Province. A. Kh. Guskov. Shkola i proizv. 9 no 5:88-89 My '65

**KUYBYSHEV PROVINCE—SCHOOLHOUSES**  
Let's bring aesthetics into children's lives. A. K. Kudeva. Doshk. vosp. 38 no 1:75 Ja '65

**KUYBYSHEV PROVINCE—SUGAR BEETS—FERTILIZERS AND MANURES**  
Effect of irrigation and fertilizers on the yield of sugar beets E I Porot'kin Agrokhimia no 4 67-71 Ap '65

**KUYBYSHEV PROVINCE—SUGAR BEETS—IRRIGATION**  
Effect of irrigation and fertilizers on the yield of sugar beets E I Porot'kin Agrokhimia no 4 67-71 Ap '65

**KUYBYSHEV PROVINCE—SWINE—FEEDING AND FEEDS**  
Swine fattening section on a state farm. V. Koba Tekh. v sel'khoz 15 no 4:27-29 Ap '65

**KUYBYSHEV RESERVOIR—WATER FLEAS**  
Occurrence of Cyclops vicinus var kikuchii Smir in Kuybyshev Reservoir M N Dziuban Zool zhur 44 no 2:288-291 '65.

**KUZ'MIN, VASILII ALEKSANDROVICH**  
Hero of Socialist Labor. E I Khilusov Poligrafia no 5:23-26 My '65

**KUZNETSK ALATAU—ROCKS, SEDIMENTARY**  
Volcanic complexes of the Kuznetsk Alatau. V P Bolitukhin, IU. D Skobelev, G. P Turchenko. Trudy SNIIGGIMS no 35 5-16 '64.

**KUZNETSK BASIN—COAL—PLASTIC PROPERTIES**  
Characteristics of the plasticity of Kuznetsk Basin coal IA M Obukhovskii, A M Sheikhet, P IA Gold'berg Koks i khim no 4:1-5 '65

**KUZNETSK BASIN—COAL MINES AND MINING**  
Drifting 2,075 running meters in one month with the PKG-3 cutter-loader at the "Baidashevskiy ukladnyy" mine. A I Khalimov, V V Bulatov, G G Vladimirov Ugol' 40 no 4:6-10 Ap '65.  
Working contiguous seams at the "Berezovskaya-1" mine of the Kemerovugol' Trust R G Kolomin. Ugol' 40 no 4:43 Ap '65.

**KUZNETSK BASIN—COAL MINES AND MINING—FINANCE**  
Factors in differentiating the amounts of amortization deductions in Kuznetsk Basin mines V D Rechin, S A Smirnova, R I Shilazhas Ugol' 40 no 4:58-62 Ap '65

**KUZNETSK BASIN—COAL MINES AND MINING—FIRES AND FIRE PREVENTION**  
Flameless blasting in Kuznetsk Basin mines. N. I. Aleksan'drov. Bezop. truda v prom. 9 no 5:9-13 My '65  
Searching for antipyrrogenic substances to prevent and extinguish endogenic fires in Kuznetsk Basin mines. V M. Maevskaya Nauch soob VostNI no 1 58-62 '61.

**KUZNETSK BASIN—COAL PREPARATION PLANTS—SAFETY MEASURES**  
Investigating the explosiveness of dust in Kuznetsk Basin coal preparation plants M I Lazarenko Nauch soob. VostNI no 1:35-40 '61

**KUZNETSK BASIN—MACHINERY INDUSTRY**  
Use of compressed wood in the machinery industry of the Kuznetsk Basin. A. U. Margules. Mashinostroitel' no. 5:41-42 My '65.

**KUZNETSK BASIN—MINE HAULAGE**  
Using combined truck and railroad haulage in open pit mines of the southern Kuznetsk Basin. M. M. Berezniak and others. Ugol' 40 no 4:46-48 Ap '65.

**KUZNETSK BASIN—MINE WATER—SAFETY MEASURES**  
Inflow of clay into Kuznetsk Basin mines D. T. Slan'tev, IU. M. Kartashov Bezop. truda v prom 9 no. 4:34 Ap '65

**KUZNETSK BASIN—MINERAL WATERS**  
New area of the development of carbonated mineral waters in the Kuznetsk Basin A. M. Ovchinnikov, G. M. Rogov, L. A. Solonko Izv vys ucheb zav , geol i razv 7 no 11:71-76 N '64

**KUZNETSK BASIN—STRIP MINING**  
Determining the physicochemical properties of rocks in dump piles in Kuznetsk Basin mines P I Tomakov, N. S. Popov Ugol' 40 no 4:44-46 Ap '65.

**KUZNETSOV, KIRILL PAVLOVICH**  
In combat and in labor T Zhovinskaya. 38 no 5:21-22 My '65

**KYZYL KUM—LAMELLIBRANCHIATA, FOSSIL**  
Find of Cambrian fauna in the central Kyzyl Kum. T. I. Khairullina. Uzb. geol. zhur. 8 no. 1:84-87 '64.

**KYZYL KUM—MOLLUSKS, FOSSIL**  
Complex of Senonian Trigonoides in the Katak-Tau (eastern Kyzyl-Kum) R IU Muzfarova Nauch trudy TashGU no 249 Geol nauki no 21:212-216 '64

**KYZYL KUM—PALEONTOLOGY, STRATIGRAPHIC**  
Presence of faunally characterized Cambrian sediments in the central Kyzyl Kum. K. K. Platkov, I. A. Pianovskaya, A. K. Bukharina. Uzb. geol. zhur. 8 no. 1:87-88 '64.

**KYZYL KUM—PYRITES**  
Geological and geochemical correlation of pyrite manifestations in the central Kyzyl Kum with some pyrite deposits in the Southern Urals. I. Kh. Khamrabayev and others. Uzb. geol. zhur. 8 no. 4:18-29 '64.

**KYZYL KUM—SALT DEPOSITS**  
Some geochemical characteristics of salt accumulation in the Lyavlyakan group of lakes in the Kyzylkum. I. V. Rubanov. Uzb. geol. zhur. 8 no. 5:7-14 '64

**KYZYL KUM—TRILOBITES**  
Find of Cambrian fauna in the central Kyzyl Kum. T. I. Khairullina. Uzb. geol. zhur. 8 no. 1:84-87 '64.

**KYZYL-ORDA PROVINCE—SOILS—SULFUR CONTENT**  
Sulfate reduction in the flooded soils of Kyzyl-Orda Province. A. N. Illaletdinov. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 2:15-19 Mr-Apr '65.

**LABELING MACHINES**  
Adhesives for linear labelling machines. V. I. A. Krasnaya and others. Kons. i ov. prom. 20 no. 4:31-32 Ap '65

**LAINSK DISTRICT—AUDITING AND INSPECTION**  
How I verify the reliability of report data. V. Felchok. Vest stat no 5:63-65 '65.

**LABOR (OBSTETRICS)**  
Activity of some transaminases in the blood serum in weak labor IU D. Zhordania Soob AN Gruz SSR 37 no 3:737-744 Mr '65  
State of fibrinolytic activity of the blood in labor and postpartum period. A. M. Efendiev. Dokl. AN Azerb. SSR 21 no. 2:71-75 '65.  
Study of the blood coagulative and anticoagulative systems of the blood in parturients and puerperants V A Alekseev, Akush. i gin. 40 no 5:110-114 S-O '64

**LABOR, COMPLICATED**  
Créatinuria in labor atonia, one of the abnormal labor forms A. D. Kuznetsova, A A Rubol'. Akush. i gin 40 no. 5:38-41 S-O '64  
Importance of organic heart diseases in the outcome of pregnancy and labor complicated by obstetric pathology IU. A. Paskhalova. Akush. i gin 40 no. 5:114-118 S-O '64  
Intravenous administration of oxytocin for the induction and stimulation of labor. T. N. Moroz. Akush. i gin. 40 no 5:41-46 S-O '64.

Massive medicinal prevention of hemorrhages during the placental period. I. Shitarkalev and others. Akush. i gin 40 no 5:78-80 S-O '64

Stimulation of the contractile activity of the uterus with spherophycin. N. P. Naidenova Akush. i gin. 40 no. 5:46-51 S-O '64  
Uterine inertia and the intrauterine fetus. S. M. Bekker. Akush. i gin. 40 no. 5:35-38 S-O '64.

**LABOR AND LABORING CLASSES**  
(see also subdivision under Iran; Japan; Kirghizistan, Leningrad; Moldavia; Osetia, North, Siberia; Siberia, Western; Turkey; Ukraine; White Russia)  
Bellakov, A. P. [Historiography of the labor exploit of the Soviet people during the years of the Great Patriotic War, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Istoriofografiya trudovogo podviga sovetskogo naroda v period Velikoi Otechestvennoi voyny; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk, Nauchn. rukovoditel' P. A. Zhilin, Moskva, Mysl', 1964, 15 p.

[MICROFILM]

Foreign literature on the history of Russia's proletariat. IU. I. Kir'ianov, N. IA Krasnova, P V. Pichina. Ist. SSSR 9 no 2:180-193 Mr-Apr '65.

From the history of the formation of a strata of hired workers in the first quarter of the 18th century. N. B. Goltikova. Ist. SSSR 9 no 1:75-93 Ja-F '65.

Kiselev, I. A., and M. G. Moshenskii. [Bourgeois labor theories in the service of monopolies] Burzhuaiznye teorii truda na sluzhbu monopolii. Moskva, Mysl', 1965. 138 p.

"Liberation of labor is a problem neither local nor national" V Podzerko Vsern prof. dvizh. no 3:1-2, 8 My '65

Role of the masses and personality in the historical process. V. Rodin. Komm. Vooruzh. Sil 46 no. 4:51-59 F '65.

The struggle of the working class of capitalist countries at the present stage Komm. Vooruzh. Sil 46 no 7:67-72 Ap '65.

Struggle of the working class of capitalist countries at the present stage L Vinogradov, I Undonaynov. Komm. Vooruzh. Sil 46 no. 4:60-66 F '65.

**LABOR AND LABORING CLASSES—EDUCATION**  
(see also subdivision under Volgograd)

Batyshov, S. IA. [Training and improving workers' qualifications in production] Podgotovka i povyshenie kvalifikatsii rabochikh na proizvodstvo. Moskva, Vysshaya shkola, 1965. 261 p.

**LABOR DISCIPLINE**  
(see also subdivision under Sverdlovsk Province)  
The birth of socialist labor discipline, the end of 1917 to the summer of 1918. L. B. Genkin. Ist. SSSR 9 no. 1:3-27 Ja-F '65

**LABOR DISPUTES**  
Specific procedural provisions for the determination of labor litigations E Filipov, E Klenov. Sov. iust 20 no. 7:14-15 Ap '65

**LABOR LAWS AND LEGISLATION**  
(see also subdivision under Sverdlovsk Province)  
Davidovich, IA. I., and B. F. Khramtsov. [Hiring, transfer, labor discipline and dismissal of employees] Priem na rabotu, perevod, disiplina truda i увольнение rabotnikov. Izd. 2, ispr. i dop. [Kazan'] Izd-vo Kazanskogo univ., 1964, 154 p.

Legal status of employees performing the duty of a vacant position. B K Begichev. Sov. gos. i pravo 35 no 5:110-115 My '65.

Specific procedural provisions for the determination of labor litigations E Filipov, E. Klenov. Sov. iust. 20 no. 7:14-15 Ap '65.

Statute of limitations in Soviet labor law. R. I. Dvinskii Sov. iust. 28 no. 12:45-17 Je '64.

Survey of labor legislation. Sots. trud 10 no. 2:146-148 '65.

**LABOR LAWS AND LEGISLATION, INTERNATIONAL**  
Labor and its regulation in international law. V. K. Sobakin, A V Platakov Sov. gos. i pravo 35 no 5:111-144 My '65

**LABOR PARTY (GREAT BRITAIN)** see Great Britain—Labor Party

**LABOR PASSPORTS**  
The main thing is the attitude toward work. K. Urzhin'skii. Sov. iust 28 no. 12:14 Je '64.

**LABOR PRODUCTIVITY**  
Moscow. Akademiya obshchestvennykh nauk. [Problems of increasing the efficiency of public labor in the U. S. S. R.] Problemy povysheniia effektivnosti obshchestvennogo truda v SSSR, sbornik statei. Red. kollegiya: A. N. Grzhegorzhevskii i dr. Moskva, Mysl', 1965. 364 p.

The most important potentiality of our economy. V. Shurucov. Sov. profsoyuzy 21 no. 11:14-16 Je '65.

The most important, the main thing for the victory of communism. S. P. Ekhoi ov Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3:5-13 '65.

**LABOR PRODUCTIVITY—STATISTICS**

Baklanov, G. I. [Statistical measurement of labor productivity in industry] Statisticheskoe izmerenie proizvoditel'nosti truda v promyshlennosti. Moskva, Statistika, 1965. 61 p.

**LABORATORY ANIMALS**

Methods for obtaining pur gallbladder and liver bile in chronic experiments M. V. Nesterin, R. V. Narodetskii. Biol. eksp. biol. i med. 59 no 4:120-123 Ap '65.

**LABYRINTH (EAR)**

Change in vestibular somatic reflexes in man in relation to the functional state of the cerebral cortex. I. S. Usachev. Voen.-med. zhur. no. 7:59-62 '64.

Examination of the vestibular apparatus by the method of combined stimulation of its sensory nerve receptors. V. G. Bazarov. Voen.-med. zhur. no. 7:55-59 '64.

- LABYRINTH (EAR) (Continued)**  
Properties of some quantitative characteristics of the vestibular analyzer in rabbits. B. B. Bokhov, A. A. Shipov. *Biul. eksp. biol. i med.* 59 no. 1-12-14 Apr '65.
- LABYRINTH (EAR)—DISEASES**  
Correlation between asymmetry of vestibular nystagmus and bioelectrical activity of the cerebral cortex. I. A. Skliut, S. T. Ginzburg. *Zhur. nov. i psikh.* 65 no. 5: 652-656 '65.  
Diseases of the internal ear following barotrauma. I. A. E. Shipabei, R. G. Anutlin. *Voen.-med. zhur.* no. 7 68-69 '64.
- LABYRINTH (EAR)—SURGERY**  
Conditioned statokinetic reflexes in dogs following extirpation of the temporal lobes of the cerebral cortex and labyrinthectomy. V. A. Kisliakov. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3-63-67 '65.
- LACRIMAL ORGANS**  
Content of stalic acid in lacrimal and salivary secretions in dogs during conditioned and unconditioned stimulations. P. S. Kupalov, I. A. Lapina. *Zhur. vys. nat. v. deiat.* 15 no. 2-311-317 Mar-Apr '65.
- LACTAMS**  
Lactones and lactams. Report No. 25. Allylthiolactams. F. P. Side'kovskaya, A. A. Avetisyan, M. F. Shostakovskii. *Izv. AN SSSR, Ser. khim.* no. 4:702-708 '65.
- LACTIC ACID BACTERIA**  
Interrelationship between lactic acid bacteria and yeasts in the process of alcoholic fermentation. M. L. Andrusenko, A. I. Runov. *Uzb. biol. zhur.* 9 no. 2-20-32 '65.  
Respiration and oxidative phosphorylation in homo- and heterofermentative lactic acid bacteria. M. K. Karpenko, B. I. Kvasnikov, A. A. Burakova. *Mikrobiol. zhur.* 26 no. 3 6-13 '64.
- LACTIC ACID BACTERIA—CULTURES AND CULTURE MEDIA**  
Desiccation of *Lactobacillus acidophilus* in pure culture and together with *Azotobacter*. L. F. Abyrova, M. S. Polonskaya, V. V. Leonovich. *Dokl. Akad. sel'khoz. nauk* no. 2-20-24 Apr '65.
- LAFARGUE, LAURA, d. 1911**  
Correspondence between Friedrich Engels and Paul and Laura Lafargue. *Vop. filos.* 19 no. 4:145-180 '65.  
Correspondence between Friedrich Engels and Paul and Laura Lafargue. *Vop. filos.* 19 no. 5:126-140 '65.
- LAFARGUE, PAUL, 1842-1911**  
Correspondence between Friedrich Engels and Paul and Laura Lafargue. *Vop. filos.* 19 no. 4:145-180 '65.  
Correspondence between Friedrich Engels and Paul and Laura Lafargue. *Vop. filos.* 19 no. 5:126-140 '65.
- LAGOCHILUS—THERAPEUTIC USE**  
Hemostatic effectiveness of *Lagochilus tinctoria* in dermatoplasty in burns. A. Kh. Khaidarov, S. A. Mul'landov. *Vest. khir.* 92 no. 6 109-110 Je '64.
- LAKES** see subdivision under Bologoye District, Franz Josef Land; Paravani Valley
- LAMBS**  
Function of the thyroid gland in lambs. B. U. Isaev. *Izv. AN Kazakh. SSR, Ser. biol. nauk* 3 no. 2:90-95 Mar-Apr '65.
- LAMELLIBRANCHIATA, FOSSIL** see subdivision under Kyzyl Kum
- LAMINAR FLOW**  
Laminar flows of a conducting fluid in pipes and channels in the presence of a magnetic field. S. A. Regier. *Mag. khir.* no. 1-5-17 '65.
- LAMINATED METALS**  
Gladyshevskaya, S. A., and others. [Two-layer steel in chemical machine building]. *Drukshloinye stali v khimicheskoi mashinostroenii*. Moskva, Mashinostroenie, 1965, 151 p.  
Lutsuk-Khudin, V. A. [New method of producing two-layer rolled plate for high-pressure vessels]. *Novyi sposob proizvodstva tolstostennogo dvukhsloynogo prokata dlia sudovoy davleniya*. Kiev, Naukova dumka, 1965, 59 p.  
Study of metal grinding in combination cold rolling. E. S. Shpichinskii, S. G. Khaitulin. *TSvet. met.* 38 no. 4:70-72 Apr '65.
- LAMINATED METALS—TESTING**  
Comparative testing of bimetal antifriction materials. V. L. Sobolev. *Standartizatsiya* 28 no. 3-41-43 Mar '65.
- LAMPREYS** see subdivision under Bering Sea
- LAND**  
Construction, land, and economic expediency. Lashchenko. *Ekon. sel'khoz.* 40 no. 4 82-89 Apr '65.
- LAND—MAPS** see subdivision under Verkhnecheprovsk District
- LAND TENURE**  
(see also subdivision under Estonia; India)  
Equal land distribution in the European part of the Russian Federation in 1918. V. R. Gerasimuk. *Ist. SSSR* 9 no. 1 94-103 Ja-F '65.  
Our replies to questions. *Sov. iust.* 29 no. 7 31 Apr '65.
- LANDA, ABRAM MOISEEVICH, 1894-1964**  
In memory of Professor A. M. Landa. *Ortop. i travm. i protez.* 26 no. 2:92 F '65.
- LANDFORMS**  
(see also subdivision under Abkhazia; Carpathian Mountains; Crimean Mountains; East European Plain; Kodry, Kolkhida Lowland; Lvov region; Moldavia; Ukraine, Volyn' Province)  
Study of landforms for the purpose of city planning. I. A. R. Dorfman. *Geog. sbor. L'vov. otd. Geog. ob-va SSSR* no. 2:64-70 '64.
- LANDFORMS—MAPS**  
Methods and the organization of work for the plotting of a relief map of the U.S.S.R. made on a 1:4,000,000 scale. A. G. Isachenko. *Geog. sbor. L'vov. otd. Geog. ob-va SSSR* no. 2:14-19 '64.
- LANDLORD AND TENANT** see subdivision under Ukraine
- LANDSCAPE ARCHITECTURE** see subdivision under Tadzhikistan
- LANDSCAPE GARDENING** see subdivision under Moldavia, Turkmenistan, Volga-Baltic Sea Waterway
- LANDSLIDES**  
(see also subdivision under Georgia)  
Evaluating the causes of the development of landslide phenomena by the correlation method. R. I. A. Tsyganyov. *Izv. vys. ucheb. zav.; geol. i razv.* 7 no. 11:31 N '64.  
Present status of the theory of the deep creep of slopes. G. I. Tor-Stepanian. *Izv. AN Arm. SSR, Nauki o zem.* 18 no. 1:47-59 '65.
- LANGUAGE AND LANGUAGES**  
Bulakhovskiy, L. A. [Essays on general linguistics]. *Narysy z zahal'nogo movoznavstva*. Vyd. 2, vypravleno i dop. Kyiv, Radians'ka shkola, 1959, 307 p. (NNC)  
Kolshanskii, G. V. [Logic and the structure of language]. *Logika i struktura yazyka*. Moskva, Vysshaya shkola, 1965, 239 p. (Biblioteka filologa)  
Leningrad. Universitet. [Problems of general linguistics]. *Voprosy obshchego yazykoznanii*. [Leningrad] 1965, 185 p.  
Leon'tev, A. A. [The word in the speech process; some problems in the general theory of speech]. *Slovo v rechev. deiatel'nosti; nekotorye problemy obshchego teorii rechev. deiatel'nosti*. Moskva, Nauka, 1965, 244 p.
- LANGUAGE AND LANGUAGES—AUDIO-VISUAL AIDS**  
Installation "Magdi-KADI" in operation. E. G. Chechel, V. M. Shikov. *Vest. vys. shkoly* 23 no. 4:53-55 Apr '65.  
Tape recorder helps to master a foreign language: survey of articles. *Vest. vys. shkoly* 23 no. 4:48-52 Apr '65.
- LANGUAGE AND LANGUAGES—STUDY AND TEACHING**  
This helps their work. S. N. Serova, E. V. Gayendo. *Vech. sred. shkola* 8 no. 2:21-22 Mar-Apr '65.
- LANKINEN, LEO FOMICH, 1926-**  
Plotnikov, V. I. Leo Fomich Lankinen. Leningrad, Khudozhnik RSFSR, 1964, 28 p. illus. (Khudozhniki Rossiiskoi Federatsii) (NIC)
- LANTERN PROJECTION—EQUIPMENT AND SUPPLIES**  
Device for the remote control of the epidiascope. R. P. Skul'skiy. *Rad. shk.* 43 no. 4:96-97 Apr '65.
- LANTHANIDES** see Rare earths
- LANTHANUM COMPOUNDS**  
Complex formation of lanthanum with  $\alpha$ -amino acids. E. E. Kriss. *Ukr. khim. zhur.* 31 no. 4:328-332 '65.
- LANTHANUM SULFIDE**  
Preparation and certain physicochemical properties of lanthanum sulfides. V. I. Marchenko, G. V. Samsonov. *Izv. AN SSSR, Neorg. mat.* 1 no. 1:47-52 Ja '65.
- LAOS—COMMERCE**  
Economy and foreign trade of Laos. N. N. Voznesenskaya. *BIKI* [Prilozh.] no. 7:12-18 Je '65.
- LAOS—ECONOMIC CONDITIONS**  
Economy and foreign trade of Laos. N. N. Voznesenskaya. *BIKI* [Prilozh.] no. 7:12-18 Je '65.
- LAPEROUSE, JEAN FRANÇOIS, COMTE DE, 1741-1788**  
Meeting with Lapérouse. *Prirada* 54 no. 5:92-93 My '65.
- LAPTEV, BORIS LUKICH, 1935-**  
Boris Lukich Laptev, on his 60th birthday. A. P. Norden, B. N. Shapukov. *Izv. vys. ucheb. zav., mat.* no. 2 201-202 '65.
- LARCENY**  
Distinguishing between larceny and abuse of official position. S. Tararukhin, A. Svetlov. *Sots. zakon* 42 no. 5 65-68 My '65.  
Investigation by the court of the causes and circumstances conducive to crime. K. Skvortsov, I. Shraga. *Sov. iust.* 28 no. 12:20-21 Je '64.  
Larceny committed with the help of technical means. V. Vladimirov. *Sov. iust.* 28 no. 10-11-13 My '65.
- LARCH**  
(see also subdivision under Siberia)  
Chudinov, B. S., F. T. Tyurkov, and P. E. Zuban'. [Larch wood and its processing]. *Drevesna listvenitsy i ee obrabotka*. Moskva, Lennai promyshlennost', 1965, 143 p.  
Growth of larch in mixed plantations of various composition. A. G. Zyrtaev. *Sbor. rab. po les. khoz.* no. 46:114-128 '63.  
Periodicity of growth of the roots of the Siberian larch and the birch *Betula verrucosa*. Z. P. Zholobova. *Sbor. nauch. i issl. rab. VNIIMI* no. 28:12-16 '60.
- LARIONOVA, ALLA DMITRIYEVNA**  
Shalunovskii, V. Alla Larionova. [Moskva, Soluz. rabotnikov kinematografii SSSR, 1964, 1 v. (chiefly illus.)]
- LARKSPUR** see subdivision under Nakhichevan A. S. S. R.
- LARVAE—INSECTS**  
Biology of the cotton darkling beetle *Opatroides punctatus* Brulle (Coleoptera, Tenebrionidae) and the description of its larva. M. G. Nepesova. *Izv. AN Turk. SSR, Ser. biol. nauk* no. 2:57-63 '65.  
Composition of the midgut epithelium in the caterpillar of Lepidoptera. Chzhu Khai-tsin/Chu Hai-ching, E. G. Bekker. *Vest. Mosk. un. Ser. 6: Biol., pochv.* 20 no. 2: 63-71 Mar-Apr '65.  
A hot spring as the habitat of dragonfly larvae. B. F. Belyshev. *Trudy BGZ* no. 2:131-133 '60.  
Larvae of two ground beetle species of the Armenian S. S. R. (Coleoptera, Carabidae). S. M. Ishlov-Khazovrian. *Izv. AN Arm. SSR, Biol. nauki* 18 no. 1:29-33 Ja '65.
- LARYNX—CANCER**  
Histological characteristics of glycogen in cancerous tumors of the larynx. T. L. Tokhadze. *Soob. AN Gruz. SSR* 37 no. 3:701-708 Mar '65.
- LASERS**  
Continuous solar laser operating on  $Dy^{2+}$  in  $CaF_2$ . A. A. Kaminskii, L. S. Kornienko, A. M. Prokhorov. *Dokl. AN SSSR* 161 no. 5:1063-1064 Apr '65.  
Dynamics of a laser with two types of oscillation. N. G. Basov, V. N. Morozov, A. N. Orneevskii. *Dokl. AN SSSR* 162 no. 4:781-784 Je '65.  
Dynamics of laser emission with variable losses. Part 2. H. I. U. Buriakiv'skiy, V. S. Mashkevych. *Ukr. fiz. zhur.* 10 no. 4:398-400 Apr '65.  
Electromagnetic theory of injection lasers. H. F. Kazarinov and others. *Fiz. tver. tela* 7 no. 5:1506-1516 My '65.  
Fluoride cross section of the radiation beam from a laser. N. G. Basov, E. M. Belenov, V. S. Leikhtov. *Dokl. AN SSSR* 161 no. 4:789-801 Apr '65.  
Generation of superconducting states in pure semiconductors by illumination with a powerful laser. A. S. Selivanenko. *Fiz. tver. tela* 7 no. 5:1567-1568 My '65.  
Induced radiation in optically excited gallium arsenide. N. G. Basov, A. Z. Grasluk, V. A. Katulin. *Dokl. AN SSSR* 161 no. 5:1306-1307 Apr '65.  
Interaction of oscillatory modes in a laser. L. A. Ostrovskii. *Zhur. eksp. i teor. fiz.* 48 no. 4:1087-1096 Apr '65.  
A laser operating on  $CaF_2:Dy^{2+}$ . V. V. Kostin and others. *Dokl. AN SSSR* 161 no. 4:806-809 Apr '65.  
Laser with cylindrical mirrors. V. M. Klement'ev, H. D. Kolomnikov. *Radiotekh. i elektron.* 10 no. 5:956-957 My '65.  
Lasers and lasers with optical lighting. G. M. Zverev, A. M. Prokhorov, A. K. Shevchenko. *Radiotekh. i elektron.* 10 no. 5:788-803 My '65.  
Operation of a He-Ne laser with discharge in a hollow cathode. V. P. Chebotov, V. V. Pokasov. *Radiotekh. i elektron.* 10 no. 5:958-960 My '65.  
Operation of a ruby laser with modulated Q-factor. H. V. Balborodin and others. *Ukr. fiz. zhur.* 10 no. 4: 455-457 Apr '65.  
Quantum electronics. A. M. Prokhorov. *Prirada* 54 no. 5:37-42 My '65.  
Role of multiphoton processes in establishing the maximum power of lasers. F. V. Bunkin, A. M. Prokhorov. *Zhur. eksp. i teor. fiz.* 48 no. 4:1034-1036 Apr '65.  
Role of the diffusion of inverse population in the generation of induced radiation. E. L. Livshits, V. N. Tsikunov. *Dokl. AN SSSR* 162 no. 2:314-315 My '65.

## LASERS (Continued)

- Semiconductor lasers N. G. Bravov Usp. fiz. nauk 85 no 4:585-598 Ap '65
- Semiconductor quantum generators N. G. Bravov Priroda 54 no 3:42-50 M '65
- Use of lasers for the transmission of television picture and sound S. A. Alakshiev and others Tikh. kina i telev. 9 no 5:44-49 M '65

## LASERS—SPECTRA

- Emission spectrum of a ruby laser and its dependence on the properties of the resonator F. A. Kozlov, S. M. Mamedzade Vest. Mest. univ. Ser. 3: Fiz., astron. 20 no 2:33-39 M-Ap '65

## LATEX

- Coating on the basis of polymethyl methacrylate latex for finishing door boards from particle boards G. P. Plotnikova, R. A. Murtyshch, M. M. Shkharai Dni prom. 14 no 4:21-22 Ap '65

## LATHES

- Wood milling machine I. A. Churikov Shkola i proizv. 9 no 4:60-69 Ap '65

## LATHES—ATTACHMENTS

- Boring attachment A. G. Lysov Mashinostroitel' no 4: 12 Ap '65
- Grinding heads for lathes V. G. Adzhemov, V. A. Avakian V. S. Manukian Stan. i instr. 36 no 4:28-29 Ap '65

## LATHES—NUMERICAL CONTROL

- Analogue position system of program control for boring and turning lathes V. I. Tartakovskii and others Stan. i instr. 36 no 4:18-20 Ap '65
- Analysis of the use of lathes with numerical program control A. O. Etn, B. L. Shumilatskii Stan. i instr. 36 no 4:3-8 Ap '65
- Lathe with a single-leads pulsed system numerical program control O. N. Bobrin and others Stan. i instr. 36 no 4:12-15 Ap '65
- Reliability of the numerical program control system for lathes G. N. Molchanov, R. A. Mangutov, L. V. Peregudov Stan. i instr. 36 no 5:7-9 My '65

## LATHES—PARTS

- Investigating the rigidity of the faceplate of a heavy lathe V. V. Vasil'ev, E. A. Gorozhantsev, A. N. Efimov Stan. i instr. 36 no 5:32-34 My '65
- Mandrel for turning grooves I. V. Anisimov, Mashinostroitel' no 5:18 My '65
- Universal self-gripping guide clip G. A. Logachev, I. A. Roitman Shkola i proizv. 9 no 5:60-63 My '65
- Vertical cutter head D. V. Grigor'ev, N. P. Kondrat'ev, Shkola i proizv. 9 no 5:69-70 My '65

## LATHES—RELIABILITY

- Reliability potentials of the automatic turret lathes E. V. Kiper, V. P. Nikhalenko, I. T. Kovalev, Stan. i instr. 36 no 5:10-11 My '65

## LATHES—SAFETY APPLIANCES

- Protective screen for the TV-16 screw-cutting lathe S. S. Koval' Shkola i proizv. 9 no 5:53-54 My '65

## LATHES—TECHNOLOGICAL INNOVATIONS

- (see also subdivision under Kuybyshev)
- Flame projector on a lathe carriage E. Sergeev, Izobr. i rats. no 3:10-11 '65

## LATIN AMERICA—ECONOMIC INTEGRATION

- Romanova, Z. I. [Problems of economic integration in Latin America] Problemy ekonomicheskoi integratsii v Latinskoi Amerike, Moskva, Nauka, 1965, 249 p.

## LATIN AMERICA—FOREIGN ECONOMIC RELATIONS

- Loziuk, M. I. [Latin America and the U. S. A.; aggravation of economic contradictions] Latyn'ska Amerika i SSHA, poslyennia ekonomichnykh superechnostei, Kyiv, Naukova dumka, 1965, 298 p.
- Tarasov, K. S. [Alliance for the sake of plunder] Soluz radi grabezha, Moskva, Izd-vo "Znanie," 1965, 31 p. (Novos v zhizni, nauke, tekhnike, III Seriya; Ekonomika, no. 6)

## LATIN AMERICA—INVESTMENTS, AMERICAN

- The dollar booses Latin America V. Perlo Mezhdunar. zhizn' 12 no 5:74-85 My '65
- Solicitations of the monopolies A. Kartsev, Mezhdunar. zhizn' 12 no 5:129-130 My '65

## LATIN AMERICA—POLITICS

- The Congress of Solidarity with Cuba A. Mikheev, Nov. vrem. 22 no 22:18-20 My '65

## LATKIN, VASILII NIKOLAEVICH, 1809-1868

- V. N. Latkin and his diary on the trip to the Pechora P. P. Vavilov, L. A. Kudrinskaya, Izv. Kom. fil. Geog. ob-va SSSR no 2:70-75 '64

## LATVIA—COLLECTIVE FARMS—FINANCE

- How to determine the required aggregate rate of profit A. Kalnins Ekon. sel'khoz. 40 no 4:40-42 Ap '65

## LATVIA—PHYTOGEOGRAPHY

- Ecoti NSV Teaduste Akadeemia, Zoologia ja Botaanika Institut [Study of the vegetation of Saaremaa Island] Izuchenie rastitel'nosti ostrova Saaremaa, Tartu, 1964, 285 p.

## LATVIA—POLITICS AND GOVERNMENT

- Latvian S. S. R. Augustaka Padome [Meeting of the Fifth Supreme Soviet of the Latvian S. S. R. first session, March 16-17, 1959, Verbatim report] Latvijas PSR piekta sasaukuma Augstakas Padomes sedes pirma sesija 1959 gada 16-18 marta, Stenogriadi ska parskats, Riga, Latvijas Valsts izd-va, 1959, 345 p. [In Latvian and Russian]
- [MICROFILM]

## LATVIA—STATISTICS

- Latvian S. S. R. Statistika parvade [Soviet Latvia in figures, a statistical abstract] Padomju Latvija skaitlos, statistisko datu kraljums, Sovetskaja Latvija v isliski, statisticheski sbornik, Riga, Izdevniecibas "Statistika" Latvijas nodala, 1965, 389 p. [In Latvian and Russian]

## LATVIA—STATISTICS—CONGRESSES

- Conference of the statisticians of the Latvian S. S. R. F. P. Vest. stat. no 5:80-82 '65

## LATVIA—TEXTILE INDUSTRY—QUALITY CONTROL

- Efforts to improve the quality of production K. I. Belinaeva I. A. Gaitik S. A. Abramov Tekst. prom. 25 no 5:9-10 My '65

## LATVIA—WAGES—ACCOUNTING

- Distribution of hourly wages Z. Minkla, Bukhg. uchel. 22 no 3:20-22 Mr '65

## LAUNDRIES see subdivision under Leningrad

## LAUNDRY INDUSTRY

- Mechanization of the loading and unloading of centrifuges A. S. Kornopolev Sbor. nauch. rab. AKKH no 7:44-40 '61

- Pishchik, A. F., G. V. Sukhova, and A. A. Pishchik [Mechanical and semi-mechanical processing of laundry; a textbook for laundry industry workers] Mekhanicheskaya i polumechanicheskaya obrabotka bel'n, posobie dlia masterov prachechnogo proizvodstva, Moskva, Stroizdat, 1964, 80 p.

## LAUNDRY MACHINERY

- Determining the basic parameters of laundry centrifuges A. S. Kornopolev Sbor. nauch. rab. AKKH no 7:35-43 '61
- Studying the application of elastic vibrations in laundering A. I. Greshnev Sbor. nauch. rab. AKKH no 7:15-34 '61

## LAW

- (see also subdivision under Ukraine)
- Czechoslovak textbook on the history of the Soviet state and law O. I. Chistiakov, R. Kh. Mukhamedova, Sov. gos. i pravo 35 no 5:138-138 My '65
- New legislative enactments Sots. zakon 12 no 5:89-90 My '65

## LAW—BIBLIOGRAPHY see Bibliography—Law

## LAW—CASES see subdivision under Ukraine

## LAW—HANDBOOKS, MANUALS, ETC.

- "Legal manual for everybody." O. Seleznev, Rad. pravo 28 no 2:150-153 Mr-Ap '65

## LAW—PSYCHOLOGY

- (see also subdivision under Sverdlovsk Province)
- Formation of the social rules of communist society V. N. Podkulchenko, Sov. gos. i pravo 35 no 5:101-109 My '65

## LAW—STUDY AND TEACHING see subdivision under

- Chuvashia; Rostov Province; Ukraine

## LAW AND COMMUNISM

- (see also subdivision under Ukraine)

- E. A. Iakuba's "Law as a component part of the superstructure of the Soviet society in the period of the large-scale building of communism P. Nedialko and others, Rad. pravo 28 no 2:144-147 Mr-Ap '65

- Sapargaliev, M. S. [Two worlds, two systems of courts and law] Dva mira - dve sistemy sudn i zakonosti, Alma-Ata, Izd-vo "Kazakhstan," 1965, 142 p.

## LAW AND SOCIALISM

- Stuchka, P. I. [Selected works on the Marxist-Leninist theory of law] Izbrannye proizvedeniia po marksistsko-leninskoi teorii prava, Riga, Latviskoi gos. izd-vo, 1964, 740 p.
- (DS)

## LAW ENFORCEMENT

- (see also subdivision under Belaya Tserkov' District, Kirghizistan, Volgograd)

- The March Plenum of the Central Committee of the CPSU and our tasks I. Pankratov Sots. zakon 41 no 5:2-8 My '65

- Sapargaliev, M. S. [Two worlds, two systems of courts and law] Dva mira - dve sistemy sudn i zakonosti, Alma-Ata, Izd-vo "Kazakhstan," 1965, 142 p.

- Socialist legality is inviolable I. Holovchenko, P. Mykhailenko Rad. pravo 28 no 2:18-21 Mr-Ap '65

## LAW REPORTING

- Improve the procedure of preparing the trial record G. Shafar, IA. Marel' Sov. iust. 20 no 6:11-15 M '65

## LAW REPORTS, DIGESTS, ETC.

- Give more attention to having the laws and judicial decisions systematically compiled Sov. iust. 20 no 7:4-6 Ap '65

## LAWNS

- Formation of shoots of the common ryegrass (Lolium perenne L.), as affected by mowing used in the development of lawns M. M. Kosmodamianskaia, Izv. AN Mold. SSR no 10:30-34 '63

## LAWYERS

- (see also subdivision under Georgia; Leningrad)

- Decree of the Presidium of the Supreme Soviet of the U. S. S. R. of March 17, 1965, conferring the Order of the Red Banner on Comrade A. N. Mishutin, Bhit, Verkh. Suda no 2:14 '65

- How to facilitate the work of the bar Sots. zakon 12 no 5:77-80 My '65

- Let us continue the discussion V. Kutsopal, Sov. iust. 20 no 10:27 My '65

## LAZAREV STATION REGION, ANTARCTICA—SNOW

- Snow accumulation on the shelf ice in the region of the Lazarev and Novolazarevskaya Stations in 1962 I. M. Shonov Inform. biul. Sov. antark. eksp. no 40:13-18 '64

## LECHASHEN REGION (ARMENIA)—BURIAL

- Cattle from the Aeneolithic site of the Shengavit village and Bronze Age burials in the Lechashen village (Armenian S. S. R.) S. K. Mezhlumian Izv. AN Arm. SSR. Biol. nauki 18 no 3:64-74 M '65

## LEACHING

- (see also subdivision under Azerbaijan)

- Long-term use of mineralized ground waters for leaching and vegetative irrigation S. Mikhalkov, Sbor. nauch. rab. asp. SoizuzNIKHI no 5:312-320 '63
- Peculiarities of autoclave oxidation of binary sulfide alloys I. F. Khudjakov, A. S. Taroslavskiy, Tsvet. met. 38 no 4:45-40 Ap '65
- Subzone of the leaching oxidation zone in copper-molybdenum deposits V. Yu. Dedy, Uzb. geol. zhur. 9 no 1:20-34 '65

## LEAD—ANALYSIS

- Oscillographic polarography of lead in bioluminescence V. P. Gladyshev, G. P. Chimaeva, A. M. Ustimov, Zhur. anal. khim. 20 no 3:325-328 '65

## LEAD ACETATES

- Development of the method for fine purification of lead acetate solutions M. P. Belov [Trudy GIKPI no 51:10-15 '61

## LEAD IN THE BODY

- New methods of studying intramural nerve cells of the intestines and the principle of lead precipitate formation in cellular structures A. M. Chitngarian, Dokl. AN Arm. SSR 40 no 2:123-128 '65

## LEAD MINES AND MINING see subdivision under

- Zyryanovsk (East Kazakhstan Province)

## LEAD MOLYBDATE CRYSTALS

- Study of the paramagnetic resonance of erbium and europium in artificial PbMoO<sub>4</sub> single crystals A. A. Antipin and others Fiz. tver. tela 7 no 5:1420-1427 My '65

## LEAD ORES see subdivision under Caucasus, Northern

## LEAD SELENIDE CRYSTALS

- Chlorine diffusion in PbSe single crystals N. A. Fedorovich, Fiz. tver. tela 7 no 5:1504-1506 My '65
- Silver and sodium diffusion in lead selenide N. A. Fedorovich, Fiz. tver. tela 7 no 5:1503-1504 My '65

## LEAD SELENIDES—ELECTRIC PROPERTIES

- Electric and thermoelectric properties of heavily doped PbSe, Ia. S. Budzhak, I. U. Nemish, Ukr. fiz. zhur. 10 no 4:461-464 Ap '65

## LEAD SULFIDES

- Use of thioreson for the precipitation of thallium and lead sulfides V. F. Toropova, V. V. Belozarskaya, A. I. Chernitsyn, Izv. vyz. ucheb. zav. i khim. i khim. tekhn. 7 no 6:898-903 '64

## LEAD SULFIDES (Continued)

Volatilization rate of lead sulfide in the atmosphere of various gases at 900°-1400°C S. M. Kozhakhmetov and others Vest. AN Kazakh SSR 21 no. 4:81-79 Ap '65

## LEADERSHIP

Lenin, V. I. [V. I. Lenin about collective leadership] V. I. Lenin o kollektivnosti rukovodstva; sbornik. Moskva, Politizdat, 1965. 239 p

LEAF ROLLERS see subdivision under Ukraine

## LEAGUE OF ARAB STATES

The League of Arab States. V. Aleksandrov. Mezhdunar. zhizn' 12 no. 5:152-154 My '65.

## LEARNING, PSYCHOLOGY OF

Changes in the rate of information reprocessing during the formation of habits in the pilot operating the training apparatus V. A. I. go ov Voen.-med. zhur. no. 9:53-58 '64

Significance of the functional and sequential alteration of the stereotype in children of the pre-school age. E. N. Degtina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:33-35 '65.

## LEATHER

Development of the combined methods of sole leather production using urea-formaldehyde and chromium-sulfate compounds M. Sh. Oviutskii and others Izv. vuz. ucheb. zav. i tekhn. leg. prom. no. 2:70-74 '65

Metelkin, A. I. [New developments in the technology of wear-resistant sole leather] Novoe v tekhnologii iznosostoykikh podoshvennykh kozhi. Moskva, Legkaya Industriya, 1964. 27 p.

[MICROFILM]

## LEATHER--ANALYSIS

Moscow. Tsentralnyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [New methods for the analysis of leather raw materials and preserving agents] Noveye metody analiza kozhevennogo syr'ia i konservirovushchikh materialov. Moskva, 1964. 22 p. [MICROFILM]

## LEATHER, ARTIFICIAL

Bernshelm, M. Kh. [Manufacture of artificial leather in rolls on continuous production lines; a textbook] Proizvodstvo i ulonnoi iskusstvennoi kozhi na potochnykh liniyakh; uchebnoe posobie. Pod red. A. D. Zatonetskova. Moskva, Legkaya Industriya, 1964. 42 p. [MICROFILM]

Labko, I. A. M. [Present-day methods for pore formation in the manufacture of shoe-type artificial leather] Sovremennyye sposoby porozhazovaniya v proizvodstvo chumnykh tipov iskusstvennoi kozhi IK; uchebnoe posobie. Moskva, Legkaya Industriya, 1964. 41 p. [MICROFILM]

Investigating the reaction of pentacyclic diol with carboxylate latexes A. V. Lisovenko, M. S. Monastyrskaya, S. A. Pavlov Izv. vuz. ucheb. zav. i tekhn. leg. prom. no. 2:33-14 '65

## LEATHER INDUSTRY

(see also subdivision under Middle Volga Economic region)

Application of linear programming for the optimum specific utilization of raw leather material resources Report No. 1. G. P. Isiprian. Izv. vuz. ucheb. zav. i tekhn. leg. prom. no. 2:3-15 '65.

## LEAVE OF ABSENCE

There are various cases in life... N. Maksimova. Sov. profsoyuz 21 no. 10:23-23 My '65.

## LEAVES

Some data on vernalization and bud arrangement in woody plants. G. P. Belostokov. Nauch. dokl. vys. shkoly; biol. nauki no. 2:128-135 '65.

## LEAVES--ANATOMY

Characteristics of the formation of leaf apparatus in tetraploid sugar beets. U. E. Bormataev, B. F. Matrosau, U. K. Snuchanka. Vest. AN BSSR, Ser. biol. nav. no. 1:82-89 '65.

Wood and leaf structure in Piptanthus D. Don and Ammodendron Cheng F. N. V. Shilova. Bot. zhur. 50 no. 3:396-403 Mr '65.

## LEAVES--MORPHOLOGY

Comparative morphological study of the seedlings of some Betulaceae. I. A. Korchagina. Bot. zhur. 50 no. 3:335-349 Mr '65.

LEAVES, COLOR OF see Color of leaves

## LECHKUMI REGION (GEORGIA)--GEOMORPHOLOGY

Geomorphological features of present-day karstic relief of Lechkumi. Sh. I. A. Kiplani. Trudy Inst. geog. AN Gruz. SSR 20:79-103 '64.

## LECHKUMI REGION (GEORGIA)--KARST

Geomorphological features of present-day karstic relief of Lechkumi. Sh. I. A. Kiplani. Trudy Inst. geog. AN Gruz. SSR 20:79-103 '64.

## LECTURES AND LECTURING

(see also subdivision under Zmiyev, Kharkov Province)

How to prepare a lecture about the international situation. Mezhdunar. zhizn' 12 no. 5:158-159 My '65.

## LEG--BLOOD SUPPLY

Methodology for the evaluation of blood circulation in the vessels of the lower extremities in obliterating diseases and indications for reconstructive surgery N. S. Al'gin. Vest. khir. 94 no. 2:47-51 F '65

## LEG--FRACTURE

Osteosynthesis in open diaphyseal fracture of the leg. O. N. Markova, O. N. Gudushauri. Voen.-med. zhur. no. 8:32-36 '64.

Osteosynthesis with screws in oblique and spiral fractures of the leg bones. I. L. Krupko, S. I. Kravchenko. Ortop. travm. i protet. 20 no. 2:3-7 F '65

## LEG--ULCERS

Outpatient treatment of varicose ulcers with antibiotics, sponges and elastic bandages M. N. Livshits. Sov. med. 28 no. 1:113-116 Ja '65

## LEG--WOUNDS AND INJURIES

Chemical characteristics of the course of traumas of the lower extremities in children from the viewpoint of forensic medicine. V. I. Iankovskii. Sud.-med. ekspert. 8 no. 1:6-9 Ja-Mr '65.

## LEGAL AID

Arrangements for the reception of citizens in court should be improved. Sov. iust. 20 no. 10:1-3 My '65

## LEGAL RESEARCH

Tasks of the Institute of Soviet Law. Uch. zap. VNIISZ no. 2:3-15 '61.

## LEGISLATION

Legal nature of the acts issued by the Supreme Soviet of the U.S.S.R. D. A. Kovachev. Uch. zap. VNIISZ no. 2:57-76 '64

Relation between statute and decree. L. V. Lazarov. Sov. gos. i pravo 35 no. 5:62-69 My '65.

V. M. Gorsheneyev's "Participation of social organizations in the rule by law." M. Vityuk. Rad. pravo 28 no. 2:149-150 Mr-Apr '65

LEGUMES see subdivision under Uzbekistan; Zoravshan Valley

## LEGUMES--PHYSIOLOGY

Different ability of various legumes to assimilate phosphorus from hard-to-dissolve phosphates. P. A. Dmitrenko, P. I. Vityukovskii. Dokl. Akad. sei'khov. nauk no. 3:22-23 Mr '65.

LEGUMINOSAE see subdivision under Crimea

## LEIPZIG--FAIRS

At the 1965 jubilee spring fair in Leipzig. G. Baryshev. Muk.-elev. prom. 31 no. 5:31-32, 3 of cover My '65. Impressive show of scientific and technological achievements. A. Babadzhanian, L. Khudobin. Vses. torg. 45 no. 5:30-38 '65.

Machine tools at the Leipzig Spring Fair 1965 Stan. i instr. 36 no. 5:30-37 My '65

LEISHMANIASIS, CUTANEOUS see Delhi Boil

## LEISURE

Growth potentials and the rational use of workers' leisure time. A. A. Zemtsov. Vop. filos. 19 no. 4:61-69 '65. Leisure time and the raising of the scientific and technical level of workers in technology and engineering. V. G. Baikova. Vop. filos. 19 no. 4:69-74 '65.

Structural change in the leisure and working time of peasants during the Soviet period. A. S. Duchal. Vop. filos. 19 no. 4:74-80 '65.

## LENA DELTA--TROUT

Taxonomy of charrs of the genus Salvelinus of the Lena Delta. V. D. Lebedev, K. A. Savvatova. Vest. Mosk. un. Ser. 6: Biol., pochv. 20 no. 2:46-56 Mr-Apr '65.

## LENA VALLEY--FISHES, POISSON

Neolithic fishes found in the Kallata settlement near the Lena River. E. A. Tsepkin. Vest. Mosk. un. Ser. 6: Biol., pochv. 20 no. 2:57-62 Mr-Apr '65.

## LENGER (KAZAKHSTAN)--COMRADES COURTS

Can a misdeed of a Communist be examined by a comrades court? Part. zhizn' no. 11:43 Je '65.

## LENGER (KAZAKHSTAN)--MINERS

Can a misdeed of a Communist be examined by a comrades court? Part. zhizn' no. 11:43 Je '65.

## LENGTH MEASUREMENT

Evaluating the accuracy of linear measurements in the adjustment of traverses. V. I. Akulov. Izv. vuz. ucheb. zav. i serof. no. 5:12-18 '64.

## LENN, VLADIMIR IL'ICH, 1870-1924

Against distortion of facts and dissemination of lies. D. I. Zil'manovich. Vop. ist. KPSS 9 no. 6:99-103 Je '65.

Against dogma and a phrase. V. Lakshin. Nov. mir 11 no. 5:264-268 My '65.

Along the Lenin path. N. Kariotamm. Ekun. i polit. 40 no. 4:10-17 Ap '65. Armed with Lenin's works. V. I. Ilin. Bibliotekar' 12 no. 4:10-14 Ap '65.

Be concerned over the progress of technology in the Leninist way. N. Stofanov. NTO 7 no. 4:1-4 Ap '65

Be vigilant in the Leninist way. A. Koshnikov. Komm. Vooruzh. Sil. 46 no. 7:46-51 Ap '65

Bibliographic search for Lenin's works. N. Sakharov. Bibliotekar' 12 no. 1:15-17 Ap '65

Children's book about Lenin. A. I. Gotsdva. Sov. pedagog. 20 no. 4:132-131 Ap '65

Economics is the main field of the struggle for communism. S. Baishev. Nat. khov. Kazakh. 23 no. 1:4-7 Ap '65

Exposure of the petty-bourgeois nature of Trotskyism by Lenin in the pre-October period. S. L. Titarenko. Vop. ist. KPSS 9 no. 6:23-38 Je '65

First objective evidence. W. T. Goode. Priroda 54 no. 4:8 Ap '65.

Following Lenin's advice. B. Miasodov. Sov. pech. no. 4:4-6 Ap '65

Following the great precepts. Sov. pedagog. 20 no. 1:3-11 Ap '65

The founder of the Soviet state. Rad. pravo 28 no. 2:3-9 Mr-Apr '65

A friend and adviser of the Bulgarian Communists. Part. zhizn' no. 11:67-68 Je '65

The genius of proletarian thought and revolutionary action. V. P. Chaplin. Vop. filos. 19 no. 4:10-16 '65.

"Great classical example." L. Ur'eva. Vop. ist. 9 no. 4:230-231 Ap '65

Gumerov, F. Kh. [Against the bourgeois falsification of Lenin's principles of party development; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Protiv burzhuaznoi falsifikatsii leninskikh printsipov partijnogo stroitel'stva; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' S. S. Shaumian. Moskva, Mysl', 1964. 17 p. [MICROFILM]

Here Lenin read. P. Volik. Bibliotekar' 12 no. 1:9 Ap '65.

Il'ich's decisive aid. I. M. Gubkin. Priroda 54 no. 4:8 Ap '65.

In Vladimir Il'ich's library. Sh. Manuchar'yan. Bibliotekar' 42 no. 3:5-7 Mr '65

Inexhaustible sources of knowledge and energy. D. I. Mushketov. Priroda 54 no. 4:8 Ap '65.

Learn from Il'ich. B. Shokin. Sov. profsoyuz 21 no. 10:8-11 My '65.

Lenin, V. I. [Complete collected works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Izd-vo polit. lit-ry. Vol. 53. [Letters, June-November, 1921] Plis'ma. Iun'-noyabr' 1921. 1065. 545 p.

The Lenin age. B. Russell. Priroda 54 no. 4:7 Ap '65.

Lenin and the first Communists in Africa. A. Makrushin. Az. i Afr. seg. 8 no. 4:10-13, 16 Ap '65.

Lenin and the institutions of higher learning. M. N. Pokrovskii. Sov. pedagog. 20 no. 4:10-20 Ap '65

Lenin and the noncapitalistic way of development. G. Khin. Az. i Afr. seg. 8 no. 4:2-6 Ap '65.

Lenin on the scientific organization of work. M. Babin. Nauch. dokl. vys. shkoly; ekon. nauki 8 no. 3:34-42 '65.

Lenin on Tolstol. L. F. Denisova. Vop. filos. 19 no. 4:10-28 '65.

Lenin stood at the cradle of the Soviet institutions of higher learning. I. A. Braslavskii. Vest. vys. shkoly 23 no. 4:9-16 Ap '65.

Leninism conquers. Komm. Vooruzh. Sil. 46 no. 7:13-10 Ap '65.

Leninist methodological principles for the study of Oriental ideologies. A. D. Lishtman. Kiat. soob. Inst. nar. Az. no. 7:13-24 '64.

The Leninist principle of the unity of economic theory and practice. D. Virnyk. Ekon. Rad. Ukr. 8 no. 4:3-9 Ap '65.

Lenin's ideas on the electrification of the whole country; "On electrification" by V. I. Lenin. Reviewed by I. B. Kogan. Priroda 54 no. 4:120-121 Ap '65.

Lenin's method of research. N. K. Krupskaya. Sov. pedagog. 20 no. 4:12-14 Ap '65.

Lenin's principles in the development of Soviet science. Vest. AN Kazakh. SSR 21 no. 4:3-9 Ap '65.

Lenin's principles live and conquer. O. K. Romanovskiy. Rad. lit. 9 no. 4:3-10 Ap '65.

Let Tolstol as appraised by Lenin's "Iskra." I. V. Mal'tsev. Rad. lit. 9 no. 4:20-23 Ap '65.

[The living Lenin; writers' recollections of Lenin] Zhivoi Lenin; vospominaniya pisatelei o V. I. Lenine. Moskva, Khudozhestvennaya literatura, 1965. 349 p.



## LENIN, VLADIMIR IL'ICH, 1870-1924 (Continued)

- Memorable meetings. Polina Vinogradskaja. Nov mir 41 no 4-3-18 Ap '65
- Narskii, I. S.** [V.I. Lenin and contemporary bourgeois philosophy, certain problems in V.I. Lenin's work "Materialism and empiriocriticism"] V.I. Lenin i sovremennaya burzhuaznaya filosofiya (nekotorye problemnye knigi V.I. Lenina. "Materializm i empiriokrititsizm") Moskva, Izd-vo "Znanie," 1985. 47 p. (Nauch. v zhizni, nauke, tekhnike. II Seriya Filosofiya, no. 10)
- New Lenin documents on libraries. K. Abramov. Bibliotekar' 42 no 3-1-12 Mr '65
- Pages of reminiscences. B. Albert-Ploschchanskaja. Nov mir 41 no 4-15-24 Ap '65
- Proficiency of Lenin's penetration. V. Kruglov. Nauch. i tekhn. zhizn', ekon. nauki 8 no 3-71-76 '65
- The project of the world atlas. M. P. Pavlovich. Priroda 54 no 4-7 Ap '65
- Promotion of an invention. Izobretatel' 41 no 4-1-2 '65
- The road to the new earth. N. I. Gorbunov. Priroda 54 no 4-4-5 Ap '65
- Scope of Lenin's thought. Inform. biul. VDNKh no. 4-2-3 Ap '65
- Siberians to V. I. Lenin. V. S. Pozdanskii. Ist. SSSR 9 no 2-36-107 Mr-Apr '65
- Statistics is a tool for obtaining scientific information. V. Klybo. Nauch. dokl. vyzhskol., ekon. nauki 8 no 3-69-71 '65
- Stories about Lenin. E. Mar. Sov. potrebn. koop. 9 no 4-4-6 Ap '65
- Suslov, I. P.** [Industrial statistics in V.I. Lenin's works] Statistika promyshlennosti v rabotakh V.I. Lenina. Moskva, Statistika, 1965. 118 p.
- These words proved to be prophetic. . . . A. E. Fersman. Priroda 54 no 4-5 Ap '65
- Today in Stushenskoye. A. Seredukina. Bibliotekar' 42 no 4-0-11 Ap '65
- Tracing Lenin's instructions; documents. M. I. Zakhar'eva, L. A. Shapiro. Ist. SSSR 9 no. 2-74-96 Mr-Apr '65
- Unforgettable. I. Gordeev. Sov. potrebn. koop. 9 no 4-7-8 Ap '65
- Unforgettable. I. T. Iakhnovskii. Vop. Ist. KPSS 9 no 6-101-107 Je '65
- An urgent task. S. F. Ol'denburg. Priroda 54 no. 4-3 Ap '65
- V. I. Lenin, a friend and inventor. D. Lidin. Avtom. i telemekh. 9 no 4-12-13 Ap '65
- V. I. Lenin, and commodity and monetary relations. B. Mozhilov. Sov. torg. 38 no 4-1-3 Ap '65
- V. I. Lenin and Russian history, formation of Lenin's concept of the Russian historical process. M. E. Naidenov. Ist. SSSR 9 no 2-23-54 Mr-Apr '65
- V. I. Lenin and some aspects of the cultural revolution in the Ukraine. I. I. Kolomichenko. Rad. shk. 43 no 4-1-9 Ap '65
- V. I. Lenin and the Bolshevik fraction of the 4th State Duma, based on new data. S. M. Gribkova. Ist. SSSR 9 no 2-113-126 Mr-Apr '65
- V. I. Lenin and the creation of the Soviet command cadres. L. Spirin. Voen.-ist. zhur. 7 no 4-3-16 Ap '65
- V. I. Lenin and the scientific organization of labor. V. D. Banauskevich. Ist. SSSR 9 no 2-108-113 Mr-Apr '65
- V. I. Lenin as editor of the newspaper "The Proletarian." L. F. Nikol'skaya. Vop. Ist. KPSS 9 no 8-75-80 Je '65
- V. I. Lenin on culture and public education. I. M. Butulova. Sov. pedagog. 29 no 5-85-90 My '65
- V. I. Lenin on the combination of training, productive work, and technical education. M. N. Skatkin. Sov. pedagog. 29 no 4-33-44 Ap '65
- V. I. Lenin on the problem of trained personnel in socialist revolution. O. I. Ivanenko. Ukr. ist. zhur. 8 no. 6-3-11 N-D '64
- V. I. Lenin on the work training of youth. N. G. Dubinin. Shkola i proizv. 9 no 4-4-7 Ap '65
- V. I. Lenin's work methods. N. K. Krupskaja. Sov. pedagog. 29 no 4-15-17 Ap '65
- V. I. Lenin's works in Cuba. Part. zhizn' no. 10; 72 My '65
- V. I. Lenin's works in the languages of the peoples of the Orient. Az. i Afr. seg. 8 no. 4; 7 Ap '65
- V. I. Lenin's works on the study of history in schools. A. M. Sakharov, A. T. Kinkul'min. Sov. pedagog. 29 no 4-45-52 Ap '65
- We heard Lenin. I. A. Kuvshinov. Sov. profsojuzy 21 no 10-14-15 My '65
- A wreath for I'ich. P. Fedorov. Sov. shakht. 14 no. 4-3-4 Ap '65

## LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY

see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

## LENIN IN LITERATURE AND ART

Image of Lenin in Ukrainian dramaturgy. I. H. Kostuk. Rad. lit. 9 no 4-11-19 Ap '65

## LENIN OIL FIELD—PETROLEUM GEOLOGY

Prospects for finding oil and gas in the southwestern part of the West Siberian Plain in connection with the opening of the Lenin (Karabash) oil field. N. V. Mizinov and others. Neftgaz. geol. i geofiz. no. 1-0-14 '65

## LENINABAD—CIVIL DEFENSE

So they went for the championship. N. Orlov, S. Kuldirev. Voen. znani. 41 no 5-26 My '65

## LENINABAD—FLIES AS CARRIERS OF DISEASE

Role of flies in the distribution of typhoid fever in Leninabad. V. L. Lelikov. Trudy TSU 88:31-34 '64

## LENINABAD—TYPHOID FEVER

Role of flies in the distribution of typhoid fever in Leninabad. V. L. Lelikov. Trudy TSU 88:31-34 '64

## LENINABAD REGION—SALMONELLA

Microbiological characteristics of factors transmitting typhoid fever and paratyphoid in Leninabad and its vicinity. V. L. Lelikov, L. A. Apostoli. Trudy TSU 88:85-87 '64

## LENINABAD—AUDITING AND INSPECTION

The committee of the party-state control and its group of activists. P. Fedosov. Part. zhizn' no. 11-36-39 Je '65

## LENINABAD—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The committee of the party-state control and its group of activists. P. Fedosov. Part. zhizn' no. 11-36-39 Je '65

## LENINABAD—FORGING MACHINERY

At the Leninabad Plant of Forging and Pressing Equipment. V. Giurdzhian. Prom. Arm. 8 no 3-30-31 Mr '65

## LENINABAD—HOSIERY INDUSTRY

Introducing pneumatic conveying at the Leninabad Hosiery Factory. V. Aivazian. Prom. Arm. 8 no. 3-34-35 Mr '65

## LENINABAD—PNEUMATIC CONVEYING

Introducing pneumatic conveying at the Leninabad Hosiery Factory. V. Aivazian. Prom. Arm. 8 no. 3-34-35 Mr '65

## LENINABAD—ACCOUNTING

Struggle for communist labor in accountant's collectives. I. Kheifits. Bukhg. uch. 22 no 3-60 Mr '65

## LENINABAD—ART—TRADE

The Academy of Arts and the dissemination of works of art in the 18th century. V. S. Manin. Ist. SSSR 9 no 1-146-150 Ja-F '65

## LENINABAD—BAKERIES

School of advanced practices. G. P. Smirnova. Khleb. i kond. prom. 9 no. 3-38 Mr '65

## LENINABAD—BAKERIES—EQUIPMENT AND SUPPLIES

In the "M. Gor'kii" Bakery in Leninabad. A. I. Pasivkin. Khleb. i kond. prom. 9 no. 3-32-33 My '65

## LENINABAD—BUILDING—QUALITY CONTROL

**Bogdanov, P. F.** [Controlling the quality of construction; practices of the Main Construction Administration of the city of Leninabad] Kontrol' kachestva stroitel'stva; opyt Glavleningradstroia. Leningrad, 1965. 46 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Stroitel'noe proizvodstvo)

## LENINABAD—BUILDING, BRICK

After the example of large-panel construction; problems in the improvement of brick housing construction. L. S. Rainus. Stroitel' arkhit. Len. 27 no 4-30-31 Ap '65

## LENINABAD—BUILDING MATERIALS INDUSTRY

Important unit in industrial housing construction. A. Ia. Moiseevich. Stroitel' arkhit. Len. 27 no. 4-34-35 Ap '65

## LENINABAD—CHILDREN'S PLAYS

Just to be honest. . . . N. Dolnina. Sem'ia i shkola 20 no. 5-36 My '65

## LENINABAD—CIVIL DEFENSE

Both training and checking. I. Sokol'skii. Voen. znani. 41 no 5-24-25 My '65

## LENINABAD—CONSTRUCTION EQUIPMENT

Make better use of machinery. P. G. Semenov, G. P. Iakovlev. Stroitel' arkhit. Len. 27 no 4-26-27 Ap '65

## LENINABAD—CONSTRUCTION INDUSTRY

Aviatory. I. N. Kugushev. Stroitel' arkhit. Len. 27 no. 4-10-11 Ap '65

Construction offices specialize. I. P. Berezovskii. Stroitel' arkhit. Len. 27 no. 4-34-36 Ap '65

Construction product is a finished item. V. A. Koshnev, G. P. Chulkevich. Stroitel' arkhit. Len. 27 no 4-37 Ap '65

In close creative cooperation. A. V. Zhuk. Stroitel' arkhit. Len. 27 no. 4-20-21 Ap '65

Kuznetsovskiy. S. S. Khachaturov. Stroitel' arkhit. Len. 27 no. 1-14-15 Ap '65

Main Construction Administration of the City of Leninabad is ten years old. A. A. Simon. Stroitel' arkhit. Len. 27 no 4-3-6 Ap '65

Nevskiy, N. I. Grishchenko. Stroitel' arkhit. Len. 27 no 1-16-17 Ap '65

New goals are ahead. V. Ia. Isaev. Stroitel' arkhit. Len. 27 no 4-1 Ap '65

Obukhovskiy, K. V. Trukhlo. Stroitel' arkhit. Len. 27 no 1-10-11 Ap '65

Polyustrov, S. I. Khatanov. Stroitel' arkhit. Len. 27 no. 4-8-9 Ap '65

Practices of a trust in building a section of a city. K. I. Krytov. Stroitel' arkhit. Len. 27 no. 1-28-29 Ap '65

Use all the new and advanced practices in the construction industry. B. D. Fedotkin. Stroitel' arkhit. Len. 27 no 4-30-31 Ap '65

Work and people of a brigade. V. A. Atanas'ev. Stroitel' arkhit. Len. 27 no. 4-18-19 Ap '65

Work flow, rhythm, and input. N. A. Ivanova. Stroitel' arkhit. Len. 27 no 1-24-26 Ap '65

## LENINGRAD—CONSTRUCTION WORKERS—EDUCATION AND TRAINING

They extend knowledge and improve skills. V. V. Usakov. Stroitel' arkhit. Len. 27 no 1-23-23 Ap '65

## LENINGRAD—DEFENSE (CRIMINAL PROCEDURE)

Useful discussion. I. Drozdov, Iu. Lury, N. Rothatt. Sov. iust. 29 no 6-26 Mi '65

## LENINGRAD—FOOD INDUSTRY—ACCOUNTING

Centralized accounting office of trade enterprises and public dining-room trusts. P. Merentsev. Bukhg. uch. 22 no. 4-12-16 Ap '65

## LENINGRAD—FURNITURE INDUSTRY

Provide greater variety and improve the quality of furniture at Leningrad enterprises. S. V. Novikov. Dni prom. 14 no 4-3-5 Ap '65

## LENINGRAD—HEATING FROM CENTRAL STATIONS

Using precast reinforced concrete for distribution and interblock heating nets in Leningrad. D. Ia. Bologovskoi. Bot. i zhel.-bet. 9 no. 6-277-278 Je '63

## LENINGRAD—HISTORICAL RESEARCH

Main results of the research work carried out by the Leningrad Department of the Institute of History of the Academy of Sciences of the U.S.S.R. for 1964. D. I. Petrikov. Ist. SSSR 9 no 2-210-221 Mi-Apr '65

## LENINGRAD—JUVENILE DELINQUENCY

Conference in Leningrad. M. Lovchikova, I. Ignatieva. Sots. zakon. 42 no 5-81-84 My '65

## LENINGRAD—LABOR AND LABORING CLASSES

**Stepanov, Z. V.** [Petrograd workers during the period of the preparation and execution of the October armed revolt, August-October 1917] Rabochie Petrograda v period podgotovki i provedeniia Oktabr'skogo vooruzhennogo vosstaniia, avgust-oktiabr' 1917 g. Moskva, Nauka, 1965. 298 p.

## LENINGRAD—LAUNDRIES

New developments in the operation of laundries in Leningrad. G. T. Kovalenko. Nov. tekhn. zhil.-kom. khoz. i Bagonstr. gor. [no. 1] 78-82 '61

## LENINGRAD—LAWYERS

Useful discussion. I. Drozdov, Iu. Lury, N. Rothatt. Sov. iust. 29 no. 6-26 Mr '65

## LENINGRAD—LIBRARIES, CHILDREN'S

We learn to read intelligible books. G. Korobunova. Bibliotekar' 42 no. 3-31-33 Mr '65

## LENINGRAD—MACHINERY INDUSTRY—MANAGEMENT

Activity of the Technical and Economic Council of the Machinery Industry at the Leningrad Economic Council. V. I. Tarasov, Iu. G. Mel'bari. Biol. tekhn. - ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3-10-10 Mr '65

## LENINGRAD—METAL CUTTING

Line machining of parts in Leningrad plants. G. A. Krutukhin. Trudy LPI no. 244-66-73 '65

## LENINGRAD—MILITARY EDUCATION

Numerous and energetic activists. V. Nedbalto. Voen. znani. 41 no. 6-32-33 Je '65

## LENINGRAD—NAVAL MUSEUMS

Relics of naval aviation glory. M. Efimov. Kryl. rod. 16 no. 318 Mr '65

**LENINGRAD—PERENNIALS**

Second blooming and secondary growth of some perennials.  
T. V. Shul'kina. *Blul. Glav. bot. sada* no. 56:95-99 '64.

**LENINGRAD—PRECAST CONCRETE CONSTRUCTION**

Using precast reinforced concrete for distribution and interblock heating nets in Leningrad. D. I. A. Bologovskoi. *Bet. i zhel.-bet* 9 no. 6:277-278 Je '63.

**LENINGRAD—PROGRAMMED INSTRUCTION—STUDY AND TEACHING**

The first Leningrad seminar on programmed teaching.  
G. I. Sazonov, A. F. Esaulov. *Vest. LGU* 20 no. 8:166-168 '65.

**LENINGRAD—RECONSTRUCTION**

The nation-wide aid to Leningrad, 1944-1945. O. N. Arslutkina. *Vest. LGU* 20 no. 8:152-156 '65.

**LENINGRAD—RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING**

Centralized accounting office of trade enterprises and public dining-room trusts. P. Mezantsev. *Bukhg. uchët* 22 no. 4:12-16 Ap '65.

**LENINGRAD—RETAIL TRADE—MANAGEMENT**

When the planning department is kept in the background. N. T. Sol. *Sov. tolg.* 38 no. 4:39 Ap '65.

**LENINGRAD—REVOLUTION, 1917-1921**

Stepanov, Z. V. [Petrograd workers during the period of the preparation and execution of the October armed revolt, August-October 1917] *Rabochie Petrograda v period podgotovki i provedeniia Oktiaбрь'skogo vooruzhen-nogo vosstaniia, avgust-oktiabr' 1917 g.* Moskva, Nauka, 1965. 298 p.

**LENINGRAD—RUSSIAN NEWSPAPERS**

During the days of the heroic defense of Leningrad. S. Leonidov. *Poligrafia* no. 5:18-19 My '65.

**LENINGRAD—SELF-SERVICE STORES**

Achievements and difficulties. N. Filipov, R. Guz. *Sov. tolg.* 38 no. 5:30-33 My '65.

**LENINGRAD—SHIPYARDS—HEATING AND VENTILATION**

Automatic condensate discharger. I. A. Pliss, S. Makhnin. *Rech. transp.* 24 no. 4:54 '65.

**LENINGRAD—SIEGE, 1941-1944**

During the days of the heroic defense of Leningrad. S. Leonidov. *Poligrafia* no. 5:18-19 My '65.  
From Leningrad notes. L. Panteleev. *Nov. mir* 41 no. 5:142-170 My '65.  
Notes of the war years. Vsevolod Koshelev. *Oktiabr'* 41 no. 5:165-162 My '65.

**LENINGRAD—SOCIAL SCIENCE RESEARCH**

Let us face the facts. V. A. Iadov. *Vop. filos.* 10 no. 5:107-116 '65.

**LENINGRAD—TECHNOLOGICAL INNOVATIONS**

Developed by Leningrad innovators. P. V. Smirnov. *Mashinostroitel'* no. 5:19-20 My '65.

**LENINGRAD—TELEVISION STATIONS**

Television center of Leningrad. A. I. A. Solovai. *Vest. sviati* 25 no. 5:10-21 My '65.

**LENINGRAD—TRAVEL AGENTS**

A trip. But will it be interesting? A. Shagalov. *Sov. profsoyuz* 21 no. 11:36 Je '65.

**LENINGRAD—WOOD-USING INDUSTRIES**

An experimental shop at the Leningrad Hydrolysis Plant. M. M. Sapiro, S. Z. Sirotnikov. *Gidroliz. i lesokhim. prom.* 18 no. 3:27-29 '65.

**LENINGRAD—WORLD WAR, 1930-1945—EDUCATION AND THE WAR**

Heroism of everyday life. I. E. Raskin. *Sov. pedagog* 29 no. 5:119-127 My '65.  
It was in Leningrad. L. Raskin. *Nar. obr.* no. 5:22-34 My '65.

**LENINGRAD BAY, ANTARCTICA—OCEAN CURRENTS**

"Constant" currents of the Leningrad Bay; according to instrumental data. L. I. Eskin. *Inform. blul. Sov. antark. eksp.* no. 49:10-23 '64.

**LENINGRAD ECONOMIC REGION—EFFICIENCY, INDUSTRIAL**

Chuev, A. V., V. N. Chertietsov, and I. N. Sokhor. [Work practice of the Leningrad Economic Region Council of Innovators] *Opyt raboty sovetov novatorov Leningrad-skogo ekonomicheskogo raiona.* Leningrad, 1965. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Organizatsiia propagandy nauchno-tekhnicheskogo i proizvodstvennogo opyta.)

**LENINGRAD ECONOMIC REGION—STANDARDIZATION**

Raznikov, R. A., comp. [Work practice of the enterprises of the Leningrad Economic Council in standardization] *Opyt raboty predpriiati Leningradskogo sovnarkhoza po standartizatsii i normalizatsii.* Moskva, Izd-vo Standartov, 1965. 382 p.

**LENINGRAD ECONOMIC REGION—TECHNOLOGICAL INNOVATIONS**

Chuev, A. V., V. N. Chertietsov, and I. N. Sokhor. [Work practice of the Leningrad Economic Region Council of Innovators] *Opyt raboty sovetov novatorov Leningrad-skogo ekonomicheskogo raiona.* Leningrad, 1965. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Organizatsiia propagandy nauchno-tekhnicheskogo i proizvodstvennogo opyta.)

**LENINGRAD PROVINCE—LIBRARY SCHOOLS AND TRAINING**

Diaries of practical workers. N. Sokolova. *Bibliotekar'* 42 no. 3:50-51 Mr '65.

**LENINGRAD PROVINCE—MILK TRADE**

Direct ties of farms with dairy stores. E. Borisova, A. Davydov. *Zakup. sel'khoz. prod.* no. 3:29-30 Mr '65.

**LENINGRAD PROVINCE—PEAS—VARIETIES**

Best new garden pea varieties in Leningrad Province. R. Kh. Makasheva. *Blul. VIR* no. 10:27-29 '62.

**LENINGRAD PROVINCE—RURAL CONSTRUCTION**

For agriculture. A. F. Starov. *Stroi. arkhitekt. Len.* 27 no. 1:10 Ap '65.

**LENINGRAD PROVINCE—RURAL LIBRARIES**

Diaries of practical workers. N. Sokolova. *Bibliotekar'* 42 no. 3:50-51 Mr '65.

**LENINGRAD PROVINCE—VOCATIONAL EDUCATION—CONGRESSES**

Experience of veterans to the service of science. B. Semenov, K. Mosolov, S. Gal'perin. *Prof.-tekhn. obr.* 22 no. 4:18 Ap '65.

**LENINGRAD REGION—ROCKS, SEDIMENTARY**

New data on the interstadial sediments of the Leningrad region. P. S. Malinova, T. V. Usikova. *Dokl. AN SSSR* 161 no. 6:1389-1392 Ap '65.

**LENINGRADSKAYA GORKI—GOLD ORES**

Hypogene gold in the complex metal ores of the Leningradskaya deposit group. K. F. Ermolaev, Kh. Kh. Kulenov. *Izv. AN Kazakh. SSR, Ser. geol.* 22 no. 2:57-60 Mr-Apr '65.

**LENINSKIYE GORKI see Gorki Leninskiye****LENKORAN' LOWLAND—BOTANY**

Overgrowth of rivers in Lenkoran' Lowland. D. A. Aliev. *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 1:25-28 '65.

**LENKORAN' LOWLAND—DWELLINGS**

Dwellings of Lenkoran' Lowland. A. A. Ismailova. *Dokl. AN Azerb. SSR* 21 no. 1:59-63 '65.

**LENKORAN' LOWLAND—RIVERS**

Overgrowth of rivers in Lenkoran' Lowland. D. A. Aliev. *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 1:25-28 '65.

**LENKORAN' LOWLAND—ZELKOVA**

Zelkova hyrcana. V. K. Asanova. *Sber. rab. po les. khoz.* no. 40:247-268 '63.

**LEONTICE see subdivision under Odessa region****LEPIN, TENIS KARLOVICH, 1895-1964**

In memory of Tenis Karlovich Lepin, 1895-1964. I. A. I. A. Lue and others. *Blul. MOIP, Old biol.* 70 no. 2:153-155 Mr-Apr '65.

**LEPTOSPIRA**

(see also subdivision under Caucasus, Northern)  
Isolation of antigens from leptospira destroyed by ultrasonics. A. S. Samadov, T. M. Akhmedova, S. G. Kosideeva. *Zhur. mikrobiol., epid. i immun.* 42 no. 4:57-60 Ap '65.

**LEPTOSPIRA—CULTURES AND CULTURE MEDIA**

Antagonistic correlations between Leptospira of various serologic types. S. V. Rostomian. *Zhur. mikrobiol., epid. i immun.* 42 no. 4:69-73 Ap '65.

**LEPTOSPIROSIS**

(see also subdivision under Daghestan; Mogilev Province; Moscow region; North America, Odessa)  
Effectiveness of antibiotics in the experimental leptospirosis of calves and lambs. Zh. R. Arzumanian. *Dokl. Akad. sel'khoz. nauk* no. 2:39-38 '65.

**LEPTOSPIROSIS—PREVENTION see subdivision under Mordok District (Ossetia, North)****LERMONTOV, MIKHAIL YUR'EVICH, 1814-1841**

Hypotheses and finds. V. Zhdanov. *Nov. mir* 41 no. 5:257-260 My '65.

**LETTERER-SIWE DISEASE**

Letterer-Siwe disease (tumorous form with lipidosis). P. Serban and others. *Arkh. pat.* 27 no. 5:10-24 '65.

**LEUCOCYTES**

Pathogenesis of early manifestations of acute inflammation. I. A. Olvin. *Arkh. pat.* 27 no. 3:3-17 '65.

**LEUKEMIA**

Electron paramagnetic resonance spectra of the human blood under normal conditions and in leucosia. N. I. Pavlova, A. R. Lisenov. *Biophysika* 10 no. 1:169-172 '65.  
Hemorrhage from acute ulcers in leukemia. N. K. Matveev, Khirurgiya 41 no. 4:127-128 Ap '65.  
Leukemia and ionizing radiation. M. V. Sviatukhin. *Arkh. pat.* 27 no. 2:6-13 '65.  
Manganese content in the blood of children with leukemia. V. A. Boiko. *Dokl. AN BSSR* 9 no. 2:131-132 '65.  
Surgical intervention in acute leukemia. M. D. Ponomareva, Khirurgiya 41 no. 4:10-12 Ap '65.  
Tumorous nature of leukemia. N. A. Kraevskii. *Arkh. pat.* 27 no. 5:3-8 '65.

**LEVANDOVSKII, MIKHAIL KARLOVICH, 1890-1938**

Army Commander 2d Rank M. K. Levandovskii. A. Khmel'. *Kov. Voenn.-ist. zhur.* 7 no. 4:116-118 Ap '65.

**LEVEES**

Methods of calculating for designing the hydraulic fill of narrow-profile levees. V. M. Nikolaev. *Trudy VNIIGM* 44:152-167 '64.

**LEVEL (TOOL)**

Tavchigrochko, S. S. [Levels and methods for their investigation] *Urovni i metody ikh issledovaniia.* Moskva, Izd-vo Standartov, 1965. 100 p.

**LEVEL INDICATORS—RELIABILITY**

Investigating the reliability of level indicators for loose materials. B. S. Maumumbaev. *Stroi. i dor. mash.* 10 no. 4:30-32 Ap '65.

**LEVEL INDICATORS FOR LIQUIDS see Liquid level indicators****LEVELING**

Analyzing the accuracy of the precision leveling of ShS-1000 conveyor supports. V. A. Karpenko. *Izv. vyzn. ucheb. zav. i aerof.* no. 5:47-50 '64.

**LEVOMYCETIN**

Treatment of typhoid fever with levomycetin and penicillin. B. V. Sulaimanov, R. F. Mukhametakhmetova. *Sov. med.* 26 no. 5:121-123 My '65.

**LEVITSKYI, IVAN, 1837-1918**

I. S. Nechui-Levyts'kyi and Tsarist censorship. V. O. Vlasenko. *Rad. lit.* 9 no. 4:60-64 Ap '65.  
New publication of works by I. S. Nechui-Levyts'kyi. M. L. Mandryka. *Rad. lit.* 9 no. 4:95 Ap '65.

**LEXICOGRAPHY**

[Problems of lexicology and grammar] *Voprosy leksikologii i grammatiki.* Minsk, Izd-vo M.-va vysshego, sred-nego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 184 p. [MICROFILM]

**LIABILITY (LAW)**

The brigade system of the organization of work and the joint material responsibility of personnel in retail trade. E. Bolina'kyi. *Rad. pravo* 28 no. 3:97-101 My-Je '65.

Legal responsibility in Soviet society. I. S. Samoshchenko. *Uch. zap. VNIISZ* no. 2:16-56 '64.

**LIBERTY**

Kosolapov, R. I. [Communism and freedom; problem of the liberation of labor] *Kommunizm i svoboda; problema osvobodivshia truda.* [Moskva] Izd-vo Mosk. univ., 1965. 137 p.

**LIBERTY OF THE PRESS see subdivision under Japan****LIBRARIANS**

To my friends. S. Georgievskii. *Bibliotekar'* 42 no. 3:53-54 Mr '65.

**LIBRARIES**

(see also subdivision under Gorky Province)  
Diachron advanced work practices in greater depth. A. Vancov. *Bibliotekar'* 42 no. 4:42-44 Ap '65.  
Moscow. *Publikatsiia biblioteka.* [The new in library work] *Novoe v biblioteknom dele.* Moskva, 1965. 29 p. (NNO)

New Lenin documents on libraries. K. Abramov. *Bibliotekar'* 42 no. 3:1-4 Mr '65.

**LIBRARIES, CHILDREN'S**

(see also subdivision under Chelyabinsk Province; Krasnodar Territory; Leningrad; Lugansk Province; Moldavia; Ryzan Province; Sverdlovsk Province)  
Books and communist education. N. Medvedeva. *Bibliotekar'* 42 no. 4:32-35 Ap '65.

**LIBRARIES, MILITARY** see **Military Libraries**

## LIBRARIES, NAVAL

For those at sea. F. Samuilova. Bibliotekar' 12 no. 4 47-48 Ap '65

## LIBRARIES, PRIVATE

Library of the Urbanov family. A. Kartymov. Bibliotekar' 42 no. 4 3-5 Ap '65

## LIBRARIES AND READERS

(see also subdivision under **Moscow, Vologda Province**)

Characteristics of a reader's conference. N. Kartashov. Bibliotekar' 42 no. 3 38-42 Mr '65

Work with bibliographies in the creative way. M. Bronshstein. Bibliotekar' 42 no. 3 47-49 Mr '65

## LIBRARY SCHOOLS AND TRAINING

(see also subdivision under **Leningrad Province**)

Correspondence courses help to raise qualifications. M. Bochkareva. Bibliotekar' 42 no. 4 44 Ap '65

Love for the reader is the most important. V. Tichanin. Bibliotekar' 42 no. 1 49-51 Ap '65

Working for the first time as a loan librarian. S. Tzova. Bibliotekar' 42 no. 4 52-54 Ap '65

**LIBRARY SCIENCE—BIBLIOGRAPHY** see **Bibliography—Library science**

## LICHENS

(see also subdivision under **White Russia**)

Effect of the substrate on the quality of "oak lichen" resins. V. S. Chernetskaya. Miroslavskiy prom 31 no. 2 21-25 F '65

## LICORICE

Development dynamics of the root systems of licorice in vitro during their first year of life. A. B. Khudaiber-genov. Izv. AN Kazakh SSR, Ser. biol. nauk 3 no. 2, 35-43 Mr-Apr '65

## LIE ALGEBRAS

Geometry and classification of bounded homogeneous regions. I. I. Piatetskii-Shapiro. Usp. mat. nauk 20 no. 2 3-51 Mr-Apr '65

## LIFE

Gavrilish, E. G. [Struggle between materialism and idealism over the problem of the essence of life] Bor'ba materializma s idealizmom po voprosu o sushchnosti zhizni. Khar'kov, Izd-vo Khar'kovskogo univ., 1965. 128 p.

## LIFE (BIOLOGY)

Life. Pirogova 54 no. 5 86-91 My '65.

## LIFESAVING

A duty, high and noble. F. Demidov, V. Kamenskii. Voenn. znani 41 no. 5 43 My '65  
Real people. V. Kamenskii, A. Zanchenko. Voenn. znani 41 no. 3 41-42 Mr '65

## LIGATURE (SURGERY)

Ligatures as suture and ligation material. E. M. Guseva, S. A. Kalashnikov, L. L. Plotkin. Vest. khir. 94 no. 2: 79-82 F '65

## LIGHT

Dependence of the perception of light signals on the intervals between them. Yu. Ven'-chzhao [Yü Wen'-chao]. Zhur. vys. nerv. delat. 15 no. 1 70-78 Ja-F '65.

## LIGHT—PHYSIOLOGICAL EFFECT

Determination of the lability of nervous processes based on the reaction of assimilating the rhythm of light flickering. A. O. Dolin, D. A. Farber, I. U. F. Zmanovskii. Zhur. vys. nerv. delat. 15 no. 2 381-382 Mr-Apr '65.

Development of reaction to light stimulants in early ontogeny of some species of sturgeon fishes and their hybrids. R. I. U. Kasimov, V. G. Marshin. Nauch. soob. Inst. fiziol. AN SSSR no. 3 55-59 '65.

Evaluation of the position of light stimulant and the movements of the eye. L. L. Leushina. Biofizika 10 no. 1: 130-136 '65

Inversion of light-induced potentials in the visual cortex of rabbits in a wakeful state. V. B. Follanski, T. V. Isakova. Zhur. vys. nerv. delat. 15 no. 1 140-147 Ja-F '65.

Potentials and desynchronization reaction received in response to light stimuli in the ontogeny process in lower monkeys. T. G. Urmancheva, G. M. Cherkovich. Biol. ekap. biol. i med. 58 no. 4 3-7 Ap '65.

Responses of individual neurons of the optical lobe of the brain in a frog to the variation in length of light stimuli. L. I. Mkrtycheva, V. G. Samsonova. Dokl. AN SSSR 161 no. 5 1243-1245 Ap '65.

Significance of photostimulation of the peripheral end of the optical analyzer for ripening of its cortical substitute. I. A. Pionkovskii, M. S. Myalobodskii. Dokl. AN SSSR 162 no. 1 229-231 My '65.

Significance of the time factor for the formation of responses from the nerve units in the visual center of frogs. L. I. Mkrtycheva, V. G. Samsonova. Zhur. vys. nerv. delat. 15 no. 2 274-284 Mr-Apr '65.

Study of the afferent flow on various levels of the visual system by the total electric response. I. A. Shevelev, L. Kh. Khlik, Zhur. vys. nerv. delat. 15 no. 1 148-155 Ja-F '65.

## LIGHT—SCATTERING

Aerosol indicators of light scattering in the free atmosphere at heights of about 10 km. A. I. Kompaniets. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3 335-338 Mr '65

Incoherent scattering of skylight. J. Novon, R. Goody. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3 275-281 Mr '65  
Interference phenomena in the scattering forward on a system of particles. O. A. Gurmoginova. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2 227-229 F '65

Light dispersion by the solutions of native, denatured and destructured deoxyribonucleic acid. V. E. Eskin, O. Z. Korotkova. Biofizika 10 no. 1 25-31 '65

Light scattering by haze particles. V. S. Malkova. Izv. AN SSSR Fiz. atm. i okeana 1 no. 1 109-113 Ja '65

Liyshits, G. Sh. [Light scattering in the atmosphere] Rasseyaniye sveta v atmosfere. Alma-Ata, Nauka, Pt. 1. 1965. 176 p. (Akademiya nauk Kazakhskoi SSR, Astrofizicheskii institut. Trudy, vol. 6)

Study of the attenuation and scattering of light in natural fog due to its microphysical properties. O. D. Barteneva, F. A. Poliatova. Izv. AN SSSR Fiz. atm. i okeana 1 no. 2 193-207 F '65

Use of the relaxation theory of the contour of anisotropic scattering in studying the structure of liquids. A. A. Aiyazova, B. M. Nosenko. Nauch. trudy TashGU no. 282 Fiz. nauk no. 22 59-70 '64

## LIGHT, WAVE THEORY OF

Toroidal cavities with ADH crystals; light modulators. V. A. Dianova, E. R. Mustel', V. N. Perygin. Radiotekh. i elektronika 10 no. 4 776-772 Ap '65

## LIGHT FILTERS

Calculating light filters for photoresistors. A. S. Grinin. Izv. vys. ucheb. zav. i prib. 8 no. 2 135-137 '65.

## LIGHT PRESSURE

Optimum flights with respect to energy making allowance for the effect of light pressure. S. N. Kirpichnikov. Vest. LGU 20 no. 7 144-156 '65.

## LIGHTING

The light in your room. Z. Skobareva. Sov. profsoyuz 21 no. 10 46-47 My '65.

## LIGHTNING PROTECTION

(see also subdivision under **Belgorod Province**)

Combined tests of valve-type dischargers. E. E. Ivatsik. Elektrotehnika 38 no. 1 40-53 Ap '65.

## LIGHTWEIGHT CONCRETE

(see also subdivision under **Riga**)

Characteristics of water suction from lightweight concrete mix by means of porous stone. K. Miskarov. Prom. Arm. 8 no. 3 48-50 Mr '65.

Minsk, Gosud. stvennyi nauchno-issledovatel'skii institut stroimaterialov. [Agloporite and agloporite concrete] Agloporit i agloporitobeton. Minsk, Nauka i tekhnika, 1964. 390 p.

**LIGHTWEIGHT CONCRETE PRODUCTS** see subdivision under **Moscow**

## LIGNIN

Nitrolignin as a reducer of the viscosity and water loss of cement slurry. E. M. Solov'ev and others. Izv. vys. ucheb. zav. i nef' i gaz 8 no. 3 25-28 '65

Rapid method for determining moisture in lignin and cellulosity. G. Z. Yakovenko, G. A. Afanas'eva. Gidroliz i lesokhim. prom. 18 no. 3 12-13 '65

## LILAC BREEDING

Lilac breeding. O. E. Nikolaeva. Shor. reb. po les. khoz. no. 46 158-177 '63

**LILACS** see subdivision under **Kiev**

## LILACS—VARIETIES

Prolonged preservation of the pollen of lilacs as related to their hybridization. V. V. Smol'skii, V. I. Bibikova. Dokl. AN BSSR 9 no. 2 122-124 F '65.

Seasonal rhythm of growth and development of some lilac species. V. F. Bibikova. Vestsi AN BSSR, Ser. biol. nav. no. 1 45-54 '65.

## LILIES

Embryology of Lilium azoviteladum Fisch. et Lam. L. A. Kobakhidze. Soob. AN Gruz. SSR 37 no. 3 661-667 Mr '65

**LIMES, ARTIFICIAL** see **Artificial Limes**

## LIME

Use of dolomite limestone in producing aluminum oxide from aluminum silicates by calcining with lime. V. A. Mazel', V. P. Mel'nikova, T'svet. met. 38 no. 4 50-52 Ap '65.

## LIME AS A DISINFECTANT

Method of determining the doses of lime in the stabilized processing of water. V. G. Barskii. Nauch. trudy AKKH no. 22 '63, Vol. no. 3 88-90 '63

## LIMEKILNS

Calcining of lime in rotary kilns for metallurgical use. N. P. Mironov. Metallurg 10 no. 2 20-21 Mr '65

## LIMESTONE

(see also subdivision under **Glossar Range**)

Investigating the loosening of limestone. A. N. Zelenka and others. Gor. zhur. no. 5 12-14 My '65.

Using inclined hot-chutes in limestone quarries. V. I. Kucheravskiy and others. Gor. zhur. no. 3 31-35 Mr '65

## LIMITATION OF ACTIONS

Statute of limitations in Soviet labor law. R. Livshits. Sov. last. 28 no. 12 15-17 Ja '64.

**LIMITATION OF ACTIONS (CRIMINAL LAW)** see subdivision under **Germany**

**LIMNOLOGY** see subdivision under **Pechorskaya Pribina Valley**

## LIMNOLOGY—CONGRESSES

Discussion of basic problems of Soviet limnology. T. I. Malina, I. M. Raspopov. Izv. Vses. geog. ob-va 51 no. 2 202-203 Mr-Apr '65.

## LINE GEOMETRY

Infinite-dimensional dual spherical transformations of line complexes. N. M. Mas'kin. Sib. mat. zhur. 6 no. 2: 383-397 Mr-Apr '65.

**LINEAR DIFFERENTIAL EQUATIONS** see **Differential equations, linear**

## LINEAR EQUATIONS

Study of high-order nonlinear automatic systems by accurate analytic methods. R. A. Nefepin. Dokl. AN SSSR 161 no. 4 771-773 Ap '65.

## LINEAR PROGRAMMING

Application of linear programming for the optimum specific utilization of raw leather material resources. Report No. 1. G. P. Ispitian. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 2 13-15 '65.

Bulayskii, V. A., and G. Sh. Rubinshteyn. [Several lectures on linear programming] Nekot. ko tekteli po lineinomu programirovaniu. Novosibirsk, Ned. - izd. otdel. Sibirskogo otd-nia AN SSSR, 1965. 66 p.

Calculation of the optimum den. load removal flow by linear programming methods. M. N. Tsvetov, V. L. Staiikov. Izv. vys. ucheb. zav. i gor. zhur. 8 no. 2 80-82 '65.

Choice of the optimum location for an ore dressing plant using the linear programming method. P. T. Tseren-shechikov. Izv. vys. ucheb. zav. i gor. zhur. 8 no. 3 70-76 '65.

Finite method of solving nonlinear transportation-type problems. S. S. Lebedev. Ekon. i mat. metod. 1 no. 1 71-82 Ja-F '65.

Gerchuk, I. A. P. [Applicational limits of linear programming] Granitay primeneniia lineinogo programirovaniia. Moskva, Ekonomika, 1965. 71 p. (Obshch. i spets. problemy sovetshestvovaniia planirovaniia, no. 10)

Linear programming has been in use for 25 years. I. U. M. Tikhomirov. Ekon. i mat. metod. 1 no. 1: 146-147 Ja-F '65.

Methods of linear programming in estimated planning calculations. V. Makeeva. Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3 84-90 '65.

Modification of the simplex method. E. G. Gol'nshteyn. Ekon. i mat. metod. 1 no. 1 83-85 Ja-F '65.

Plotting the mathematical models for linear programming in the planning of materials cutting. Report No. 1. K. V. Sosnauskas, I. U. P. Zybin. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 2 16-21 '65.

A problem in stochastic linear programming and its stability. N. I. Arhuzova, V. I. Danilov. Dokl. AN SSSR 162 no. 1 33-35 My '65.

Solving the distributive problem by the method of consecutive reduction of closures of closures. E. B. Trius. Ekon. i mat. metod. 1 no. 1 108-123 Ja-F '65.

Use of linear programming for the economic grounds of optimum condition for stripping operations. A. F. Bogachev. Izv. vys. ucheb. zav. i gor. zhur. 8 no. 2 84-88 '65.

Use of the specific terms of a problem in the simplex method. X. V. Kim. Ekon. i mat. metod. 1 no. 1: 86-93 Ja-F '65.

## LINEAR TOPOLOGICAL SPACES

Constructive locally convex linear topological spaces. Phan Dinh Diem. Dokl. AN SSSR 162 no. 4 766-769 Ja '65.

Hypercompleteness of the topological sum of a denumerable set of straight lines. I. A. Berezanskii. Usp. mat. nauk 20 no. 2 167-173 Mr-Apr '65.

## LINEAR TOPOLOGICAL SPACES (Continued)

Some properties of unconditional bases. V. D. Mil'man. Dokl. AN SSSR 162 no. 2:269-272 My '65.

Theorem on open mappings for uniform spaces. V. L. Levin. Izv. vuz. ucheb. zav. i. mat. no. 2:86-90 '65.

V. L. Shnol'ts' works on linear topological spaces. D. A. Raikov. Usp. mat. nauk. 20 no. 2:135-117. M.-Ap. '65.

## LINEN

Studying some physicochemical properties of linen and half-linen fabrics treated with dimethylcarbamide. I. I. Mikhlin, V. V. Gorkauskas. Tekst. prom. 25 no. 5:56-61 My '65.

## LINEN—ANALYSIS

Analysis of the enveloping fabric of an Egyptian mummy from the Ivanovo Museum. A. M. Benovolenskii. Izv. vuz. ucheb. zav. i. tekhn. tekst. prom. no. 1:158-160 '65.

## LINNIK, IURII VLADIMIROVICH, 1918-

Iurii Vladimirovich Linnik; on his 50th birthday. I. I. Ibragimov, A. V. Malyshov, V. V. Petrov. Usp. mat. nauk. 20 no. 2:221-236 M.-Ap. '65.

## LINOLEUM

Koshkin, V. G., and others. [Polyvinyl chloride linoleum on a felt base used for heat and sound insulation; practices of the Mytiskii Combine for Synthetic Building Materials and Products] Polivinilkhloridnyi linoleum na teploto- i zvukozhizhustonnost' vollochnoi osnove, opyt Mytiskinskogo kombinata sinteticheskikh stroitel'nykh materialov i izdelii. Moskva, Stroiizdat, 1964. 16 p. [MICROFILM]

## LINOTYPE

Reliability of the friction clutch of the main shaft of a linotype machine. V. Moretskii, I. Volkov. Poligrafia no. 3:28 M. '65.

## LIPASE

Effect of dehydroascorbic acid on the activity of the pancreatic lipase in cat. N. M. Iulia. Ukr. biokhim. zhur. 34 no. 3:424-427 '62.

Methods of determining pancreatic lipase. G. K. Shlygla, L. S. Pomina, Z. M. Pavlova. Sovr. metod. v biokhim. 1:208-302 '64.

## LIPETSK—TRACTOR INDUSTRY—ACCOUNTING

Method of cost accounting excluding the intraplant movements of semifinished goods. V. Serestanov. Bukhg. uch. 22 no. 4:30-13 Ap. '65.

## LIPETSK PROVINCE—EDUCATION, ELEMENTARY

Conference of elementary school teachers in Lipetsk. P. Kashumenskii. Nach. shkola. 33 no. 2:63-66 F. '65.

Schools of Lipetsk Province. A. A. Kozlova. Nach. shkola. 33 no. 2:61-64 F. '65.

## LIPETSK PROVINCE—STATE FARMS

The "Petrovskiy" State Farm is a collective of communal labor. I. P. Ksenz. Inform. blul. VDNKH no. 10:5-8 O. '63.

## LIPID METABOLISM

Content of lipids and ketone bodies in the liver, blood and urine of cattle as related to their age. S. I. Kusov, V. H. Ivanovych. Ukr. biokhim. zhur. 37 no. 1:122-130 '65.

Dynamics of lipid metabolism indices in experimental arteriosclerosis. T. M. Isaeva, V. V. Levoshin. Vop. pit. 23 no. 5:55-58 S-O. '64.

Examination of the content of lipids in the blood of elderly and senile persons. L. G. Shvidchenko. Vop. geront. i geriat. 4:209-213 '65.

## LIPOLYSIS

Activity of lipoprotein lipase and other lipolytic enzymes in experimental atherosclerosis in rabbits. F. L. Lekes. Pat. fiziol. i eksp. terap. 9 no. 2:12-17 M.-Ap. '65.

## LIPOLYSACCHARIDES

Lipopolysaccharides of alkali-forming of Enterobacteriaceae. O. I. A. Raabha, H. M. Laushnyk. Mikrobiol. zhur. 26 no. 9:22-27 '64.

## LIPOPROTEINS

Results of immunological prevention of experimental atherosclerosis and problems of the mechanism of the inhibiting effect of  $\beta$ -lipoprotein antigens in this process. M. N. Sultanov. Azerb. med. zhur. 42 no. 1:22-27 Ja. '65.

## LIPOXIDASE

Fermentative way of improving the quality of wheat bread by the method of oxidation. L. I. Auerman, V. L. Kretovich, R. D. Poludanova. Prikl. biokhim. i mikrobiol. 1 no. 1:86-73 Ja.-F. '65.

## LIQUEFIED PETROLEUM GAS

Obtaining dearomatized catalytic-cracking gas oil and motor tests for it. A. A. Krishko and others. Nefteper. i neftekhim. no. 3:12-14 '65.

## LIQUID ASSETS see Liquidity (Economics)

## LIQUID FUELS

Variation of the radius of a spherical droplet. V. S. Novoselov. Vest. LGU. 20 no. 7:163-164 '65.

## LIQUID GALLIUM

Nucleation of new crystals during the interaction between tin and liquid gallium. L. I. Mikhlin. Fiz. met. i metalloved. 19 no. 1:577-582 Ap. '65.

## LIQUID HELIUM

Experiments to detect the entry of He<sup>3</sup> into the superfluid phase. V. P. Peskhov. Zhur. eksp. i teor. fiz. 48 no. 4:997-1012 Ap. '65.

## LIQUID IRON

Combined effect of phosphorus and oxygen on the surface tension of liquid iron. S. E. Volkov, N. F. Levenets, A. M. Samarin. Izv. AN SSSR, Met. no. 1:71-77 Ja.-F. '65.

Kinetics of the dissolution of carbon in liquid iron. A. A. Vertman, A. M. Samarin. Izv. AN SSSR, Met. no. 1:48-54 Ja.-F. '65.

## LIQUID IRON—DENSITY

Effect of vanadium on the density and surface properties of liquid iron. S. I. Popel' and others. Izv. AN SSSR, Met. no. 1:62-67 Ja.-F. '65.

## LIQUID IRON—TESTING

Connection between volumetric characteristics of molten iron and "critical concentrations." E. S. Pilyppov, A. A. Vertman. Izv. vuz. ucheb. zav. i. tekhn. met. 8 no. 5:5-8 '65.

## LIQUID LEVEL INDICATORS

Floating block. O. Zholondkovskii. Izobr. i izv. no. 4:37 '65.

Operation of UDU-2 and UED-2 liquid level indicators. I. M. Kmitlav, V. N. Vorobiov, A. G. Butakov. Nefteper. i neftekhim. no. 3:31-34 '65.

Regulator of the oil level in compressor enclosures. I. M. Petukhin, D. I. Perel'man. Khim. tekhn. 42 no. 2:58-60 M.-Ap. '65.

## LIQUID MAGNESIUM

Corrosion testing of certain structural materials in molten magnesium. A. E. Andreev, O. A. Putina. Zashch. met. 1 no. 3:110-114 Ja.-F. '65.

## LIQUID METALS

Compensation of a fluctuating magnetic field in asynchronous machines and induction pumps with open magnetic circuits. A. I. Vol'dek. Elektrichestvo no. 4:50-53 Ap. '65.

Metal and oxygen technology of soldering ceramic materials. I. V. Naidich, V. N. Eremonko. Porosh. met. 5 no. 1:13-17 Ap. '65.

Surface tension and structure of molten iron, cobalt, and nickel borides. F. N. Tavadze, I. A. Balramashvili, D. V. Khatadze. Dokl. AN SSSR 162 no. 1:67-69 My '65.

Surface tension of liquid alloys of the system nickel-silicon. M. I. Vasilin, V. N. Eremonko. Porosh. met. 5 no. 1:60-82 M. '65.

## LIQUID METALS—ELECTRIC PROPERTIES

Connection between electronegative characteristics and the thermodynamic activity of components in iron-base melts. B. I. Markhasev, O. G. Sidletskii. Izv. AN SSSR, Met. no. 1:68-70 Ja.-F. '65.

Electric transfer of silicon, phosphorus, and sulfur in liquid cast iron and copper. N. A. Votolin, F. L. Dubinin. Fiz. met. i metalloved. 19 no. 4:634-636 Ap. '65.

## LIQUID METALS—THERMAL PROPERTIES

X-ray investigation of a liquid indium-tin alloy with an eutectic composition. A. V. Romanova, G. M. Kuchak. Sbor. nauch. trud. Inst. metallofiz. AN URSS no. 10:95-101 '64.

## LIQUID METALS—THERMODYNAMICS

Connection between electronegative characteristics and the thermodynamic activity of components in iron-base melts. B. I. Markhasev, O. G. Sidletskii. Izv. AN SSSR, Met. no. 1:68-70 Ja.-F. '65.

## LIQUID NICKEL-CHROMIUM ALLOYS—TESTING

Density and the free surface energy of liquid alloys in the system nickel-chromium. V. N. Eremonko, V. I. Nizhenko, L. I. Skliarenko. Porosh. met. 5 no. 5:24-28 My '65.

## LIQUID TIN

Experimental determination of the heat capacity of liquid tin at high temperatures. I. A. Akhmatova. Dokl. AN SSSR 162 no. 1:127-129 My '65.

## LIQUIDITY (ECONOMICS)

Problems of international liquidity and the foreign exchange contradictions of capitalism. K. Chizhov. Fin. SSSR 39 no. 5:70-85 My '65.

## LIQUIDS

Use of the relaxation theory of the contour of anisotropic scattering in studying the structure of liquids. A. A. Al'fanzova, B. M. Nosenko. Nauch. trudy TashGU no. 262 Fiz. nauk no. 22:50-70 '61.

## LIQUORS

Introduction of new formulas in the production of liqueur and vodka. I. A. V. Shul'ts. Khim. prom. no. 2:44 Ap.-Ja. '65.

## LIQUORS—TRANSPORTATION

Losses of finished products of liqueur and vodka plants during transportation. V. I. Panchenko. Fern. i spirit. prom. 31 no. 1:35-36 '65.

## LIQUORS—STANDARDS

Need for the coordination of the formulas and state standards for vodka and liqueur products. I. M. Lebedeva. Fern. i spirit. prom. 31 no. 1:44 '65.

## LISTERELLA

Dissociation of Listerella. L. A. Pomanekina. Zhur. mikrobiol. i epid. i immun. 11 no. 11:79-85 N. '61.

## LISZT, FRANZ, 1811-1886

Hankiss, János. [If Liszt had kept a diary... Translated from the German] Esti by Liszt vel dnevnik... [2. izd. Budapest] Izd-vo Korvina [1963] 187 p.

## LITERARY RECREATIONS

Zakharuk, D. V. [Literary games] Literaturni igr. Kyiv, Radians'ka shkola, 1964. 145 p.

## LITERARY SOCIETIES

At the beginning of the road: Mikhail Sholokhov and the "Young guard." V. V. Gura. Izv. AN SSSR Ser. lit. i izn. 21 no. 2:105-117 M.-Ap. '65.

## LITERATURE—AESTHETICS

Returning to an old controversy. V. Romanenko. Rad. lit. 9 no. 1:64-68 Ap. '65.

## LITERATURE—HISTORY AND CRITICISM

Elizaveta, M. E., and N. P. Mikhail'skaya, eds. [Lecture course on the history of 20th century foreign literature] Kurs lektsii po istorii zarubezhnoi literatury XX veka. Moskva, Vysshaya shkola, 1965. 802 p.

Kulikovich, E. F. [Power of truth: articles on literary criticism] Sila pravdy, literaturno-kriticheskie stat'i. Moskva, Savetskii pisatel', 1965. 331 p.

Kolesnyk, P. I. ["Tina morgann" by M. Kotslubinskii] "Tina morgann" M. Kotslubinskogo. Moskva, Khudozh. lit-ra, 1964. 127 p. (Mnogovaia istoiko-literaturna biblioteka) (U)

The monumental novel of the twentieth century. I. I. Kozlovnikov. Vop. lit. 9 no. 4:236-238 Ap. '65.

Samarin, R. M. [Gorkii's conception of world literature] "Fata morgana" M. Kotslubinskogo. Moskva, Khudozh. lit-ra, 1964. 127 p. (Mnogovaia istoiko-literaturna zarubezhnaya literatura)

## LITERATURE—STUDY AND TEACHING

In the committee on literature. G. Belen'kit. Sov. pedagog. 29 no. 5:155-157. My '65.

## LITERATURE, COMPARATIVE

Coordinating Conference in the Institute of Literature. K. M. Rad. lit. 9 no. 4:94-95 Ap. '65.

Kuleshov, V. I. [Literary ties of Russia and Western Europe in the first half of the 19th century] Literaturnye svyazi Rossii i Zapadnoi Evropy v XIX veke (peraya polovina). [Moskva] Izd-vo Mosk. univ., 1965. 466 p.

## LITERATURE, COMPARATIVE—RUSSIAN AND UKRAINIAN

Chekhov and the Ukraine. Y. A. Denysluk. Vsiyuk. L'viv, un. Ser. filol. no. 1:14-20 '63.

## LITERATURE AND COMMUNISM see Communism and Literature

## LITERATURE AND MUSIC see Music and Literature

## LITERATURE AND SOCIETY

Shamola, N. Z. [Literature and the life of the people] Literatura i zhizn' narodu. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 206 p. (CAOTU)

## LITHIUM

Polymerization of vinylsilanes in the presence of metallic lithium. N. S. Namotkin, S. G. Durgar'yan, V. S. Khotimskii. Vysokom. speed. 7 no. 1:184 Ja. '65.

Use of a thermionic source of lithium positive ions for the analysis of some gaseous mixtures. I. A. Bragin, S. V. Starilova. Zhur. anal. khim. 20 no. 3:305-308 '65.

- LITHIUM COMPOUNDS**  
New compounds formed by rare-earth oxides with lithium. N. I. Kostianova and others. Dokl. AN SSSR 161 no. 6:1359-1361 Apr '65.
- Reaction of lithium hexafluorogermanate with hydrogen fluoride solutions. I. I. Tychinskaya, A. A. Opalovskii, N. S. Yakovlev. Izv. AN SSSR Ser. khim. no. 4:744-746 '65.
- LITHIUM ISOTOPES**  
Infrared spectra of isotope-substituted ethyllithium molecules. A. N. Rodionov and others. Izv. AN SSSR. Ser. khim. no. 4:604-610 '65.
- L<sup>6</sup> production in the fission of <sup>Cl</sup> nuclei by high-energy protons. R. V. Manabets and others. Yad. fiz. 1 no. 1:70-79 Jan '65.
- LITHIUM ORGANIC COMPOUNDS**  
Effect of the association of organolithium compounds on their ultraviolet spectra. D. K. Poliakov. A. R. Gantimayr. S. S. Matkade. Vysokom. sol. 7 no. 1:182 Jan '65.
- Reaction of organolithium compounds of p-bromobiphenyl and p-bromo(chloro)phenylmethane with dimethylchlorosilane and germane. A. D. Petrov, M. A. Chel'tsina, S. D. Furmanov. Izv. AN SSSR Ser. khim. no. 3:750-752 '65.
- LITHIUM ORGANIC COMPOUNDS—SPECTRA**  
Infrared spectra of isotope-substituted ethyllithium molecules. A. N. Rodionov and others. Izv. AN SSSR. Ser. khim. no. 4:604-610 '65.
- LITHIUM SALTS**  
Effect of lithium salts on the oxidation of steel during its heating in flame furnaces. A. I. Vashchenko, A. G. Zerkovskii, E. I. Mogilevskii. Izv. vys. ucheb. zav. Chern. met. 8 no. 5:188-193 '65.
- LITHUANIA—ACCOUNTING**  
In the Lithuanian Economic Region. Bukh. uch. 21 no. 10:77-78 Oct '64.
- LITHUANIA—AGRICULTURE—ECONOMIC ASPECTS**  
Ulaschik, N. N. [Prerequisites of the 1861 peasant reform in Lithuania and western White Russia] Predposylki krest'ianskoi reformy 1861 g. v Litve i Zapadnoi Belorussii. Moskva, Nauka, 1965. 478 p.
- LITHUANIA—BAKES**  
Planning, demand and profitability. A. A. Panov. Khleb i kond. prom. 9 no. 3:21-22 Mar '65.
- LITHUANIA—BALLET**  
Ruzgaite, Alodija. [The story of Lithuanian ballet] Lietuviško baleto kelias. Vilnius, Leldy'kla "Mintis," 1964. 70 p. illus. [In Lithuanian].
- LITHUANIA—BRIDGES, CONCRETE**  
Perfect work organization has reduced the time of bridge construction. V. P. Martinaitis, V. V. Khovostikov, G. I. Aiskevichius. Avt. dor. 28 no. 4:11-13 Apr '65.
- LITHUANIA—COSTUME DESIGN**  
[For the Song Festival] Dainu šventelė, Vilnius, Leldy'kla "Mintis," 1964. 71 p. [In Lithuanian].
- LITHUANIA—GEOMORPHOLOGY**  
Geomorphological and structural characteristics of the Garunai fluvioglacial terrace and the outwash plain bordering the Voke Valley. A. Mikalauskas. Trudy AN Litv. SSR Ser. B no. 3:123-128 '64.
- LITHUANIA—HEPATITIS, INFECTION—PREVENTIVE INOCULATION**  
Experience in mass prevention of epidemic hepatitis in the Lithuanian S. S. R. using  $\gamma$ -globulin. Report No. 1. Duration of the preventive activity of  $\gamma$ -globulin in epidemic hepatitis. E. A. Faktoris, T. S. Podsedlovskii. Zhur. mikrobiol. epid. i immun. 41 no. 11:112-116 Nov '64.
- LITHUANIA—IRRIGATION CANALS AND FLUMES**  
Channels of fertility. I. Cheichis. NTO 7 no. 3:45-47 Mar '65.
- LITHUANIA—PALEOMAGNETISM**  
Secular variation of the angle of inclination of the geomagnetic field on the territory of the Lithuanian S. S. R. according to paleomagnetic data. E. N. Tarkhov, N. V. Ivanov. Geomag. i aer. 5 no. 3:591-594 May-June '65.
- LITHUANIA—PEASANTRY**  
Ulaschik, N. N. [Prerequisites of the 1861 peasant reform in Lithuania and western White Russia] Predposylki krest'ianskoi reformy 1861 g. v Litve i Zapadnoi Belorussii. Moskva, Nauka, 1965. 478 p.
- LITHUANIA—PEAT BOGS**  
Indicational phytogeographical study of lowland bogs and peaty meadows in the Lithuanian S. S. R. K. Brundza. Bot. zhur. 50 no. 4:534-537 Apr '65.
- LITHUANIA—PEAT BOGS—CLASSIFICATION**  
Genetic classification of bog beds in the Lithuanian S. S. R. J. Tamosaitis. Trudy AN Litv. SSR. Ser. B no. 3:137-147 '64.
- LITHUANIA—RUNOFF**  
Effect of annual water content on the coefficient of streamflow irregularity during the year in the Lithuanian S. S. R. B. Gailiusis, J. Burneikis. Trudy AN Litv. SSR Ser. B no. 3:195-204 '64.
- LITHUANIAN LANGUAGE—CASE**  
History of the dative independent in Lithuanian. V. Ambrazas. Izv. AN SSSR. Ser. lit. i jaz. 24 no. 2:145-152 Mar-Apr '65.
- LITHUANIAN LANGUAGE—SYNTAX**  
History of the dative independent in Lithuanian. V. Ambrazas. Izv. AN SSSR. Ser. lit. i jaz. 24 no. 2:145-152 Mar-Apr '65.
- LITTLE ENTENTE, 1920-1930**  
The foreign policy of Yugoslavia, 1935-1938. V. K. Volkov. Sov. slav. no. 1:34-45 '65.
- LIVER**  
Changes in the content and reactivity ability of some sulfhydryl groups of d-amino acid oxydase of the liver in rats depending on the age and season. R. I. Khil'chevskaya. Vop. geron. i geriat. 4:235-240 '65.
- Comparative characteristics of the intensity of tissue respiration of the myocardium and liver in white rats of various age periods. L. N. Bogatskaya, N. V. Verzhikovskaya. Vop. geron. i geriat. 4:121-125 '65.
- Comparison of changes in carbohydrate metabolism and oxygen regimen of the liver in traumatic shock and stable hypotension. R. L. Goglozha, S. A. Seleznev. Biol. eksp. biol. i med. 59 no. 4:33-38 Apr '65.
- Content, phosphoprotein phosphatase regeneration and phosphoprotein phosphatase activity in the liver during starvation and subsequent fattening up of animals. R. P. Vynogradova. Uki. biokhim. zhur. 37 no. 1:24-32 '65.
- LIVER—AGING**  
Data of a histomorphological study of the liver in rats of various ages under the combined effect of carbon tetrachloride and hepatocytotoxic mitochondrial serum. S. A. Korol', G. A. Rodionov. Pat. fiziol. i eksp. ter. ap. 9 no. 2:54-59 Mar-Apr '65.
- LIVER—BIOPSY**  
Significance of puncture biopsy of the liver in evaluating the outcome of epidemic hepatitis. M. E. Semendiaeva, T. A. Atayshina. Sov. med. 28 no. 5:80-83 May '65.
- LIVER—CANCER**  
Hepatadenomas and their surgical treatment. N. I. Makhov, V. A. Odinkova. Khirurgia 41 no. 4:81-85 Apr '65.
- Primary cancer of the liver in an 8-month-old child. L. R. Pokk. Arkh. pat. 27 no. 3:85-87 '65.
- Surgical treatment of primary cancer of the liver. V. I. Kizhaev. Khirurgia 41 no. 4:85-89 Apr '65.
- LIVER—CIRRHOSIS**  
Correlation between the regeneration of parenchymal elements and the state of the connective tissue. B. P. Solopayev. Soob. AN Gruz. SSR 29 no. 1:101-106 Jan '62.
- Determination of the cholate-cholesterol coefficient and the amount of bile acid salts in cirrhosis of the liver and portal hypertension. A. N. Ardamatskaya. Vest. khir. 94 no. 2:52-55 Feb '65.
- Inapud syndrome in hepatocerebral dystrophy. I. P. Krasul'nikova, I. V. Koblov. Sov. med. 28 no. 5:144-145 May '65.
- Interrelationship between the changes in blood and lymphatic vessels of the liver in experimental portal hypertension and annular cirrhosis of the organ. E. V. Kapustina. Dokl. AN SSSR 161 no. 4:882-885 Apr '65.
- Problem of the pathogenesis of ascites in cirrhosis of the liver. G. S. Levin. Sov. med. 28 no. 5:93-98 May '65.
- LIVER—DISEASES**  
Changes in the liver in Osier's disease. N. A. Nemirovskaya, E. E. Atakova. Arkh. pat. 27 no. 2:78-82 '65.
- Examination of some trace elements in the blood of healthy dogs with lesions of the stomach and liver. N. S. Bakuleva. Pat. fiziol. i eksp. terap. 9 no. 2:42-46 Mar-Apr '65.
- Role of liver lesions in the pathogenesis of silicosis. P. D. Ianev. Pat. fiziol. i eksp. terap. 9 no. 2:60-61 Mar-Apr '65.
- LIVER—RADIOGRAPHY**  
Portohepatography and portotomometry through the umbilical vein in children. S. I. A. Doletskii and others. Vest. khir. 94 no. 2:88-93 Feb '65.
- LIVER—SURGERY**  
Hepatadenomas and their surgical treatment. N. I. Makhov, V. A. Odinkova. Khirurgia 41 no. 4:81-85 Apr '65.
- Mitotic activity of the liver in rats following various surgical interventions. V. F. Sidorova. Biol. eksp. biol. i med. 59 no. 4:95-98 Apr '65.
- Surgical treatment of primary cancer of the liver. V. I. Kizhaev. Khirurgia 41 no. 4:85-89 Apr '65.
- LIVER FLUKE**  
Change in some indices of protein metabolism in experimental sheep and rabbit fascioliasis and the normalizing role of vitamin A. P. A. Chudantsev. Izv. AN Arm. SSR. Biol. nauk. 18 no. 2:57-67 Feb '65.
- Morphology of the gallbladder in opisthorchiasis. T. A. Shmygova. Arkh. pat. 27 no. 1:40-45 '65.
- LIVER FUNCTION TESTS**  
Normalization of disorders in the liver function in diseases of the biliary tract under the effect of treatment. B. D. Borovskaya. Sov. med. 28 no. 5:87-90 May '65.
- LIZARDS—PARASITES** see Parasites—Lizards
- LJUBEŠA, STJEPAN MITROV, 1824-1878**  
Stjepan Mitrov Ljubša, master of letters. O. I. Trakimkina. Vest. IGU 20 no. 8:76-85 '65.
- LOADING AND UNLOADING**  
(see also subdivision under Khazarovsk; Volgograd)  
Are special norms needed for loading slightly- and medium salted heading into the holds of refrigerated ships? I. I. Koiobkin, O. M. Mel'nikova. Ryb. khoz. 41 no. 3:50-59 '65.
- Balanov, M. A. [Practices in the use of grab-type tractor loaders in the lumbering industry]. Opyt ispol'zovaniia cheluchestnykh traktornykh pogruzhchikov v lesnoi promyshlennosti. Moskva, Lesnaya promyshlennost', 1965. 50 p. (Nastoiashchee vnedreniye peredovoi opyt v proizvodstvo)
- Loads affecting loading equipment. G. D. Alekseyev. Ryb. khoz. 41 no. 4:40-43 '65.
- A new method of rigging coupled booms for work in the "telephone-type" arrangement. V. Smirnov. Mas. stroit. 24 no. 9:26-27 Sep '64.
- Rotary feeder for a continuous action loader. I. U. N. Lipov, M. N. Fateev. Trakt. i sel'khoz. mash. no. 4:40 Apr '65.
- Shaking out in the heat unloading method. A. Abul'tin. Trob. i rats. no. 4:36 '65.
- Transportation of round timber in bundles. A. Belnatskii, P. Tolstunin, V. Kiselev. Rech. transp. 24 no. 4:20-22 '65.
- LOADING AND UNLOADING—COSTS**  
Calculating and planning the costs of loading and unloading operations in ports. P. Shemotuk. Mor. flot 21 no. 10:8-10 Sep '64.
- LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES**  
Construction of motor loaders. V. Pokras. Mas. stroit. 24 no. 9:10-11 Sep '64.
- Extend the overall mechanization of loading and unloading operations. E. Smirnov. Rech. transp. 24 no. 4:9-11 '65.
- The SKB-2 loaders. V. I. Lyubchik, I. K. Shtakov. Stroit. i dor. mash. 10 no. 3:22-25 Mar '65.
- Mechanization of the unloading of mineral materials from freight cars. V. Gubka. Avt. dor. 28 no. 3:16-17 Mar '65.
- Unit for loading and unloading machinery transported on motortrucks. V. V. Poliakov. Stroit. truboprov. 10 no. 2:20 Feb '65.
- LOADING AND UNLOADING—MATHEMATICAL MODELS**  
Optimizing loading and hauling operations in ship mines by the nonlinear programming method. K. P. Vinitskii, E. I. Reontovich, M. P. Leonchuk. Ugol' 10 no. 4:40-52 Apr '65.
- LOADING AND UNLOADING—SAFETY MEASURES**  
Loading ramp for pipes. Kh. Z. Islamova, I. A. Rodionkin. Bezop. truda v prom. 9 no. 5:52 May '65.
- LOCAL ANESTHESIA**  
Simultaneous bronchoscopy and bronchography under local anesthesia. A. G. Stetsuk, P. V. Vlasov. Trudy TSNI 66:127-134 '64.
- Some problems of local anesthesia based on materials of the International Anesthesiological Symposium, Budapest, 1963. V. L. Vanyovskii. Vest. khir. 92 no. 2:129-134 Feb '64.
- LOCAL ANESTHESIA—EQUIPMENT AND SUPPLIES**  
Use of an apparatus for continuous local anesthesia for the purpose of subcutaneous oxygen therapy. L. S. Ukhin. Voen.-med. zhur. no. 7:83 '64.
- LOCAL TRANSIT**  
City transport. N. Pokidov. Sem'ia i shkola 20 no. 5:45 May '65.
- LOCAL TRANSIT—ABSTRACTS**  
[Automotive and city transportation] Ref. zhur. i Avt. i gor. transp. no. 6: Je '65.
- LOCKE (HYDRAULIC ENGINEERING)**  
(see also subdivision under Ust'-Kamenogorsk)  
Effect of the speed of the motion of passing ships on the anchorage conditions at the quays of the lock. G. Onipchenko. Rech. transp. 24 no. 4:47-48 '65.

## LOCOMOTION, DISORDERED

Local injections of hydrocortisone in the treatment of metabolic lesions of the locomotor apparatus. IU M. Mikhalev. Sov. med. 28 no. 1:107-110. Ja '65.

## LOCOMOTIVES

(see also subdivision under Bulgaria)

Reliability, efficiency, and durability are the primary requirements of modern locomotives. Elek. i tepl. tsiaga 6 no. 3:1 Mr '62.

## LOCOMOTIVES—BRAKES

How does a locomotive engineer operate the automatic brakes? I. A. Vasil'ev. Elek. i tepl. tsiaga 6 no. 3:8-9 Mr '65.

## LOCOMOTIVES—CLEANING

Automatic system for mechanizing locomotive washing operations. N. I. Fil'kov, V. D. Bolonov. Elek. i tepl. tsiaga 6 no. 3:18 Mr '62.

## LOCOMOTIVES—MAINTENANCE AND REPAIR

Automatic wear-resistant hand facing under a ceramic flux. F. S. Vol'kovskaya, A. S. Abaev, P. T. LA. Oshchenko. Elek. i tepl. tsiaga 6 no. 3:14-15 Mr '62.

Provide each locomotive shop with an exemplary study room of labor safety. A. L. Levitskii. Elek. i tepl. tsiaga 6 no. 3:1-3 Mr '65.

## LOCOMOTIVES—VIBRATION

Use of hydraulic dampers for damping the vertical vibrations of locomotives. V. I. Kal'innov. Vest. TSNI MPS 24 no. 2:21-25 '65.

## LOCUST (TREE)

Parthenocarp in birches, poplars and the black locust. G. D. Frolov, Bot. zhur. 50 no. 3:301-306 Mr '65.

## LOCUSTS see subdivision under Kazakhstan

## LOESS

(see also subdivision under Akhangaran Valley)

Forecasting the deformation of structures on loess-type soils. A. L. Rubinshtein. Gidr. i mel. 17 no. 4:35-38 Ap '65.

Forms of phosphorus in tuff-Podzolic soils developed on loess and loess-type loamy soils. M. K. Rakhuba. Vest. AN BSSR. Ser. sel'hoz. nauk. no. 1:20-29 '65.

Practices in preliminary wetting of loess-type soils. R. S. A. Isaev, A. S. Beizev. Gidr. i mel. 17 no. 4:30-35 Ap '65.

Transverse cultivation of eroded soils. U. V. Zhylo. Vest. AN BSSR. Ser. sel'hoz. nauk. no. 1:30-31 '65.

## LOGGING (GEOLOGY)

Electronic computer for acoustical logging. V. R. Smolov, E. P. Balashov. Izv. vys. ucheb. zav., prib. 8 no. 2:80-85 '65.

## LOGGING RAILROADS

Bytsko, V. A., and V. P. Fedorov. [The TU-4 diesel locomotive with hydraulic transmission]. Teplovoz TU-4 s gidromekhanicheskoi podozdachel. Moskva, TSentr. nauchno-issl. i informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatvatel'skoi promyshli. i lesnomu khoz., 1964. 19 p. (Lesoskoplutatsia)

[MICROFILM]

## LOGGING ROADS see Forest roads

## LOGIC

Kolshanski, G. V. [Logic and the structure of language]. Logika i struktura yazyka. Moskva, Vysshaya shkola, 1965. 239 p. (Biblioteka filologa)

The subject matter of logic as a science in the new philosophy. E. V. Il'nikov. Vop. filos. 18 no. 5:71-82 '65.

## LOGIC, SYMBOLIC AND MATHEMATICAL

The Entscheidungsproblem for an Ackermann case. V. P. Kostyrko. Sib. mat. zhur. 6 no. 2:342-363 Mr-Apr '65.

Kharin, N. N. [The substance and form correlation in mathematical logic]. O sootnoshenii soderzhanii i formy v matematicheskoi logike. Kirov, Kirovskii gos. politekhn. in-t, 1963. 100 p.

[MICROFILM]

Logical and mathematical aspects of the theory of computers. B. V. Biriukov. Nauch. dokl. vys. shkoly. filos. nauki 7 no. 5:44-52 '64.

On the unrealizability of disjunctions of unrealizable formulas in propositional calculus. F. L. Varpakhovskii. Dokl. AN SSSR 161 no. 6:1257-1258 Ap '65.

Some classes of functionally complete systems of operations and canonical form of the representation of functions of many-valued logic. N. N. Alzenberg, Z. L. Rabinovich. Kibernetika no. 2:37-45 Mr-Apr '65.

## LOGIC, SYMBOLIC AND MATHEMATICAL—PROBLEMS, EXERCISES, ETC.

Drabkina, M. E. [Logical exercises in elementary mathematics]. Logicheskie uprazhneniia po elementarnoi matematike. Minsk, Vysshaya shkola, 1965. 157 p.

## LOGICAL POSITIVISM

Foundations of neopositivist ethics rooted in the theory of knowledge and logic. I. S. Narskii. Vest. Mosk. un. Ser. 8, Ekon., filos. 20 no. 3:37-48 My-Je '65.

## LOKHVITSA (UKRAINE)—DISTILLING INDUSTRIES

Communist labor competition in the Lkhvitsa Distilling Combine. I. V. Vasil'ev. Form. i spirit. prom. 31 no. 4:4-5 '65.

## LOKOSOVO OIL FIELD—PETROLEUM GEOLOGY

Lokosovo oil field of the West Siberian Plain. P. Salmanov. Neftegaz. geol. i geofiz. no. 1:17-19 '65.

## LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

Beacon light of Russian science; 200th anniversary of M. V. Lomonosov's death. I. I. Antchevskii, A. A. Chekanov. Priroda 54 no. 5:10-16 My '65.

## LONGEVITY

Correlation of some effects (tumor accelerating, carcinogenic and life-span shortening) under the influence of ionizing irradiation. R. V. Smirnov. Med. rad. 9 no. 7:32-37 Jl '64.

Some data on atherosclerotic cardiovascular disease in very old persons. D. F. Chebotarev and others. Vop. geront. i geriat. 4:158-166 '65.

## LONGSHOREMEN

Improving the work efficiency of mixed brigades in sea ports. M. Vol'ison. Mor. flot 24 no. 9:15 S '64.

## LOOMS

(see also subdivision under Moscow Economic region)

Effect of the angle of winding of the warp yarn from the weaver beam on the static tension. IU. P. Erokhin. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:98-100 '65.

Effect of the parameters of loom mounting on the tension of warp threads. N. K. Ovtayn. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:90-95 '65.

Efficiency of the use of type P-105 pneumatic looms. B. G. Lushetskii. Tekst. prom. 25 no. 5:10-12 My '65.

Some ways of reducing yarn breakage in weaving factories. Z. A. Kononova. Tekst. prom. 25 no. 3:35-37 Mr '65.

Take-up of split picks in the selvedge formation on looms with a new system of weft laying. A. S. Mamukhin. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:73-79 '65.

## LOOMS—AERODYNAMICS

Investigating the air flow in the duct of a pneumatic loom. V. A. Piliipenko. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:130-142 '65.

## LOOMS—PARTS

Experimental determining of stresses in the picking mechanism parts of looms. G. M. Smirnov, N. T. Kostuchenko. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:80-91 '65.

## LOOMS—TESTING

Instrument for measuring warp tension on looms. K. P. Kuznetsov. Tekst. prom. 25 no. 3:33-35 Mr '65.

Investigating the deformation of links of the basic regulator. P. N. Beliaev. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:82-88 '65.

## LOPARITE

(see also subdivision under Sikhote-Alin Range)

Effect of alkaline modifiers on the selective flotation of loparite, asphreite, and nephelite. IU. I. Erokhin, E. M. Koval'. Obzr. rud 9 no. 4:6-10 '64.

## LORTKIPANDZE, BORIS GRIGOR'EVICH, 1907-1965

B. G. Lortkipandze; obituary. Elektricheskoe no. 4:41-45 Ap '65.

## LOSKUTOV, MIKHAIL PETROVICH

Mikhail Loskutov as journalist. Z. E. Zhuravleva. O publika. i publika. no. 1:127-138 '64.

## LOW TEMPERATURE ENGINEERING

Deep freezing for all purposes. Izobr. i izob. no. 3:11 '65.

## LOW-TEMPERATURE METALS see Metals at low temperature

## LOW TEMPERATURES

Measuring humidity in low temperatures. V. A. Zaitsev, A. A. Ledokhovich. Probl. Arkt. i Antarkt. no. 19:16-21 '65.

## LOWER VOLGA ECONOMIC REGION—CONSTRUCTION INDUSTRY—ACCOUNTING

Simplify documentation and payments in centralized transportation. M. Akhtiamov. Bukhg. uch. 22 no. 3:64-67 Mr '65.

## LOWER VOLGA ECONOMIC REGION—TRANSPORTATION, AUTOMOTIVE—FREIGHT

Simplify documentation and payments in centralized transportation. M. Akhtiamov. Bukhg. uch. 22 no. 3:64-67 Mr '65.

## LUBRICATION AND LUBRICANTS

Determining the iodine content in lubricants on the basis of infrared absorption spectra. K. I. Zimina and others. Neftepr. i neftekhim. no. 3:17-19 '65.

Effect of interelectrode compression on the structure of plastic lubricants. IU. F. Deinaha. Dop. AN URSS no. 5:615-618 '65.

Methods for determining the economic effectiveness of prolonging the utilization span of oil. M. D. Degterev. Trudy Oren. sel'khoz. inst. 14:28-33 '63.

Obtaining low pour-point naphthenic lubricants. E. P. Detusheva, L. G. Zherdeva. Neftepr. i neftekhim. no. 4:20-22 '65.

Obtaining petroleum oil mixed with sulfur and used as cutting oil [sul'fotresol] using ultrasonic waves. P. G. Alenshtain, I. N. Bulatova, A. I. Sobolev. Neftepr. i neftekhim. no. 3:20-24 '65.

Structure of lubricants in mixed soaps. V. V. Vainstok, B. N. Kaitim, G. A. Gol'dei. Trudy MINKhGP no. 44:242-250 '63.

Volumetric, mechanical, and sealing properties of lithium packing greases. I. G. Evka and others. Neftepr. i neftekhim. no. 4:22-25 '65.

## LUBRICATION AND LUBRICANTS—ADDITIVES

Final determination of the sulfur and chlorine content of additive 339 of the Central Scientific Research Institute of Aviation Fuels and Lubricants. R. I. Grodzovskaya, A. L. Riabova. Neftepr. i neftekhim. no. 4:37-39 '65.

## LUCIANUS SAMOSATENSIS

Function of arefalogy in the antireligious satire of Lucian, based on "Philopseudes." B. L. Galerikina. Vest. LGU 20 no. 8:97-100 '65.

## LUDWIGITE see subdivision under Kharaulakh Range

## LUGA DISTRICT—CLEARING OF LAND

Use of herbicides in the control of shrubs. N. A. Filalova, Z. A. Viktorova. Khim. v sel'khoz. 3 no. 3:70-71 Mr '65.

## LUGANSK PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Potentialities of our soul. A. Korenev. Sov. profsoyuz 21 no. 10:2-4 My '65.

## LUGANSK PROVINCE—CHEMICAL INDUSTRIES

Prosecutorial supervision over enterprises of the chemical industry. I. Koshovyi. Rad. pravo 28 no. 3:46-49 My-Je '65.

## LUGANSK PROVINCE—EMPLOYERS' LIABILITY

Improve the determination of cases resulting from injuries to workers and employees. V. Sokolenko. Rad. pravo 28 no. 3:85-89 My-Je '65.

## LUGANSK PROVINCE—LIBRARIES, CHILDREN'S

School of librarians. I. Man'ko. Bibliotekar' 42 no. 3:35-36 Mr '65.

## LUGANSK PROVINCE—PERSONAL INJURIES

Improve the determination of cases resulting from injuries to workers and employees. V. Sokolenko. 28 no. 3:85-89 My-Je '65.

## LUGANSK PROVINCE—PUBLIC PROSECUTORS

Prosecutorial supervision over enterprises of the chemical industry. I. Koshovyi. Rad. pravo 28 no. 3:46-49 My-Je '65.

## LUGANSK PROVINCE—TRADE UNIONS

Potentialities of our soul. A. Korenev. Sov. profsoyuz 21 no. 10:2-4 My '65.

## LUMBER—DRYING

Potapov, F. A., and N. I. Baksheeva. [Technology of working cutovers with biological drying of lumber]. Tekhnologiya razrabotki lesospek s biologicheskoi sushkoi lesa. Moskva, TSentr. nauchno-issl. i informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatvatel'skoi promyshli. i lesnomu khoz., 1964. 35 p. (Lesoskoplutatsia)

[MICROFILM]

Sokolov, P. V. [Technical and economic indices of lumber kilns]. Tekhniko-ekonomicheskie pokazateli lesosushil'nykh kamer. Moskva, TSentr. nauchno-issl. i informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatvatel'skoi promyshli. i lesnomu khoz., 1964. 29 p. (Derevoobrabotka)

[MICROFILM]

## LUMBER—TRANSPORTATION

(see also subdivision under Angara River; Carpathian Mountain region; Caucasus, Northern; White Russia; Yenisey River)

Calculations of transverse holding booms for narrowing sections of rivers. A. M. Voitsev. Trudy STI 37:182-188 '64.



## LUMBER—TRANSPORTATION (Continued)

Design characteristics and basic indices of the new TT-4 timber skidding tractor. M. E. Minchenko. Trakt. i sel'mash. no. 41-3. Ap '65.

Development of the shipping of round timber in the Volga-Kumys basin. N. Makhov, V. Kuz'min, I. A. Zhurav. Rech. transp. no. 34 no. 316-17 '65.

Mitkovskiy, D. D. [Machine for automatic calculation of lumber in a transverse raft] Mashina dlia avtomaticheskogo ucheta lesoy popyerchnoi shchety. Moskva, TSNTs nauchno-issl. i inzh. informatsii i tekhniko-ekon. isledovaniy po lesnoi, tselulozno-bumazhnoi, derevobrabatovaniyu, shchit. i lityu, lit. i promy. i lesnomu khoz. i lesn. promyshl. i lesnomu khoz., 1964. 21 p. (Lesn. eksploatatsiya)

[MICROFILM]

Moscow, TSNTs nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovaniy po lesnoi, tselulozno-bumazhnoi, derevobrabatovaniyu, shchit. i lityu, lit. i promy. i lesnomu khoz. i lesn. promyshl. i lesnomu khoz., 1964. 28 p. (Lesn. eksploatatsiya)

[MICROFILM]

Parfenov, G. M. [Possibilities of water transportation of lumber by motor vehicles] Rezervy zumei vyvozki lesa avtomobilyami. Moskva, TSNTs nauchno-issl. i inzh. informatsii i tekhniko-ekon. isledovaniy po lesnoi, tselulozno-bumazhnoi, derevobrabatovaniyu, shchit. i lityu, lit. i promy. i lesnomu khoz. i lesn. promyshl. i lesnomu khoz., 1964. 27 p. (Lesn. eksploatatsiya)

[MICROFILM]

Petrov, I. A. P. [Amphibious units for lumber floating; textbook for students of the Faculty of Woodworking and Forest Engineering] Vvedeniye v izucheniye amfibiinykh dlia splavy, uchebnoye posobie dlia studentov lesn. i inzh. fakul'teta. Leningrad, Vses. znanchn. lesotekh. in-t, 1964. 61 p.

Transportation of round timber in bundles. A. Bernatskiy, P. I. Guchin, V. Kiselev. Rech. transp. no. 4 no. 20-22 '65.

Use of aerial lines for logging trucks. I. M. Kopylov. Trudy STI. 37:133-143 '64.

## LUMBER TRADE

(see also subdivision under Igarka, Krasnoyarsk Territory, Vologda Province)

Nichol, V. N. [Timber export of the U. S. S. R. and the international timber trade] Lesnoi eksport SSSR i mezhdunarodnaya lesnaya torgovlia. [Perer. i dop. izd.] Moskva, Vneshtorgizdat, 1964. 298 p. illus., tables.

(CU) (C. O. T. U.)

LUMBERING see subdivision under Archangel Province Maritime Territory

## LUMBERING—MACHINERY

(see also subdivision under White Russia)

Answering letters. Inform. biul. VDNKH no. 10:14-15 O '63.

Balanov, M. A. [Practices in the use of grab-type tractor loaders in the lumbering industry] Opyt ispol'zovaniya chelustnykh traktornykh pogruzchikov v lesnoi promyshlennosti. Moskva, Lesnaya promyshlennost', 1963. 56 p. (Nastoychivo nedrati! peredovoi opyt v proizvodstve)

Design and basic indices of the TDT-55 timber skidding tractor. V. N. Tokovoi. Trakt. i sel'mash. no. 3 no. 1-3. M. '65.

Spiral timber loader. M. P. Pribyl'skii. Stroi. i dor. mash. 10 no. 4-9-10 Ap '65.

LUMBERING—SAFETY MEASURES see subdivision under

\*silicosis  
acid  
the  
chemi-  
cation  
of  
Amelin

Use of the thermoluminescent method for studying the geological structure of the Rakhov Massif. V. S. Sasyonov, V. M. Shvovoplas, H. V. Morozov. Dop. AN URSS no. 4:494-198 '65.

Using thermoluminescence to study secondary quartzites. E. V. Puchkov. Dokl. AN SSSR 181 no. 5:1195-1196 Ap '65.

LUMINOUS BACTERIA see Bacteria, Luminous

## LUNACHARSKII, ANATOLI VASIL'EVICH, 1875-1933

Letters of A. V. Lunacharskii. I. Siminov. Nov. mir. 41 no. 4:241-255 Ap '65.

Publication of the collected works of Lunacharskii. A. Lebedev. Nov. mir. 41 no. 2:261-264 T '65.

## LUNDMARK, KNUT EMIL, 1889-1958

Pioneer of extragalactic astronomy. K. Lundmark and his exploration of the world of stars. Ill. G. Perel. Pribl. 53 no. 3:106-107 My '65.

## LUNGS

Changes in hemodynamics following the excision of various quantities of pulmonary tissue. G. E. Pal'kovskii. Biol. eksp. biol. med. 59 no. 1:19-22 Ap '65.

Some changes in the function of the myocardium and lungs rising with the aging. R. A. Batel'man, G. V. Bunovich. Vop. geront. i geriat. 4:88-91 '65.

## LUNGS—BLOOD SUPPLY

Morphological changes in the capillary system of the lungs under normal and pathological conditions. I. P. Antyphuk. Dop. AN URSS no. 5:689-673 '65.

## LUNGS—CANCER

Bronchoscope and cytological diagnosis of bronchopulmonary cancer. E. F. Ivanova. Trudy TSUI 66:135-143 '64.

Detection of pulmonary cancer. A. N. Nud'ga. Sov. med. 28 no. 1:128-132 Ja '65.

Diagnosis and surgical treatment of lung cancer. B. K. Osipov, M. L. Semenovskii. Trudy TSUI 66:15-21 '64.

Mediastinoscopy as an objective method for the study of the anterior mediastinum. V. L. Manovich, I. V. Balabanov. Trudy TSUI 66:67-73 '61.

Methodology of regional perfusion chemotherapy of the lungs for malignant neoplasms. A. N. Novikov and others. Vest. khir. 93 no. 12:44-48 D '61.

Morphological changes in a tumor during the preoperative treatment of pulmonary cancer with Thio-T PA. V. V. Badmaeva and others. Khirurgia. 41 no. 4:24-32 Ap '65.

Phlebographic methods of determining the operability of pulmonary cancer. A. A. Chelviuski, M. I. Polikarpov, V. K. Abramov. Khirurgia. 41 no. 1:13-17 Ap '65.

Role of biopsy of bifurcation lymph nodes in the determination of the operability of pulmonary cancer. R. V. Kubitskii. Vest. khir. 92 no. 6:119-120 Je '64.

Role of various X-ray and clinical symptoms and examination methods in the diagnosis of peripheral pulmonary cancer. E. I. A. Podolskaya, L. I. Mateneva. Khirurgia. 41 no. 4:17-23 Ap '65.

Surgical tactics in metastatic tumors of the lungs. B. K. Osipov. Trudy TSUI 66:7-14 '64.

## LUNGS—DISEASES

Angiography in the diagnosis of lung diseases. A. G. Kochetkova. Trudy TSUI 66:114-121 '64.

Bronchoscopy, bronchography and angiographic comparisons in a middle lobe syndrome. T. V. Stepanova, A. G. Kochetkova. Trudy TSUI 66:151-162 '64.

Differential diagnosis of the "round foot" in the lungs. I. V. Beranova. Sov. med. 28 no. 5:113-116 My '65.

Transosseous phlebography in diseases of the lungs. V. T. Apolun. Trudy TSUI 66:74-87 '64.

## LUNGS—DUST DISEASES

Case of "black consumption" as a complication of non-occupational anthracosis in old age. V. P. Bykova. Arkh. pat. 26 no. 12:62-66 '64.

Differential diagnosis in silicosis. D. D. Iablokov. Arkh. pat. 26 no. 5:21-28 My '65.

P. P. [Pneumokoniosis; etiology, pathology and pathogenesis] Pnevmonkonioz; etiologicheskaya anatomiya, patogeneza. Moskva, 1965. 424 p.

ments in methods of determining the silicosis of rocks. S. E. Mogilevskaya, G. P. Starkov. V. prom. 9 no. 4:39-10 Ap '65.

ne phosphatase and ascorbic acid in the connective tissue in experimental pneumoconiosis. B. S. Rodkina. Pat. fiziol. i eksp. terap. 19 Mr. Ap '65.

lesions in the pathogenesis of silicosis. Pat. fiziol. i eksp. terap. 9 no. 2:80-81 '65.

## GN BODIES

Lesions following blind splinter injuries of the lungs. K. A. Golubeva. Trudy TSUI 66:114-121 '64.

LUNGS—HYDATIDS see subdivision under

## LUNGS—RADIOGRAPHY

Complications in selective angiopulmography. A. G. Stetsuk. Trudy TSUI 66:122-126 '64.

Differential diagnosis of the "round foot" in the lungs. I. V. Beranova. Sov. med. 28 no. 5:113-116 My '65.

Role of various X-ray and clinical symptoms and examination methods in the diagnosis of peripheral pulmonary cancer. L. I. A. Podolskaya, L. I. Mateneva. Khirurgia. 41 no. 1:17-23 Ap '65.

## LUNGS—SURGERY

Bilateral resection of the lungs in bronchoesophageal fistula. V. M. Furmanchuk. Vest. khir. 92 no. 6:120-121 Je '64.

Diagnosis and surgical treatment of lung cancer. B. K. Osipov, M. L. Semenovskii. Trudy TSUI 66:15-21 '64.

Effect of exercise therapy on the function of external respiration following lung surgery. A. A. Khuravskiy. Trudy TSUI 66:168-175 '64.

Phlebographic methods of determining the operability of pulmonary cancer. A. A. Chelviuski, M. I. Polikarpov, V. K. Abramov. Khirurgia. 41 no. 1:13-17 Ap '65.

Results of pulmonary resections in tuberculous lungs. B. M. Gorodetski. Azerb. med. zhur. 42 no. 1:69-71 Ja '65.

Role of biopsy of bifurcation lymph nodes in the determination of the operability of pulmonary cancer. R. V. Kubitskii. Vest. khir. 92 no. 6:119-120 Je '64.

Surgical tactics in metastatic tumors of the lungs. B. K. Osipov. Trudy TSUI 66:7-14 '64.

Surgical treatment of adenomas of the lungs. A. G. Stetsuk. Trudy TSUI 66:22-27 '64.

Surgical treatment of chronic emphysema and bronchial fistulae following pneumonectomy. I. S. Kolosnikov, P. I. Golov. Vest. khir. 91 no. 2:56-60 F '65.

Temporary unilateral bronchovascular occlusion in surgery of the lungs. V. L. Tyuganov. Trudy TSUI 66:97-107 '61.

Unilateral pulmonary anesthesia in surgery on the lungs. P. I. Dekhov, G. A. Voronin. Vest. khir. 91 no. 2:83-86 T '65.

Use of pneumoperitoneum in the postoperative period of inferior lobectomy. M. A. Elukov. Azerb. med. zhur. 42 no. 1:64-68 Ja '65.

## LUNGS—TUMORS

Pulmonary sarcomatosis (Benlon-Hoch-Schamanna's disease) with a lesion of the heart. V. I. Timofeev. Sov. med. 28 no. 5:149-150 My '65.

Surgical treatment of adenomas of the lungs. A. G. Stetsuk. Trudy TSUI 66:22-27 '64.

## LUORAVET'YANY see Chukchi

## LUPINE

(see also subdivision under Ivanovo Province)

Mironenko, A. V. [Physiology and biochemistry of lupine] Fiziolohiya i biokhimiya lupina. Minsk, Nauka i tekhnika, 1965. 201 p.

Splitting hard soluble calcium phosphates by the nodular bacteria of lupine. V. I. Zarembo, B. G. Tomashovskaya, S. M. Malinovskaya. Agrokhimiya no. 1:53-57 Ja '65.

## LUPINE—DISEASES AND PESTS

Bacterial lupine diseases. I. B. Korol'ova. Mikh. biol. zhur. 27 no. 2:87-91 '65.

LUPINE—FERTILIZERS AND MANURES see subdivision under Ivanovo Province

## LUPINE—VARIETIES

Restoration of alkaloid biosynthesis in lupine following the intervarietal crossing of alkaloidless (forage) varieties. A. V. Mironenko and others. Vest. AN URSS Ser. biol. nav. no. 1:69-73 '65.

## LUPUS ERYTHEMATOSUS

Changes in the renal glomeruli in disseminated lupus erythematosus. B. N. Tshel'ov. Arkh. pat. 26 no. 1:14-18 '64.

Neuropathological disseminated lupus erythematosus. V. V. Mikhov. Sov. med. 28 no. 5:38-39 My '65.

## LVOV—CRANES, DERRICKS, ETC.

KB-40 tower crane. I. A. E. Sigal. Stroi. i dor. mash. 8 no. 1:3-6 Ja '65.

## LVOV—DEPARTMENT STORES

Department store struggles for high quality. A. Zozulia. Sov. iorg. 38 no. 4:40-17 Ap '65.

## LVOV—DISTILLING INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Successful contest participation of the Scientific and Technical Society of the "Dnestr" firm. P. S. Kovalev. Khim. i tekhn. 31 no. 4:37-38 '65.

## LVOV—GUIDEBOOKS

Pashuk, A. L. and I. S. Derkach. [Lvov; concise illustrated guidebook] Lviv; korol'ki i turistovni putivnyk. Lviv, Kuzhkovo-zhurnal'ne vyd-vo, 1963. 173 p.

(NN)

VOV—JOURNALISM—STUDY AND TEACHING

Attracting the erudite and experienced A Kovalev  
Sov pech no 4 42 Ap '65

VOV—METASEQUOIA

Acclimatization of Metasequoia in Lvov. S.D. Mel'nik.  
Biol. Glav. bot. sada no. 56:17-18 '64.

VOV—RAILROADS—EMPLOYEES—MEDICAL CARE

Organization of medical supply of the Lvov Railway.  
I T Kachyn's'ya Farmatsev zhur 19 no 1 62-65 '61

VOV PROVINCE—INDUSTRIAL MANAGEMENT

We are fighting against the excessiveness. P. Shutak  
Ekonom. Rad Ukr 8 no 4:86-87 Ap '65.

VOV PROVINCE—MEAT INDUSTRY

Is it permissible to make cattle deliveries to the in-  
dustry on the basis of dressing percentage and meat  
quality? K. Ivanov Zakup sel'khoz prod no 5  
45-46 My '64.

VOV PROVINCE—PETROLEUM WORKERS

Anton, T. F. [Taming of the dragon; a sketch] Prybor-  
kanna drakona; narys. Kyiv, Derzhlitvydav Ukrainy,  
1963. 81 p. (Study i problemy seymrychky)

VOV PROVINCE—PHARMACY

History of pharmacy in the city of Lvov and in Lvov  
Province N I Sinhalovich Farmatsev zhur 18  
no. 1:65-70 '64

VOV PROVINCE—PHENOLOGY

Summer phenophases of the landforms in Lvov Province.  
G. L. Kravchuk. Geog. sbor. L'vov, otd. Geog. ob-va  
SSSR no. 8:135-139 '64.

VOV PROVINCE—SOVIETS

Raise the local quality standards for the operation of  
local soviets. H Atamanchuk Rad pravo 28 no. 3:  
30-33 My-Je '65

VOV PROVINCE—SWINE BREEDS

Testing main swine breeds developed on farms in Lvov  
Province using the method of controlled raising and  
fattening P. P. Ostapchuk Trudy mol uch VASHN  
no. 9 11-19 '63

VOV REGION—LANDFORMS

Natural-geographical landforms in the surroundings of  
Lvov. M. M. Kolnov. Geog. sbor. L'vov, otd. Geog. ob-  
va SSSR no. 8:54-63 '64.

VOV UNIVERSITY

From the history of the Philology Faculty. Vianik  
L'viv. un. Ser. filol. no. 1:3-5 '63.

VOV-VOLYN' BASIN—COAL MINES AND MINING

Improvement and prospects for the introduction of the  
auger boring method of mining coal in the Volyn' deposit  
I. A. Martynenko, L. F. Zorin Ugol' Ukr 9 no 5 12-  
16 My '65.

VOV-CACONITINE

Production of methyltylconitine from the Ararat larkspur  
growing in the Nakhichevan A.S.S.R. G. M. Mamedov,  
A. D. Kuzovkov, T. F. Platonova. Dokl. AN Azerb. SSR  
21 no. 1:45-50 '65.

VOV-CHNIS

Retraploid form of Lychnis chalcidonica L. L. I.  
Lipaeva. Biol. Glav. bot. sada no. 56:99-101 '64.

VOV-MPHADENOMA see Hodgkin's disease

VOV-MPHATICS

Extero- and interoceptive influences on the lymph cir-  
culation in ontogeny. I. A. Beremzhanova. Trudy Inst.  
fiziol. AN Kazakh. SSR no 6:268-274 '65.

Histochemical study of nucleic acids in lymphoid organs  
in hog cholera. N. I. Arkhipov. Vop. vet. virus. 1:285-  
290 '64.

Immunological activity of lymphoid organs in aerosol and  
subcutaneous immunization against typhoid fever. N. I.  
Aleksandrov and others. Zhur. mikrobiol., epid i  
immun. 41 no. 11:128-133 '64.

Reflex influences from the receptors of some internal  
organs on the lymph circulation. M. I. Kokhanina.  
Trudy Inst. fiziol. AN Kazakh. SSR no. 6:101-267 '65.

Role of the spinal cord in the regulation of lymph cir-  
culation. L. A. Potapov. Trudy Inst. fiziol. AN Kazakh.  
SSR no. 6:4-100 '65.

Transfer of increased sensitivity of immediate type by the  
lymphoid cells. M. A. Tumanian, O. V. Protasova.  
Zhur. mikrobiol., epid i immun. 42 no 4:105-110  
Ap '65.

VOV-MPHATICS—BIOPSY

Role of biopsy of bifurcation lymph nodes in the determina-  
tion of the operability of pulmonary cancer. R. V.  
Kubitskii. Vest. khir. 92 no. 6:118-120 Je '64.

NX see subdivision under Kara-Kalpak A. S. S. R.

LYOPHILIZATION

Homoplasty of facial defects with frozen and lyophilized  
fasciae, experimental study B. F. Morozov. Ortop.,  
traum i protez. 26 no 1 56-60 Ja '63.

Lyophilization of type-specific staphylococcus phages.  
N. P. Nefedova and others. Zhur. mikrobiol. epid i  
immun. 12 no 4 121-125 Ap '65.

LYSENKO, MYKOLA VITALIOVYCH, 1842-1912

Akademiia nauk URSS, Kiev. Institut mystetstvoznav-  
stva, folkloru ta etnografii. [Mykola Lysenko, fighter  
for nationalism and realism in art] Mykola Lysenko—  
boiets' za narodnist' i realizm u mysticstvi Kyiv,  
Naukova dumka, 1965. 220 p.

LYSINE

Role of ε-amino groups of lysine in lysozyme. G. V.  
Kleopina, N. A. Kravchenko, E. D. Kaverzueva. Izv. AN  
SSSR. Ser. khim. no. 5:830-838 '65.

LYSOZYME see Muramidase

MACARONI

All-Union seminar of the representatives of the maca-  
roni industry. L. I. Lombard. Khleb i kond. prom.  
9 no 5:43 My '65.

McDIVITT, JAMES ALTON, 1929-

People and events: Franz Muhrl, Edward White, James  
McDivitt Nov vrem 23 no 24 15, 28 Je '65.

MACHINE ACCOUNTING

(see also subdivision under Bulgaria)

Analysis of labor intensiveness and the structure of  
accounting—calculation work in compiling consolidated  
statistical reports V. I. A. Grivin. Vop. stat. i ucheta  
no. 6:172-182 '62.

Introduction. Vop. stat. i ucheta no. 6:8-9 '62.

Iakov, V. I., and M. A. Korolev. [Principles of designing  
the mechanization of accounting and planning work]  
Osnovy proektirovaniia mekhanizatsii ucheto-plano-nykh  
rabot. Moskva, Statistika, 1965. 250 p.

Journal-voucher form of accounting in connection with the  
use of keyboard accounting machines. N. I. Savitskii  
Vop. stat. i ucheta no. 6 205-214 '62

Machine accounting in river transportation S. Makhilak.  
Bukh. uch. 21 no 10:37-39 O '64.

Machine accounting in the Northwestern River Steamship  
Company S. Kriazhevskii. Bukh. uch. 22 no. 3:47-  
50 Mr '65

Machine accounting is introduced with difficulty.  
K. Mekhanishin. Nar. khoz. Kazakh 23 no 4 61-63  
Ap '65

Machine accounting on state farms. N. A. Nikiforova.  
Vop. stat. i ucheta no 6:157-171 '62

Method for the study of accounting-planning information.  
E. P. Koroleva. Vop. stat. i ucheta no 6:56-73 '62.

Organization of machine accounting in the wholesale  
trade of the Socialist Republic of Czechoslovakia  
Milan Kryka. Bukh. uch. 21 no. 10:53-61 O '64

Problems in the mechanization of statistical records in  
the system of the Central Statistical Administration.  
N. I. Shchedrin. Vop. stat. i ucheta no. 6:183-204 '62.

Results of a study of the possibility of using calculating  
machines in the analysis of labor indices at machinery  
manufacturing enterprises. A. V. Ahanina. Vop. stat.  
i ucheta no. 6:83-101 '62

Seminar on machine accounting. Bukh. uch. 22 no. 4:  
78-80 Ap '65.

MACHINE ACCOUNTING—STUDY AND TEACHING

Train computing-machine specialists. N. Polovnev  
Nar. khoz. Kazakh. 23 no 4:63-64 Ap '65.

MACHINE PARTS

Moscow. Universitet družby narodov. Kafedra "Kon-  
struktivnye detali, uzlov mashin i mekhanizmov." [Ab-  
stracts of lectures in the course "Machine parts"] Kon-  
spok lektsii po kursu "Detali mashin." Moskva.

Pt. 1. Lectures 1-7. [General information. Joints]  
Obshchie svedeniia. Soedineniia. 1964. 80 p.  
Pt. 2. Lectures 8-14. [Power transmissions] Pere-  
dachi. 1964. 108 p.

[MICROFILM]

Parts made of compressed wood. I. I. Andreev, V. I.  
Andreev. Mashinostroitel' no. 4:36-37 Ap '65.

MACHINE PARTS—ABSTRACTS

[Materials for machinery manufacture and the design of  
machine parts. Hydraulic drive] Ref. zhur. Mashino-  
stroil. mat., konstr. i rasch. det. mash. Gidr. no. 5 My  
'65.

MACHINE PARTS—DESIGN AND CONSTRUCTION

[Preparation of a course project on machine parts; refer-  
ence manual] Kursovoe proektirovanie detalei mashin;  
uchebno-spravochnoe posobie. Izd. 4., perez. [By]  
G. M. Tsikovich i dr. Moskva, Mashinostroenie, 1964.  
594 p.

MACHINE-SHOP PRACTICE

New technological processes in the manufacture of fas-  
tening bolts and screws. G. S. Syrnov. Prihorostro-  
enie no. 4:14-15 Ap '65.

MACHINE-SHOP PRACTICE—SAFETY MEASURES

Improving working conditions for fitters working with  
pneumatic tools A. M. Mikulinskiy Avi prom 11  
no 1:40-41 Ap '65

MACHINE-TOOL INDUSTRY

Increase the effectiveness of socialist production. Stan  
i instr. 36 no 4:1-2 Ap '65

MACHINE-TOOL INDUSTRY—COSTS see subdivision  
under Moscow

MACHINE-TOOL INDUSTRY—HYGIENIC ASPECTS

Prophylaxis for injuries and diseases of the eyes of  
workers in the "Krasnyi Proletari" machine-tool plant  
G. K. Gaverdovskaya Trudy 1-go MMI 32 51-65 '65

MACHINE TOOLS

Introducing a machine-tool unit having a single drive  
manufactured at the "KATEK" Plant. V. A. Iablokov.  
Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch.  
i tekhn. inform. 18 no 3:30-32 Mr '65.

Introducing an automatic readjusting line for machining  
nonrigid shafts. V. P. Teslenko. Biol. tekhn. -ekon.  
inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18  
no. 3:21-23 Mr '65.

Introducing the 525 semiautomatic deburring and  
chamfering machine. P. A. Kas'ianov Biol. tekhn. -ekon.  
inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18  
no 4:37-38 F '65

Machine tool in a rucksack machine tool in a suitcase,  
machine tool as a meat grinder I. A. Mednis Izobr i  
rats no 4:7 '65

Machine tools at the Leipzig Spring Fair, 1965 Stan i  
instr. 36 no 5 36-37 My '65

New machine tools. Stan. i instr. 36 no 4:39 Ap '65.

New machine tools. Stan i instr. 36 no 5 37-39 My  
'65

Using tool steels in manufacturing machine-tool parts  
A. P. Skuzovatova Stan i instr. 36 no 5 29-30 My  
'65

MACHINE TOOLS—NUMERICAL CONTROL

Approach speed to a given position in position-controlled  
machine tools. M. S. Gorodetskii, A. I. Levin. Stan i  
instr. 36 no. 4 22-25 Ap '65

Design of copying systems with stretched profiling  
devices. G. M. Sheinin Izv. vuz. ucheb. zav. mashino-  
stroit. no. 1:163-178 '65

Klebanov, M. K. [Design of cam-gear drives for the  
working elements of automatic machine tools]  
Proektirovanie privodov rabochikh organov avtomati-  
cheskikh stankov s kulachkovymi mekhanizmami.  
[Kulbyshev] Kulbyshevskoe knizhnoe izd-vo, 1961.  
50 p.

[MICROFILM]

MACHINE TOOLS—PARTS

Causes of seizing on the feed guides of machine tools and  
methods for its prevention. A. S. Lapilus, B. N.  
Chirzhov. Stan i instr. 36 no 5 22-25 My '65

High-speed pneumatic turn table. N. P. Riabets, M. G.  
Sirlachenko Mashinostroitel' no. 4:13 Ap '65

Investigation and design of guides with pressure lubrica-  
tion. G. A. Levit, B. G. Luc'e Stan i instr. 36 no 5  
15-21 My '65

Unit for machining large-size machine-tool beds. S. D.  
Shlesberg. Mashinostroitel' no. 5:13 My '65.

MACHINE TOOLS—PERMEABILITY

Increasing the durability of the gear wheels of machine  
tools. R. M. Pratushevich, N. M. Leibova, A. S. Zol'teva  
Stan i instr. 36 no 5:12-15 My '65.

MACHINE TOOLS—PNEUMATIC DRIVING

Economic efficiency of pneumatic drives. Kh. L. Bolotin,  
V. A. Grigor'ev. Mashinostroitel' no. 5:28-30 My '65.

MACHINE TOOLS—RELIABILITY

Determining reliability requirements for mechanisms  
and machine tools in automatic lines. L. I. Volchkevich  
Vest. mashinost. 45 no. 4:13-18 Ap '65

Quality and reliability of machine tools. P. G. Vydrin  
Stan. i instr. 36 no. 5 2-3 My '65

MACHINE TOOLS—TECHNOLOGICAL INNOVATIONS

Sedolov, L. M., ed. [Increasing the productivity of  
heavy-duty machine tools] Povyshenie proizvoditel'nosti  
krupnykh metalloobrabotnykh stankov. [By] I. A.  
Nemirovskii i dr. Moskva, Mashinostroenie, 1965.  
201 p.

MACHINE TOOLS—TESTING

Experimental determining of strains in the parts of a  
slotting machine. V. M. Vidgorchik, V. A. Davydov,  
I. U. M. Polishchuk. Trudy Oren. sel'khoz. inst. 14:  
109-208 '63.

MACHINERY

(see also subdivision under Noril'sk region, Kras-  
noyarsk Territory)

Basic definitions and terminology of the reliability and  
longevity of machinery. K. P. Chudakov. Stroitel. dor.  
mash. 8 no. 3:5-8 Mr '63.

## MACHINERY—ABSTRACTS

Materials for machinery manufacture and the design of machine parts. [Hydraulic drive] Ref. zhur. Mashinostroitel' mat., konstr. i rasch. det. mash. Gidr. no 5 My '65.  
Technology of machinery manufacture] Ref. zhur. Tekhn. mashinost. no 5 My '65

## MACHINERY—DESIGN AND CONSTRUCTION

See also subdivision under Armenia)  
Calculating the efficiency of new machine types A. D. Khasgar'skii Z. i Pashkevich Vest mashinost. 45 no 10-73 Ap '65  
A perfect project L. Shoadi NTO 7 no 3-31-32 r '65

## MACHINERY—FOUNDATIONS

Problems involved in the amount of steel used in the foundations of rolling equipment F. Gitman Prom. stroit. inzh. soor. 6 no 2-10-13 Mr.-Ap '64

## MACHINERY—RELIABILITY

Calculation of machinery and their parts for reliability V. N. Tsier Str. i det. mash. 8 no 3: -17 Mr '63  
Problems of the reliability and failure of machinery. Nekotorye voprosy nadzhnoi i dolgovechnosti mashin. Minsk, In-t nauchno-tekhn. informatsii i propagandy, 1963 46 p.  
[MICROFILM]

Production of machine and tool elements reliability based on the change in efficiency, rating under different operating conditions V. N. Treier, IU V. Skorynin, V. M. Smetanov Dokl. AN SSSR 9 no 2-113-117 F '65

## MACHINERY, AUTOMATIC

Natural synthesis of pneumatic systems of automatic machines taking into consideration the dynamics of their operation. M. L. Frolov. Mashinovedenie no. 121-165.

## MACHINERY, KINEMATICS OF

Dynamics of the steady motion of a machine unit with electric drive and self-braking transmission. V. L. Gitis. Mashinovedenie no. 151-58 '65.

## MACHINERY INDUSTRY

See also subdivision under Chirchikent, Donets Economic region, Germany, East, Kazakhstan, Uznetsk Basin, Volga-Vyatka Economic region, West Ural Economic region)

Conference on flame machining processes in machine manufacture M. M. Popelkin Svar prozv. 3 no 3-45 Mr '65

Development of machine manufacture in the Soviet Union. D. Popov. Trudy Khar. med. inst. no. 38:5-9 '57.  
Logic and stages of the development of large-scale machinery manufacturing S. Kheimein Vop. ekon. no 5:46-58 My '65  
Machinery-industry workers report. Mashinostroiteli' 5:1 My '65.

Technical and economic features of using steel concret in machinery manufacturing D. M. Chernenko Trudy LPI no 244 94-98 '65

## MACHINERY INDUSTRY—ABSTRACTS

Problems of technological progress and the organization of production in the machinery industry] Ref. zhur. Tekh. prog. i org. prozv. v mashinost. no. 6 Je '65. Predmetnyi ukazatel' za 1964 g.

## MACHINERY INDUSTRY—ACCOUNTING

See also subdivision under Moscow)  
Analyzing the influence of measures in new technology. Gradabain Bukhg. uch. 22 no 3-23-33 Mr '65.  
Improving the accounting in forging production. I. Traisev. Bukhg. uch. 22 no. 4, 20-23 Ap '65.  
Results of a study of the possibility of using calculating machines in the analysis of labor indices at machinery manufacturing enterprises. A. V. Abanina. Vop. stat. ucheta no 6:93-104 '62

## MACHINERY INDUSTRY—CONGRESSES

Decision parts are the road toward technical progress in machine manufacture IU. N. Nikolenko, Kuz. -kam. prozv. 7 no 3-47-48 Mr '65.

## MACHINERY INDUSTRY—COSTS

Accounting and distribution of expenditures for production maintenance. V. Savin. Bukhg. uch. 22 no. 4-23- Ap '65  
Isolation of the unfinished production and the distribution of indirect expenditures. S. Ivanov, I. Matov. Bukhg. uch. 22 no. 3, 61-64 Mr '65

## MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Molov, A. G., and I. N. Bratslavskii. [Handbook on tool equipment] Spravochnik po standartnomu rudovaniiu. Moskva, Mashinostroenie, 1965. 338 p.

## MACHINERY INDUSTRY—MANAGEMENT

See also subdivision under Ukraine)  
The State Committee of the Machinery Industry. Vest. mashinost. 45 no 4-83 Ap '65.

Dedov, G. M. [System of continuous operative planning of material and technical supplies at a machinery enterprise] Sistema neperyvnoy operativnoy planirovaniya material'no-tekhnicheskogo snabzheniya na mashinostroitel'nom predpriyatii Leningrad, 1965 33 p. (Leningradskii nauchno-tekhnicheskii propagandy. Peredovoi proizvodstvennyi opyt. Seriya Ekonomika, Organizatsia i planirovanie proizvodstva)

Method of the analysis and indices of production specialization based on the assortment of finished products A. P. Grado Trudy LPI no 214 11-23 85.

Organization and mechanization of engineering and management work B. I. A. Gol'denberg Vest mashinost. 45 no 4-82 Ap '65

Problems of measuring the results of the managerial operation of machinery manufacturing plants A. S. Konson Trudy LPI no. 244-7-13 '65  
System of continuous planning in the enterprises of our country. G. V. Atavina Mashinostroiteli' no 4-30-33 Ap '65

Tatevosov, K. G. [Principles of operation and production planning in a machinery-manufacturing enterprise] Osnovy operativno-proizvodstvennogo planirovaniya na mashinostroitel'nom predpriyatii. Moskva, Mashinostroenie, 1965. 375 p.

## MACHINERY INDUSTRY—QUALITY CONTROL

Voinitsov, L. N. [Photoelectric systems of control of linear magnitudes] Fotoelektricheskie sistemy kontrolya lineinykh velichin. Moskva, Mashinostroenie, 1965. 235 p.

## MACHINERY INDUSTRY—STANDARDS

(see also subdivision under Gorkiy)  
[Index of standard specifications for the machinery industry for 1965; in effect as of January 1, 1965] Ukazatel' normativ mashinostroeniya 1965 (po sostoiyaniu na 1 ianvaria 1965 g.) Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965 374 p.

## MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Andronov, L. I. [Economic efficiency of the technological reorganization of a machinery manufacturing plant] Ekonomicheskaya effektivnost' tekhnicheskogo perevooruzheniya mashinostroitel'nogo zavoda. Moskva, Mashinostroenie, 1965. 102 p.

Soviet innovations in the machinery industry. Vest. mashinost. 45 no 4:84-85 Ap '65.

## MACHINERY INDUSTRY WORKERS see subdivision under Balaishirka (Moscow Province)

## MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Chelyabinsk

## MACROIDES

Unsaturated acids and macrocyclic lactones. Report No. 16: Synthesis of compounds related to methymicine. L. D. Bergel'son, S. G. Batrakov. Izv. AN SSSR. Ser. khim. no. 5:818-825 '65.

## MACROMOLECULAR COMPOUNDS

Photometric determination of high-molecular weight products of autooxidation in furfuryl alcohol G. N. Cherniaseva, IU L. Khol'm Zhur. anal. khim. 20 no 3, 375-379 '65

Polarized luminescence study of the Brownian motion of luminescent macromolecules. E. V. Anufrieva and others. Vysokom. soed. 7 no 1-25-27 Ja '65.

Synthesizing macromolecular hydrocarbons with conjugate double bonds by a dehydrohalopolymerization reaction. I. A. M. Pauskhn, S. A. Nizova, V. S. Gaevala. Trudy MINKINGP no 44:43-47 '63

Theory of globule-coil transitions in macromolecules O. B. Pitsyn, IU. E. Eizner Biotsika 10 no. 1-3-8 '65

## MACROPHAGES

Role of opsonizing factors in the phagocytosis of Brucella by macrophages N. I. Braude. Zhur. mikrobiol., epid. i immun. 41 no. 10, 71-78 '64.

## MAFIA

The shots in Palermo. IU. Lisovskii. Nov. vrem. 22 no 22:27-29 My '65

## MAGNESIUM

Eidenzon, M. A. [Construction of furnaces and electrolytic cells for the production of magnesium] Montazh pechei i elektrolizerov v proizvodstve magnit. Moskva, Metallurgiya, 1965. 69 p.

## MAGNESIUM ALLOYS

Photometric determination of copper in magnesium and magnesium alloys by means of bismuthonitric acid V. N. Tikhonov, I. S. Mustafin. Zhur. anal. khim. 20 no. 3:390-392 '65.

## MAGNESIUM-ALUMINUM ALLOYS—HARDENING

Effect of plastic deformation between thermal and age hardening operations on the properties and structure of the MA5 magnesium alloy. Z. A. Sviderakala and others. Izv. AN SSSR. Met. no. 1:160-165 Ja-F '65.

## MAGNESIUM-ALUMINUM ALLOYS—METALLOGRAPHY

Effect of plastic deformation between thermal and age hardening operations on the properties and structure of the MA5 magnesium alloy. Z. A. Sviderakala and others. Izv. AN SSSR. Met. no. 1:160-165 Ja-F '65.

## MAGNESIUM FLUORIDE

Field-intensified secondary electron emission in sputtering through thin layers of magnesium fluoride. L. A. Seibinov, V. I. Salin. Fiz. tver. tela 7 no 5:1655-1667 My '65.

## MAGNESIUM NITRATE

Physicochemical analysis of the products of interaction between magnesium nitrate and urea. V. M. Kakhadze and others. Dokl. AN SSSR 161 no 5:1166-1167 Ap '65

## MAGNESIUM ORGANIC COMPOUNDS

Polymerization of acrylonitrile under the effect of organomagnesium compounds B. I. Lysalinskii, I. V. Kulevskaya Vysokom. soed. 7 no 1:181-185 Ja '65

## MAGNETIC AMPLIFIERS

Method for eliminating a minimum current in the load of a magnetic amplifier. O. M. Mikhalk, K. O. Lypkivskiy Dop. AN URSS no. 5:593-596 '65.

Transient processes in a choke-coupled magnetic amplifier A. A. Krasnopushina. Izv. vuz. ucheb. zav., prib. 8 no 2-20-26 '65

## MAGNETIC ANOMALIES

Possibility for studying the tectonic structure of the lower horizons of the earth's crust by recalculating the  $\Delta T_d$  anomaly for various altitudes in the upper half-space G. I. Krugliakova Geomag. aer. 5 no 3-530-545 My-Je '65

## MAGNETIC CIRCUITS

Design of high-speed electromagnets. A. K. Ter-Akopov. Elektrichestvo no. 4:71-74 Ap '65.

Surface effect in cylindrical ferromagnetic bodies. E. M. Ivanov, V. E. Pukhova. Izv. vuz. ucheb. zav., elektr. mekh. 7 no. 7:781-796 '64.

## MAGNETIC FIELDS

Asymptotic behavior of magnetic field formation in a stratified medium. P. P. Frolov. Izv. AN SSSR. Fiz. zem. no 1-58-68 '65

Effect of a pulsating magnetic field on the position of the temperature range of martensite transformations in steel. E. A. Pokinn, L. V. Smirnov, V. D. Sadovskii. Fiz. met. i metalloved. 10 no 4-502-505 Ap '65.

Effect of a transverse magnetic field on a low-voltage arc in cesium vapors. I. I. Bondarenko, IU. K. Gus'kov, M. A. Lebedev. Zhur. tekhn. fiz. 35 no 4:751-759 Ap '65.

Energy spectra and resonance frequencies of biaxial antiferromagnets. IE. V. Zorochentsov, V. O. Popov. Ukr. fiz. zhur. 10 no. 4:308-301 '65.

Flotability of iron oxides from a pulp treated in a magnetic field. F. N. Holuev, V. A. Chumakov. Gor. zhur. no 5:63-65 My '65.

Hysteresis in the phenomena of helical uniaxial anisotropy of a positive column in a magnetic field A. A. Zaitsev, N. N. Shvilkov. Radiotekhn. i elektron. 10 no. 5:951-952 My '65.

Improving the technological properties of water by the action of a magnetic field. V. I. Klaseen, S. V. Shecherbakova. Gor. zhur. no. 6:58-63 My '65.

Leveling of certain instabilities in the motion of a plasma across a magnetic field. E. G. Lartontsev. Dokl. AN SSSR 162 no. 3:530-530 My '65.

Magnetic field sources having a directional effect. G. V. Pris. Izv. AN SSSR. Fiz. zem. no. 1:67-76 '65

The question remains open. D. A. Gorodskii. Elektr. tekhnika 36 no. 5:81 My '65.

Resonance motion of electrons in a magnetic field with helical symmetry. V. H. Marynin. Ukr. fiz. zhur. 10 no. 5:461-465 My '65.

Spin absorption in weak magnetic fields. B. N. Provotorov, A. A. Samokhin. Fiz. tver. tela 7 no 5:1201-1203 My '65.

Study of the spatial distribution of magnetic fields and the electromagnetic effects in induction pumps. N. M. Okhremenko. Mag. gidr. no. 1:97-109 '65.

Transformation of a metal into a dielectric, and the electronic characteristics of metals in high magnetic fields. M. I. Azbel', N. B. Brandt. Zhur. eksp. i teor. fiz. 48 no. 4:1206-1209 Ap '65.

## MAGNETIC INSTRUMENTS

Induction receiver of magnetic variations L. N. Baranskii Izv. AN SSSR. Fiz. zem. no 1:127-130 '65.

## MAGNETIC MATERIALS

Existence of a linear relation between  $\gamma T$  and  $\delta H/dt$  in antiferromagnetics. B. I. Al'shin, D. N. Astrov. Zhur. eksp. i teor. fiz. 48 no. 4:1080-1083 Ap '65.

Magnetic alloys for operation at high temperatures. G. V. Pahechenkova, A. D. Skokov. Elektrichestvo no. 4:81-83 Ap '65.

## MAGNETIC MATERIALS—SPECTRA

Optical absorption spectrum of the antiferromagnet  $\text{NiNiF}_3$ . R. V. Plisarev. Fiz. tver. tela 7 no. 5:1382-1388 My '65.

## MAGNETIC MEASUREMENTS

Accuracy of the determination of permeability and specific inductive capacitance using the method of two places. G. I. Gladyshev, I. A. Egorshin. Izv. vuz. vych. zav. radiofiz. 8 no. 1:119-121 Ja-F '65.

Plotting of a d.c. magnetization curve using a bridge circuit. A. G. Zdrok, G. L. Kazenas. Elektrotehnika 36 no. 5:46 My '65.

Recombination radiation in InSb due to the magnetoeconcentration effect. V. I. Ivanov-Omskii, B. T. Kolomiets, V. A. Smirnov. Dokl. AN SSSR 161 no. 6:1308-1309 Ap '65.

## MAGNETIC PROSPECTING

(see also subdivision under Arctic regions)

Integration of the horizontal H-component of the intensity of a magnetic field using the analytic method. A. A. Litvinov, V. I. Pavlovskii. Ruzyed. geofiz. no. 2:02-03 '61.

Quantitative interpretation of the data of an aerial survey of a magnetic field by means of the joint solution of equations. V. A. Nasonov. Ruzyed. geofiz. no. 2:01-08 '64.

Rogachev, B. V. [Manual on a charge method with measurement of a magnetic field] Rukovodstvo po metodu zariada s izmereniem magnitnogo polia. Moskva, Nedra, 1965. 100 p.

## MAGNETIC RECORDERS AND RECORDING

Attachment for transcription. V. Ivanov. Radio no. 5:35-36 My '65.

Determining some qualitative characteristics of magnetic tapes and recording systems. I. A. Vasilevskii. Tekh. kina i telev. 9 no. 5:18-24 My '65.

Magnetic tape recorder and dictaphone combination. A. Rumiantsev. Radio no. 5:42 My '65.

Signal spectra in the channel of magnetic recording of measurement data. R. I. Syropiatova. Izv. vuz. vych. zav., prib. 8 no. 2:14-19 '65.

Testing by means of a magnetophone. A. Abdullin. Izobr. i izm. no. 4:35-37 '65.

Transcription with "Dnepr" series magnetic tape recorders. N. Meshkov. Radio no. 5:36-37 My '65.

## MAGNETIC SEPARATION OF ORES

Chemical treatment of tailings of Svyarsk iron-olivinite ores obtained by the concentration by magnetic separation. Part 2: Solubility of tailings in sulfuric and nitric acids. A. A. Alekshand and others. Izv. AN Arm. SSR, Khim. nauki 10 no. 1:96-103 '65.

Industrial mastering of drum separators with magnetic systems of barium ferrite. V. P. Nikolaenko, R. V. Ivanova. Met. i gornorud. prom. no. 2:70-80 Mr-Apr '65.

New ERM-2 electromagnetic separator. V. V. Krutii, Z. P. Armanhova, V. A. Gramm. Met. i gornorud. prom. no. 2:65-67 Mr-Apr '65.

## MAGNETIC STORMS

Interpretation of observations of the sudden onset of magnetic storms in outer space. K. G. Ivanov. Geomag. i aer. 5 no. 3:471-476 My-Je '65.

Some characteristics of the relationship between auroras and magnetic disturbances. S. A. Zaitseva. Geomag. i aer. 5 no. 3:595-599 My-Je '65.

## MAGNETISM

Zisman, G. A., and O. M. Todes. [Course in general physics] Kurs obshchei fiziki. Moskva, Nauka. Vol. 2. [Electricity and magnetism] Elektrichestvo i magnetizm. Izd. 2, 1965. 366 p.

## MAGNETISM, TERRESTRIAL—see subdivision under Antarctic regions

## MAGNETISM, TERRESTRIAL—ANALYSIS

Statistical analysis of the main part of the earth's magnetic field. Part 1: General theory. H. Kautzleben. Geomag. i aer. 5 no. 3:502-510 My-Je '65.

Statistical analysis of the main part of the earth's magnetic field. Part 2: Analysis of world magnetic charts for the epoch 1955. O. H. Kautzleben. Geomag. i aer. 5 no. 3:511-521 My-Je '65.

## MAGNETISM, TERRESTRIAL—DIURNAL VARIATION

Perturbed solar diurnal variations at high latitudes during the IGY. I. A. Fedakhtsin, A. N. Zaitsev. Geomag. i aer. 5 no. 3:477-480 My-Je '65.

## MAGNETISM, TERRESTRIAL—OBSERVATIONS

Calculation of the geomagnetic field at high altitudes. N. V. Adam, N. P. Benkova, L. O. Tiurmina. Geomag. i aer. 5 no. 3:522-528 My-Je '65.

Geometry of short-period variations (pulsations) on the earth's electromagnetic field. O. M. Barsukov. Geomag. i aer. 5 no. 3:487-493 My-Je '65.

Properties and nature of geomagnetic micropulsations with periods from 10 seconds up to several minutes. K. I. Uzbil. Geomag. i aer. 5 no. 3:494-498 My-Je '65.

Some characteristics of magnetic Pc1 pulsations in magnetically coupled regions (Borok-Kerguelen station, February, 1964). G. Laurent and others. Geomag. i aer. 5 no. 3:499-501 My-Je '65.

Some results of comparing the magnetic observations conducted on the "Zarya" with the aeromagnetic survey according to the plan "Magnit". M. M. Ivanov. Geomag. i aer. 5 no. 3:529-533 My-Je '65.

Tasks performed by the nonmagnetic ship "Zarya" in 1964. M. M. Ivanov. Geomag. i aer. 5 no. 3:534-537 My-Je '65.

The 27-day variation of the geomagnetic field disturbance on zero-days of cosmic-ray intensity. L. I. Dorman and others. Geomag. i aer. 5 no. 3:565-568 My-Je '65.

## MAGNETISM, TERRESTRIAL—OBSERVATORIES see subdivision under Yakutsk

## MAGNETISM, TERRESTRIAL—TABLES, ETC. see subdivision under Antarctic regions

## MAGNETITE see subdivision under Caucasus, Sayan Mountains

## MAGNETITE CRYSTALS

Domain structure in a magnetite single crystal. Change in the domain structure due to an exterior magnetic field. A. A. Bogdanov, A. I. A. Vlasov. Izv. AN SSSR. Fiz. zem. no. 1:49-58 '65.

## MAGNETIZATION

Time dependence of the establishment of equilibrium magnetization of a nuclear spin system under the action of ultrasound. A. M. Sazonov, S. B. Grigor'ev. Fiz. tver. tela 7 no. 5:1389-1392 My '65.

## MAGNETOHYDRODYNAMIC GENERATORS

Optimization of a magnetohydrodynamic generator. A. S. Pleshanov. Dokl. AN SSSR 162 no. 2:302-305 My '65.

## MAGNETOHYDRODYNAMICS

Effect of relative roughness on the flow of a conducting fluid in the presence of a magnetic field. R. A. Dukure. Mag. gidr. no. 1:29-32 '65.

Experiments with an unconfined trough for liquid iron. G. G. Branover and others. Mag. gidr. no. 1:115-122 '65.

Flow of a conducting fluid past a circular cylinder in a transverse magnetic field. Kh. L. Kalls and others. Mag. gidr. no. 1:19-28 '65.

Hydromagnetic waves in a nonisotropic medium in the presence of a gravitational field. A. V. Getling. Astron. zhur. 42 no. 3:568-571 My-Je '65.

Laminar flows of a conducting fluid in pipes and channels in the presence of a magnetic field. S. A. Regirer. Mag. gidr. no. 1:5-17 '65.

Magnetic flowmeters. N. M. Turchin. Mag. gidr. no. 1:147-153 '65.

Nonlinear magnetohydrodynamic waves. R. V. Polovin. Dif. urav. 1 no. 4:480-522 Ap '65.

Optimum conditions for magneto-gas dynamic flows in channels allowing for the Hall effect. E. N. Zellochenko, T. E. Millerlan, N. I. Pol'skii. Mag. gidr. no. 1:67-72 '65.

The problem of the piston in magneto-gas dynamics. G. Baush. Vest. LGU 20 no. 7:95-105 '65.

Sokolov, I. N. [Fundamentals of hydrogasdynamics] Osnovy gidrogazdinamiki. [Izdatel'stvo] Vysshaya shkola, 1964. 86 p.

## [MICROFILM]

Some problems involving the two-dimensional flow of an incompressible fluid in a channel in the presence of electric and magnetic fields. I. K. Kukin, G. G. Smolin. Mag. gidr. no. 1:43-54 '65.

Some results of measuring pulsations in the rate of a turbulent mercury flow in the presence of a transverse magnetic field. G. G. Branover, N. M. Shisarev, E. V. Shcherbinin. Mag. gidr. no. 1:33-39 '65.

Statistical theory of particle acceleration by magnetohydrodynamic waves in a weakly turbulent rarefied plasma. A. A. Galeev. Dokl. AN SSSR 161 no. 4:802-805 Ap '65.

Steady axisymmetric motion of a conducting gas in external electric and magnetic fields in quasi-one-dimensional approximation. S. S. Filippov. Mag. gidr. no. 1:55-60 '65.

Three-dimensional boundary layer of a conducting fluid near the line of intersection of two surfaces in an electromagnetic field. E. L. Kitanin. Mag. gidr. no. 1:37-42 '65.

Two-dimensional motion of a conducting medium in the presence of mass forces and a plane magnetic field. A. G. Khanadze. Geomag. i aer. 5 no. 3:417-422 My-Je '65.

## MAGNETOHYDRODYNAMICS—CONGRESSES

Fourth Conference on Magnetohydrodynamics held at Riga. M. V. Filippov. Mag. gidr. no. 1:164-166 '65.

## MAGNETOMETER

Towed Z-magnetometer on gimbals. I. A. Maevskii, V. V. Novykh, D. L. Pinger. Geomag. i aer. 5 no. 3:595-597 My-Je '65.

## MAGNETO-OPTICAL EFFECT

Interrupted processes of pulsed magnetic reversal. E. N. Il'icheva, I. S. Kolotov. Izv. AN SSSR. Ser. fiz. 28 no. 4:552-554 Ap '65.

## MAGNETO-OPTICS

Spherical aberration of the width of a linear image in a composite quadrupole lens. A. D. Dymnikov, T. A. Iavor. Zhur. tekhn. fiz. 35 no. 4:759-761 Ap '65.

## MAGNETORESISTANCE

Theory of oscillations of longitudinal magnetoresistance. A. L. Efros. Fiz. tver. tela 7 no. 5:1501-1505 My '65.

## MAGNETRONS

Steady-state characteristic of a magnetron diode. A. M. Rezikhan, K. G. Agababian, M. G. Markosian. Radiotekh. i elektron. 10 no. 4:589-592 Ap '65.

## MAGNETS

Silvinskaya, A. G., and A. V. Gordon. [Permanent magnets] Postoiannyye magnity. Moskva, Energiya, 1965. 127 p.

## MAGNITOGORSK—BORING MACHINERY

Mastering the P-25 roller-boring machine at the Magnitogorsk mine. N. G. Antonov, A. N. Gradobik, K. I. Korobochkin. Gor. zhur. no. 3:39-41 Mr '65.

## MAGNITOGORSK—IRON INDUSTRY—ACCOUNTING

Centralization of accounting in a metallurgical combine. S. Kovalev, N. Tretyus, D. Vaisman. Bukhg. uch. 22 no. 4:6-10 Ap '65.

## MAGNITOGORSK—STEEL INDUSTRY—ACCOUNTING

Centralization of accounting in a metallurgical combine. S. Kovalev, N. Tretyus, D. Vaisman. Bukhg. uch. 22 no. 4:6-10 Ap '65.

## MAGNITSKII, LEONTII FILIPPOVICH, 1699-1739

The first teacher of the Russian Academy. A. Denisov. Mor. flot 24 no. 9:42 S '64.

## MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

Pertsov, V. O. [Malakovskii; his life and works in the last years, 1925-1930] Malakovskii; zhizn' i tvorchestvo v poslednie gody, 1925-1930. Moskva, Nauka, 1965. 418 p.

Russia (1923- U. S. S. R.) Tsentralnyi gosudarstvennyi arkhiv literatury i iskusstva. [V. V. Malakovskii "Windows" of the Russian Telegraph Agency and the Main Committee of Political Education in 1919-1922; description of documentary materials] V. V. Malakovskii; "Okna" Rosta i Glavpolitprosveta 1919-1922 gg., oplanenie dokumental'nykh materialov. Moskva, No. 1, 1964. 287 p.

Sokhor, A. N. [Malakovskii and music] Malakovskii i muzyka. [Moskva] Muzyka, 1965. 161 p.

Timofeeva, V. V. [Language of a poet and the times; the poetic language of Malakovskii. Author's abstract of a dissertation for the degree of Doctor of Philological Sciences] Iazyk poeta i vremia; poeticheskii iazyk Malakovskogo. Avtoreferat dissertatsii na soiskanie uchenoi stepeni doktora filologicheskikh nauk. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 31 p. [MICROFILM]

## MAIZE see Corn (Maize)

## MAJEWSKA, P.

Honorary award. M. Rzeszowski. Kryl. rod. 13 no. 3:16 Mr '62.

## MAKHACHKALA—FISH, CANNED

Use of a sardine dryer of continuous action for the production of "Herring in Oil" canned fish. Z. T. Nechaeva, M. G. Abissinskaya. Ryb. khoz. 41 no. 4:69 '65.

## MAKHACHKALA—ORTHOPEDIC SHOES

Let's improve orthopedic shoes. M. Osmanov. Sots. khesp. 26 no. 4:44 Ap '65.

## MAKOVSKII, IOSIF IVANOVICH, 1895-1946

Father and son; documents from the life of the Makovskii family. Nov. mir. 41 no. 4:200-221 Ap '65.

## MAKOVSKII, SPARTAK IOSIFOVICH, 1920-

Father and son; documents from the life of the Makovskii family. Nov. mir. no. 4:200-221 Ap '65.

## MAKSAKOV, VLADIMIR VASIL'EVICH, 1866-1964

In memory of Vladimir Vasil'evich Maksakov. Ist. SSSR 9 no. 1:233-237 Ja-F '65.

## MAKIMOVICH, GEORGI ALEKSEEVICH

Works of G. A. Maksimovich on speleology. G. K. Mikhailov, G. V. Bel'tukov. Peshchery no. 4:113-117 '64.

MALARIA see subdivision under Crimica

MALARIA—PREVENTION see subdivision under Azerbaijan

MALLOW see subdivision under Koml A. S. S. R.

#### MALONIC ACID

Alkyl compounds. Part 14: Pyrolysis and catalytic de-alcoholation of methyl- $\alpha$ -propoxyethyl and  $\alpha$ -isopropoxyethylmalonic acids. A. V. Bogatski, G. V. Frankova, Zhur. ob khim. 35 no. 4 619-621 Ap '65.  
Reaction of phosphorus pentachloride with the diphenyl ester of malonic acid. N. D. Bodnarchuk, V. I. Shevchenko, A. V. Kirasov. Zhur. ob khim. 35 no. 4 713-715 Ap '65.

#### MALT

Characteristics of malt and barley starch and the rate of its saccharification. L. I. Vesselo, M. S. Moscheyev, Prikl. biokhim., mikrobiol., 1 no. 1 110-114 Ja-F '65.  
Effect of moisture content and saccharification of light malt on the accumulation of coloring and aromatic substances during its heating. V. N. Shveta, F. M. Mal'tsev, E. I. Velikala. Izv. vys. ucheb. zav., pishch. tekhn. no. 1130-113 '65.

Effect of the use of growth promoting substances on the fermentation activity of malt. G. I. Fertman. Ferment. i spiryt, pol. om. 31 no. 3 15-19 '65.

New developments in the technology and equipment for the production of red eye malt. A. M. Treshchev. Khleb. i korn. prom. 9 no. 3 26-27 Mr '65.

Nonuniformity of the movement of the particles of free flowing products through an inclined rotating drum. V. I. Valuski. Izv. vys. ucheb. zav., pishch. tekhn. no. 2 127-131 '65.

Studying the barley malt shoots, their water extraction and extracts. G. I. Fertman, E. A. Isakova. Izv. vys. ucheb. zav., pishch. tekhn. no. 2 117-120 '65.

Studying the ripening of freshly dried barley malt. P. M. Mal'tsev, N. A. Emel'ianova, E. I. Velikala. Izv. vys. ucheb. zav., pishch. tekhn. no. 2 77-80 '65.

#### MALT—MICROBIOLOGY

Effect of gibberellin on micro-organisms and on fermentative activity of barley in malt'ing. M. S. Shkhar. Prikl. biokhim., mikrobiol., 1 no. 1 102-109 Ja-F '65.

MALT EXTRACTS see subdivision under Kiev

#### MALYY ANYUY VALLEY—GEOLOGY, STRUCTURAL

History of the geological development and tectonics of the Anyuy meganticlinorium. A. I. Sadovskii. Sov. geol. 8 no. 3 59-73 '65.

#### MAMMALS

(see also subdivision under Burguzin Preserve)

Bolrinskii, N. A., B. A. Kuznetsov, and A. P. Kuzjakin. [Guide to the mammals of the U. S. S. R., a manual for students of pedagogical institutes and teachers.] Oprede-litel' mlekopitalushchikh SSSR, posobie dlia studentov pedagogicheskikh institutov i uchitelei. Izd. 2, ispr. i dop. Pod red. A. P. Kuzjakina. Moskva, Prosveshche-nie, 1965. 381 p.

MAMMALS—DISEASES AND PESTS see subdivision under North America

MAMMALS—EMBRYOLOGY see Embryology—Mammals

#### MAMMALS—MIGRATION

Akademiia nauk SSSR. Otdelenie obshchei biologii. [Migrations of birds and mammals.] Migratsii ptits i mlekopitalushchikh. Moskva, Nauka, 1965. 158 p.

#### MAMMARY GLANDS—INNERVATION

Effect of chronic stimulation of the afferent nerves of the mammary gland on the synthesis of milk proteins in goats. A. G. Taranenko. Fiziol. zhur. 51 no. 3 350-354 Mr '65.

#### MAN—INFLUENCE OF ENVIRONMENT

Interaction of nature and society and present-day geog-raphy. A. G. Doskach, I. U. P. Trusov, E. T. Faddeev. Vop. filos. 19 no. 4 104-115 '65.

MAN—INFLUENCE ON NATURE see subdivision under West Siberian Plain

MAN, PREHISTORIC see subdivision under Khabardno-Balkar A. S. S. R.

#### MANAGEMENT

The Leninist principles of management. I. Raznatovskii. Rad. pravo 28 no. 2 10-17 Mr-Apr '65.

Subject and tasks of the science of management in the socialist state. E. Starodubskii. Sov. gos. i pravo 35 no. 5 73-80 My '65.

MANDRELS AND ARBORS see Arbors and mandrels

#### MANGANESE

Levanidov, L. A., and S. T. Davydov. [Manganese as a trace element in its relation to the biochemistry and properties of bananas.] Manganese kak mikroelement v svyazi s biokhimiei i svoystvami linnikov. [Chellabinskii Chellabinskoe knizhnoe izd-vo, 1961. 185 p.]

[MICROFILM]

#### MANGANESE—ANALYSIS

Photometric determination of manganese in high-alloy steels and alloys. V. F. Mal'tsev, L. P. Luk'ianenko. Zhur. anal. khim. 20 no. 3 394-396 '65.

#### MANGANESE ALLOYS—ELECTRIC PROPERTIES

Electroconductivity, thermo- $\epsilon$  m f., and width of the forbidden band in manganese selenide and telluride alloys. G. I. Makovetskii, N. N. Sirota. Dokl. AN BSSR 9 no. 2 85-87 F '65.

#### MANGANESE ALLOYS—THERMOELECTRIC PROPERTIES

Electroconductivity, thermo- $\epsilon$  m f., and width of the forbidden band in manganese selenide and telluride alloys. G. I. Makovetskii, N. N. Sirota. Dokl. AN BSSR 9 no. 2 85-87 F '65.

#### MANGANESE-BISMUTH ALLOYS—MAGNETIC PROPERTIES

Asymmetry of hysteresis loops in small particles of MnBi alloys. E. V. Shol'ts. Fiz. tver. tela 7 no. 5: 1495-1500 My '65.

#### MANGANESE COMPOUNDS

Complex compounds of chromium and manganese with 1-dimethylamino-2-butyne. S. N. Avakian, R. A. Karapetian. Izv. AN Arm. SSR, Khim. nauki 18 no. 1 15-17 '65.

#### MANGANESE IN THE BODY

Manganese content in the blood of children with leukemia. V. A. Boiko. Dokl. AN BSSR 9 no. 2 131-132 F '65.

#### MANGANESE MINES AND MINING

Review of the book by L. I. Zarabishvili "Underground mining of manganese deposits." V. A. Kalandadze, L. V. Goshkhoteliani. Gor. zhur. no. 3 79 Mr '65.

MANGANESE ORES see subdivision under Altai Mountains; Bol'shoy Tokmak region (Ukraine)

MANGANESE ORES—ANALYSIS see subdivision under Nikopol' region (Ukraine)

#### MANGANESE ORGANIC COMPOUNDS

Reactions of chloromethylcyclopentadienylmanganese-tetracarboxyl with some nucleophilic reagents. A. N. Neamenov, K. N. Amisimov, Z. F. Valueva. Dokl. AN SSSR 162 no. 1 112-115 My '65.

MANGANESE OXIDES see subdivision under Kremens region (Ukraine)

#### MANGANESE SILICIDES—MAGNETIC PROPERTIES

Magnetic susceptibility and valent state of the atoms of manganese in its highest silicide. I. Z. Radovskii, P. A. Sidorenko, P. V. Gel'd. Fiz. met. i metalloved. 19 no. 4 514-520 Ap '65.

#### MANGANESE STEEL

Experimental replacement of nickel steel in parts made of nonmagnetic steels. I. U. D. Novomelskii, V. K. Dammer, I. U. V. Chesnokov. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 2, 17-18 F '65.

Novomelskii, I. U. D., and V. I. Livshits. [Properties and use of high-manganese austenitic steel.] Svoistva i primeneniye vysokomangantovostoi austenitnoi stali. Tomsk, Izd-vo Tomskogo univ., 1964. 57 p.

[MICROFILM]

#### MANGANESE STEEL—METALLOGRAPHY

Crystallostructural changes with martensitic transformations  $\gamma \rightarrow \epsilon \rightarrow \alpha$ . L. I. Lysak, B. I. Nikolai. Sbor. nauch. trud. Inst. metallofiz. AN URSS no. 20 154-164 '64.  
Etch sprals on Fe-Mn-C steel. L. I. Lysak, B. I. Nikolai. Sbor. nauch. trud. Inst. metallofiz. AN URSS no. 19 232-234 '64.

#### MANGANESE STEEL—METALLURGY

Effect of the smelting technology on the cost of G13L steel. P. F. Parasiuk. Lit. protzv. no. 6 8-9 Je '64.

#### MANGYSHLAK PENINSULA—FOLDS (GEOLOGY)

Features of the formation of the Zhelybay anticlinal uplift. M. I. Tarkhanov. Izv. vys. ucheb. zav., geol. i razv. 7 no. 11 32-35 N '64.

#### MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY

Features of the formation of the Zhelybay anticlinal uplift. M. I. Tarkhanov. Izv. vys. ucheb. zav., geol. i razv. 7 no. 11 32-35 N '64.

#### MANIC-DEPRESSIVE PSYCHOSES

Some characteristics of the course and clinical aspects of manic-depressive psychosis in old age. M. L. Rokhlina. Zhur. nev. i psikh. 65 no. 4 567-574 '65.

State of mobility of the basic nervous processes in patients with manic-depressive psychoses. A. E. Khilchenko, A. M. Paton-Zlynska. Fiziol. zhur. [Ukr.] 9 no. 1 102-109 Ja-F '63.

Treatment of depressive states with parnat (transamine). V. V. Gromova. Vop. klin. i patol. i lech. shiz. no. 1 26-29 '64.

#### MANNICH REACTION

Synthesis of  $\alpha$ -ethoxyacrolein. M. F. Shostakovskii, N. A. Kelko. Dokl. AN SSSR 162 no. 2 302-303 My '65.

#### MANNITOL

New way of synthesizing furanoides. Synthesis of 3-O-( $\beta$ -D-galactofuranosyl)-D-mannitol. N. K. Korshakov, A. Ia. Khorlin, A. F. Bochkov. Dokl. AN SSSR 161 no. 4 1342-1345 Ap '65.

#### MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur. 'Kommun. i byt. i toig. obsl. nos. 5-6, My-Je '65.

[Light industry] Ref. zhur. 'Leg. prom. nos. 5-6 My-Je '65.

MANUFACTURES—BIBLIOGRAPHY see Bibliography—Manufactures

#### MANUSCRIPTS

Akademiia nauk SSSR. Biblioteka. [Collected sets on the history of the 15th and 16th centuries; a description of the Manuscript Department of the Library of the Academy of Sciences of the U. S. S. R.] Istoricheskie sborniki XV-XVII vv.; opisaniye rukopisnogo otdela Biblioteki Akademii nauk SSSR. Sost. A. I. Kopanov, M. V. Kukushkina, V. P. Pokrovskaya. Moskva, Nauka, Vol. 3, No. 2, 1965. 380 p.

Akademiia nauk SSSR. Institut russkoi literatury. [Old Russian manuscripts in the Pushkin House; a review of the collections.] Drevnorusskie rukopisi Pushkinskogo Doma, obzor fondov. Sost. V. I. Malyshev. Moskva, Nauka, 1965. 229 p.

#### MAP PROJECTION

Comparative evaluation of cartographic projections. I. U. S. Fiolov. Izv. vys. ucheb. zav., geod. i aerof. no. 5 96-103 '64.

Converting coordinates from one projection to another. A. A. Pavlov. Izv. vys. ucheb. zav., geod. i aerof. no. 5 90-95 '64.

MAPPING, CONFORMAL see Conformal mapping

#### MAPS—COSTS

Cost of cartographic production and some problems in planning and accounting. A. V. Naumov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5 117-118 '64.

MARAL—PARASITES see Parasites—Maral

MARI A. S. S. R.—COLLECTIVE FARMS—MANAGEMENT

Production sections on the collective farms of the Mari A. S. S. R. A. Tiat'kov. Ekon. sol'khoz. 40 no. 4 71 '64 Ap '65.

MARINSK CANAL SYSTEM see Volga-Baltic Sea Waterway

#### MARINE ACCIDENTS

SOS in the wide expanses of seas and oceans. D. Ekl'man. Mor. flot 24 no. 9 43 S '64.

#### MARINE BIOLOGY

(see also subdivision under Mediterranean Sea)

Marine hydrobiology. V. A. Vodanitskii. Gidrobiol. zhur. 1 no. 1 12-19 '65.

MARINE BIOLOGY—RESEARCH see subdivision under Black Sea

MARINE BOILERS see Boilers, Marine

#### MARINE DIESEL ENGINES

Operating the power plant of the motorship "Vikhr." A. Alekseenko. Mor. flot 21 no. 9 24-26 S '64.

Testing graphite rings in the main engine of the motorship "Marshal Govorov." P. I. Iuditskii, S. Savvin, P. Egorov. Mor. flot 26 no. 5 34-35 My '65.

MARINE DIESEL ENGINES—MAINTENANCE AND REPAIR

Norms for fitting clearances and permissible wear of the parts of internal combustion engines. V. Sholuchenko. Mor. flot 25 no. 5 35-37 My '65.  
Textbook for diesel engine operators and repairmen. P. Kulikov, N. Arbutov, K. Borisov. Mor. flot 24 no. 9 46 S '64.

#### MARINE ENGINEERING

Kokichev, V. N. [Noncircular joints in marine engineering.] Otshechnaia teoriia sudovykh elektricheskikh mashin. Leningrad, Sudostroenie, 1965. 300 p.

Vasil'ev, I. U. N. [Marine power plants; standard diagrams and composition.] Sudovye silovye ustanovki; tipovye skhemy i sostav. Moskva, Transport, 1965. 116 p.

#### MARINE ENGINES

Alib'ev, M. F. [General theory of electric machinery on ships.] Otshechnaia teoriia sudovykh elektricheskikh mashin. Leningrad, Sudostroenie, 1965. 300 p.

Vasil'ev, I. U. N. [Marine power plants; standard diagrams and composition.] Sudovye silovye ustanovki; tipovye skhemy i sostav. Moskva, Transport, 1965. 116 p.

## INE ENGINES—TRANSMISSION DEVICES

Pis, L. U. [Testing marine piston hydraulic transmission gear (with controllable pumps)] Ispytaniya sudoviy porshnevnykh gidravlicheskiykh peredach (s reguliruemymi nasosami). Leningrad, Sudostroenie, 1965, 51 p.

## INE FAUNA

see also subdivision under Alaska, Gulf of, Azov, ea of)

identifikatsiya sudoviy porshnevnykh gidravlicheskiykh peredach (s reguliruemymi nasosami). Leningrad, Sudostroenie, 1965, 51 p.

neral composition and the structure of fossil and recent-day shells and skeletons of marine organisms. N. Kudrin and others. Min. shor. 18 no. 2:231-35 '64.

## INE GAS TURBINES

arine gas turbine plants with free-piston gas producers. V. Kozlov. Rezh. transp. 24 no. 3:35-37 '65.

## INE NUCLEAR REACTOR PLANTS

sil'ev, I. N. [Marine power plants; standard diagrams and composition] Sudovye silovye ustanovki, poye skhemy i sostav. Moskva, Transport, 1965, 15 p.

## INE PUMPS

Pis, L. U. [Testing marine piston hydraulic transmission gear (with controllable pumps)] Ispytaniya sudoviy porshnevnykh gidravlicheskiykh peredach (s reguliruemymi nasosami). Leningrad, Sudostroenie, 1965, 51 p.

## INE REFRIGERATION

requirements for the design, construction and testing of ship refrigerating equipment. A. P. Dohovtorkin. Khol. tekhn. 42 no. 2:1-3 Mr-Apr '65. Scientific and Technical Conference on the Development of the Fleet of the Fishing Industry of the Member Countries of the Mutual Economic Assistance Council. Khol. tekhn. 42 no. 2:68-70 Mr-Apr '65.

## INE TURBINES

sil'ev, I. N. [Marine power plants; standard diagrams and composition] Sudovye silovye ustanovki, poye skhemy i sostav. Moskva, Transport, 1965, 15 p.

## INSKAYA (STAVROPOL TERRITORY)—AGRICULTURE—STUDY AND TEACHING

arinskaya student brigade. V. P. Khodorych, V. A. Tolgov. Shkola i prom. 9 no. 5:14-16 My '65.

## ITIME TERRITORY—AGAR

agar plant in the Maritime Territory. V. D. ovni. Iykh. khoz. 41 no. 3:72-71 '65.

## ITIME TERRITORY—FELDSPAR

feldspar, ground feldspar raw material for the industry of the eastern parts of the country. V. V. Kozlov. Tekhn. 22 no. 4:12-11 Ap '65.

## ITIME TERRITORY—LUMBERING

ishenko, P. A., D. P. Galitshik, and V. A. Kravchenko. Technology of logging operations in the Maritime Territory ensuring the preservation of young growth. Primorskaya tekhnologiya lesosoznykh rabot, obespechivayushchaya sokhraneniye podrosta i molodnitsa. Vladivostok, Dal'nnevostochnoe knizhnoe izd-vo, 1964, 15 p. [MICROFILM]

## ITIME TERRITORY—RICKETTSIAL DISEASES

ity of the role of marine rodents as infection source in tick-borne rickettsiosis of the northern part of Asia. I. P. Sonov. Zhur. mikrobiol., epid i immun. 42 no. 4:12 Ap '65.

## ITIME TERRITORY—TULAREMIA

fection of tularemia in Maritime Territory. T. N. Ivenchenko and others. Zhur. mikrobiol., epid i immun. 42 no. 4:12-13 Ap '65.

## ITIME TERRITORY—VALLEYS

nditions governing the formation of river valleys in Maritime Territory. N. A. Gramontskaya. Geog. shor. i izv. old. Geog. ob-va SSSR. 8:122-128 '64.

## IKETING RESEARCH

aining the structure of solvent demand. G. Korovkin. av. potrob. koop. 9 no. 4:36-38 Ap '65.

## IKING OF ANIMALS see Animals, Marking of

## IKOV, KONSTANTIN KONSTANTINOVICH

undor of historical geography. V. N. Sukachov, O. I. Leont'ev, S. S. Voskresenskiy. Priroda 54 no. 5:10-121 My '65.

## IKOV PROCESSES

godic theorems for Markov processes with discrete time. S. V. Nagaev. Sib. mat. zhur. 6 no. 3:413-433 Mr-Apr '65.

## MARL see subdivision under Karakum Steppe

## MARMOTS, FOSSIL

Ancient distribution of the steppe marmot. G. E. Grosset, L. G. Dinesman, V. I. Tsalkin. Biol. MOIP, Old biol. 70 no. 2:34-16 Mr-Apr '65.

## MARROW

Cultivation of bone marrow in the form of suspension for the study of the erythropoietic activity of the plasma, a description of the method. S. I. Shekhter. Pat. fiziol. i eksp. terap. 9 no. 2:81-83 Mr-Apr '65.

Effect of mechanical stimulation of the duodenal mucosa on the composition of the peripheral blood and bone marrow. N. B. Petriashvili. Sob. AN Gruz. SSR. 29 no. 1:107-114 Ji '62.

Frequency of spontaneous and radiation-induced chromosome aberrations in the marrow of mice of various ages. I. U. S. Bocharov, V. F. Savitskiy. Izv. AN Kazakh. SSR. Ser. biol. nauk. 3 no. 2:86-90 Mr-Apr '65.

Role of the cell helium in the regulation of the content of formed elements in the blood. E. S. Andrianov. Fiziol. zhur. 51 no. 3:318-321 Mr '65.

State of the bone marrow during the development of an osteogenic sarcoma induced by strontium 90. P. A. Vlasov. Arkh. pat. 47 no. 2:11-18 '65.

Technique of intramedullary osteosynthesis. N. D. B. Kh. Oitop, travm i protez. 26 no. 2:64 Mr '65.

## MARROW—PHYSIOLOGICAL EFFECT

Change in hemopoiesis in healthy animals under the effect of bone marrow extracts. N. M. Ferulova. Pat. fiziol. i eksp. terap. 9 no. 2:50-54 Mr-Apr '65.

## MARS (PLANET)—OBSERVATIONS

Degree of smoothness of the Martian deserts. I. K. Koval', A. V. Morozhenko. Izv. Kom. po fiz. plan. no. 1:36-49 Ag '63.

## MARS (PLANET)—OPPOSITION, 1963

Photometric spectrophotometry of Mars near opposition in 1963. N. V. Pribova. Izv. Kom. po fiz. plan. no. 4:31-37 Ag '63.

## MARSCHALL VON BIEBERSTEIN, FRIEDRICH, 1768-1826

Herbarium of Marschall von Bieberstein. L. A. Smol'daninov. Bot. zhur. 50 no. 1:564-565 Ap '65.

## MARSHAK, SAMUIL IAKOVLEVICH, 1887-

Children about gay verse of S. Marshak. R. Natapova. Doshk. vosp. 38 no. 1:120-121 Ja '65. First there was folklore (to be continued). M. Petrovskiy. Doshk. vosp. 38 no. 1:108-114 Ja '65.

Life through beauty. N. Bolarskaya. Doshk. vosp. 38 no. 1:117-119 Ja '65.

Meetings with S. I. Marshak. I. Kosakovsky. Doshk. vosp. 38 no. 1:121-122 Ja '65.

S. Marshak's translations are true Russian poems. I. Tokmakova. Doshk. vosp. 38 no. 1:114-118 Ja '65.

## MARTENSITE

Transformations due to heating of iron-nickel martensite. V. I. Rikin, B. M. Megulnov, L. A. Stravtaman. Dokl. AN SSSR. 161 no. 5:1073-1076 Ap '65.

## MARX, KARL, 1818-1883

Marx's and Engel's struggle in the First International against the petit-bourgeois anarchistic revolutionism and its methodological concepts. A. D. Kosichev. Nauch. dokl. vys. shkoly, filos. nauki. 7 no. 5:2-9 '63. Marx's mathematical schemes as the basis for calculating the interbranch balance. A. A. Konus. Ekon. i mat. metod. 1 no. 1:36-49 Ja-F '65.

## MARY DISTRICT—COTTON—IRRIGATION

Practices in cotton irrigation along prolonged furrows using flexible pipelines and siphons, as exemplified by the "Moskva" Collective Farm in Mary District, Turkmenistan. O. Agaev. Trudy VNIIGM. 14:5-15 '64.

## MASERS

Circuit of a maser with coupled cavity resonators. N. V. Karlov, R. M. Martirosian. Radiotekh. i elektron. 10 no. 4:673-675 Ap '65.

Masers and lasers with optical lighting. G. M. Zverev, A. M. Prokhorov, A. K. Shevchenko. Radiotekh. i elektron. 10 no. 5:788-803 My '65.

Optimum pumping in a maser. I. S. Klimenko, V. B. Fedorov. Radiotekh. i elektron. 10 no. 4:788-770 Ap '65.

Quantum electronics. A. M. Prokhorov. Priroda 54 no. 5:37-42 My '65.

## MASONRY

Bazhenov, G. L. [Masonry and reinforced masonry elements for industrial, public, and residential buildings; a manual for students in correspondence and night schools majoring in "Industrial, Public, and Residential Construction"] Kamennye i armokamennye konstruktivnyye promyshlennyykh i grazhdanskikh zdaniy; uchebnoe posobie dlya studentov zaочnogo i vechernego fakul'tetov spetsial'nosti "Promyshlennoe i grazhdanskoe stroitel'stvo." Gor'kiy, Gor'kovskiy inzhenerno-stroitel'nyy, 1961. 301 p. [MICROFILM]

## MASS (PHYSICS)

Deficiencies in presenting the concept of mass in physics textbooks and programs for secondary schools. A. I. Pavlov. Uch. zap. CHGPI. 3 no. 3:23-36 '62. Mass relationships in an octet model in the case of mixing. M. B. Menskii. Dokl. AN SSSR. 161 no. 5:1089-1072 Ap '65. Method of studying the concept of mass in a secondary school physics course. A. I. Pavlov. Uch. zap. CHGPI. 3 no. 3:37-69 '62.

## MASS SPECTROMETRY

Integral method for the determination of radiogenic argon in minerals using a mass spectrometer. G. Kh. Chelzhemov. Min. shor. 18 no. 2:157-164 '64. Investigating with the help of a mass spectrometer the products of the decarburization reaction during the smelting of iron in vacuum. V. T. Burisev and others. Izv. AN SSSR. Met. no. 1:55-58 Ja-F '65.

Mass spectra of water ionized by a strong electric field. I. V. Gol'denfel'd, V. A. Nazarenko, V. A. Petrovskiy. Dokl. AN SSSR. 161 no. 4:861-863 Ap '65.

Mass spectrometry study of the photolysis of low-volatility organic substances. M. I. Akoplan, I. I. Vilosov. Dokl. AN SSSR. 161 no. 5:1110-1113 Ap '65.

Mass spectrometric analysis of heptanoic. T. I. Popova, A. A. Poliakova, M. I. Khotimskaya. Neftekhimiya 5 no. 1:149-152 Ja-F '65.

Mass spectrometric detection of reactions between highly excited hydrogen atoms and ethylene molecules. S. I. Kupriyanov. Dokl. AN SSSR. 162 no. 4:865-868 Je '65.

Mass spectrometric method for analyzing petroleum paraffins using unilized characteristics. A. A. Poliakova, R. A. Khmel'nitskiy, F. A. Medvedev. Neftekhimiya 5 no. 1:153-159 Ja-F '65.

Mass spectrometric study of carbohydrates. Report No. 3. Mechanism of decomposition of 2,3,4,6-tetra-methyl- $\alpha$ -methyl-D-glucoside. N. K. Kochetkov and others. Izv. AN SSSR. Ser. khim. no. 5:778-785 '65.

N, N'-methylene- and benzylidenebisethylenimines. R. G. Kostanovskiy, O. A. Pan'shin. Izv. AN SSSR. Ser. khim. no. 3:567-570 '65.

Use of mass spectrometry in biology and biochemistry. V. G. Manusadzhian. Izv. AN Arm. SSR. Biol. nauki. 18 no. 1:69-78 Ja '65.

## MASS TRANSFER

Effect of low-frequency mechanical vibrations on the rate of dissolving. P. P. Loboda, V. N. Stabnikov. Izv. vys. ucheb. zav. i pishch. tekhn. no. 2:165-170 '65.

Regularities of the process of chemisorption of gases by a moving drop of large diameter. I. G. Filit. Ukr. khim. zhur. 30 no. 6:557-565 '64.

Study of the transfer of boron phosphide in the transport reaction process. I. A. Kh. Grinberg, Z. S. Medvedeva, E. G. Zhukov. Izv. AN SSSR. Neorg. mat. 1 no. 1:88-90 Ja '65.

Studying the hydrodynamics and mass transfer in rotary apparatus. I. M. Anoshin, G. V. Tol'skiy. Izv. vys. ucheb. zav. i pishch. tekhn. no. 1:144-150 '65.

## MASS TRANSFER—BOUNDARY VALUE PROBLEMS

Matrix functions and their application to heat and mass transfer problems. P. V. Tsoi. Inzh. fiz. zhur. 8 no. 3:380-385 Mr '65.

A problem involving heat and mass transfer. L. Zh. Zhuravskiy. Inzh. fiz. zhur. 8 no. 3:386-392 Mr '65.

## MATERIA MEDICA

Origin of "mumie." N. P. Petrov, A. Sh. Shakhov. Uzb. geol. zhur. 8 no. 5:74-76 '64.

## MATERIALS HANDLING

Iatsevich, V. A. [Experience in the mechanization of the handling of ready production in Moscow Milling Com-bines No. 3 and No. 4] Opyt mekhanizatsii rabot a gotovoi produktov na moskovskikh mekhanizatsionnykh no. 3 i 4. Pod red. N. A. Gonorova. Moskva, TSentr. pravleniya nauchno-tekhn. ob-va ukomol'noi i kruptanot promyshl. i elevatornogo khoz., 1964. 33 p. [MICROFILM]

The PNB-3M loading machine with hydraulic drive. A. F. Arkhangelskiy. Gor. zhur. no. 5:41-42 My '65.

Mechanical removal of slag from the steam boiler room. V. F. Trufanov, I. U. F. Savenko. Ugol' Ukr. 9 no. 4:38 Ap '65.

Mechanization of the loading and unloading of cement bags. A. S. Kornopolev. Shoi. nauch. rab. AKKH. no. 7:44-49 '61.

Mechanized bin filling with flour. A. P. Shurygin. Khleb. i kond. prom. 9 no. 5:30-31 My '65.

Return container receiving and counting system. K. I. Andreev. Ferment. i spir. prom. 31 no. 4:20-22 '65.

## MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. transp. no. 5 My '65.

## MATHEMATICAL ANALYSIS

Embedding theorems for classes of functions with differential properties in the norms of special spaces. A. S. Dzhanfirov. Dokl. AN Azerb. SSR. 21 no. 2:10-14 '65.



**MATHEMATICAL ECONOMICS** see Economics, Mathematical

#### MATHEMATICAL LINGUISTICS

Base decomposition of a regular expression and its applications. *I. A. Spivak*. Dokl. AN SSSR 162 no 3 520-522 My '65

Some algorithmic problems for context-free grammars. *A. V. Glazun*. Alg. i log. 4 no 1-3-13 '65

#### MATHEMATICAL MODELS

Dynamic model of cattle fattening. *I. Morozov*. Ekon. sel'khoz. 40 no 4 48-57 Ap '65

#### MATHEMATICAL PHYSICS

Akademika nauk URSR, Kiev. Institut matematiky. [Problems of mathematical physics and the theory of functions] Voprosy matematicheskoi fiziki i teorii funktsii. Kiev, Izd-vo Akad. nauk USSR, 1964. 2 v (NJF)

Asymptotic calculations of certain rotary motions in the resonance case. *V. M. Volosov, B. I. Morgunov*. Dokl. AN SSSR 161 no 6 1303-1305 Ap '65

Theory of ordered statistical systems. *V. N. Zhigulev*. Dokl. AN SSSR 161 no 5 1051-1054 Ap '65

Wave diffusion. *A. G. Ramim*. Izv. vys. ucheb. zav. mat. 2 136-138 '65

#### MATHEMATICAL STATISTICS

Bolotin, V. V. [Statistical methods in structural mechanics] Statisticheskie metody v stroitel'noi mekhanike. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1965. 278 p.

Molostov, A. S. [Elements of variational statistics] Elementy variatsionnoi statistiki. Kiev, Urozhai, 1965. 160 p.

Smirnov, N. V., and I. V. Dunin-Barkovskii. [Course in probability theory and mathematical statistics for technical applications] Kurs teorii veroiatnostei i matematicheskoi statistiki dlia tekhnicheskikh prilozhenii. Izd. 2., ispr. i dop. Moskva, Nauka, 1965. 511 p.

Statistical analysis of a protein text. *V. I. Danilov and others*. Dop. AN URSR no 5 627-630 '65

Statistical analysis of the main part of the earth's magnetic field. Part 1. General theory. *H. Kautzleben*. Geomag. i aer. 5 no 3 502-510 My-Je '65

Statistical analysis of the main part of the earth's magnetic field. Part 2. Analysis of world magnetic charts for the epoch 1955. *H. Kautzleben*. Geomag. i aer. 5 no 3 511-521 My-Je '65

Using mathematical statistics in petroleum geology. *M. S. Arabadzhi, I. U. M. Vasil'ev, V. S. Mil'pichuk*. Izv. vys. ucheb. zav.; nef. i gaz. 8 no 4-3-8 '65

#### MATHEMATICS

(see also subdivision under Moldavia)  
Defense of dissertations on mathematics. *N. I. Morkovina*. Usp. mat. nauk. 20 no 2 259-261 Mr-Apr '65

#### MATHEMATICS—BIBLIOGRAPHY

see Bibliography—Mathematics

#### MATHEMATICS—CONGRESSES

Information on the Samarkand Symposium. *I. Kukles*. Dif. urav. 1 no 4 560-563 Ap '65

#### MATHEMATICS—DICTIONARIES

Interesting mathematical dictionary. *I. F. Teslenko*. Rad. shk. 44 no 5 104 My '65

#### MATHEMATICS—STUDY AND TEACHING

Formation of the approximate number concept. *S. M. Filippov*. Nach. shkola. 33 no 2 32-37 F '65

Interschool mathematical clubs. *I. Zenkevich*. Nauch. obr. no 5 125-126 My '65

Knowledge, talent, and creativeness. *N. V. Bogomolova*. Vech. sred. shkola. 8 no 2 23-27 Mr-Apr '65

Malygin, K. A. [Historical elements in the teaching of mathematics in secondary schools, a teachers' manual] Elementy istorizma i [i.e., v] prepodavanii matematiki v srednei shkole, posobie dlia uchitelei. Izd. 2. Pod red. L. A. Sidorova. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 222 p. (KU)

Mathematical science and formal education. *A. I. Markushevich*. Sov. pedagog. 29 no 5 40-47 My '65

Mathematical training can and should be thorough. *E. A. Fivelskii*. Vech. sred. shkola. 8 no 2 75-79 Mr-Apr '65

Mathematical training of students. *V. M. Kukhar, A. H. Konforovych*. Rad. shk. 43 no 4 84-90 Ap '65

Shakhno, K. U. [How to prepare for the entrance examinations in mathematics at a school of higher education] Kak gotovitsia k priemnymykh ekzamenam v vuz po matematike. Izd. 3., ispr. i dop. Moskva, Vysshaya shkola, 1965. 271 p.

#### MATHEMATICS—TABLES, ETC.

Krapivin, V. F. [Wald's distribution tables] Tablitsy raspredeleniya Val'da. Moskva, Nauka, 1965. 183 p.

#### MATRICES

Matrix elements of irreducible unitary representations of a  $K_n$  group of orthogonal matrices in  $n$ -dimensional Euclidean space. *E. N. Iambina*. Dokl. AN SSSR 161 no 2 77-81 F '65

Matrix functions and their application to heat and mass transfer problems. *P. V. Tsoi*. Inzh.-fiz. zhur. 8 no 3 380-385 Mr '65

Parameter variation as applied to the derivation of high-precision iterative formulae for determining the elements of reciprocal matrices. *D. F. Davidenko*. Dokl. AN SSSR 162 no 4 743-746 Je '65

Positively defined functions on a group of matrices with elements from a discrete field. *A. A. Kiriulov*. Dokl. AN SSSR 162 no 3 503-505 My '65

Reduction to a cellular-diagonal form of the matrices of operators commutable with a group of symmetry operators. *N. K. Morozova, V. P. Morozov*. Dokl. AN SSSR 161 no 4 817-820 Ap '65

Relationship between the convergence rate of the degree of escapement and the conditions of matrix coefficients in normal equations. *A. P. Tishchenko*. Izv. vys. ucheb. zav., geod. i aerof. no 5 44-16 '64

Representation of positively defined matrices by eigenfunctions of difference operators. *Chan Chang Uk*. Mat. zhur. 17 no 2 124-129 '65

#### MATTER

General course of the knowing of matter. *B. M. Kedrov*. Vop. filos. 19 no 4 92-103 '65

#### MAUDOODI, SYED ABUL ALA, Maulana, 1903-

Some aspects of the ideology and policy of Jama'at-i Islami in Pakistan. *M. T. Stepaniants*. Khat. soob. Inst. nar. Az. no 71 56-71 '64

#### MAY DAY (LABOR HOLIDAY)

Holiday of the unity and brotherhood of workers, material for reports and discussions on May 1. *Komm. Vostok*. SII. 46 no 7 40-45 Ap '65

#### MEADOW GRASS

Characteristics of the shoot formation of *Poa pratensis* L. depending on soil moisture. *G. P. Serna*. Bot. zhur. 50 no 3 425-429 Mr '65

New species of meadow grass. *V. A. Timpko*. Biol. Glav. bot. sada. no 56 38-42 '64

#### MEADOW RUE

Structure of thalmine and thaloidine. *M. V. Telezhetskaya, S. I. Uzunov*. Dokl. AN SSSR 162 no 2 354-355 My '65

#### MEADOWS

see Pastures and meadows

#### MEASLES VIRUSES

Obtaining a transplantable line of cell cultures from kidney tissue of human embryo and study of its sensitivity to standard strains of enterovirus. *I. I. Volinov*. Vop. virus. 10 no 1 100-102 Ja-F '65

Results of hyperimmunization of animals with measles virus. *L. I. Kolesnikova and others*. Vop. virus. 10 no 1 87-90 Ja-F '65

#### MEASURE THEORY

Integral over a semiadditive measure and its application to the theory of entire functions. Part 4. *A. A. Gol'dberg*. Mat. sbor. 66 no 3 411-457 Mr '65

#### MEASURING INSTRUMENTS

Designing the mechanism of spring-type instruments. *I. A. M. Tseitlin*. Izv. tekhn. no 3 17-19 Mr '65

Devices for measuring the roughness of surfaces. *N. I. Liberman*. Poligrafia. no 3 35-39 Mr '65

Markov, N. N. [Gear-tooth measuring instruments; foreign experience] Zubolmezitel'nye pribory; inostrannyi opyt. Moskva, Mashinostroyeniye, 1965. 165 p.

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U. S. S. R. *Izv. tekhn. no 3 62-84 Mr '65*

Measuring system with an automatic readjustment of active-control devices. *Z. Sh. Geiler*. Izv. tekhn. no 3 13-15 Mr '65

Methods of measuring a concentration of ozone. *I. Kh. Bikkenin*. Nauch. trudy AKKH. no 22 '63. Vol. no 3 132-147 '63

Precision of automatic devices for checking dimensions. *M. M. Kempinski*. Izv. tekhn. no 3 1-6 Mr '65

Using a mercury porosimeter to study the differential porosity of cement and sand-lime samples. *D. S. Sominskii, L. I. Edel'man*. Sbor. trud. VNINSM. no 3 120-131 '60

#### MEASURING WORM

Measuring worms in oak-dominant woods of Saratov Province. *P. A. Zubov*. Sbor. rab. po les. khoz. no 46 69-79 '63

#### MEAT—ANALYSIS

Determining tyrophen content of muscle tissues. *N. Krylova, G. Solntseva*. Mias. ind. SSSR 36 no 2: 56-57 '65

#### MEAT—COOLING

Intensification of the process of meat cooling. *A. Sheffer, A. Saatchan*. Mias. ind. SSSR 36 no 2 51-55 '65

#### MEAT, FROZEN

Accumulation of free amino acids in the autolyzing muscle tissue during the refrigerating treatment of beef. *I. P. Pavlovskii*. Izv. vys. ucheb. zav., pishch. tekhn. no 1: 47-50 '65

#### MEAT, SALT—ANALYSIS

Porphyriming of the green pigmentation of meat during salting. *A. K. Jakandarian*. Izv. vys. ucheb. zav., pishch. tekhn. no 1 104-107 '65

#### MEAT INDUSTRY

(see also subdivision under Lvov Province)

All-Union conference on the development of the meat industry during the new five-year plan. *Mias. ind. SSSR 36 no 2 62-63 '65*

Determining the optimum diameter of stuffing conveying pipes. *A. V. Gorbunov, M. B. Danchenkov*. Izv. vys. ucheb. zav., pishch. tekhn. no 1 12-15 '65

Efficiency of the combined method of meat boning. *T. Brodskii*. Mias. ind. SSSR 36 no 2 40-17 '65

Experience in the operation of the "Lama" refrigerating plant. *Z. Avarkhi, A. Latutova, M. Morozova*. Mias. ind. SSSR 36 no 2 35-37 '65

Losses occurring during the wet dressing of carcasses. *M. Kasperavicius*. Mias. ind. SSSR 36 no 2 16-17 '65

Rotary unit for block freezing of meat and by-products. *I. Miropolskii*. Mias. ind. SSSR 36 no 2 29-30 '65

Utilize to the maximum extent the animal raw material. *A. Konnikov*. Mias. ind. SSSR 36 no 2 4-0 '65

#### MEAT INDUSTRY—ACCOUNTING

Operational accounting in the meat industry. *N. Trifonova*. Bukh. uch. 22 no 4 50-51 Ap '65

#### MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Gorbunov, V. M., and I. A. Lagosha. [Handbook on the equipment of meat industry enterprises] Spravochnik po oborudovaniyu predpriatii miasnoi promyshlennosti. Moskva, Pishchevaia promyshlennost'. Vol. 2. 1965. 540 p.

Portable worm loader. *O. Shneider*. Mias. ind. SSSR 36 no 2 12 '65

Use of cash registers in weight accounting for beef carcasses. *A. Stuknov*. Mias. ind. SSSR 36 no 2 31-31 '65

#### MEAT INDUSTRY—FINANCE

Utilization of capital assets in the meat industry. *S. I. Krasnov, I. G. Khmel'nitskaya*. Izv. vys. ucheb. zav., pishch. tekhn. no 2 0-11 '65

#### MEAT INDUSTRY—HYGIENIC ASPECTS

Labor protection is the responsibility of the management and also of the public inspectors of enterprises. *S. Ye. Iarov*. Mias. ind. SSSR 36 no 2 26-28 '65

#### MEAT INDUSTRY—MANAGEMENT

Economy and thrift are a means to increase the profitability of production. *V. Andreev*. Mias. ind. SSSR 36 no 2 43-44 '65

#### MEAT INDUSTRY—PRICES

Prices are a powerful tool in economy upswing. *N. Speranskii*. Mias. ind. SSSR 36 no 2 44-46 '65

#### MEAT INDUSTRY—RESEARCH

Tenth European Congress of the Scientific Research Institutes of the Meat Industry; annotated review of reports. *Mias. ind. SSSR 36 no 2 46-51 '65*

#### MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Devices designed by turner Semenov. *V. Zakharov*. Izob. i rats. no 4 24-25 '65

#### MECHANICAL DRAWING—STUDY AND TEACHING

(see also subdivision under Moscow)  
Instruction in the reading of work designs. *V. D. Zhizhila*. Shkola i proizv. 9 no 4 48-54 Ap '65

Notes of a mechanical drawing teacher. *I. A. Vorotnikov*. Shkola i proizv. 9 no 6 42-47 My '65

Role of mechanical drawing. *N. N. Anisimov, I. V. Kucher*. Shkola i proizv. 9 no 4 40-48 Ap '65

Studying the additional projections in the 8th grade. *A. M. Orlov*. Shkola i proizv. 9 no 4 40-40 Ap '65

#### MECHANICAL ENGINEERING

Basic problems in the modern theory of machinery. *I. I. Artobolevskii*. Mashinovedeniye. no 1 16-13 '65

Zaretskii, L. M. [Technical mechanics; a textbook] Tekhnicheskaya mekhanika, uchebnoe posobie. Moskva, Prosvetcheniye, 1965. 260 p.

## MECHANICAL ENGINEERING—CONGRESSES

Scientific technical meetings and conferences I Belov  
Mashinostroitel' no 1 39-10 Ap '65

## MECHANICAL ENGINEERING—STUDY AND TEACHING

Machinery industry will get well-educated mechanical engineers A. S. Dem'yanuk, P. P. Pletnev, Vest vya, shkoly 23 no 118-21 Ap '65

MECHANICAL FANS see Fans, Mechanical

## MECHANICAL MOVEMENTS

Graphical method for studying the stability of the movement in mixed friction taking two or more degrees of freedom into account V. I. Aleksandrov Trudy LTITSBP no 11 79-84 '61  
Measuring the angular velocity of rotary motion by an impulse induction pickup and the estimation of measurement errors V. M. Vigdorchik, V. A. Davydov, IU, M. Polischchuk, Trudy Oren.selskhoz. inst. 14-209-217 '63.

Synthesis of functions of the displacement of a mechanism follower in the form of polynomials E. D. Pelsakh, Izv. vya. ucheb. zav., mashinost. no. 1-21-33 '65.  
Transducer with a differential mechanism for simultaneous measuring of linear velocities and the accelerations of large shifts V. M. Vigdorchik, V. A. Davydov, IU, M. Polischchuk Trudy Oren.selskhoz. inst. 14-188-198 '63.

Universal graphicoanalytical method for determining the law of the motion of a mechanism with one degree of freedom G. N. Petrov, V. A. Suetin Izv. vya. ucheb. zav., mashinost. no 15-11 '65

## MECHANICAL WEAR

Characteristics of the wear of self-sharpening plowshares V. I. Borisov, I. S. Panasevich, A. N. Kulnev, Trakt. i selskhoz. mash. no 3-16-17 Mr '65

Investigating the wear resistance of complex-alloys high strength steels I. V. Paisov, V. G. Kuchmer Izv. vya. ucheb. zav., Chern. met. 8 no 5:148-151 '65

Sagarda, A. A. [Friction and wear in machines] Trenie i iznos v mashinakh, Nikolaev [M.-vo vysshego i srednego spetsial'nogo obrazovaniia USSR] 1960, 48 p. [MICROFILM]

Speed of cutting and the wear of the elements of cutting parts in frozen ground, N. N. Goriushkin Trudy STI 37 15-23 '64

Wear of steel as a function of the adhesion of abrasive mineral particles to frozen ground N. N. Goriushkin Trudy STI 37 3-14 '64

## MECHANICS

Synthesis of a linkage having the system of a pulsed speed variator, M. K. Uskov, Mashinovedenie no. 11 14-20 '65.

Work of the Seminar of Mechanics at the Institute of Mechanics of the Academy of Sciences of the Ukrainian S. S. R. in the first months of 1964 O. A. Goroshko, A. F. Utko, Fizik. mekh. 1 no. 1:130-113 '65

## MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur.: Mekh. nos. 5-6 My-Je '65.

## MECHANICS, CELESTIAL

Some properties of an expansion of the perturbation function of an axisymmetrical planet, K. V. Kholoshevnikov, Uch. zap. LGU no 326-118-126 '64.

Structure of a spherical stellar system with a quasi-stationary nucleus, I. V. Petrovskaya, Astron. zhur. 42 no. 3:572-580 My-Je '65.

## MECHANISMS

Balancing mechanisms with rocking disks, E. V. Nikolaevskii Izv. vya. ucheb. zav., mashinost. no. 1:12-20 '65.

Calculating optimum mechanisms for the case of dynamic loading, Part 1: Derivation of equations and formulas for the general case, S. Stravinskaya, Trudy AN Litv SSR, Ser. B, no. 3:149-159 '64.

Calculating optimum mechanisms for the case of dynamic loading, Part 2: Finding optimum size of a four-bar linkage S. Stravinskaya, Trudy AN Litv. SSR, Ser. B, no. 3:161-169 '64.

Charts for the analysis and synthesis of four-bar linkages, L. P. Storozhev Izv. vya. ucheb. zav., mashinost. no. 4:71-83 '65.

Kozlovskii, N. S. [Calculation and design of precision-type mechanisms; manual on methods] Raschet i konstruirovaniye tochnykh mekhanizmov; uchebno-metodicheskoe posobie, Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1964, 110 p.

[MICROFILM]

Passive connections of a group of three-dimensional mechanisms with a plane of symmetry, A. G. Ovakimov, Izv. vya. ucheb. zav., mashinost. no. 2-5-8 '65.  
Plotting of force plans conjugated by weight forces, A. A. Markevich, Trudy LTITSBP no 14-229-234 '64

## MECHANISMS—TRANSPORTATION

Unit for loading and unloading machinery transported on motor trucks, V. V. Poliakov, Strol. truboprov. 10 no. 2-28 F '65.

## MECHNIKOV, IL'IA IL'ICH, 1845-1916

I. I. Mechnikov and the sanitary organization of Kherson, A. V. Sorokina Zhur. mikrobiol., epid. i immun. 42 no 4:148-151 Ap '65

## MEDIASTINUM—ABNORMALITIES AND DEFORMITIES

Teratoid formations of the mediastinum, V. L. Manevich, Trudy TSU 66-51-56 '64

## MEDIASTINUM—CANCER

Choriocarcinoma of the mediastinum in man, D. A. Neimark, Probl. endok. i gorm. H no. 1:62-65 Ja-F '65.

Hemocytoblastosis developing following radiotherapy of reticulosarcoma of the mediastinum, M. IU, Melikova, V. V. Badmaeva, A. M. Vecher Arkh. pat. 27 no 5 64-67 '65

Mediastinoscopy as an objective method for the study of the anterior mediastinum, V. L. Manevich, IU V. Bulabanov, Trudy TSU 66-67-73 '64

## MEDIASTINUM—DISEASES

Esophageal cysts of the mediastinum G. A. Lavnikova Arkh. pat. 26 no. 12 67-70 '64

Goffer of the posterior mediastinum, I. G. Gurbanaliev, D. D. Zakirdzhaev, Azerb. med. zhur. 42 no. 1:87-89 Ja '65.

## MEDIASTINUM—INFLAMMATION

Foreign body injury of the esophagus complicated by mediastinal and cervical phlegmon, IU A. Abramovich, Vest. khir. 94 no. 2:103-104 F '65.

MEDICAL AND PHARMACEUTICAL CHEMISTRY see Chemistry, Medical and pharmaceutical

MEDICAL BOTANY see Botany, Medical

## MEDICAL CARE

Rostotskii, I. B. [Organization of special types of medical services for the population of the U. S. S. R.] Organizatsiia spetsial'nykh vidov meditsinskogo obsluzhivaniia naseleniia SSSR, Moskva, Tsentr. in-t usovershenstvovaniia vrachei.

Lecture 1. [Organization of the control of tuberculosis] Organizatsiia bor'by s tuberkulezom, 1961, 27 p.

Lecture 2. [Organization of the control of dermatovenereological diseases] Organizatsiia bor'by s kozhno-venericheskimi bolezniami, 1960, 21 p.

Lecture 4. [Basic problems of the organization of neuropsychiatric aid] Osnovnye voprosy organizatsii nervno-psikhicheskoi pomoshchi, 1960, 17 p.

Lecture 5. [Medical control of athletes in the U. S. S. R. and the basic problems of the organization of exercise therapy] Vrachebnyi kontrol' za fizkul'turnikami v SSSR i osnovnye voprosy organizatsii lechennoi fizkul'tury, 1960, 11 p. [DNLM MICROFILMS]

MEDICAL CLIMATOLOGY see Climatology, Medical

## MEDICAL COLLEGES

Significance of the military scientific society of students of the academy in the training of military physicians, A. T. Rudenko, Voen.-med. zhur. no. 11-63-65 '64

## MEDICAL ELECTRONICS

Electronic method of studying breathing, B. S. Volkov, Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 4:41-42 Ap '65.

## MEDICAL GEOGRAPHY

(see also subdivision under Ukraine, Western)  
Basic problems of epidemiological geography, Report No. 2: Conception of nosological areas, I. I. Elkin, V. K. Ashkul', Zhur. mikrobiol., epid. i immun. H no. 11:48-53 N '64

## MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur.: Med. geog. no. 5 My '65.

## MEDICAL INSTRUMENTS AND APPARATUS

Method for simultaneous application of fistular tubes to several organs of the abdominal cavity using a combined cannula, I. K. Smirnov, Bul. eksp. biol. i med. 59 no. 4:118-120 Ap '65

Moscow, Vsesojuznyi nauchno-issledovatel'skii institut meditsinskogo instrumentarii i oborudovaniia. [Abstracts of reports of the Scientific Jubilee Session Dedicated to the 25th Anniversary of the Institute] Nauchnaia jubileinai sessiia, posvashchennai 25-letiiu Instituta; tezisy dokladov, Moskva, 1962, 55 p. [DNLM MICROFILM]

Technique of studying motor conditioned reflexes in man, V. A. Lekakh, Fiziol. zhur. [Ukr.] 0 no. 1: 134-135 Ja-F '63.

## MEDICAL JURISPRUDENCE

(see also subdivision under Kiev)  
Characteristics of the course of traumas of the lower extremities in children from the viewpoint of forensic medicine, V. I. Iankovskii, Sud.-med. ekspert, 8 no. 1:6-9 Ja-Mr '65.

Death of "water poisoning", A. V. Bulichev, P. A. Nosov.

Sud.-med. ekspert, 8 no. 1:49-50 Ja-Mr '65.

Determination of puberty in forensic obstetrical and gynecological expertise O. A. Panfilenko, Sud.-med. ekspert, 8 no 1:13-16 Ja-Mr '65.

Determination of the direct cause of death, O. B. Mazikova, Sud.-med. ekspert, 8 no 1:47-48 Ja-Mr '65

Diagnostic possibilities in the histological examination of stabbed and cut wounds A. P. Zagladskaja, Sud.-med. ekspert, 8 no. 1:3-6 Ja-Mr '65

Erroneous evaluation of fat drops in tissues and vessels as an authentic indication of intravital burns, L. M. Eidlin, Sud.-med. ekspert, 8 no 1:10-12 Ja-Mr '65

Medicolegal significance of the examination of the scene of the incident in the expertise of self-blasting E. S. Dpshtein, Sud.-med. ekspert, 8 no. 1:48-49 Ja-Mr '65

Significance of struvite crystals in septic cavities of cadavers recovered from the sea, N. B. Cheikavskii, A. G. Stukochenko, Sud.-med. ekspert, 8 no 1:18-20 Ja-Mr '65

Some organizational suggestions to improve the work of forensic medicine experts L. N. Deninas, Sud.-med. ekspert, 8 no. 1:50-51 Ja-Mr '65.

## MEDICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Stopper attachment and perforated disks for the Seitz apparatus V. P. Blokhov, Voen.-med. zhur. no 8 81-82 '64

## MEDICAL MICROBIOLOGY

Problems of the clinical aspects of infectious diseases at the 14th All-Union Congress of Microbiologists, Epidemiologists and Infectious Disease Specialists (June 29 - July 4 1964) G. P. Rudnev, Zhur. mikrobiol., epid. i immun. 42 no 4 3-6 Ap '65

## MEDICAL MICROBIOLOGY—TECHNIQUE

Esaul', A. E. [Indirect hemagglutination reaction] Reaktsiia nepriamoi gemagglutinatsii. [Leningrad] Meditsina, 1965, 50 p. (DNLM)

## MEDICAL PERSONNEL

Phototyping of staphylococci isolated from tuberculosis patients and medical personnel, I. R. Doozhkova, Zhur. mikrobiol., epid. i immun. 41 no. 11 90-94 N '64

Privileges for medical personnel living and working in rural areas, M. D. Volkstikova, Voen.-med. zhur. no. 11:94-95 '64.

## MEDICAL PERSONNEL, MILITARY

Kuz'min, M. K. [Medic Heroes of the Soviet Union] Mediki - Geroi Sovetskogo Soiuza, Moskva, Meditsina, 1965, 95 p.

MEDICAL PHOTOGRAPHY see Photography, Medical

## MEDICAL RECORDS

Case history and its significance in military medical expertise, S. F. Glebov, Voen.-med. zhur. no. 8-40-44 '64.

## MEDICAL RESEARCH

(see also subdivision under Antarctic regions)  
Criminal activity of fascist physicians during the Great Patriotic War, O. V. Perov, Voen.-med. zhur. no. 6: 70-82 '64.

Kishinev, Gosudarstvennyi meditsinskii institut.

[Reports of the 22d Regular Scientific Session of the Kishinev Medical Institute on the results of Scientific research work in 1963, dedicated to the 40th anniversary of the establishment of the Moldavian S. S. R. and founding of the Communist Party of Moldavia] Doklady 22-ochernednoi po itogam nauchno-issledovatel'skoi raboty za 1963 god, posvashchennai 40-letiiu obrazovaniia Moldavskoi SSR i sozdaniia Kommunisticheskoi partii Moldavii, Kishinev, Kartia moldoveniaske, 1964, 251 p.

## MEDICAL STATISTICS

Use of statistical methods in the scientific and practical work of military physicians, V. M. Gladkov, D. M. Malinskii, Voen.-med. zhur. no. 8-94-96 '64.

Use of the statistical method in clinical experimental studies, A. A. Akhmedov, A. M. Mamedov, Azerb. med. zhur. 42 no. 1:64-69 Ja '65

## MEDICAL SUPPLIES

Determination of the needs for raw medicinal plant material on a province scale, S. G. Sholeva, Farmatsev. zhur. 10 no. 1 34-41 '64

Economical analysis as a method for the detection of reserves F. I. Spivak, Farmatsev. zhur. 10 no. 1:78-81 '64

Planning of medical supply, Farmatsev. zhur. 10 no. 1 3-5 '64.

## MEDICAL TECHNOLOGY

Moscow, Vsesojuznyi nauchno-issledovatel'skii institut meditsinskogo instrumentarii i oborudovaniia. [Abstracts of reports of the Scientific Jubilee Session Dedicated to the 25th Anniversary of the Institute] Nauchnaia jubileinai sessiia, posvashchennai 25-letiiu Instituta; tezisy dokladov, Moskva, 1962, 55 p. [DNLM MICROFILM]



## MENINGITIS (Continued)

Electroencephalographic data in cerebral atachnoiditis. N. S. Aleksanov, Voen.-med. zhur. no. 8-23-25 '64  
Experimental meningitis in rabbits caused by L-form streptococci E. I. Kopelova, V. I. Pokrovskii Zhur. mikrobiol. epid. i immun. 41 no. 10 90-93 '64

## MENSTRUATION

Amenorrhea in organic diseases of the central nervous system, concerning the problem "Nervous system and internal secretion." Kh. G. Khodos, Zhur. nevro. i psikh. 65 no. 5-601-605 '65.  
Case of isolation of Toxoplasma from menstrual blood. E. P. Kovalova, V. D. Kopp. Trudy TSU 66-177-179 '64.  
Sexual development of schoolgirls in Moscow. IU. F. Borisova Akush. i g. 40 no. 5 105-110 S-O '61

## MENSURATION

Evaluating the precision of a measurement in experiments L. Kubachev Izv. tekhn. no. 3 6-11 M '65

## MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref. zhur. Metr. i izm. tekhn. no. 5 My '65.

## MENTAL DEPRESSION see Depression, Mental

## MENTAL HYGIENE

Frolov, IU. P. [Hygiene of intellectual work] Gigiene umstvennogo truda, Moskva, Meditsina, 1965 150 p. (Nauchno-politicheskaya meditsinskaya literatura)

## MENTAL ILLNESS

(see also subdivision under 'Elektrostal', Moscow Province)

Combination of Alzheimer's disease and atherosclerosis of cerebral vessels. B. M. Blekher, S. I. Slobodinskaya, Zhur. nevro. i psikh. 65 no. 4-552-557 '65.  
Correlation of the so-called antipsychotic and neuroleptic effect of nozinan. L. G. Effendrieva, Vop. klin., patog. i lech. shiz. no. 1-152-154 '64.  
Dynamics of some somatic indices in the process of treating mental patients with stelazine. D. L. Khmelevskii, Vop. klin., patog. i lech. shiz. no. 1-149-151 '64.  
Epidemiological study of mental morbidity. N. M. Zharkov, Zhur. nevro. i psikh. 65 no. 1-617-623 '65.  
Unusual side effects of thioprazine treatment similar to psychotic disorders in epidemic encephalitis. O. N. Kuznetsov, Vop. klin., patog. i lech. shiz. no. 1-78-80 '64.

## MENTAL TESTS—EQUIPMENT AND SUPPLIES see Psychological apparatus

## MENTALLY HANDICAPPED CHILDREN—EDUCATION see subdivision under Pavlovsk (Leningrad Province)

## MENTALLY ILL CHILDREN

Some characteristics of neurodynamics in children with psychopathic behavior. T. B. Delova, Zhur. nov. i psikh. 66 no. 5-721-725 '65.

## MERCANTILE BUILDINGS

Construction of commercial buildings today and tomorrow. V. Kokurin, Sov. torg. 38 no. 4-8-15 Ap '65.

## MERCANTILE BUILDINGS—CONGRESSES

The All-Union Conference on Designing and Building Commercial Enterprises Sov. torg. 38 no. 4-61-62 Ap '65.

## MERCAPTANS see Thiols

## MERCA PTO GROUP

Age-related changes in the content of sulfhydryl groups and adenosinetriphosphatase activity of myosin O. K. Kiy'ko, Uki. biokhim. zhur. 37 no. 1-8-13 '65  
Changes in the content and reactivity ability of some sulfhydryl groups of d-amino acid oxydase of the liver in rats depending on the age and season. R. I. Khil'chevskaya, Vop. geront. i geriat. 4-235-240 '65.  
Connection between the adenosinetriphosphatase activity of myosin and the content of free thiol groups in it A. F. Krasnova, N. N. Iakovlev Uki. biokhim. zhur. 34 no. 3-428-434 '62.

## MERCHANTS, DISPLAY OF see Display of merchandise

## MERCHANT MARINE

(see also subdivision under 'Baltic Sea; Black Sea; Kamchatka')

Creative collaboration of scientists and practical workers. N. Ermolaev, Mor. flot 25 no. 5-45 My '65.

For economic efficiency of the work of the fleet. M. Khod. Mor. flot 24 no. 9-10 S '64.  
The great exploit of Soviet people Mor. flot 25 no. 5-1-2 My '65.

Heroic passages. A. I. Askovich, Mor. flot 25 no. 5-10-12 My '65.  
Improve the management of marine transportation. Mor. flot 24 no. 9-1-2 S '64.

The peace and friendship trip. A. Gorinov, Mor. flot 24 no. 9-4-5 S '64  
Planning of shipments in marine transportation I. Turetskii Mor. flot 24 no. 9-36-40 S '64.

Savin, N. I. [Planning the work of a ship] Planirovaniye raboty sudna. Vladivostok (Primors'koe knizhnoe izd-vo) 1960. 99 p.

## [MICROFILM]

Some problems in overall automation of the fleet G. Popov, Mor. flot 25 no. 5-33 My '65  
Toward the sunny coasts of Italy A. Termechev Mor. flot 25 no. 5-11 My '65  
Use of mathematical methods in marine transportation research and practice. M. Gorbaty, Mor. flot 24 no. 9-12-13 S '61

## MERCHANT MARINE—SAFETY MEASURES

El'tsov, S. P., and T. M. Novikov, comps. [Handbook on safety measures in the merchant marine; general considerations] Spravochnik po okhrane truda na morskoi transporte, obshchee polozheniye, Moskva, Transport, 1965. 406 p.

## MERCHANT MARINE—TECHNOLOGICAL INNOVATIONS

Creative thoughts of scientists and practical workers I. Strel'tsov, Mor. flot 24 no. 9-40-41 S '64

## MERCHANT SEAMEN

Accidentless performance of the fleet. N. Sorokin, S. Tiumev, Rech. transp. 24 no. 4-49-50 '65

## MERCHANT SEAMEN—LEAVE REGULATIONS

Inter national regulation of the annual leave of seamen IU. Istomin Mor. flot 25 no. 5-40-41 My '65.

## MERCHANTS see subdivision under Isfahan, Iran

## MERCURATION

Mercurated phosphonium salts, a new type of quasicomplex compounds. N. K. Nesmetanov, V. M. Novikov, Dokl. AN SSSR 162 no. 2-350-353 My '65.  
3,6-endoxycyclohexanones and cyclohexanones. Part 20: Acetoxymercuration of dimethyl ester of 3,6-endoxycyclohexanone, N. S. Zefirov, L. P. Frikazhchikova, IU. K. Iur'ev, Zhur. ob. khim. 35 no. 4-639-641 Ap '65.

## MERCURY

(see also subdivision under 'Ukraine')

Some results of measuring pulsations in the rate of a turbulent mercury flow in the presence of a transverse magnetic flow. G. G. Branner, N. M. Silustsev, E. V. Shcherbinin, Mag. gldi. no. 1-33-35 '65.

## MERCURY—ANALYSIS

Determination of mercury in forensic chemical analysis of human liver and kidneys A. N. Krylova, Sud.-med. ekspert. 8 no. 1-29-33 Ja-Mr '65.

## MERCURY ACETATES

Oxidation of  $\Delta^3$ -carene by mercury acetate. Z. G. Isaeva and others, Izv. AN SSSR, Ser. khim. no. 3-466-475 '65.

## MERCURY-ARC RECTIFIERS

Reducing the electric power losses in the valves of mercury-arc rectifiers. E. G. Bobrov, Elek. i tepl. tiaga 9 no. 3-13-14 Mr '65

## MERCURY CHLORIDES

Production of organomercury compounds by the decomposition of double salts of aryl diazonium chloride and mercuric chloride in water. A. N. Nesmetanov, L. G. Makarova, I. V. Polovinskiy, Zhur. ob. khim. 35 no. 4-681-683 Ap '65.

Substitutions of halogen by chlorine in organic compounds by means of mercuric chloride. F. K. Velichko, Izv. AN SSSR, Ser. khim. no. 5-916-917 '65.

## MERCURY COMPOUNDS

Protolysis of mercury derivatives of ferrocene. A. N. Nesmetanov and others, Izv. AN SSSR, Ser. khim. no. 3-580 '65.

## MERCURY ORGANIC COMPOUNDS

Mercuriohexan as a disinfectant of wheat seed. E. I. Andreeva and others, Khim. v sel'. khoz. 3 no. 3-27-30 Mr '65.

Phenylmercury derivatives of substituted 2-phenylidene-1-phenylaminopyridines. D. N. Kravtsov, Dokl. AN SSSR 162 no. 3-581-584 My '65.

Production of organomercury compounds by the decomposition of double salts of aryl diazonium chloride and mercuric chloride in water. A. N. Nesmetanov, L. G. Makarova, I. V. Polovinskiy, Zhur. ob. khim. 35 no. 4-681-683 Ap '65.

Protolysis mechanism of cis- and trans- $\beta$ -chlorovinyl mercury chlorides under the effect of HCl and DCl. I. P. Beletskaya and others, Dokl. AN SSSR 162 no. 1-86-89 My '65.

Synthesis of some organomercury compounds. A. E. Borisov, I. S. Savell'eva, S. R. Serdyuk, Izv. AN SSSR, Ser. khim. no. 5-924-925 '65.

## MERCURY ORGANIC COMPOUNDS—SPECTRA

Nuclear magnetic resonance spectrum of dibenzyl mercury. I. P. Beletskaya and others, Izv. AN SSSR, Ser. khim. no. 5-933 '65.

## MERCURY SELENIDES

Reduction of mercury selenide with hydrogen L. I. A. Markovskii [Trudy] GIPKH no. 5-30-33 '6.

## MERCURYANINES

Effect of quaternary salts of  $\beta$ -chlorovinyl derivatives of heterocyclic bases on some carbo- and dimethinemerocyanine dyes. N. I. Shirokova, N. N. Sveshnikov, I. I. Leevkov, Dokl. AN SSSR 162 no. 3-603-606 My '65

Study in the series of merocyanines derivatives of azolones, Part 10. Color of the quaternary salts of dimethinemerocyanines. Z. F. Sytnik and others Zhur. ob. khim. 35 no. 4-641 Ap '65

## MEROMORPHIC FUNCTIONS see Functions, Meromorphic

## MEROMYOSINS

Existence of myosinlike fraction of light meromyosin M. B. Kalamkarova V. P. Nankina, E. B. Kofman, Biofizika 10 no. 1-166-167 '65

## MESLIER, JEAN, 1664-1720

Jean Meslier, founder of the revolutionary democratic ideology in France, for the 300th anniversary of his birth A. V. Novos Nauch. dokl. vys. shkoly, filos. nauki 7 no. 5-102-106 '64.

## MESONS

Analysis of the absorption of  $\pi$ -mesons in matter at great depths IU. N. Vavilov, G. I. Pugacheva, V. M. Fedorov, Izd. fiz. 1 no. 1-88-83 Ja '65.

Chemical reactions involving muonium. Identification of the products of interaction with matter V. G. Firsov Zhur. eksp. i teor. fiz. 48 no. 4-1179-1183 Ap '65  
Classical scalar meson fields. IU. P. Pylov, Vest. Mosk. un. Ser. 3-Fiz., astron. 20 no. 2-53-58 Mr-Ap '65.

Dependence of the transverse momentum of  $\pi$ -mesons on the angle of emission. E. G. Boos, A. Kh. Vinitskii, Zh. S. Takibaev, Izd. fiz. 1 no. 1-148-151 Ja '65

Determining the contribution of the  $3/2$ ,  $3/2$  isobar to inelastic  $\pi$ -p-interaction processes at the  $\pi^+$ -meson kinetic energy of 314 MeV. T. D. Blokhintseva and others, Izd. fiz. 1 no. 1-103-112 Ja '65

Disintegration of photoemulsion nuclei by slow  $\mu$ -mesons. A. O. Vaisenberg, E. D. Kolganova, N. V. Rabin, Izd. fiz. 1 no. 4-652-658 Ap '65.

Emission of  $\pi$ -mesons and the beta decay of a proton moving in a magnetic field G. F. Zharkov, Izd. fiz. 1 no. 1-173-182 Ja '65

A model of the symmetry of strong interactions based on the  $Sp_6$  group B. V. Struminskii, Izd. fiz. 1 no. 4-701-709 Ap '65

The  $N^{14}(\pi, 2p)3\alpha$  reaction with 80 MeV.  $\pi^+$ -mesons. B. P. Afanas'ev, V. I. Ostroumov, Izd. fiz. 1 no. 4-647-651 Ap '65.

The  $p$ -meson mass difference. V. G. Vasev, V. G. Fivovarov, Izd. fiz. 1 no. 3-524-525 Mr '65.

Partial transitions in the photoproduction of charged  $\pi$ -mesons on light nuclei V. V. Balashov, G. I. Korenman, T. S. Macharadze, Izd. fiz. 1 no. 4-669-675 Ap '65.

Photoproduction of neutral pions near the threshold. A. M. Baldin and others, Izd. fiz. 1 no. 1-92-95 Ja '65

Production of pseudoscalar mesons in colliding electron-positron beams. I. G. Dzhalalov, Izd. fiz. 1 no. 4-665-667 Ap '65.

Spatial distribution of muon fluxes in extensive air showers. B. A. Khrenov, Izd. fiz. 1 no. 3-540-546 Mr '65

Total cross sections of the  $\pi^+ + p \rightarrow \pi^+ + \pi^+ + p$  reaction near the threshold and the angular distributions of secondary particles. IU. A. Batusev and others, Izd. fiz. 1 no. 3-526-532 Mr '65

Upper bound of the cross section of coherent interactions between fast  $\pi$ -mesons and heavy nuclei from emulsions. S. A. Azimov, E. V. Beter, U. G. Guliamov, Izd. fiz. 1 no. 1-72-75 Ja '65

## MESONS—CAPTURE

Capture of negative muons by chemically bound atoms. V. D. Bobrov and others, Zhur. eksp. i teor. fiz. 48 no. 4-1197-1199 Ap '65.

## MESONS—DECAY

Disturbance of CF-invariance and interference phenomena in the disintegration of a neutral K-meson into two  $\pi$ -mesons. V. L. Ljuboshits and others, Izd. fiz. 1 no. 3-487-506 Mr '65.

Galactic hypercharge field and the disintegration of long-lived neutral K-mesons into two  $\pi$ -mesons. V. L. Ljuboshits, E. O. Okonov, M. I. Podgornitskii, Izd. fiz. 1 no. 3-490-495 Mr '65.

On the rule  $\Delta T = 1/2$  for adron decay. I. U. Kobzarov, L. B. Okun', Izd. fiz. 1 no. 1-160-162 Ja '65.  
Spectra of  $K_{85}$ -decay. I. V. Lagin, Izd. fiz. 1 no. 4-659-664 Ap '65.

## MESONS—SCATTERING

- Cross section of pion charge exchange at 4 Bev /c  
M. A. Azimov and others IAD fiz 1 no 1-145-147  
Ja '65
- Elastic scattering of positive 3, 2 GeV./sec.  $\pi$ -mesons  
by protons. A. S. Vovchenko and others IAD fiz 1  
no 4-681-688 Ap '65
- Measurement of the real part of the amplitude of elastic  
 $\pi^+$ -scattering at an energy of 3, 5 Bev. V. A. Nikitin  
and others IAD fiz 1 no 1-133-181 Ja '65
- Quasi-elastic  $\pi^+$ -n-interaction at an energy of 9 Bev.  
I. M. Gramenitskiy and others IAD fiz 1 no 1-113-121  
Ja '65
- The  $\pi^+p \rightarrow \pi^+\pi^+n$  reaction near the threshold, and  
 $\pi^+\pi^+$ -interaction. I. U. A. Batusov and others IAD fiz.  
1 no 4 687-692 Ap '65.

## METABOLISM

- Optimal self-regulation of metabolic processes in the  
cell. Metabolism as self-regulating system in the  
presence and absence of feedback. G. Dechev, A. Moskova. Dokl AN SSSR 162 no 3 685-687 My  
'65
- Optimum self-regulation of metabolic processes in the  
cell. Scale of metabolic processes as a single optimum  
system. G. Dechev, A. Moskova, Dokl AN SSSR 162  
no 2 447-150 My '65.
- Quantitative relationship between the concentration of  
exchange products and the growth rate in micro-organisms  
N. D. Ierusalimskii, N. M. Neronova, Dokl AN  
SSSR 161 no. 6-1437-1440 Ap '65.

## METABOLISM, DISORDERS OF

- Local injections of hydrocortisone in the treatment of  
metabolic lesions of the locomotor apparatus. I. M.  
Militarev Sov med 28 no 1107-110 Ja '65

## METAL CASTINGS

- Blatnitskiy, G. F. [Crystal structure formation in cast-  
ings, pure metals and single-phase alloys] Formirova-  
nie kristallicheskogo stroeniia otliivok; chistyie metally  
i odnofaznye splavy. Moskva, Mashinostroenie, 1965.  
254 p
- Zakharov, V. P. [Heat treatment of castings] Termiche-  
skaya obrabotka otliivok. Pod red. L. M. Volpian'skogo.  
Moskva, Mashinostroenie, 1965. 40 p. (Nauchno-popu-  
lyarnaya biblioteka rabochego-litsetshchika)

## METAL CASTINGS—DEFECTS

- Studying the fusion of sand on castings using technological  
samples. B. M. Galsin Lit proizv no 6 38-39 Je  
'64.

## METAL CLADDING

- Structure of the transition zone in clad steel. M. G.  
Morozov, K. K. Varvashevich, L. V. Lobanova. Izv.  
vys. ucheb. zav.; mashinost. no 2-162-164 '65

## METAL CLEANING

- Using coke gas in the preheating flame of a machine  
cutter for flame cleaning. E. Kh. Shamovskii Svar  
proizv no. 3-22-24 Mr '65

## METAL CRYSTALS

- Elasticity modulus and strength of filament crystals  
V. S. Postnikov, S. A. Ammer. Izv. vys. ucheb. zav.,  
chern. met. 8 no 5-140-144 '65
- Interatomic distances of lanthanides in metal crystals.  
E. S. Sarkisov, Dokl. AN SSSR 161 no. 5-1093-1095 Ap  
'65.
- Investigating the process of etching dislocations in anti-  
mony crystals. L. M. Soifer. Zashch. met. 1 no. 1-29-  
35 Ja-F '65.
- Studying the background in single crystals of antimony.  
L. M. Soifer, Z. A. Shegoleva Fiz. met. i metalloved  
19 no 4 637-640 Ap '65

## METAL CRYSTALS—ELECTRIC PROPERTIES

- Temperature dependence of the electromechanical  
effect in covalent crystals. I. V. Mil'man, V. I.  
Tretulov, G. E. Khomenko. Sbor. nauch. trud. Inst.  
metallofiz. AN URSSR no 19-51-53 '64.

## METAL CRYSTALS—GROWTH

- Kinetics of the anomalous growth of austenitic grains  
in steel. L. N. Larikov, E. A. Maksimenko. Sbor.  
nauch. trud. Inst. metallofiz. AN URSSR no. 19-187-191  
'64
- Nucleation of new crystals during the interaction between  
tin and liquid gallium. L. I. Mirkin. Fiz. met. i  
metalloved. 19 no. 4 577-582 Ap '65.

- Removal of oxygen-containing impurities from com-  
pounds of the Al<sup>III</sup> VI types. N. I. Krainikov. Izv. AN  
SSSR, Neorg. mat. 1 no. 1-177-79 Ja '65.

## METAL CRYSTALS—MAGNETIC PROPERTIES

- Nucleation and growth of magnetic reversal in cobalt  
crystals. I. A. S. Shur, I. U. N. Dragoshanskii. Fiz. met. i  
metalloved. 19 no 4 536-543 Ap '65.

## METAL CUTTING

- (see also subdivision under Leningrad)
- Avakov, A. A. [An aid for the machine-tool operator;  
problems of high-speed metal cutting] Voprosy me-  
stanochniku; voprosy vysokoproduktivnogo rezaniia  
metallov. [Rostov-na-Donu] Rostovskoe knizhnoe  
izd-vo, 1961. 106 p.

[MICROFILM]

- Danielian, A. M., ed. [Machining heat resistant steels  
and alloys and high melting metals] Obrabotka reza-  
niem zharoprochnykh stalei, splavov i tupo-plavkikh  
metallov. [By] A. M. Danielian i dr. Moskva, Mashino-  
stroenie, 1965. 308 p.

- Defects in sheet cut on a transverse cutting unit. S. P.  
Efimenko, V. I. Kaplanov. Metallurg 10 no 3 31 Mr  
'65
- Determining the cutting temperature by standard  
physicomechanical characteristics of metals and  
alloys. V. V. Tsoskhadze. Izv. vys. ucheb. zav.,  
mashinost. no 1-151-160 '65
- Determining the deformation rate of chips by their  
hardness. L. A. Khvorostukhin, A. Z. Rakhman-Zade.  
Izv. vys. ucheb. zav., mashinost. no 1-161-167 '65
- Effect of the characteristics of contact yield of machined  
metal on the wear of cutting tools. N. V. Talantov, I. U.  
G. Glukhov. Vest. mashinost. 15 no 1 66-70 Ap '65

- Introducing an automatic readjusting line with flexible  
conveyors for machining of alloys. S. G. Reshetnikov.  
Blat. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch.  
i tekhn. inform. 18 no 2-33-35 F '65

- Minimizing intraoperational surpluses on straight lines  
where one worker attends several machine tools.  
B. I. Kuzin. Trudy LPI no 2 114-119 '65

- System of characteristics and indices for evaluating the  
progressiveness and economic efficiency of metal-  
cutting processes. A. P. Voloshchenko. Izv. vys. ucheb.  
zav., mashinost. no 1-155-187 '65.

- Zemlegradov, K. G., and T. A. Smerenova. [Efficient  
ways of introducing the multiple machining method  
based on the standardization of parts and billets]  
Efektivnye puti vnedreniia metoda grupovoi obrabotki  
na osnove unifikatsii detaliei i zagotovok. Leningrad,  
1965. 42 p. (Leningradskii dom nauchno-tekhnicheskoi  
propagandy. Proizvodstvennyi opyt. Seriya Mekhani-  
cheskaya obrabotka metallova)

## METAL CUTTING—MEASUREMENT

- Errors in active control caused by the quality of machined  
parts. A. V. Vysotskii, M. I. Ettingof. Izv. tekhn.  
no. 3 12-13 Mr '65

## METAL CUTTING, ELECTRIC see Electric metal cutting

## METAL-CUTTING TOOLS

- Cutting-off lathe tool. M. V. Kulikov. Mashinostroitel'  
no. 5-25 My '65.
- Dynamic investigation of round-self-rotating cutting  
tools. V. A. Zenilinskii, I. U. F. Granin. Izv. vys.  
ucheb. zav., mashinost. no 1-180-185 '65.
- Effect of simultaneous hardening of holders and bits of  
hard-alloy tools on their quality. V. D. Rusay, V. I. A.  
Staroselskii. Avi. prom. 31 no. 5-39-42 My '65.
- Increasing the strength of upsetting tools. B. S. Khomlakh.  
Mashinostroitel' no. 5-28-27 My '65.
- Present trends in the design of metal-cutting tools.  
D. I. Semenchko. Inform. biul. VDNKH no 5 3-7  
My '64
- Zhuravlov, S. A., and A. Sh. Shifrin. [Milling cutters]  
Frezy. Pod red. S. A. Zhuravleva. Moskva, Mashino-  
stroenie, 1964. 125 p. (Biblioteka frezerovshchika,  
no. 2)

## METAL-CUTTING TOOLS—STANDARDS

- New standards for cutters. A. V. Miliakov. Mashino-  
stroitel' no. 5-14-16 My '65.

## METAL INDUSTRIES—SAFETY MEASURES

- [Handbook on industrial safety and safety techniques]  
Spravochnik po okhrane truda i tekhnike bezopasnosti.  
Moskva, Metallurgiya, 1965. 442 p.

## METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

- see subdivision under Moldavia

## METAL POWDER PRODUCTS—ELECTRIC PROPERTIES

- Electric conductivity of porous sintered materials made  
of copper fibers. V. V. Skorokhod, V. V. Panichkina.  
Porosh. met. 5 no. 1 58-61 Mr '65.

## METAL POWDER PRODUCTS—TESTING

- Causes for the high-speed response of ferrites with a  
rectangular hysteresis characteristics. D. E. Bondarev.  
Porosh. met. 5 no. 5-93-102 My '65
- Strength of porous iron during repeated alternating  
loading. V. T. Troshchenko, A. Ia. Kravoskii.  
Porosh. met. 5 no. 5-87-92 My '65.
- Studying changes in the mechanical properties of packing  
material during the oxidation process. Report No. 2.  
I. M. Fedorchenko, E. I. Denisenko, V. N. Miroshnikov.  
Porosh. met. 5 no. 4-57-60 Ap '65.

## METAL POWDER PRODUCTS—THERMAL PROPERTIES

- Some problems in the heat resistance of sintered  
materials. M. K. Rybal'chenko. Porosh. met. 5  
no 4-53-56 Ap '65
- Using high-frequency heating of specimens to determine  
the temperature of the occurrence of the liquid phase.  
V. N. Ereminenko, V. E. Listovnichii. Porosh. met. 5  
no. 4-76-78 Ap '65.

## METAL POWDERS

- Calculating the minimum speed of powder rolling. O. A.  
Katruss, G. A. Vinogradov. Porosh. met. 5 no. 4-9-12  
Ap '65

- Heat resistant coatings from chromium, nickel, boron,  
and silicon powders obtained on steel by the enameling  
method. E. A. Antonova, I. A. Kuznetsova, L. A. Ivano  
Zashch. met. 1 no. 1-104-109 Ja-F '65.

- Obtaining ferrite powders by the thermal decomposition  
of sulfates. A. E. Goshstein, D. M. Kriger, S. M.  
Lishayn. Porosh. met. 5 no. 5-4-8 My '65.

- Preparation of finely dispersed powders of double and  
triple carbonates of barium, strontium and calcium.  
A. P. Nakhodova, Z. D. Butua. Izv. AN SSSR, Neorg.  
mat. 1 no. 1-136-141 Ja '65.

- Synthesis and study of polymeric complexes formed in the  
reaction of tetraacetylenyls with metal powders.  
A. A. Britin and others. Vysokom. soed. 7 no 1 80-8  
Ja '65

- X-ray investigation of nickel powders. V. V. Skorokhod,  
A. F. Khienko. Porosh. met. 5 no. 5-1-3 My '65.

## METAL POWDERS—STANDARDS

- [Hard ceramic metal alloys and metal powders] Splavy  
tverdyie metallokovalencheskie i poroshki metallicheskie  
Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965.  
190 p. (SSSR. Gosudarstvennye standarty)

## METAL REINFORCED PLASTICS

- Machine parts made from metal reinforced plastic.  
S. I. Belen'kii. Tekst. prom. 25 no 5-65-69 My '65

## METAL SPRAYING

- Some properties of vacuum metallized fabrics. G. V.  
Morozov. Tekst. prom. 26 no 3-61-65 Mr '65

## METALLIC FILMS

- Comparison of the methods of "zero" and "mirror"  
backings in studying secondary electron emission from  
thin metallic films. R. B. Segal', Uch. zap. CHGT  
no 3-13-21 '62.

- Determining the optimum current density in producing  
films by the galvanic method. N. V. Kotelnikov, I. N.  
Sokolov, V. I. Fadeev. Izv. AN SSSR, Ser. fiz. 20 no.  
6-47-49 Ap '65.

- Formation of Ferromagnetic films by means of a high-vacu-  
um source. E. M. Dubina and others. Izv. AN SSSR  
Ser. fiz. 20 no 4-679-683 Ap '65.

- Investigating the effect of an oxide phase film on the  
electrochemical behavior of iron and steel in a neutral  
solution. L. I. Freiman, I. A. M. Kolotyrlin. Znashch.  
met. 1 no. 1-77-83 Ja-F '65.

- Metallic films produced by the method of electron beam  
heating. G. I. Levin. Izv. AN SSSR, Ser. fiz. 20 no. 4  
639-641 Ap '65.

## METALLIC FILMS—ELECTRIC PROPERTIES

- Sound excitation in metallic films by electric currents.  
M. I. Kaganov, V. B. Filko. Fiz. met. i metalloved. 19  
no. 4 689-194 Ap '65.

## METALLIC FILMS—GALVANOMAGNETIC PROPERTIES

- Plane galvanomagnetic effect in thin ferromagnetic  
films. V. D. Ky. Izv. AN SSSR, Ser. fiz. 20 no. 4:  
576-579 Ap '65.

- Use of the plane galvanomagnetic effect in determining  
the static characteristics of ferromagnetic films.  
E. F. Kuritsyna, V. D. Ky. Izv. AN SSSR, Ser. fiz.  
20 no. 4-589-585 Ap '65.

## METALLIC FILMS—MAGNETIC PROPERTIES

- Anisotropy of thin Ferromagnetic films caused by a field at  
the oblique incidence of a molecular beam. R. V.  
Telezhin, I. M. Saracova, A. G. Shishkov. Izv. AN  
SSSR, Ser. fiz. 20 no. 4-586-589 Ap '65.
- Block walls as a thin magnetic film. M. K. Shvechenko  
and others. Izv. AN SSSR, Ser. fiz. 20 no. 4-517-519  
Ap '65.

- Block walls of alternating polarity in thin ferromagnetic  
films. O. A. Vinogradov. Izv. AN SSSR, Ser. fiz. 20  
no. 4-702-705 Ap '65.

- Change in the domain structure of ferromagnetic films  
due to elastic stresses. V. G. Kazakov. Izv. AN SSSR  
Ser. fiz. 20 no. 4-663-667 Ap '65.

- Chemically precipitated nickel-cobalt films. N. A.  
Korovin. Izv. AN SSSR, Ser. fiz. 20 no. 4-659-654  
Ap '65.

- Conditions for the change over from nonuniform to  
uniform rotation in the magnetic reversal of thin  
Ferromagnetic films. R. V. Telezhin, O. S. Kolotov, V. A.  
Pogozhev. Izv. AN SSSR, Ser. fiz. 20 no. 4-546-547  
Ap '65.

- Creeping of boundaries in Ferromagnetic films. R. V.  
Telezhin and others. Izv. AN SSSR, Ser. fiz. 20 no. 4  
571-575 Ap '65.

- Dependence of the limit of reversible rotation on the  
"dispersion" of the field of anisotropy by magnitude  
and direction. A. G. Lesnik, V. N. Pashkar'. Izv. AN  
SSSR, Ser. fiz. 20 no. 4-556-558 Ap '65.

- Dependence of the magnetic properties of iron-gadolinium  
films on their thickness. V. A. Buravikhin, A. A.  
Nedel'ko. Izv. AN SSSR, Ser. fiz. 20 no. 4-595-599  
Ap '65.

- Effect of anisotropy dispersion on the dynamic property  
of thin Ferromagnetic films. R. V. Telezhin, T. N.  
Nikitina. Izv. AN SSSR, Ser. fiz. 20 no. 4-548-551 Ap  
'65.

- Effect of elastic stresses on the coercive force and shape  
of hysteresis loops in ferromagnetic films. V. A.  
Buravikhin, V. G. Kazakov, V. I. Popov. Izv. AN SSSR  
Ser. fiz. 20 no. 4-659-662 Ap '65.

## MEZENSKAYA PIZHMA VALLEY.—BOTANY

Flora of the denuded rocks in the Mezenskaya Pizhma Valley. A. N. Lashchenko. Bot. zhur. 50 no. 5:418-420 Mr '65

## MIASNIKOV, ALEKSANDR LEONIDOVICH, 1899—

Laureate of the "Golden Stethoscope." G. A. Glezer. Priroda 51 no. 1:114-115 Ap '65.

## MICA see subdivision under Kilvoy Rog Basin

## MICE—EXTERMINATION

Making a mousetrap. G. P. Vasin. Shkola i protiv 9 no. 4:61-67 Ap '65

## MICELLES

Automatic densitometer for micelles. V. O. Obmenin, A. D. Nesterov. Maslozhil. prom. 31 no. 2:31-33 F '65

## MICHAEL REACTION

Tetracyclines. Part 10: Michael's reaction with derivatives of  $\Delta^2$ -tricyclic DCB. A. I. Gurevich and others. Zhur. ob. khim. 35 no. 4:652-659 Ap '65

## MICROBIAL METABOLITES—EFFECT ON PLANTS see Plants, Effect of microbial metabolites on

## MICROBIOLOGICAL RESEARCH

(see also subdivision under Ukraine)

Comparative evaluation of BCG substrains in experiment on white mice. A. M. Rozenberg. Zhur. mikrobiol., epid. i immun. 41 no. 11:68-73 N '61

Effect of the breed of mice on the variability of the results in experimental virulence determination of typhoid fever bacteria. N. F. Leont'eva. Zhur. mikrobiol., epid. i immun. 41 no. 11:16-18 N '64

Problems of the ecology of plague and pseudotuberculosis microbes. Report No. 1: C. rhodochryse and nitrogen nutrition of the rodent pseudotuberculosis pathogen. N. L. Klassovskii, L. M. Onadehata, V. S. Petrov. Zhur. mikrobiol., epid. i immun. 42 no. 1:37-41 Ap '65.

Properties of antibodies fixed on particles and aspects of their use in microbiology. Report No. 5. A. K. Adamov. Zhur. mikrobiol., epid. i immun. 41 no. 11:3-7 N '61.

## MICROBIOLOGY

Annotations. Zhur. mikrobiol., epid. i immun. 41 no. 11:141-146 N '64.

Authors' abstracts. Zhur. mikrobiol., epid. i immun. 41 no. 11:138-143 N '64.

## MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Effect of certain conditions on the adsorption of microbes by substituted calcium phosphate. A. K. Adamov. Mikrobiol. zhur. 20 no. 3:77-81 '64.

Microflora of the mass culture of *Citrella*. P. T. Malakhova, L. G. Konstantinova. Uzb. biol. zhur. 8 no. 2:24-28 '65.

Obtaining a transplantable line of cell cultures from kidney tissue of human embryo and study of its sensitivity to standard strains of enteroviruses. I. I. Voinov. Vop. virus 10 no. 1:100-102 Ja-F '65.

Quantitative relationship between the concentration of exchange products and the growth rate in micro-organisms. N. D. Terushalinskii, N. M. Neronova. Dokl. AN SSSR 191 no. 6:1437-1440 Ap '65.

## MICROBIOLOGY—TECHNIQUE

Determination of dissolved oxygen concentration by the method of polarography with fixed gold electrodes in a submerged culture of micro-organisms. I. S. Korshunov. Prikl. biokhim. i mikrobiol. 1 no. 1:114-118 Ja-F '65.

Experimental study of polydispersed bacterial aerosols. Report No. 1: Theory of the method of determining the survival of micro-organisms in polydispersed aerosol. B. P. Zhalko-Titarenko. Zhur. mikrobiol., epid. i immun. 41 no. 10:61-66 '64.

Isolation of an inhibitor-sensitive variation from an inhibitor-resistant culture of A2 influenza virus by gel filtration on saphadex. V. A. Isachenko, G. A. Smirnova, A. S. Gorbunova. Vop. virus 10 no. 1:97-98 Ja-F '65.

Microscopic study of the agglutination reaction with various bacterial antigens. L. B. Bogoyavlenskaya. Zhur. mikrobiol., epid. i immun. 41 no. 10:56-60 '64.

Possibility of elimination of cross reactions between streptococci of various groups and staphylococci in using the fluorescent antibodies method. T. A. Danilova, M. A. Koin. Zhur. mikrobiol., epid. i immun. 41 no. 11:13-15 N '64.

Possibility of the dependence of Wright's reaction on the blood serum proteins. M. R. Nazirov, B. N. Abrakhanova. Zhur. mikrobiol., epid. i immun. 41 no. 10:80-84 '64.

Possibility of using a temperature-gradient device for studying cardinal temperature points in the growth of micro-organisms. V. A. Kordium, Z. V. Lazurkevych, L. H. Zhareva. Mikrobiol. zhur. 27 no. 2:83-88 '65.

Study of the phenomenon of phase variability of *Rickettsia burnetii* using the agglutination reaction. R. G. Dzul'saliya, N. I. Fedorova. Zhur. mikrobiol., epid. i immun. 41 no. 11:24-27 N '64.

Study of the reaction of completed phagocytosis in children with dysentery. A. D. Kostikova, I. L. Gusevskaya. Zhur. mikrobiol., epid. i immun. 41 no. 11:8-11 N '64

Use of antitubulin alkaline suspension agglutinins for a rapid detection of botulinum pathogens. A. K. Adamov, T. I. Eulova, A. G. Shvarts. Zhur. mikrobiol., epid. i immun. 41 no. 10:66-70 '64

Use of indicator discs with antibiotics on Ploskirev's medium for the increase of the growth rate of dysentery bacilli. E. A. Poplavskaya, S. N. Rzhantov, V. P. Bugrova. Zhur. mikrobiol., epid. i immun. 41 no. 11:12-13 N '64

Use of safranine for the species differentiation of *Brucella*. G. A. Balondin. Zhur. mikrobiol., epid. i immun. 42 no. 4:89-91 Ap '65

Various possibilities of using the hemagglutination and hemagglutination inhibition reactions with adenovirus. R. S. Dreizin and others. Vop. virus 10 no. 1:111-117 Ja-F '65.

## MICROCLINE

Décomposition of albiat and microcline in caustic soda solutions. V. S. Bazhin, V. E. Denisovich, A. I. Volkovskaya. Ukl. khim. zhur. 31 no. 1:379-384 '65

## MICROCOCUS

Induction of a lysogenic culture of *Micrococcus lysodeikticus* by antibiotics selectively inhibiting deoxyribonucleic acid synthesis. I. U. Dudnik. Antibiotiki 10 no. 2:112-117 F '65.

## MICROCOSM AND MACROCOSM

Kuz'minov, G. A. [The sensation and the logical in knowledge of the microcosm] Chuvstvennoe i logicheskoe v poznani mikrokosma. Moskva, Mysl', 1965. 117 p.

## MICROFILM SERVICES

Vlasov, E. M. [Microphotocopying of scientific and patent and technical information] Mikrofotokopirovanie v nauchnoi i patentno-tekhnicheskoi informatsii. Leningrad, 1965. 34 p. (Leningradskii dom nauchno-tekhnicheskogo i proizvodstvennogo opyta.)

## MICROFILMING see Microphotography

## MICROLITE

Interaction between microlite and certain reagents in solution. I. N. Iakshin, E. A. Shradet. Dokl. AN SSSR 162 no. 1:147-149 My '65.

## MICROMESISTUS see subdivision under Norwegian Sea

## MICRO-ORGANISMS, EFFECT OF DRUGS ON

Antibacterial activity of the synthetic derivatives of capillene (agropyrene) and capillin. V. N. Solov'ev and others. Antibiotiki 10 no. 2:150-158 F '65.

Antibacterial and therapeutic properties of the preparation melassin derived from bee venom. I. F. Kononenko. Trudy Khar. med. inst. no. 36:179-186 '67.

Rapid method for determining the sensitivity of microflora to antibiotics and bacteriophages. V. N. Kolesnev, T. A. Levina. Voen.-med. zhur. no. 7:72-74 '64.

Study of the antimicrobial properties of stelarins. R. D. Kogan, V. V. Kyrikandze, R. A. Tebnikh. Vop. klin., patol. i lech. zhur. no. 1:70-71 '64.

## MICRO-ORGANISMS, EFFECT OF RADIATION ON

Effect of electromagnetic waves of ultrahigh frequency on micro-organisms. P. I. Schastnaia. Trudy Khar. med. inst. no. 36:239-250 '67.

## MICRO-ORGANISMS, NITROGEN-FIXING

New data on the biochemistry of molecular nitrogen fixation by micro-organisms. V. I. Ljubimov. Izv. AN SSSR Ser. biol. no. 3:394-397 My-Je '65.

Splitting hard soluble calcium phosphates by the nodule bacteria of lupine. V. F. Zarembo, E. O. Tomashevskaya, S. M. Malinovskaya. Agroklimatika no. 1:53-57 Ja '65.

## MICROPHOTOGRAPHY

Vlasov, E. M. [Microphotocopying of scientific and patent and technical information] Mikrofotokopirovanie v nauchnoi i patentno-tekhnicheskoi informatsii. Leningrad, 1965. 34 p. (Leningradskii dom nauchno-tekhnicheskogo i proizvodstvennogo opyta.)

## MICROSCOPE

Replacement of an illumination lamp in the "DiéB Micro-phot" microscope. A. K. Pokotil'enko. Arkh. pat. 27 no. 2:85-86 '65

## MICROSCOPIC ANATOMY see Histology

## MICROTOME

Machine for the sharpening of microtomes designed by the Central Design Bureau of the Ministry of Public Health of the U.S.S.R. I. U. G. Tinkov. Arkh. pat. 27 no. 2:84-85 '65.

## MICROWAVE MEASUREMENTS

Errors in the measurement of phase shifts at microwave frequencies using some interference-type systems. I. M. Grankin, V. A. Isachenko. Izv. vys. ucheb. zav. i radioelektr. 8 no. 1:72-77 Ja-F '65.

## MICROWAVE TUBES

Consideration of the thermal velocities of electrons under steady conditions of centrifugal-electrostatic focusing. G. N. Korostelev. Izv. vys. ucheb. zav. i radioelektr. 8 no. 1:99-102 Ja-F '65.

## MICROWAVES

Analytical calculation of the transfer coefficient of a chain of series connected three-waveguide directional couplers. E. S. Sahlin. Izv. vys. ucheb. zav. i radioelektr. 8 no. 1:93-95 Ja-F '65

Budin, V. A. [Elements of microwave devices, survey of foreign patents] Elementy priborov svetskivysokoi chastoty, obzor inostrannykh patentov. Moskva, TSNTI, nauchno-issled. i in- i patentnoi informatsii i tekhniko-ekon. issledovani, 1964. 32 p.

## [MICROFILM]

Calculation of the field of a symmetrical air-filled strip line in steady operation. I. S. Kovalev. Izv. vys. ucheb. zav. i radioelektr. 8 no. 1:78-86 Ja-F '65

Cathode field of an anomalous glow discharge in a waveguide. A. M. Starik. Radiotekh. i elektron. 10 no. 4:779-780 Ap '65.

Clinical aspects of chronic exposure of the human organism to ultrahigh frequency electromagnetic fields: a review of literature. E. B. Zaki zhuskii, V. M. Malyshev. Voen.-med. zhur. no. 10:15-19 '64

Contribution to the theory of cylindrical waves in anisotropic media. A. M. Goncharenko. Radiotekh. i elektron. 10 no. 5:949-951 My '65

Determination of the amplitudes of higher-type waves in the incidence of an  $H_{01}$  wave on a symmetrical diaphragm in a rectangular waveguide. I. U. F. Zabolotnikov. Radiotekh. i elektron. 10 no. 4:762-763 Ap '65.

Effect of a magnetodielectric on a field scattered on a grid with random incidence of a wave. A. I. Adonina. Radiotekh. i elektron. 10 no. 4:835-841 Ap '65.

Effect of field disturbances on periodic electrostatic focusing. I. P. Sokolov. Radiotekh. i elektron. 10 no. 5:980-983 My '65.

Effect of reflections on the accuracy of the measurement of group delay time. V. V. Molebnyi. Izv. vys. ucheb. zav. i radioelektr. 8 no. 1:108-111 Ja-F '65

Experimental study of a system "opposing rows of pins." P. I. Gusev, L. N. Bezmaternykh. Radiotekh. i elektron. 10 no. 5:947-949 My '65

Feld'shteyn, A. L., and L. R. Iavich. [Synthesis of four-terminal and eight-terminal microwave networks] Sintez chetyrekhpolusnikov i vos'mipolusnikov na SVCh. Moskva, Izd-vo "Svyaz", 1965. 352 p.

Kalashnikov, A. M., and I. A. V. Slepuk. [Principles of radio engineering and radar, oscillatory systems] Osnovy radiotekhniki i radiolokatsii, kolebatel'nye sistemy. Izd. 3., perer. Moskva, Voenizdat, 1965. 382 p.

Mechanism of action of ultrahigh-frequency electromagnetic radiations, a review of literature. I. R. Petrov. A. G. Subbota. Voen.-med. zhur. no. 9:26-31 '64.

Method for measuring losses in an optical cavity. I. U. V. Troitskii. Radiotekh. i elektron. 10 no. 5:954-958 My '65

[Physical principles of the operation of semiconductor microwave diodes] Fizicheskie osnovy raboty poluprovodnikov SVCh diodov. [By] S. N. Ivanov i dr. Moskva, Sovetskoe radio, 1965. 190 p.

Slot radiator with ferrite controlled polarization. I. U. V. Shubarin, A. N. Magda. Izv. vys. ucheb. zav. i radioelektr. 8 no. 1:109-121 Ja-F '65

Some electro-optical features of two-slot lenses. G. V. Der-Shvarts, V. P. Rachkov. Radiotekh. i elektron. 10 no. 5:922-928 My '65.

Study of a corrugated converter of the  $H_{01}$  wave to  $E_{11}$  in a round waveguide. I. R. Gekker and others. Radiotekh. i elektron. 10 no. 4:766-769 Ap '65.

Theory of frequency multiplication in a resonator filled with a nonlinear medium. S. A. Akhmanov, V. G. Dmitriev, V. F. Modenov. Radiotekh. i elektron. 10 no. 4:649-657 Ap '65.

Toroidal cavities with ADR crystals; light modulators. V. A. Dianova, E. R. Mustel', V. N. Farygin. Radiotekh. i elektron. 10 no. 4:770-772 Ap '65.

Use of gas microgaps in high-voltage nanosecond pulse systems. G. A. Meslats, I. A. Vorob'ev, I. U. Bychkov. Radiotekh. i elektron. 10 no. 4:780-782 Ap '65.

## MICROWAVES—PHYSIOLOGICAL EFFECT

Action of the centimeter-long radio waves on vegetative cells, spores and transforming DNA. V. N. Lyutov, D. A. Frank-Kamenetskii. Biofizika 10 no. 1:105-109 '65

Clinical symptoms of disease and therapeutic measures in chronic exposure to ultrahigh frequency radiation fields. A. M. Kapitanenko. Voen.-med. zhur. no. 10:19-21 '64

Effect of electromagnetic waves of ultrahigh frequency on micro-organisms. P. I. Schastnaia. Trudy Khar. med. inst. no. 36:239-250 '67.

Effect of microwaves on the excitable system in *Paramecia*. A. S. Preman, S. M. Rapoport. Biul. eksp. biol. i med. 59 no. 4:48-52 Ap '65.



## MICROWAVES—PHYSIOLOGICAL EFFECT (Continued)

Mechanism of the changes in the gastric and intestinal absorptive activity under the effect of radiowaves of the centimeter diapason or ultrahigh frequency on the body. V. R. Fainberg-Blank. *Fiziol zhur* 51 no 3 372-377 Mr '65

## MIDDLE EAST see Near East

## MIDDLE URAL ECONOMIC REGION—MACHINERY INDUSTRY—MANAGEMENT

Organizing economic work in machinery plants. V. Pekarevich. *Inform biul VDNKH* no 4 7-10 Ap '65

## MIDDLE VOLGA ECONOMIC REGION—LEATHER INDUSTRY

Introduction of new equipment and advanced technology in the enterprises of the leather and shoe industry of the Middle Volga Economic Council. N. A. Timokhin. V. V. Kluchevskaya. *Biul tekhn.-ekon. inform Gosnauch.-issl. inst. nauch. i tekhn. inform* 18 no 2-13-15 F '65

## MIDDLE VOLGA ECONOMIC REGION—SHOE INDUSTRY

Introduction of new equipment and advanced technology in the enterprises of the leather and shoe industry of the Middle Volga Economic Council. N. A. Timokhin. V. V. Kluchevskaya. *Biul tekhn.-ekon. inform Gosnauch.-issl. inst. nauch. i tekhn. inform* 18 no 2-13-15 F '65

## MIKHAYLOVKA REGION (UKRAINE)—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

Excavations of an ancient site near the village of Mikhaylovka in 1963. B. G. Peters. *Krat. soob. Inst. arkheol.* no 103 119-124 '65

## MILITARISM see subdivision under Germany, West

## MILITARY AERONAUTICS see Aeronautics, Military

## MILITARY ART AND SCIENCE

(see also subdivision under China)

Laws of armed fighting. E. Rybkin. *Komm. Vooruzh. Sil* 46 no 7 85-88 Ap '65

## MILITARY ART AND SCIENCE—TECHNOLOGICAL INNOVATIONS

The ranks of innovators are increasing. V. Drachuk. *Komm. Vooruzh. Sil* 46 no 7 58 Ap '65

## MILITARY ASSISTANCE, AMERICAN see subdivision under Dominican Republic, Germany, West; Vietnam, South

## MILITARY BASES, AMERICAN see subdivision under Okinawa, Venezuela

## MILITARY EDUCATION

(see also subdivision under Astrakhan Province, Kaluga Province; Leningrad, Moscow, Shepetovka, Khmel'nikitskiy Province; Ural Mountain region; Ussuriysk, Uzbekistan)

Against overcautiousness, for initiative. N. Belous. *Komm. Vooruzh. Sil* 46 no 7 55-57 Ap '65

Be vigilant in the Leninist way. A. Kosiukov. *Komm. Vooruzh. Sil* 46 no 7 46-51 Ap '65

Combat traditions live. A. Reznitskiy. *Voen. znan.* 41 no 5 34-35 My '65

Combat traditions live. *Komm. Vooruzh. Sil* 46 no 7: 36-39 Ap '65

Educate young patriots. *Kryl. rod.* 16 no 3 16 Mr '65

Heirs of battle glory. U. Borisov. *Prof.-tekhn. obr.* 22 no 5 17 My '65

Our patriotic duty. A. Getman. *Voen. znan.* 41 no 3: 1-3 Mr '65

Reach every collective. L. Rozov. *Voen. znan.* 41 no 5 31-32 My '65

This friendship should get stronger. V. Noshchyni. *Voen. znan.* 41 no 5 33 My '65

## MILITARY HOSPITALS see Hospitals, Military

## MILITARY JOURNALISM see Journalism, Military

## MILITARY LAW

Decree of the Presidium of the Supreme Soviet of the U.S.S.R. amending and supplementing Secs. 9, 10, and 21 of the Statute on Criminal Responsibility for Military Offenses. *Sov. iust.* 29 no 6 31 Mr '65

Warlike legislation and the organs of justice during the Great Patriotic War. B. A. Viktorov. *Sov. gos. i pravo* 35 no 5 29-35 My '65

## MILITARY LIBRARIES

Armed with Lenin's works. V. Elia. *Bibliotekab.* 42 no 4 10-14 Ap '65

## MILITARY MANEUVERS

Decisiveness. S. Mulyaynov. *Voen. znan.* 41 no 6 12-13 Je '65

## MILITARY MEDICINE see Medicine, Military

## MILITARY PROSECUTORS

Military justice during the Great Patriotic War. A. Gorniy. N. Chistakov. *Sots. zakon* 12 no 5 19-23 My '65

The style of work. B. Plekhanov. *Sots. zakon* 42 no 5 48-49 My '65

## MILITARY RADIO see Radio, Military

## MILK

Milk and man's health. M. Marshak. *Zakup. sel'khoz. prod.* no 3 63-64 Mr '65

Use of the KU-2 cationite for the production of ionite milk. T. S. Nisimman. *Izv. vyz. ucheb. zav., pishch. tekhn.* no 1 85-97 '65

## MILK—ANALYSIS AND EXAMINATION

Effect of chronic stimulation of the afferent nerves of the mammary gland on the synthesis of milk proteins in goats. A. G. Taranenko. *Fiziol zhur* 51 no 3 350-356 Mr '65

## MILK—COMPOSITION

Composition of milk and the quality of milk products as related to the inclusion of sugar beets in rations for dairy cows. Z. P. Rykashyna, E. N. Mal'chevskaya, T. I. Shvedova. *Vestn. AN BSSR. Ser. sel'khoz. nauk.* no 1 112-116 '65

Relation between butterfat and protein in milk in the zootechnical evaluation of cattle. B. M. Benekhtis. *Trudy mol. uch. UASHN* no 9 10-13 '63

## MILK—ECONOMIC ASPECTS see subdivision under Zhitomir Province

## MILK—MICROBIOLOGY

Studying the effect of antibiotics on the change in titrated acidity of milk. D. Murashova and others. *Sbor. stud. rab. VMI* no 3 59-62 '63

## MILK—PRESERVATION

The OOM-1000A refrigerator and purifier of milk. *Inform. biul. VDNKH* no 1 32-33 Ap '65

## MILK—QUALITY CONTROL

Improving quality is one of the potentials for increasing state deliveries of milk. N. Kniazev. *Zakup. sel'khoz. prod.* no 5 17-20 My '64

## MILK—TRANSPORTATION see subdivision under Germany, East

## MILK, CANNED—STERILIZATION

Effect of the vibration of a tin can on the heat exchange during canned food sterilization. A. A. Kisa. *Izv. vyz. ucheb. zav., pishch. tekhn.* no 1 155-157 '65

## MILK, CONDENSED

Change in the quality of sweetened condensed milk during prolonged storage. I. U. Sokolov. *Sbor. stud. rab. VMI* no 3 51-58 '63

## MILK, FERMENTED—MICROBIOLOGY

"Kurunga," a medicinal and dietetic beverage from cow's milk. Z. P. Chuzhova. *Vop. pit.* 23 no 5 58-63 S-O '64

## MILK AS FOOD

Davidov, B. R., and V. P. Sokolovskiy. [Milk and health.] *Moloko i zdorov'e*. Moskva, Meditsina, 1965. 52 p. (Nauchno-popul'naya meditsinskaya literatura)

## MILK SUBSTITUTES AS FEED

(see also subdivision under Riga)

Effectiveness of the use of substitutes for whole milk in rations for calves and young pigs. K. M. Sosnau and others. *Vestn. AN BSSR. Ser. sel'khoz. nauk.* no 1 117-122 '65

## MILK TRADE see subdivision under Leningrad Province; Rostov Province

## MILK VETCH see subdivision under Turkmenistan

## MILKING

Studying the practices of the milkmaid P. M. Smolina in the milking of cows. V. S. Lipina, M. I. Pushkina, Z. V. Larchina. *Sbor. stud. rab. VMI* no 3 33-40 '63

## MILKING MACHINES

Iatsenko, V. A. [Machine milking of cows.] *Mashinnoe doenie korov*. Izd. 2., perer. i dop. Moskva, Kolos, 1964. 245 p. (DNAL)

Use of a rotary pump in heating water and obtaining vacuum for milking units. I. P. Khabarov. *Sbor. stud. rab. VMI* no 3 81-85 '63

## MILKING PARLORS see subdivision under Krasnodar Territory

## MILLEROV (ROSTOV PROVINCE)—GRAIN TRADE

Rushed in the daytime, but idle at night. A. Khizanov. *Zakup. sel'khoz. prod.* no 3 10-10 Mr '65

## MILLET—ANALYSIS

Determining the coloring substances in millet. I. P. Popova. *Izv. vyz. ucheb. zav., pishch. tekhn.* no 2 180-18. '65

## MILLET—FERTILIZERS AND MANURES see subdivision under Ivanovo Province

## MILLET—STORAGE

Characteristics of the mechanical ventilation of millet. M. Golik, I. Rasulev. *Mek. otey. prom.* 31 no 4: 12-13 Ap '65

## MILLING (METALWORK)

Danielian, A. M., ed. [Machining heat resistant steels and alloys and high melting metals.] *Obrabotka rezaniem zharoprochnykh staloi, splavov i tupo-plavkikh metallov*. [By] A. M. Danielian i dr. Moskva, Mashinostroenie, 1965. 300 p.

Losev, S. A. [Multitool milling.] *Mnogoinstrumentnaya obrabotka frezerovaniem*. Moskva, Mashinostroenie, 1965. 121 p.

Machining cylindrical cams with small radii of the profile curvature. I. A. Kuganov, G. M. Shchekin. *Stan. i inst.* 36 no 1 29-30 Ap '65

Zhuravlev, S. A., and A. Sh. Shifrin. [Fundamentals of milling and the cutting conditions.] *Osnovy frezerovaniya i rezaniya rezanij*. Pod red. S. A. Zhuravleva. Moskva, Mashinostroenie, 1964. 150 p. (Biblioteka frezerovshchika, no 1)

## MILLING (METALWORK)—SAFETY MEASURES

Sergeev, M. A. [Organization of the working area of a milling-machine operator and safety measures.] *Organizatsiya rabochego mesta frezerovshchika i tekhnika bezopasnosti*. Pod red. S. A. Zhuravleva. Moskva, Mashinostroenie, 1964. 84 p. (Biblioteka frezerovshchika, no 9)

## MILLING MACHINERY

Choosing efficient structural parameters for high-capacity vibratory mills. A. D. Lezin. *Sbor. stud. VNINSM* no 3 3-28 '60

Dimension of the grinding elements of drum mills. P. M. Sidenko. *Trudy MKIIM* 26:104-101 '61

Elements of the mechanics of planetary mills. A. D. Lezin. *Sbor. stud. VNINSM* no 3 60-72 '60

Enrichment of clay muds using jet mills. Z. D. Denlakin and others. *Barenie* no 12 15-17 '64

High-speed percussive-centrifugal mill. M. L. Morgulis, L. M. Polotskiy, B. K. Tsimov. *Sbor. stud. VNINSM* no 3 29-11 '60

Increasing the longevity of milling media. O. A. Nesvizhskiy. *Stroitel. dor. mash.* 8 no 1 2-25 Ju '63

Internal conditions of the work of drum mills. P. M. Sidenko. *Trudy MKIIM* 26:174-183 '61

Mills for fine grinding of materials. D. N. Silvestrov. *Sbor. stud. VNINSM* no 3 42-50 '60

Preparing and weighting drilling fluids using jet mills. I. P. Pustovoienko. *Barenie* no 12 17-10 '64

## MILLING MACHINES—ATTACHMENTS

Three-spindle milling head. I. P. Ronsanov, A. M. Merem'amin. *Stan. i inst.* 36 no 1 30 Ap '65

## MILLING MACHINES—ELECTRIC DRIVING

Modeling of an optimum control system of a blooming mill drive. S. V. Taroshevich. *Izv. vyz. ucheb. zav., elektromekh.* 8 no 4 474-470 Mr '65

## MILLING MACHINES—NUMERICAL CONTROL

The 640 all-purpose copying milling machine. G. A. Monakhov, I. I. Shtol'. *Biul. tekhn.-ekon. inform. Gosnauch.-issl. inst. nauch. i tekhn. inform.* 18 no 2 35-37 F '65

Analysis of dynamic errors of program controlled milling machines. S. L. Shmutter. *Stan. i inst.* 36 no 4 8-12 Ap '65

Introducing a multiple-purpose copying milling machine with a pantograph. B. I. Shvachkin. *Biul. tekhn.-ekon. inform. Gosnauch.-issl. inst. nauch. i tekhn. inform.* 18 no 3 20-30 Mr '65

## MILLING MACHINES—PARTS

Device for the manufacture of feeder mechanisms. G. P. Sobolev, A. A. Skomorokhov. *Stek. i ker.* 22 no 4 43-44 Ap '65

## MILLIVOLTMETER

A d.c. millivoltmeter. R. Chernyshev. *Radio* no 5 97-80 My '65

## MILOVICH, ALEKSANDR IAKOVLEVICH, 1876-1958

Aleksandr Iakovlevich Milovich; on the 80th anniversary of his birth. G. N. Sizov. *Inzh.-fiz. zhur.* 8 no 3 405-408 Mr '65

## MINARETS see subdivision under Soviet Central Asia

## MIND AND BODY

Principle of structure and the problem of interrelations between psychic and physiological phenomena. R. S. Zlatin. *Fiziol. zhur. [Ukr.]* 9 no 1 22-26 Ja-F '63

## MINE ACCIDENTS

This must not be repeated. L. V. Dmitriyev. Bezop. truda v prom. 9 no 5:7-9 My '65.  
Underground "SOS" call. Zh. Dobrov. Izobr. i rats. no 3:9-10 '65.

## MINE BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Donets Basin; Krivoy Rog Basin)

Simultaneous erection of a headframe and sinking of a vertical shaft using various methods of rock transportation. V. G. Kushmet. Ugol' Ukr. 9 no 1:11-17 Ap '65.

## MINE DRAINAGE

All-Union scientific and technical seminar on the drainage of deep mines. Gor. zhur. no. 1:80 Mr '65.

Some methodological instructions for bringing about and processing the results of experimental pump-out from a well revealing a dual-state medium. V. L. Dmitriyev. Uzb. geol. zhur. 8 no 5:77-75 '64.

Using electric prospecting in mine drainage practice at the Nikolai' deposit. L. S. Grebichenko, IU. V. Nechaev. Gor. zhur. no. 4:58-69 Ap '65.

## MINE DRAINAGE—EQUIPMENT AND SUPPLIES

Protection of mine drainage equipment from water hammer. V. V. Voznesenskiy, B. P. Kurbatov. Ugol' Ukr. 9 no 4:22-23 Ap '65.

## MINE DUSTS

The PVP-V photoelectric dust counter. V. P. Kuz'min. Nauch. soob. Vostnii no. 1:45-49 '61.

## MINE DUSTS—PREVENTION

Air-water streaming in the blasting of boreholes is an effective means of controlling dust. G. E. Panov, D. A. Amunbaev. Bezop. truda v prom. 9 no. 5:41-42 My '65.

Evaluating existing types of sprinklers and selecting the optimal conditions for their operation. E. I. Ontin, V. S. Ivashkin. Nauch. soob. Vostnii no. 1:30-34 '61.

Self-propelled unit for sprinkling excavation stopes. B. S. Dovydyov, A. V. Arkhipov. Gor. zhur. no 5:74 My '65.

## MINE DUSTS—REMOVAL

Whitewashing mine workings. G. N. Kuznetsov, V. K. Chumlin. Bezop. truda v prom. 9 no. 5:42-43 My '65.

## MINE EXPLOSIONS

(see also subdivision under Komi A.S.S.R.)

Creating safe conditions in the making of crosscuts opening up thick seams subject to sudden outbursts of coal and gas. O. I. Chernov, E. S. Rozantsev. Nauch. soob. Vostnii no. 1:14-20 '61.

## MINE EXPLOSIONS—SAFETY MEASURES

Determination of gas liberation from each borehole as a method of establishing the danger of seams toward sudden outbursts of coal and gas. O. I. Chernov. Nauch. soob. Vostnii no. 1:21-29 '61.

## MINE GASES

(see also subdivision under Donets Basin)

Determination of gas liberation from each borehole as a method of establishing the danger of seams toward sudden outbursts of coal and gas. O. I. Chernov. Nauch. soob. Vostnii no. 1:21-29 '61.

Effect of wetting on gas liberation from coal. O. I. Chernov, V. N. Puryev. Ugol' 40 no 4:62-66 Ap '65.

Making the directions more precise for measuring methane in mines. P. I. Kokorin, N. M. Kosolov, V. T. Mal'tsev. Bezop. truda v prom. 9 no. 5:17-18 My '65.

Methane liberation during the operation of narrow-cut K-52m complexes in a high gas content seam. S. N. Osipov, E. I. Rzhavskiy, A. M. Grigoriyev. Ugol' Ukr. 9 no. 1:40-50 Ap '65.

Methods of controlling gas liberation in the space near the face. V. A. Boiko, B. E. Gretsinger. Ugol' Ukr. 9 no. 4:50-52 Ap '65.

Reversal of air flow is one of the causes of mine accidents. A. M. Kapov, M. A. Patushev. Bezop. truda v prom. 9 no. 5:37-41 My '65.

Ventilation of development workings after blasting operations. V. N. Satorov. Nauch. soob. Vostnii no. 1:9-13 '61.

## MINE GASES—SAFETY MEASURES

Accident at Mine No. 26. V. K. Grekov, T. V. Bregadze. Bezop. truda v prom. 9 no. 4:10-12 Ap '65.

## MINE HAULAGE

(see also subdivision under Germany, East; Kuznetsk Basin)

Choosing efficient parameters of loading and transportation equipment for strip mines. K. E. Vinitskiy, E. I. Reentovich. Izv. vyz. ucheb. zav. i gor. zhur. 8 no. 2 93-90 '65.

Economic evaluation of strip mine truck haulage taking into account the time factor. L. A. Sorokin, V. A. Khokhrakov. Gor. zhur. no. 5:7-11 My '65.

Improvement of scraper haulage. D. S. Kutuzov, I. A. Babich. Gor. zhur. no. 5:25-27 My '65.

Making 2,571 meters of lateral haulage drift in 31 working days. V. D. Nikitin and others. Shkhit strol. 9 no 4:15-17 Ap '65.

Making 330 meters of a two-lane haulage drift in one month. I. N. Iakovenko. Ugol' Ukr. 9 no 4:36-38 Ap '65.

Moscow. Institut radioelektroniki i gornoi elektromekhaniki. [Technology and overall mechanization of the open pit mining of coal, ore, and nonmetallic minerals].

Tekhnologiya i kompleksnaya mekhanizatsiya otkrytoi dobychi uгля, rud i nerudnykh iskopayemykh. Moskva, Pt. 1. [Technological processes] Tekhnologicheskie protsessy.

No. 1. [Objectives in mining operations, principles of the technology and economics of strip mining] Ob'ekty gornykh rabot, osnovy tekhnologii i ekonomiki otkrytykh razrabotok. [By] V. V. Razhevskiy, I. N. D. Zolotarev, 1964. 110 p.  
No. 5. [Relocation of strip mine rock piles] Beremeshechno krai'ernykh gruzov. [By] V. V. Razhevskiy, S. A. Il'in i V. I. Gant'skii. 1964. 227 p.

## [MICROFILMS]

Results of the experimental testing of the SP-53 scraper conveyors. N. S. Polakov and others. Ugol' 40 no 4:53-56 Ap '65.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniю. [Regulation on the planning preventive maintenance of equipment and the means of transportation in the coal and mining industries] Polozhenie o planovoy-predupreditel'nom remonte oborudovaniya i transportnykh sredstv ugol'noi i gornorudnoi promyshlennosti. Stereotipnoe izd. Moskva, Nedra, 1965. 119 p.

Scraper haulage of coal in the making of cross cuts and cross holes. A. G. Doroshenko, IU. F. Savenko, A. A. Danilov. Ugol' 40 no 4:56-58 Ap '65.

Simultaneous erection of a headframe and sinking of a vertical shaft using various methods of rock transportation. V. G. Kushmet. Ugol' Ukr. 9 no. 4:41-47 Ap '65.

Ways of increasing labor productivity in the haulage of hard lump ore. IU. I. Chirkov, A. A. Makeev, I. A. Kuchelavenko. Met. i gornorud. prom. no. 2:56-58 Mr-Apr '65.

## MINE HAULAGE—EQUIPMENT AND SUPPLIES

Efficient conditions for using sliding ramps. V. G. Selin, G. L. Pchelkin, V. A. Napadailo. Gor. zhur. no. 4:21-22 Ap '65.

New design traction chains. A. I. Latysh. Ugol' Ukr. 9 no 5:32 My '65.

## MINE HOISTING

Assembly of hoisting machinery. IU. A. Plakshin. Shkhit strol. 9 no 4:26-27 Ap '65.

Assembly of the equipment of a skip shaft complex. B. F. Negutsin. Ugol' Ukr. 9 no. 4:47-48 Ap '65.

## MINE HOISTING—EQUIPMENT AND SUPPLIES

Shifting machines in the design and construction of mine hoisting equipment. A. T. Polianskiy. Bezop. truda v prom. 9 no. 5:3-5 My '65.

## MINE HOISTING—SAFETY MEASURES

Pay more attention to mine shafts and mine hoisting. G. P. Ivanchenko, B. I. Isacov. Bezop. truda v prom. 9 no 4:37-49 Ap '65.

## MINE HOISTING—TABLES, CALCULATIONS, ETC.

Elanchik, G. M., and E. A. Pikhoditsa. [Stationary mine equipment; Calculations of mine hoisting equipment] Shkhitnye statsonarnyye ustanovki; Raschet shkhitnykh pod'emnykh ustanovok. Moskva, Mosk. inst. radioelektroniki i gornoi elektromekhaniki, 1964. 261 p.

## [MICROFILM]

## MINE PUMPS

Starting centrifugal pumps without priming. V. V. Voznesenskiy, E. E. Khutorianskiy, E. I. Avdonin. Ugol' 40 no. 4:76 Ap '65.

## MINE RAILROADS

Hopper train with bottom unloading. K. K. Kuznetsov and others. Gor. zhur. no. 4:75 Ap '65.

Lifting cranes for electric locomotives in mines. D. G. Pushkar', V. G. Iakushev. Ugol' Ukr. 9 no. 4:39-39 Ap '65.

Use of movable crossing tracks in drifting. A. I. Sokolov. Ugol' Ukr. 9 no 5:40-41 My '65.

## MINE RAILROADS—BRAKES

Safety brake pedal on electric locomotives. S. G. Etobin. Bezop. truda v prom. 9 no. 4:40-50 Ap '65.

## MINE RAILROADS—TIES

Reinforced concrete mine ties designed by the Moscow Region Scientific Research and Design and Planning Coal Institute. G. N. Romanchenko. Ugol' 40 no 4:76 Ap '65.

## MINE ROOF BOLTING

Effect of the tightening of anchors and the type of supports on the stability of an anchored roof. V. N. Skuba, A. F. Chebotayev. Ugol' 40 no 4:34-37 Ap '65.

Extractor for determining the strength of anchoring of reinforced concrete rods. V. K. Chukan, M. P. Myshayev, V. N. Kuzin. Gor. zhur. no 5:72 My '65.

## MINE ROOF BOLTING—TESTING

Bearing capacity of rod bolting made of pressed wood. A. G. Rukhimenko, B. P. Korolev. Ugol' Ukr. 9 no 5:26-22 My '65.

## MINE SAFETY

Causes of traumatism during the use of mining systems with mass casting of ore and ways of eliminating them. D. I. Fushishenko. Bezop. truda v prom. 9 no. 5:18-21 My '65.

The correct organization of the assignment system in mines is the guarantee of safe work. A. G. Lunov. Ugol' Ukr. 9 no. 5:40-50 My '65.

## MINE SAFETY—CONGRESSES

At the enlarged conference of the Committee of State Inspection on Safety in Mining of the U.S.S.R. Bezop. truda v prom. 9 no 5:57-59 My '65.

## MINE SURVEYING

Permissible difference in double measurements of the length in underground traverses. P. A. Morchenko. Ugol' 10 no. 4:66-67 Ap '65.

Size of the angles of fracture in ore deposits. A. F. Smirnov. Gor. zhur. no. 3:61-65 Mr '65.

## MINE SURVEYING—EQUIPMENT AND SUPPLIES

Using the TEO 6.1 hanging theodolite. V. A. Mosunov. Gor. zhur. no 5:56-57 My '65.

## MINE TIMBERING

(see also subdivision under Donets Basin)

Caving of the roof without battery stulls in flat seam longwall. A. M. Naidyash, A. M. Novitskiy. Ugol' Ukr. 9 no 4:10-11 Ap '65.

Influence of overlying seam pressure on the timbering in major workings of deep mines. IU. M. Basinskiy. Ugol' Ukr. 9 no 4:7-10 Ap '65.

Method of determining the pressure of rock on supports. I. A. Aitemenko, K. D. Beichenko. Gor. zhur. no 5:75 My '65.

Working thin deposits at the Il'ch mine. V. N. Zinov'ev, G. S. Zymalev, I. V. Iekrenko. Gor. zhur. no. 4:23-26 Ap '65.

## MINE TIMBERING—TESTING

Testing supports of double-groove sections and pliable frames. I. P. Udovenko, A. F. Skobkin, V. A. Lysakovskiy. Gor. zhur. no 4:30-32 Ap '65.

## MINE VENTILATION

(see also subdivision under Krivoy Rog Basin)

Akademiya nauk SSSR. Sibirskoe otdelenie, Institut merzlotovedeniya. [Thermal and mechanical processes in mining minerals; mining operations in a mass of frozen ground] Toploye i mekhanicheskie protsessy pri razrabotke poleznykh iskopayemykh, gornye raboty v massive merzlykh porod. Moskva, Nauka, 1965. 266 p.

The ATB-1 thermoelectric anemometer for measuring low velocities of air in a mine. V. M. Maevskaya, A. D. Morozov, A. A. Sviridonov. Nauch. soob. Vostnii no. 1:63-67 '61.

Calculating the quantity of air flowing through workings divided by a longitudinal partition. A. M. Fedorov. Shkhit strol. 9 no. 4:13-15 Ap '65.

Effect of the size of the overall mine depression on the spontaneous combustion of coal. L. P. Tomashevskiy. Ugol' 40 no. 1:18-21 Ap '65.

Improvement of working conditions in strip mines. I. A. Z. Bukhman and others. Bezop. truda v prom. 9 no 4:16-16 Ap '65.

Mine depressions and grouping of seams. B. S. Lokshin, IU. N. Babais. Ugol' 40 no. 4:24-25 Ap '65.

Nature of transient gas dynamics phenomena in mine sections of the Donets Basin. O. I. Kasimov, I. N. Popov, A. I. Babrov. Ugol' Ukr. 9 no. 5:46-48 My '65.

Potentials of mine ventilation. E. I. Shkula, S. I. Lugovskiy, I. B. Oshmanskiy. Gor. zhur. no. 3:26-30 Mr '65.

Size of the maximum permissible overall mine depression. V. S. Pak and others. Ugol' 40 no. 4:22-23 Ap '65.

Ventilation of scraper levels at the mine of the 40th Anniversary of the All-Union Lenin's Young Communist League. A. T. Rykov, S. M. Fabrichnov, A. V. Kokov. Gor. zhur. no 5:65-69 My '65.

## MINE VENTILATION—COLD WEATHER CONDITIONS

(see subdivision under Ural Mountains)

## MINE VENTILATION—EQUIPMENT AND SUPPLIES

Results of testing the powerful VRT-4.5 mine fan. A. F. Khivrenko, I. A. Raskin. Gor. zhur. no. 3:52-54 Mr '65.

Selection of fans in the changing of a mine from a forced to a forced and exhaust method of ventilation. N. S. Komkov. Nauch. soob. Vostnii no. 1:3-8 '61.

## MINE VENTILATION—SAFETY MEASURES

Reversal of air flow is one of the causes of mine accidents. A. M. Karpov, M. A. Patushev, *Razp. truda v prom.* 9 no. 5 37-41 My '65.

Ventilation of development workings after blasting operations. V. N. Satarov. *Nauch. soob. VostNI* no. 19-13 '61.

## MINE VENTILATION—TABLES, CALCULATIONS, ETC.

Mathematical description of steady air distribution processes in mine ventilation systems. A. A. Volkov, A. G. Fyodorov. *Izv. vuz. ucheb. zav., gor. zhur.* 8 no. 2 136-143 '65.

## MINE WATER—PURIFICATION

Cleaning contaminated water from mechanical admixtures in a hydrocyclone. A. I. Borokhov, F. S. Vseslovskaya. *Gor. zhur.* no. 3 74-75 Mr '65.

## MINE WATER—SAFETY MEASURES

(see also subdivision under Kuznetsk Basin)

Waterproofing mine shafts in the western Donets Basin. G. I. Vagin, N. T. Logachev. *Shakht. stroit.* 9 no. 4: 20-23 Ap '65.

## MINERAL INDUSTRIES—STATISTICS

Production of the metallurgical and mining industries in million tons for 1964. *Met. i gornorud. prom.* no. 2: 88 Mr-Apr '65.

## MINERAL WATERS

(see also subdivision under Kuznetsk Basin; Tskhaltubo)

Long-term use of mineralized ground waters for leaching and vegetative irrigation. S. Mikhaitov. *Sov. nauch. rab. asp. SoudzNIKH* no. 5 312-320 '64.

A valuable work, "Mineral waters" by A. M. Ovchinnikov. Reviewed by A. I. Ferel'man. *Tritoda* 54 no. 4:104 Ap '65.

## MINERAL WATERS—ANALYSIS

Using the methods of the mass sampling of deep hydrochemical holes for deciphering the structure of mineral water deposits. G. S. Vartanian. *Biul. MOIP. Old. geol.* 40 no. 2 140-143 Mr-Apr '65.

## MINERAL WATERS—THERAPEUTIC USE

Pislegin, A. K. [Effect of mineral waters on the human body]. *Vilaniye mineral'nykh vod na organizm cheloveka*. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1964. 63 p. [DNLM MICROFILM]

## MINERAL WAX see Ozocerite

## MINERAL WOOL

Matiukhin, A. N. [Safety manual for cupola furnace operators at enterprises manufacturing mineral wool]. *Pamiatka po tekhnike bezopasnosti dlia vragranishchika na predpriyatiakh po proizvodstvu mineral'noi vaty*. Moskva, Stroizdat, 1965. 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

Matiukhin, A. N. [Safety manual for operators of blowers of mineral wool insulation]. *Pamiatka po tekhnike bezopasnosti dlia operatora uzla razduva rasplava mineral'noi vaty*. Moskva, Stroizdat, 1965. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

## MINERALOGICAL CHEMISTRY

Nonequivalence of bivalent magnesium and iron in the formation of olivines from silicate melts. G. A. Rashina. *Zap. Vses. min. ob-va* 94 no. 2:164-179 '65.

region, Kazakhstan;

logical  
V. I.

First find of norsetite in the U. S. S. R. I. U. L. Kapustin. *Dokl. AN SSSR* 161 no. 4:922-924 Ap '65.

New mineral "borcaite." N. N. Pertsev, I. V. Ostrovskaya, I. B. Nikitina. *Zap. Vses. min. ob-va* 94 no. 2: 180-185 '65.

New mineral "tinacite" Na<sub>2</sub>K<sub>2</sub>Ca<sub>2</sub>TiSi<sub>2</sub>O<sub>10</sub>(OH) I. U. G. Rogov and others. *Dokl. AN SSSR* 162 no. 3 658-661 My '65.

New minerals. Part 10. E. M. Bonstedt-Kupletskaya. *Zap. Vses. min. ob-va* 94 no. 2 187-202 '65.

Reaction of stauveite and accompanying minerals with oleic acid. I. N. Plavskiy, V. I. Solov'yev, I. A. Shadov. *Dokl. AN SSSR* 162 no. 4 879-882 Je '65.

Two stages of metasomatic mineral formation. V. G. Bogolenov. *Zap. Vses. min. ob-va* 94 no. 2:149-163 '65.

Vsesoluzhnoye mineralogicheskoe obshchestvo. *Ukrainskoe otdeleniye*. [Morphology, properties, and genesis of minerals]. *Morfologiya, svoystva i genezis mineralov*. Kiev, Naukova dumka, 1965. 186 p.

## MINERALS—ELECTRIC PROPERTIES

Effect of certain factors on the amount of electric charging of minerals obtained in a corona discharge electric field. V. I. Karmazin, A. A. Bebeshe, V. N. Karaseva. *TSvet. met.* 38 no. 4:17-20 Ap '65.

## MINERALS—THERMOELECTRIC PROPERTIES

Nature of thermoelectric effect in minerals. G. V. Volkovich, V. G. Frokhorov, I. A. Khairtdinov. *Dokl. AN SSSR* 162 no. 1:169-172 My '65.

## MINERALS IN FOOD

Content of some trace elements in semi-processed sea kale. I. A. Kadanev. *Vop. pit.* 23 no. 5:60 S-O '61.

Copper and iron content in children's diet in a Pioneer camp and their blood picture. L. B. Pavlova. *Vop. pit.* 23 no. 5:77-78 S-O '64.

Use of zapropel and trace elements in scientific experiments on the "Udarnik" State Farm. F. A. Solov'yev, A. P. Kosenkov, N. N. Timofeev. *Khim. i sel. khoz.* 3 no. 3 71-72 Mr '65.

Zinc and iron content in the food served in Tamsk children's institutions. A. I. Voinova, N. A. Bol'shinnina. *Vop. pit.* 23 no. 5:78-79 S-O '64.

## MINERALS IN PLANTS

Ash elements and the productivity of field crops. V. E. Besmertnyy, V. S. Burdygina. *Izv. AN Turk. SSR, Ser. biol. nauk* no. 2:39-44 '65.

Available magnesium and its distribution in the various organs of plants. M. M. Mazaeva. *Agrokhimia* no. 1: 73-79 Ja '65.

Characteristics of the dynamics of manganese, cobalt, copper, zinc, and molybdenum in the system soil-plant. D. D'eri, N. G. Zyrin. *Agrokhimia* no. 2:87-97 F '65.

Determining the total potassium, sodium, and lithium in plant tissues without combustion. I. A. Gavva, A. M. Zin'kovich, I. A. Palianitsa. *Agrokhimia* no. 4 116-117 Ap '65.

Dynamics of the content of manganese in soils and plants. P. A. Vlasov, M. N. Karas'. *Agrokhimia* no. 1:80-88 Ja '65.

## MINERALS IN SOIL

(see also subdivision under Ural'sk Province)

Assimilation by plants of absorbed bases as related to their composition in soil. M. S. Zinukov. *Agrokhimia* no. 2:76-80 F '65.

Characteristics of the dynamics of manganese, cobalt, copper, zinc, and molybdenum in the system soil-plant. D. D'eri, N. G. Zyrin. *Agrokhimia* no. 2:87-97 F '65.

Study of the interaction between minerals and polymers by infrared spectroscopy method. L. Kh. Taimurazova, L. A. Ignat'eva. *Vest. Mosk. un. Ser. 6: Biol., pochv.* 20 no. 2 81-86 Mr-Apr '65.

## MINERALS IN SOIL—CONGRESSES

Problems of soil mineralogy at the 8th International Congress of Soil Scientists. N. I. Gorbunov, T. A. Iarova, L. I. Reintam. *Pochvovedenie* no. 5:101-106 My '65.

## MINERALS IN THE BODY

Calcium and phosphorus content of the bile of young pigs in health and in catarrhal gastroenteritis. V. S. Kozachok. *Trudy mol. uch. UASHN* no. 9:45-49 '63.

Change in the mineral components of the blood serum under the effect of splenectomy and parathyroidectomy. V. P. Komisar'enko, M. N. Levchenko, O. S. Klymenko. *Fiziol. zhur. [Ukr.]* 9 no. 1:6-12 Ja-F '63.

## MINERS see subdivision under Lenger (Kazakhstan)

## MINERS—AGING

Arterial pressure in miners of the retirement age. A. M. Alekseyanova. *Vop. geront. i geriat.* 4:80-82 '65.

## MINERS—EDUCATION AND TRAINING

Educational council at a mine. V. Koval'chuk. *Prof. -tekh. obr.* 22 no. 2:27 F '65.

## MINES AND MINERAL RESOURCES

Useful minerals are our wealth. F. Shatilov. *Parl. zhizn'* no. 11:15-20 Je '65.

## MINGRELIA—WATER, UNDERGROUND

Karst waters of Mingrelia. I. A. Vlachimirov. *Tindy. Giog. ob-va Gur. SSR* 7 159-160 '63.

## MININ, KUZMA, d. 1016

Kuzma Minin, new materials for his biography. I. A. Kuznetsov. *Ist. SSSR* 9 no. 1:141-146 Ja-F '65.

## MINING ENGINEERING

(see also subdivision under Caucasus, Krivoy Rog Basin, Sokolovka-Sarbay region, Kustanay Province)

Akademika nauk SSSR. *Sibirskoe otdeleniye. Institut merzlovedeniya*. [Thermal and mechanical processes in mining minerals, mining operations in a mass of frozen ground]. *Poizvozye i mekhanicheskie protsessy pri razrabotke poleznykh iskopaemykh; gornye raboty v massive merzlykh porod*. Moskva, Nauka, 1965. 206 p.

Application of pulse methods for the approximate analysis of differential equations with a delayed argument. L. A. Sholkhet. *Dop. AN URSSR* no. 5 608-610 '65.

Cartridge in a protective casing for use in the caving of roofs in stopes of mines subject to gas and dust. V. I. Chikunov. *Nauch. soob. VostNI* no. 1 74-80 '61.

Improving the structural elements of mining systems. G. I. Pepelev, S. I. Nepomnashchik. *Gor. zhur.* no. 4: 67-68 Ap '65.

Instructive example of Zyrinovsky mine. M. Kuznetsov. *Inform. biul. VDNKH* no. 1:13 Ap '65.

On breaching by horizontal, fan-pattern holes at apatite mines. V. F. Abramov, D. I. Polyshenko, V. V. Gushchin. *Gor. zhur.* no. 5:18-21 My '65.

Utilization of underground working in strip mines. B. P. Bogolubov, I. U. P. Astaf'ev. *Gor. zhur.* no. 3:14-19 Mr '65.

## MINING ENGINEERING—ABSTRACTS

[Mining]. *Ref. zhur. Gor. delo* no. 5 My '65.

## MINING ENGINEERING—COLD WEATHER CONDITIONS

(see subdivision under Sokolovka-Sarbay region [Kustanay Province])

## MINING ENGINEERING—CONGRESSES

Agoshkov, M. I. and others. [Establishing standards for labor expenditures depending on the width of the stopping area in mining thin seams, report at the conference on problems of finding efficient methods of mining lode deposits held in Irkutsk, June 4-6, 1963]. *Normirovaniye trudovykh zatrat v zavisimosti ot shiriny otklastnogo prostanstva pri razrabotke tonkikh zhit*; doklad na soveshchaniy po voprosam izyskaniya effektivnykh sposobov razrabotki zhit'nykh mestorozhdeniy v g. Irkutsk (4-6 Iunya 1963 g.). Moskva, Int. gornogo dela im. A. A. Skochinskogo, 1963. 15 p. [MICROFILM]

## MINING ENGINEERING—LABOR PRODUCTIVITY

(see also subdivision under Krivoy Rog Basin)

Growth of labor productivity in mining enterprises of the "Ogneopromerud" Trust. M. D. Onishchuk. *Met. i gornorud. prom.* no. 2:56-59 Mr-Apr '65.

## MINING ENGINEERING—MANAGEMENT

(see also subdivision under Ural Mountains)

Russia (1923- U. S. S. R.). *Gosudarstvennyi komitet po avtomatizatsii i mashinostroyeniya*. [Regulation on the planned preventive maintenance of equipment and the means of transportation in the coal and mining industries]. *Polozheniye o planovoy-predupreditel'nom remonte oborudovaniya i transportnykh sredstv ugol'noi i gornorudnoi promyshlennosti*. Stenodolpnoe izd. Moskva, Nedra, 1965. 119 p.

## MINING ENGINEERING—SAFETY MEASURES

(see also subdivision under Kirovsk)

Creating safe conditions in the making of crosscuts opening up thick seams subject to sudden outbursts of coal and gas. O. I. Chornov, E. S. Rozantsev. *Nauch. soob. VostNI* no. 1 14-20 '61.

## MINING ENGINEERING—STUDY AND TEACHING

Mining machine operators and anticipatory planning. V. Popov. *Prof. -tekh. obr.* 22 no. 6:68-9 My '65.

Technical progress dictation. I. Kryzhiko, I. Fedorenko. *Prof. -tekh. obr.* 22 no. 6:6-7 My '65.

## MINING ENGINEERING—WATER SUPPLY

Results of the introduction of reducing valves. L. T. Shupevalov, A. F. Shvydkii. *Gor. zhur.* no. 5:42-44 My '65.

## MINING GEOLOGY

Approximate estimate of the strength of rock by the depth of deposition and metamorphism. B. P. Ovcharenko, M. P. Shamayeva, A. I. Komarov. *Ugol' Ukr.* 9 no. 4 11-13 Mr '65.

Method of utilizing geological sections in the investigation of open pit mining work procedures with the use of electronic computers. I. B. Tabakman. *Izv. vuz. ucheb. zav., gor. zhur.* 8 no. 2:48-52 '65.

Studying the looseness of rock by the seismoelectric method. V. N. Sirenko, O. P. Akobashvili. *Gor. zhur.* no. 5:17-19 My '65.

## MINING INDUSTRY—FINANCE

Determining the economic loss resulting from ore depletion. O. D. Karbelashvili. *Sov. AN Gruz. SSR* 28 no. 5:567-573 My '62

## MINING MACHINERY

Advantage of using underground crushers and selecting their standard dimensions. I. G. Alekseevskii. *Gor. zhur.* no. 4:10-12 Ap '65

Bolan'ki, D. M. [Main conveyors] *Magistral'nye konveiyery*. Moskva, Nedra, 1965, 220 p.

Introducing the KS-DM/6, 2 set of mining equipment. B. I. Shavkun. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 3:18 Mr '65.

Moscow. Institut radioelektroniki i gornoj elektromekhaniki. [Technology and overall mechanization of the open pit mining of coal, ore, and nonmetallic minerals] *Tekhnologiya i kompleksnaya mekhanizatsiya otkrytoi dobychi uglya, rud i nerudnykh iskopayemykh*. Moskva, Pt. 1 [Technological processes] Tekhnologicheskie protsessy.

No. 1. [Objectives in mining operations, principles of the technology and economics of strip mining] *Ob'ekty gornykh rabot, osnovy tekhnologii i ekonomiki otkrytykh razrabotok*. [By] V. V. Ruzhetskii i N. D. Zolotarev. 1964, 110 p.

No. 5. [Relocation of strip mine rock piles] *Peremeshchenie kar'ernykh gruzov*. [By] V. V. Ruzhetskii, S. A. Il'in i V. I. Ganitskii. 1964, 227 p.

### [MICROFILMS]

Muzin, V. A., and I. A. Tsaitlin. [Pneumatic equipment in mines] *Ruchnye pnevmaticheskie ustanovki*. Moskva, Nedra, 1965, 315 p.

Ore drawing with vibration hauling and loading equipment. V. N. Ylasov, A. G. Trofimovich, R. Kh. Gabitov. *Gor. zhur.* no. 3:23-26 Mr '65.

Shaft sinking in the Krivoy Rog Basin with the help of KS-2m complexes. R. G. Moldukovich. *Gor. zhur.* no. 5:28-30 My '65.

Use electronic computers for the determination of parameters of a transportation and dumping system in mining. V. S. Eskin. *Izv. vuz. ucheb. zav., gor. zhur.* 8 no. 2:108-109 '65.

Using self-propelled equipment in mines of the Novomoskovsk Gypsum Combine. E. M. L'ampol'skii, F. F. Machul'skii, S. S. Muzgin. *Gor. zhur.* no. 4:6-10 Ap '65.

## MINING MACHINERY—ABSTRACTS

[Mining machinery] *Ref. zhur. Gor. mash.* no. 6 Je '65.

## MINING MACHINERY—DESIGN AND CONSTRUCTION

[Calculating the efficiency of mining cutter-loaders; methods of calculation] *Raschet protivoditel'nosti gornykh kombainov, metodika rascheta*. Moskva, Nedra, 1965, 66 p.

## MINING MACHINERY—MAINTENANCE AND REPAIR

Mechanization of build-up welding and welding operations at a mining enterprise. A. I. Ushakov. *Svaz. proizvod.* no. 3:32 Mr '65.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroyeniю. [Regulation on the planned preventive maintenance of equipment and the means of transportation in the coal and mining industries] *Polozhenie o planovno-predupreditel'nom remonte oborudovaniia i transportnykh sredstv ugod'noi i gornorudnoi promyshlennosti*. Stereotipnoe izd. Moskva, Nedra, 1965, 110 p.

## MINING MACHINERY—TESTING

Investigating mounted rippers in phosphorus deposits. V. A. Degl'at'ev, M. I. Rostalskii. *Gor. zhur.* no. 3: 15-17 My '65.

## MINING RESEARCH

Alt-Ural inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy. *Gor. zhur.* no. 3:78 Mr '65.

## MINK FARMING see Subdivision under Karelia

## MINKS

Diurnal activity of minks of various genotypes and their reaction to photoperiodic conditions. D. V. Klochkov. *Biul. MOIP, Otd. biol.* 70 no. 2:106-112 Mr-Apr '65.

## MINKS—DISEASES AND PESTS

Morphology of spontaneous toxoplasmosis of minks. B. K. Besprozvannyi and others. *Arkh. pat.* 27 no. 2:72-78 '65.

## MINOR PLANETS see Planets, Minor

## MINORITIES

Courses for the representatives of minority districts. E. Kuzakova. *Nat. obr.* no. 5:123-125 My '65.

Garlaev, S. M. [Friendship among peoples as a powerful source of the development of the Yakut A.S.S.R.] *Druzha narodov - mogushchii istochnik razsveta i kuit-skoi ASSR*. Yakutsk, Yakutskoe knizhnoe izd-vo, 1964, 120 p. (CSH-H)

## MINSK—AUXILIARY POLICE

The auxiliary police and duty periods. I. Kryzhanovskii. *Part. zhizn'* 11:51-53 Je '65

## MINSK—DEPARTMENT STORES

Precast-monolithic structural elements in the multistory department store in Minsk. B. N. Zavadivker. *Bel. i zhe. i bel.* 9 no. 6:241-245 Je '63

## MINSK—PRECAST CONCRETE CONSTRUCTION

Precast-monolithic structural elements in the multistory department store in Minsk. B. N. Zavadivker. *Bel. i zhe. i bel.* 9 no. 6:241-245 Je '63

## MINSK—TRACTOR INDUSTRY—ACCOUNTING

Improve the accounting for output. E. Beskovaynina. *Rukh. uch. i bel.* 22 no. 3:52-55 Mr '65.

## MINSK REGION—TREES

Transpiration of the year-old shoots of woody plants during the cold period in the year. M. D. Nestalarovich, B. S. Alker. *Vestn. AN BSSR Ser. biol. nauch.* no. 1: 5-10 '65.

## MINT (BOTANY)

Potentials for the increase of mint crops. N. M. Zhadenov. *Maslozhir. prom.* 31 no. 2:22-24 F '65.

## MINUSINSK BASIN—GEOLOGY

Geology of the Kongorav explosive pipe in the North Minusinsk Lowland. A. V. Kriukov. *Trudy SNIIGGIMS* no. 35:190-202 '61.

## MINUSINSK BASIN—SIDERITE

Sedimentary, diagenetic, and pseudo-hydrothermal siderites of the Minusinsk coal basin. V. M. Krymskii. *Trudy SNIIGGIMS* no. 35:203-209 '61

## MIR-KASIMOV, MIR-ASADULIA, 1883-1958

Akademik nauch. Azerbaidzhan'skoi SSR, Baku, *Fundamental'naya biblioteka*, [M. A. Mir-Kasimov, 1883-1958; a bibliography] M. A. Mir-Kasimov, 1883-1958, bibliografiya. Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR, 1964, 40 p. (Delateli nauki i kul'tury Azerbaidzhana)

## MIRNYI STATION REGION, ANTARCTICA—PHYSICAL GEOGRAPHY

Structure of the relief under the ice in the Mirny region. P. A. Sirov, A. I. Polov, V. B. TSukernik. *Inform. biul. Sov. antark. eksp.* no. 49:24-28 '64.

## MISCONDUCT IN OFFICE

[see also subdivision under Ukraine]

Certain problems of the judicial practice related to criminal offenses of officials. V. Solov'ov. *Sov. just.* 28 no. 12:9-11 Je '64.

Distinguishing between larceny and abuse of official position. S. Tatarukhina, A. Svetlov. *Sots. zakon* 42 no. 5:65-69 My '65.

## MISSIONS—EDUCATIONAL WORK see Subdivision under China

## MITES see Subdivision under Azerbaijan

## MITES AS CARRIERS OF DISEASE

[see also subdivision under Nakhichevan A.S.S.R.] Chicken mite *Dermanyssus galliniae* as a carrier of the virus of Newcastle disease. V. I. Rotov and others. *Vop. vet. virus.* 1:397-400 '64

## MITOCHONDRIA

Characteristics of the ultrastructure of tubular mitochondria in the neuropil of the forebrain in a turtle. T. V. Davydova. *Dokl. AN SSSR* 182 no. 3: 675-677 My '65

Data of a histomorphological study of the liver in rats of various ages under the combined effect of carbon tetrachloride and hepatocytotoxic mitochondrial serum. S. A. Korol', G. A. Rodionov. *Pat. fiziol. i eksp. terap.* 9 no. 2:54-58 Mr-Apr '65.

Effect of sodium deoxycholate and trypsin on the mitochondria of the gray and white substances of the brain in rabbits. G. P. Guldova. *Biul. eksp. biol. i med.* 58 no. 4:42-45 Ap '65.

Effect of 2,4-D on the oxidative phosphorylation of mitochondria isolated from plants of different taxonomic groups. N. Y. Iakushkina, T. V. Likholat. *Dokl. AN SSSR* 181 no. 4:975-977 Ap '65.

Electron microscopy of mitochondria suspended in various media. I. Hradil, K. Lejsek, E. Matejkova. *Biofizika* 10 no. 1:171-173 '65.

Structure of the membranes of mitochondria. V. F. Mahanskii. *Tsitologiya* 4 no. 5:555-558 S-O '62.

## MITRAL VALVE—SURGERY

Anatomical characteristics of the mitral valve at late periods following commissurotomy. G. A. Cherkareva. *Arkh. pat.* 27 no. 4:3-9 '65.

Late hemodynamic changes following mitral commissurotomy. S. A. Giffarevskii, S. G. Molosov, S. O. Androsova. *Sov. med.* 28 no. 1:31-35 Ja '65.

## MITSKEVICH, KONSTANTIN MIKHAILOVICH, 1882-1956

Luzhansk, Maksim, pseud. [Iakub Kolas rebates] *Iakub Kolas raskazyval*. Moskva, Sovetskii pisatel', 1964, 387 p. (MH)

## MIXING MACHINERY

Design and calculation of hydraulic mixers. I. N. Reznichenko, I. I. Bchukh. *Bum. no.* 4:34-37 '64

Studying the gravity mixer for free-flowing materials. B. M. Lomakin, A. M. Lastovisev. *Trudy MKIFM* 26: 182-199 '64.

## MIXING MACHINERY—DESIGN AND CONSTRUCTION

New design of mixer for the sintering of charge components. A. M. Stepanenko. *Met. i gornorud. prom.* no. 2: 74 Mr-Apr '65.

## MODERN GEOMETRY see Geometry, Modern

## MODULAR COORDINATION (ARCHITECTURE) see Subdivision under Soviet Central Asia

## MODULATION (ELECTRONICS)

Choice of modulation in the transmission of binary signals in the optical band. V. L. Stefanov. *Radiotekhn. i elektron.* 10 no. 5:852-850 My '65

## MOSSBAUER EFFECT

Mossbauer effect in alkali ferrosilicate glasses. A. A. Belustin and others. *Fiz. tver. tela* 7 no. 5:1447-1451 My '65

## MOGADISHU, SOMALIA—ANCHORAGE

Some characteristics of anchorage in the roadstead of the port of Mogadishu. A. Vaseiko. *Mor. flot* 25 no. 5:26-28 My '65

## MOGILEV PROVINCE—LEPTOSPIROSIS

Epidemiology of leptospirosis in Mogilev Province. A. M. Mezheny. *Trudy TSU* 68:58-59 '64.

## MOISTURE

Moisture transport caused by an internal heat source in a closed system. V. V. Puchkovskii. *Inzh.-fiz. zhur.* 8 no. 3:336-340 Mr '65.

## MOISTURE—EFFECT ON PLANTS see Plants, Effect of moisture on

## MOISTURE—MEASUREMENT

Effect of the geometry of the pickup of a neutron moisture meter on the form of the calibration curve. O. P. Shipenko. *Trudy VNIIGIM* 44:228-233 '64.

Electric film transducer for measuring air moisture. A. M. Babitskiy and others. *Teplotekhnika* 12 no. 5: 75-77 My '65

Electronic device for moisture measurement in PTV retted flax tow. P. Yu. Livshits and others. *Tekst. prom.* 25 no. 3:70-71 Mr '65.

Moisture content of flax yarn in bobbins after water removal by pressure. G. N. Morozov. *Izv. vuz. ucheb. zav., i tekhn. tekst. prom.* no. 1:41-46 '65.

Precision in determining great moisture. B. S. Maslov. *Trudy VNIIGIM* 44:30-35 '61.

Rapid method for determining moisture in lignin and col- lectivity. G. Z. Iakovenko, G. A. Afanas'eva, G. I. Golovitskiy. *prom.* 18 no. 3:12-13 '65

## MOISTURE IN BUILDING MATERIALS

Moisture potential. V. N. Bogoslovskii. *Inzh.-fiz. zhur.* 8 no. 2:215-222 F '65.

Practices in maintenance of gas concrete elements. E. S. Silaenkov, R. A. Zarin, P. V. Rudin. *Anal. protch. avar. i povr. stroit. kon.* no. 2:137-152 '64.

Using the method of a sectional column in investigating moisture characteristics of building materials. E. I. Tertichnik. *Inzh.-fiz. zhur.* 8 no. 2:247-250 F '65.

## MOLASSE—ANALYSIS see Subdivision under Fergana Valley

## MOLASSES

[see also subdivision under Fergana Province; Fergana Valley]

Modification of the composition of molasses stillage during the growing of fodder yeast. M. A. Parkhomchuk, A. G. Zabuodskii, I. S. Koval'chuk. *Ferm. i spiri. prom.* 31 no. 4:40-43 '65.

Plovako, E. A., and L. D. Belova. [Modern methods for the preparation of molasses for yeast production] *Sovremennye sposoby podgotovki melassy dlia drozhdzhevo go proizvodstva*. Moskva, TSentr. in- i nauchno-tekhn. informatsii plekhevo i promyshl., 1964, 16 p. (Tekhnicheskaya informatsiya)

### [MICROFILM]

Problems of labor productivity accounting in case of the complete processing of molasses in distilleries. V. N. Rybnichuk. *Ferm. i spiri. prom.* 31 no. 3:24-27 '65.

## MOLDAVIA—AGRICULTURAL LIBRARIES

Review of specialized mobile libraries. G. Sadchevskii. *Bibliotekar'* 42 no. 3:14-15 Mr '65.

## MOLDAVIA—ALDER

New occurrences of alder in Moldavia. A. I. Tkachenko, L. P. Nikolaeva. *Izv. AN Mold. SSR* no. 10:84-88 '63.

## MOLDAVIA—APRICOT—DISEASES AND PESTS

Bacterial disease of apricot in Moldavia. M. T. Petrukhina. *Infek. zab. kul't. rast. Mold.* no. 1:128-142 '62.

## MINE VENTILATION—SAFETY MEASURES

Reversal of air flow is one of the causes of mine accidents. V. M. Kuznetsov, M. A. Pustushov. *Bezop. truda v prom.* 9 no. 5:37-41 My '65.

Ventilation of development workings after blasting operations. V. N. Satarov. *Nauch. soob. VostNI* no. 1:9-13 '61.

## MINE VENTILATION—TABLES, CALCULATIONS, ETC.

Mathematical description of steady air distribution processes in mine ventilation systems. A. A. Volkov, A. G. Evdokimov. *Izv. vuz. ucheb. zav. gor. zhur.* 8 no. 2:136-143 '65.

## MINE WATER—PURIFICATION

Cleaning contaminated water from mechanical admixtures in a hydrocyclone. I. B. Borokhov, F. S. Veselovskaya. *Gor. zhur.* no. 3:74-75 My '65.

## MINE WATER—SAFETY MEASURES

(see also subdivision under Kuznetsk Basin)

Waterproofing mine shafts in the western Donets Basin. G. I. Vagin, N. T. Logachev. *Shakht. stroi.* 9 no. 4:20-23 Ap '65.

## MINERAL INDUSTRIES—STATISTICS

Production of the metallurgical and mining industries in million tons for 1964. *Met. i gornorud. prom.* no. 2:88 Mr-Apr '65.

## MINERAL WATERS

(see also subdivision under Kuznetsk Basin; Tskhaltubo)

Long-term use of mineralized ground waters for leaching and vegetative irrigation. S. Mirkhalikov. *Shor. nauch. rab. asp. Soluz. NIKH* no. 5:312-320 '64.

A valuable work, "Mineral waters" by A. M. Ovchinnikov. Reviewed by A. I. Ferel'man. *Fiziroda* 54 no. 4:104 Ap '65.

## MINERAL WATERS—ANALYSIS

Using the methods of the mass sampling of deep hydrochemical holes for deciphering the structure of mineral water deposits. G. S. Vartanian. *Biol. MOIP. Otd. geol.* 40 no. 2:140-143 Mr-Apr '65.

## MINERAL WATERS—THERAPEUTIC USE

Pislegin, A. K. [Effect of mineral waters on the human body]. *Vilniane mineral'nykh vod na organizm cheloveka*. [Stavropol']. Stavropol'skoe knizhnoe izd-vo, 1964. 63 p. [DNLM MICROFILM]

## MINERAL WAX see Ozocerite

## MINERAL WOOL

Matiukhin, A. N. [Safety manual for cupola furnace operators at enterprises manufacturing mineral wool]. Pamiatka po tekhnike bezopasnosti dlia vragranishchika na predpriyatiakh po proizvodstvu mineral'noi vaty. Moskva, Stroizdat, 1965. 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

Matiukhin, A. N. [Safety manual for operators of blowers of mineral wool insulation]. Pamiatka po tekhnike bezopasnosti dlia operatora uzla razduva raspilava mineral'noi vaty. Moskva, Stroizdat, 1965. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

## MINERALOGICAL CHEMISTRY

Nonequivalence of bivalent magnesium and iron in the formation of olivines from silicate melts. G. A. Rashin. *Zap. Vses. min. ob-va* 94 no. 2:164-179 '65.

## MINERALOGY

(see also subdivision under Atasu region, Kazakhstan; Lysenlav region, Ukraine)

Accelerated method for the quantitative and mineralogical recalculation of sections in the integration stage. V. I. Aizenshtat. *Uzb. geol. zhur.* 8 no. 5:80-81 '64.

Akademiia nauk SSSR. Nauchnyi Sovet po rudooobrazovaniu. [Mineralogical thermometry and barometry]. Mineralogicheskaya termometriya i barometriya. Moskva, Nauka, 1965. 327 p.

Mineral-thermometric studies of inclusions in the minerals of certain nepheline rocks. T. I. U. Bazarova. *Dokl. AN SSSR* 161 no. 4:925-928 Ap '65.

Nature of solutions and the temperature conditions governing the formation of minerals in sulfide ores. G. I. Grigorovich. *Min. sbor.* 18 no. 2:176-180 '64.

Synthetic solid inclusions in minerals. I. V. Liakhov, A. V. Piznir. *Min. sbor.* 18 no. 2:165-174 '64.

## MINERALOGY, DETERMINATIVE

Comparative study of the accelerated perchlorate and the spectrophotometric method for determining the content of potassium in minerals. B. A. Lashikh. *Soob. AN Gruz. SSR* 29 no. 1:25-30 J1 '62.

Scintillation-spectral method of mineralogical analysis. I. A. D. Radtsig, I. U. I. Stakhev. *Zhur. anal. khim.* 20 no. 3:299-304 '65.

## MINERALS

(see also subdivision under Amazar Valley; Caucasus; Chatkai Range; Kurama Range; Ukraine; Ukraine, Western; White Russia)

Crystalline structure of the minerals of the murmanite-monomosovite group. A. D. Khailov and others. *Dokl. AN SSSR* 162 no. 1:179-182 My '65.

First find of narselite in the U.S.S.R. I. U. Kapustin. *Dokl. AN SSSR* 161 no. 4:922-924 Ap '65.

New mineral "borcaite". N. N. Perisov, I. V. Ostrovskaya, I. B. Nikitina. *Zap. Vses. min. ob-va* 94 no. 2:180-186 '65.

New mineral "ludashit". Na  $K_2C_2O_4 \cdot 1/2 H_2O \cdot 1/2 (OH)$ . I. U. Rogov and others. *Dokl. AN SSSR* 162 no. 9:678-681 My '65.

New minerals. Part 16. E. M. Bonshchik-Kupletskaya. *Zap. Vses. min. ob-va* 94 no. 2:187-202 '65.

Reaction of silicic acid and accompanying minerals with oleic acid. I. N. Plaksin, V. I. Solov'yukhin, I. A. Sinadin. *Dokl. AN SSSR* 162 no. 4:879-882 Je '65.

Two stages of metasomatic mineral formation. V. G. Bogolenov. *Zap. Vses. min. ob-va* 94 no. 2:119-163 '65.

Vsesoluznoe mineralogicheskoe obshchestvo. *Ukrainskoe otdelenie*. [Morphology, properties, and genesis of minerals]. *Morfologiya, svoystva i genezis mineralov*. Kiev, Naukova dumka, 1965. 188 p.

## MINERALS—ELECTRIC PROPERTIES

Effect of certain factors on the amount of electric charge of minerals obtained in a corona discharge electric field. V. I. Karmazin, A. A. Bebeshev, V. N. Karaseva. *TSvet. met.* 38 no. 4:17-20 Ap '65.

## MINERALS—THERMOELECTRIC PROPERTIES

Nature of thermoelectric effect in minerals. G. V. Volkovich, V. G. I. Iokhorov, I. A. Khaitel'dinov. *Dokl. AN SSSR* 162 no. 1:169-172 My '65.

## MINERALS IN FOOD

Content of some trace elements in semi-processed sea kale. I. A. D. Kadanov. *Vop. pit.* 23 no. 5:80 S-O '61.

Copper and iron content in children's diet in a Pioneer camp and their blood picture. L. B. Pavlova. *Vop. pit.* 23 no. 5:77-78 S-O '64.

Use of zapropel and trace elements in scientific experiments on the "Udarnik" State Farm. F. A. Solov'yev, A. P. Kosenkov, N. N. Timofeev. *Khim. v sel. khoz.* 3 no. 3:71-72 Mr '65.

Zinc and iron content in the food served in Tomsk children's institutions. A. I. Vorob'eva, N. A. Bol'shagina. *Vop. pit.* 23 no. 5:78-79 S-O '61.

## MINERALS IN PLANTS

Ash elements and the productivity of field crops. V. I. Bessmertnyy, V. S. Burdygina. *Lv. AN. Ukr. SSR. Ser. biol. nauk* no. 2:39-44 '65.

Available magnesium and its distribution in the various organs of plants. M. M. Mazzeva. *Agrokhimia* no. 1:73-79 Ja '65.

Characteristics of the dynamics of manganese, cobalt, copper, zinc, and molybdenum in the system soil-plant. D. D'eri, N. G. Zyrin. *Agrokhimia* no. 2:87-97 F '65.

Determining the total potassium, sodium, and lithium in plant tissues without combustion. I. A. Gavva, A. M. Zinkovskiy, I. A. Palanitsa. *Agrokhimia* no. 4:116-117 Ap '65.

Dynamics of the content of manganese in soils and plants. P. A. Vlasuk, M. N. Karas'. *Agrokhimia* no. 1:80-88 Ja '65.

## MINERALS IN SOIL

(see also subdivision under Ural'sk Province)

Assimilation by plants of absorbed bases as related to their composition in soil. M. S. Zhukov. *Agrokhimia* no. 2:78-80 F '65.

Characteristics of the dynamics of manganese, cobalt, copper, zinc, and molybdenum in the system soil-plant. D. D'eri, N. G. Zyrin. *Agrokhimia* no. 2:87-97 F '65.

Study of the interaction between minerals and polymers by infrared spectroscopy method. L. Kh. Taimurazova, L. A. Ignatieva. *Vest. Mosk. un. Ser. 6 Biol. i geogr.* 20 no. 2:81-86 Mr-Apr '65.

## MINERALS IN SOIL—CONGRESSES

Problems of soil mineralogy at the 8th International Congress of Soil Scientists. N. I. Gorbunov, E. A. I. Artylova, L. U. Reintam. *Pochvovedenie* no. 5:101-106 My '65.

## MINERALS IN THE BODY

Calcium and phosphorus content of the bile of young pigs in health and in catarrhal gastroenteritis. V. S. Kozachok. *Trudy mol. uch. UASHN* no. 9:45-49 '63.

Change in the mineral components of the blood serum under the effect of splenitis in splenectomy and parathyroidectomy. V. P. Komissarenko, M. N. Levenchenko, O. S. Klymenko. *Fiziol. zhur. [Ukr.]* 9 no. 1:6-12 Ja-F '63.

## MINERS see subdivision under Lenger (Kazakhstan)

## MINERS—AGING

Arterial pressure in miners of the retirement age. A. M. Alekseeva. *Vop. geront. i geriat.* 4:80-82 '65.

## MINERS—EDUCATION AND TRAINING

Educational council at a mine. V. Koval'chuk. *Prof. i tekhn. obr.* 22 no. 2:27 F '65.

## MINES AND MINERAL RESOURCES

Useful minerals are our wealth. F. Shutilov. *Part. zhizni* no. 11:15-20 Je '65.

## MINGRELLIA—WATER, UNDERGROUND

Water resources of Mingrelia. I. A. Vladimirov. *Trudy Gruz. ob-va Geol. SSR* 7:139-169 My '63.

## MININ, KUZMA, d. 1816

Kuzma Minin, new materials for his biography. I. A. Kuz'manov. *Ist. SSSR* 9 no. 1:114-146 Ja-F '65.

## MINING ENGINEERING

(see also subdivision under Caucasus; Kriyov Rog Basin; Sokolovka-Sarlay region, Kustanay Province)

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut merzlotovedeniia. [Thermal and mechanical processes in mining minerals, mining operations in a mass of frozen ground]. *Teplovoe i mekhanicheskoe protsessy pri razrabotke poleznykh iskopaemykh; gornye raboty v massive merzlykh porod*. Moskva, Nauka, 1965. 266 p.

Application of pulse methods for the approximate analysis of differential equations with a delayed argument. I. A. Sholikhov. *Dop. AN URSR* no. 5:606-610 '65.

Cartridge in a protective casing for use in the caving of roofs in stopes of mines subject to gas and dust. V. I. Chirunov. *Nauch. soob. VostNI* no. 1:74-79 '61.

Improving the structural elements of mining systems. G. I. Papalev, S. I. Nopomnitskii. *Gor. zhur.* no. 1:87-90 Ap '65.

Instructive example of Zyrinovsky mine. M. Kuzhel'. *Inform. biul. VDNKH* no. 1:13 Ap '65.

Ore breaking by horizontal fan-pattern holes at apatite mines. V. P. Abramov, D. I. Palyshchenko, V. V. Gushchin. *Gor. zhur.* no. 5:19-21 My '65.

Utilization of underground working in strip mines. D. P. Bogolubov, D. P. Antaf'ev. *Gor. zhur.* no. 3:14-19 Mr '65.

## MINING ENGINEERING—A BTRACTS

[Mining] *Ref. zhur. Gor. delo* no. 5 My '65.

## MINING ENGINEERING—COLD WEATHER CONDITIONS

(see subdivision under Sokolovka-Sarlay region (Kustanay Province))

## MINING ENGINEERING—CONGRESSES

Agoshkov, M. I. and others. [Establishing standards for labor expenditures depending on the width of the stopping area in mining thin seams, report at the conference on problems of finding efficient methods of mining lode deposits held in Irkutsk, June 4-6, 1963]. *Na mirovnye trudovyye ratat v zavisimosti ot shiriny oshchego postranstva pri razrabotke tonkikh zhidoklad na sovetskikh po voprosam lyzskandala effektivnykh sposobov razrabotki zhidnykh mestorozhdenii v g. Irkutsk (4-6 iunlia 1963 g.)*. Moskva, In-t gornogo dela im. A. A. Erckhinskogo, 1963. 15 p. [MICROFILM]

## MINING ENGINEERING—LABOR PRODUCTIVITY

(see also subdivision under Kriyov Rog Basin)

Growth of labor productivity in mining enterprises of the "Ogneupornerud" Trust. M. D. Onitschuk. *Met. i gornorud. prom.* no. 2:55-60 Mr-Apr '65.

## MINING ENGINEERING—MANAGEMENT

(see also subdivision under Ural Mountains)

Russia (1923—U.S.S.R.). Gosudarstvennyi komitet po avtomatizatsii i mashinostroyeniю. [Regulation on the planned preventive maintenance of equipment and the means of transportation in the coal and mining industries]. *Polozhenie o planovo-predupreditel'nom remonte oborudovaniia i transportnykh sredstv ugal'noi i gornorudnoi promyshlennosti*. Stereotipnoe izd. Moskva, Nedra, 1965. 110 p.

## MINING ENGINEERING—SAFETY MEASURES

(see also subdivision under Kriyov Rog Basin)

Creating safe conditions in the making of crosscuts opening up thick seams subject to sudden outbursts of coal and gas. O. I. Chernov, I. S. Rozantsev. *Nauch. soob. VostNI* no. 1:14-20 '61.

## MINING ENGINEERING—STUDY AND TEACHING

Mining machine operators and anticipatory planning. V. Popov. *Prof. i tekhn. obr.* 22 no. 5:8-9 My '65.

Technical progress dictated. I. Kryzhko, I. Fedorenko. *Prof. i tekhn. obr.* 22 no. 5:6-7 My '65.

## MINING ENGINEERING—WATER SUPPLY

Results of the introduction of reducing valves. L. T. Shapovalov, A. P. Shvydkii. *Gor. zhur.* no. 5:42-44 My '65.

## MINING GEOLOGY

Approximate estimate of the strength of rock by the depth of deposition and metamorphism. B. P. Ovechenko, M. P. Shamaeva, A. I. Komarov. *Ugol' Ukr.* 9 no. 4:11-13 Mr '65.

Method of utilizing geological sections in the investigation of open pit mining work procedures with the use of electronic computers. I. B. Tabakman. *Izv. vuz. ucheb. zav., gor. zhur.* 8 no. 2:48-52 '65.

Studying the looseness of rock by the seismic acoustic method. V. N. Sirenko, O. P. Iakobashvili. *Gor. zhur.* no. 5:17-19 My '65.

## MINING INDUSTRY—FINANCE

Determining the economic loss resulting from ore depletion O. D. Karbelashvili *Sob. AN Gruz. SSR* 28 no. 5 567-573 My '62

## MINING MACHINERY

Advantage of using underground crushers and selecting their standard dimensions I. G. Alekseevskii, *Gor. zhur.* no. 4:10-12 Ap '65.

Belen'kii, D. M. [Main conveyors] *Magistral'nye konveyery*, Moskva, Nedra, 1965, 220 p.

Introducing the KS-1M/6, 2 set of mining equipment. B. I. Shavkun, *Btut. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* 18 no. 3:18 Mr '65.

Moscow, Institut radioelektroniki i gos. noi elektromekhaniki [Technology and overall mechanization of the open pit mining of coal, ore, and nonmetallic minerals] *Tekhnologiya i kompleksnaya mekhanizatsiya otkrytoi dobychi uglya, rud i nerudnykh iskopayemykh*, Moskva, Pt. 1 [Technological processes] *Tekhnologicheskie protsessy*.

No. 1. [Objectives in mining operations, principles of the technology and economics of strip mining] *Ob'ekty gornyykh rabot, osnovy tekhnologii i ekonomiki otkrytykh i azabotok*. [By] V. V. Razhevskii i N. D. Zolotarev, 1964, 110 p.  
No. 5. [Relocation of strip mine rock piles] *Peremeschenie kar'teynykh gruzov*. [By] V. V. Razhevskii, S. A. Il'in i V. I. Gant'skii, 1964, 227 p.

### [MICROFILMS]

Murzin, V. A., and I. A. Tseltin. [Pneumatic equipment in mines] *Rudnichnye pnevmaticheskie ustanovki*, Moskva, Nedra, 1965, 215 p.

Ore drawing with vibration hauling and loading equipment. V. N. Vlasov, A. G. Trofimovich, R. Kh. Gabitov, *Gor. zhur.* no. 3:23-26 Mr '65.

Shaft sinking in the Krivoy Rog Basin with the help of KS-2m complexes. R. G. Mor'dukovich, *Gor. zhur.* no. 5:28-30 My '65.

Use electronic computers for the determination of parameters of a transportation and dumping system in mining. V. S. Ioskin *Izv. vyz. ucheb. zav.: gor. zhur.* 8 no. 2:106-109 '65.

Using self-propelled equipment in mines of the Novomoskovsk Gypsum Combine E. M. Iampol'skii, P. F. Machul'skii, S. S. Muzgin, *Gor. zhur.* no. 4:6-10 Ap '65.

## MINING MACHINERY—ABSTRACTS

[Mining machinery] *Ref. zhur.: Gor. mash.* no. 6 Je '65.

## MINING MACHINERY—DESIGN AND CONSTRUCTION

[Calculating the efficiency of mining cutter-loaders; methods of calculation] *Raschet proizvoditel'nosti gornyykh kombinov; metodika rascheta*, Moskva, Nedra, 1965, 60 p.

## MINING MACHINERY—MAINTENANCE AND REPAIR

Mechanization of build-up welding and welding operations at a mining enterprise. A. I. Ushakov, *Svar. proizv.* no. 3:32 Ma '65.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniyu, [Regulation on the planned preventive maintenance of equipment and the means of transportation in the coal and mining industries] *Polozhenie o planovno-predupruditel'nom remontе oborudovaniya i transportnykh sredstv ugol'noi i gos. rudnoi promyshlennosti*, Stenotipnoe izd., Moskva, Nedra, 1965, 119 p.

## MINING MACHINERY—TESTING

Investigating mounted rippers in phosphorus deposits. V. A. Degtyarev, M. I. Rovinskii, *Gor. zhur.* no. 5:15-17 My '65.

## MINING RESEARCH

All-Union inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy. *Gor. zhur.* no. 3:78 Mr '65.

## MINK FARMING see subdivision under Karelia

## MINKS

Diurnal activity of minks of various genotypes and their reaction to photoperiodic conditions. D. V. Klochkov *Btut. MOIP, Otd. biol.* 70 no. 3:106-112 Mr-Apr '65.

## MINKS—DISEASES AND PESTS

Morphology of spontaneous toxoplasmosis of minks. B. K. Besprozvannyi and others. *Arkh. pat.* 27 no. 2:72-78 '65.

## MINOR PLANETS see Planets, Minor

## MINORITIES

Courses for the representatives of minority districts. E. Kuzakova, *Nar. obr.* no. 5:123-125 My '65.

Gariaev, S. M. [Friendship among peoples as a powerful source of the development of the Yakut A. S. S. R.] *Druzhiba narodov - moguchii istochnik razvitiya Iakutskoi ASSR*. Iakutsk, Iakutskoe knizhnoe izd-vo, 1964, 120 p.  
(CS-1-H)

## MINSK—AUXILIARY POLICE

The auxiliary police and duty periods. I. Kryzhanovskii *Part. zhizn'* no. 11:51-53 Je '65.

## MINSK—DEPARTMENT STORES

Precast-monolithic structural elements in the multi-story department store in Minsk. B. N. Zavadivker *Bet. i zhel.-bet.* 9 no. 6:241-245 Je '63.

## MINSK—PRECAST CONCRETE CONSTRUCTION

Precast-monolithic structural elements in the multi-story department store in Minsk. B. N. Zavadivker, *Bet. i zhel.-bet.* 9 no. 6:241-245 Je '63.

## MINSK—TRACTOR INDUSTRY—ACCOUNTING

Improve the accounting for output F. Beskorovainnaia, *Bukh. uch. 22* no. 3:52-55 Mr '65.

## MINSK REGION—TREES

Transpiration of the year-old shoots of woody plants during the cold period of the year. M. D. Nestorovich, B. S. Alker, *Vestn. AN BSSR Ser. biol. nauch.* no. 1 5-10 '65.

## MINT (BOTANY)

Potentials for the increase of mint crops. N. M. Zhadanov *Maslozhir. prom.* 31 no. 2:22-24 F '65.

## MINUSINSK BASIN—GEOLOGY

Geology of the Kogarov explosive pipe in the North Minusinsk Lowland. A. V. Kravkov *Trudy SNIIGGIMS* no. 35 190-202 '61.

## MINUSINSK BASIN—SIDERITE

Sedimentary, diagenetic, and pseudo-hydrothermal siderites of the Minusinsk coal basin. V. M. Krymskii *Trudy SNIIGGIMS* no. 35 203-209 '64.

## MIR-KASIMOV, MIR-AGADULIA, 1883-1958

Akademika nauk Azerbaidzhanской SSR, Baku, Fundamental'naya biblioteka, [M. A. Mir-Kasimov, 1883-1958; a bibliography] *M. A. Mir-Kasimov, 1883-1958, bibliografiya*, Baku, Izd-vo Akad. nauk Azerbaidzhanской SSR, 1964, 49 p. (Detal'nai nauka i kul'tura Azerbaidzhana)

## MIRNY STATION REGION, ANTARCTICA—PHYSICAL GEOGRAPHY

Structure of the relief under the ice in the Mirny region. P. A. Stroev, A. I. Frolov, V. B. Tsukernik, *Inform. biul. Sov. antark. eksp.* no. 49:24-28 '64.

## MISCONDUCT IN OFFICE

(see also subdivision under Ukraine)

Certain problems of the judicial practice related to criminal offenses of officials. V. Solov'ev, *Sov. iust.* 28 no. 12:9-11 Je '64.

Distinguishing between larceny and abuse of official position. S. Tararukhin, A. Sventlov *Sots. zakon.* 42 no. 5:65-69 My '65.

## MISSIONS—EDUCATIONAL WORK see subdivision under China

## MITES see subdivision under Azerbaijan

## MITES AS CARRIERS OF DISEASE

(see also subdivision under Nakhichevan A. S. S. R.)  
Chicken mite *Dermatophagoides gallinae* as a carrier of the virus of Newcastle disease. V. I. Rotov and others *Vop. vet. vyzn.* 1:397-400 '64.

## MITOCHONDRIA

Characteristics of the ultrastructure of tubular mitochondria in the neuropil of the forebrain in a turtle. T. V. Davydova, *Dokl. AN SSSR* 162 no. 3: 675-677 My '65.

Data of a histomorphological study of the liver in rats of various ages under the combined effect of carbon tetrachloride and hepatocytotoxic mitochondrial serum. S. A. Korol', G. A. Rodionov *Pat. fiziol. i eksp. terap.* 0 no. 2:54-59 Mr-Apr '65.

Effect of sodium deoxycholate and trypsin on the mitochondria of the gray and white substances of the brain in rabbits. G. P. Guldova *Btut. eksp. biol. i med.* 59 no. 4:12-15 Ap '65.

Effect of 2,4-D on the oxidative phosphorylation of mitochondria isolated from plants of different taxonomic groups. N. I. Iakushkina, T. V. Likholat, *Dokl. AN SSSR* 161 no. 4:975-977 Ap '65.

Electron microscopy of mitochondria suspended in various media. I. Radil', K. Leijsek, E. Matejkova *Biofizika* 10 no. 1:171-173 '65.

Structure of the membranes of mitochondria. V. F. Maschanski, *Tsitologiya* 4 no. 5:555-558 S-O '62.

## MITRAL VALVE—SURGERY

Anatomical characteristics of the mitral valve at late periods following commissurotomy. G. A. Chekarova, *Arkh. pat.* 27 no. 4:3-9 '65.

Late hemodynamic changes following mitral commissurotomy. S. A. Giliarovskii, S. G. Molisev, S. O. Androsova, *Sov. med.* 28 no. 1:31-35 Ja '65.

## MITSKEVICH, KONSTANTIN MIKHAILOVICH, 1882-1956

Luzhanski, Maksim, pseud. [Iakub Kolos relates] *Iakub Kolos rasskazyvaet*, Moskva, Sovetskii pisatel', 1964, 397 p.  
(MH)

## MIXING MACHINERY

Design and calculation of hydraulic mixers. I. N. Reznichenko, I. I. Bekukh, *Burenie* no. 4:34-37 '64.

Studying the gravity mixer for free-flowing materials. B. M. Lomakin, A. M. Lastovskiy *Trudy MEKHIM* 26: 192-199 '64.

## MIXING MACHINERY—DESIGN AND CONSTRUCTION

New design of mixer for the sintering of charge components. A. M. Stepanenko, *Met. i gornorud. prom.* no. 2: 71 Mr-Apr '65.

## MODERN GEOMETRY see Geometry, Modern

## MODULAR COORDINATION (ARCHITECTURE) see subdivision under Soviet Central Asia

## MODULATION (ELECTRONICS)

Choice of modulation in the transmission of binary signals in the optical band. V. I. Stepanuk, *Radioelektr. i elektron.* 10 no. 5:552-553 My '65.

## MOSSBAUER EFFECT

Mossbauer effect in alkali ferrosilicate glasses. A. A. Belitskii and others. *Fiz. tver. tela* 7 no. 5:1447-1454 My '65.

## MOGADISHU, SOMALIA—ANCHORAGE

Some characteristics of anchorage in the roadstead of the port of Mogadishu. A. Vaseiko *Mor. flot* 25 no. 5:28-29 My '65.

## MOGILEV PROVINCE—LEPTOSPIROSIS

Epidemiology of leptospirosis in Mogilev Province. A. M. Mezhenyail, *Trudy TSU 68:58-59 '64*.

## MOISTURE

Moisture transport caused by an internal heat source in a closed system. V. V. Puchkovskii *Inzh. - fiz. zhur.* 8 no. 3:336-340 Mr '65.

## MOISTURE—EFFECT ON PLANTS see Plants, Effect of moisture on

## MOISTURE—MEASUREMENT

Effect of the geometry of the pickup of a neutron moisture meter on the form of the calibration curve. O. P. Shipenko, *Trudy VNIIGIM* 44:228-234 '64.

Electric film transducer for measuring air moisture. A. M. Babitskiy and others *Leptotsirozika* 12 no. 5: 75-77 My '65.

Electronic device for moisture measurement in PIV retted flax tow. P. I. Livshits and others *Tekst. prom.* 25 no. 3:70-71 Mr '65.

Moisture content of flax yarn in bobbins after water removal by pressure. G. N. Morozov, *Izv. vyz. ucheb. zav., tekhn. i tekhn. inform.* no. 1:41-46 '65.

Precision in determining peat moisture. B. S. Maslov, *Trudy VNIIGIM* 44:30-35 '64.

Rapid method for determining moisture in lignin and collectivity. G. Z. Iakovenko, G. A. Afanas'eva *Gidroliz. i lesokhlm. prom.* 18 no. 3:12-13 '65.

## MOISTURE IN BUILDING MATERIALS

Moisture potential. V. N. Bogoslovskii, *Inzh. - fiz. zhur.* 8 no. 2:216-222 F '65.  
Practices in maintenance of gas concrete elements. E. S. Silenkov, R. A. Zarin, P. V. Rudin, *Anal. prich. avar. i povr. stroit. kon.* no. 2:137-152 '64.

Using the method of a sectional column in investigating moisture characteristics of building materials. E. I. Terichnik *Inzh. - fiz. zhur.* 8 no. 2:247-250 F '65.

## MOLASSE—ANALYSIS see subdivision under Fergana Valley

## MOLASSES

(see also subdivision under Fergana Province; Fergana Valley)

Modification of the composition of molasses stillage during the growing of fodder yeast. M. A. Parkhomchuk, A. G. Zubrovskii, I. S. Koval'chuk, *Ferm. i spir. prom.* 31 no. 4:40-43 '65.

Plovako, E. A., and L. D. Belova. [Modern methods for the preparation of molasses for yeast production] *Sovremennye sposoby podgotovki molassy dlia drozhevoygo proizvodstva*, Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchev. i promyshl., 1964, 16 p. (Tekhnicheskaya informatsiya)

### [MICROFILM]

Problems of labor productivity accounting in case of the complete processing of molasses in distilleries. V. N. Rybnichuk, *Ferm. i spir. prom.* 31 no. 3:24-27 '65.

## MOLDAVIA—AGRICULTURAL LIBRARIES

Review of specialized mobile libraries. G. Sudachevskii, *Bibliotekar'* 42 no. 3:14-16 Mr '65.

## MOLDAVIA—ALDER

Now occurrences of alder in Moldavia. A. I. Trachenko, L. P. Nikolaeva, *Izv. AN Mold. SSR* no. 10:84-88 '63.

## MOLDAVIA—APRICOT—DISEASES AND PESTS

Bacterial disease of apricot in Moldavia. M. T. Petrukhina, *Infek. zab. kul't. rast. Mold.* no. 1:128-142 '62.



## MOLDAVIA—BERRIES

Gerasimova, Z. A., and T. A. Makarova. [Growing berry-bearing shrubs in Moldavia] Kultúra i bushitlor fruktivnii v Moldavii. Kishinev, Kartia moldoveniaske, 1964. 98 p. [In Moldavian]

## MOLDAVIA—CANNING INDUSTRY

Meeting of the active representatives of the canning industry of Moldavia. V. P. Valeiko. Kons i ov prom. 20 no. 4-46. Ap '65.

State of the canning industry of Moldavia at the eve of the fruit and vegetable processing season. P. S. Turburch. Kons i ov prom. 20 no. 5-21-23. My '65.

## MOLDAVIA—CAPITAL INVESTMENTS

Usik, P. V., and R. D. Fedotova, eds. [Increasing the economic efficiency of capital investments in the industry of the Moldavian S. S. R.] K voprosu povysheniia ekonomicheskoi effektivnosti kapital'nykh vlozhenii v promyshlennosti MSSR. Kishinev, Izd-vo "Shtiintsa", Akad. nauk Moldavskoi SSR, 1962. 99 p.

## MOLDAVIA—CICADA

Some data on cicadas of Moldavia. L. I. Tereshko. Nauch. dokl. vys. shkoly, biol. nauki no. 2-25-26. '65.

## MOLDAVIA—CLAY

Clay minerals of Lower Sarmatian arenaceous sediments in the northeastern part of the Moldavian S. S. R. P. M. Murzaev, A. N. Khubka. Izv. AN Mold. SSR no. 8-53-74. '63.

## MOLDAVIA—CLOSTRIDIUM

Distribution of tetanus pathogen in the soil of Tajikistan, Uzbekistan and Moldavia. M. I. Orzuov, K. I. Matveev. Zhur. mikrobiol., epid. i immunit. 41 no. 11-91-92. N. '64.

## MOLDAVIA—CONSTRUCTION INDUSTRY

Ways to improve the indices of capital construction in the Moldavian S. S. R. V. B. Bortnikov. Izv. AN Mold. SSR no. 12-12-28. '63.

## MOLDAVIA—COURTS

40 years of the judiciary of the Moldavian S. S. R. Kh. Zingun, A. Surilo. Sots. zakon. 42 no. 5-58-60. My '65.

The Supreme Court of the U. S. S. R. salutes the Supreme Court of the Moldavian S. S. R. on its 40th anniversary. Biul. Verkh. Suda no. 2-33. '65.

## MOLDAVIA—DUTCH ELM DISEASE

Dutch elm disease in Moldavia. I. S. Popushoi and others. Infek. zab. kul't. rast. Mold. no. 1-28-59. '62.

## MOLDAVIA—ECONOMIC CONDITIONS

Nemirov, I. I. [Heroic everyday life of Moldavia on the pages of "Pravda", on the 50th anniversary of the newspaper "Geroidcheskie budni Moldavii na stranitsakh "Pravdy", k 50-letiiu so dnia osnovaniia gazety. Kishinev, Kartia moldoveniaske, 1962. 85 p. (CST-H) (WU).

## MOLDAVIA—FRUIT—DROUGHT RESISTANCE

Kushnirenko, M. D. [Water balance and drought resistant of fruit plants] Vodnyi rezhim i zasukhoustoichivost' plodovykh rastenii. Kishinev, Shtiintsa, 1962. 48 p. (DNAL).

## MOLDAVIA—FRUIT—DRYING

Important potentials for the reduction of the costs of production of dried fruit. B. A. TSugalevich. Kons i ov. prom. 20 no. 4-38-39. Ap '65.

## MOLDAVIA—FRUIT TREES—DISEASES AND PESTS

Ivanov, S. M. [Causes of the desiccation of stone fruit trees] Prichiny usykhanii derev'ev kostochkovykh plodovykh porod. Pod red. V. A. Rybina. Kishinev, Shtiintsa, 1961. 224 p. (DNAL).

## MOLDAVIA—GAS, NATURAL—GEOLOGY

Conditions governing the formation of the Valeny oil pool and the problem of the gas potential of Neogene sediments in the southern part of the Prut-Dniester interfluvium. D. E. Panchenko. Izv. AN Mold. SSR no. 8-18-29. '63.

Role of the dynamics of underground waters in the formation and disintegration of gas and oil pools. A. I. A. Edel'shtein, G. I. Plavnik. Izv. AN Mold. SSR no. 8-3-17. '63.

## MOLDAVIA—GEOLOGY, STRATIGRAPHIC

Jurassic sediments in the western part of the cis-Dobruja trough. B. M. Polukhtovich. Izv. AN Mold. SSR no. 8-30-39. '63.

New data on the stratigraphy of Upper Cretaceous sediments in southeastern Moldavia. V. A. Sobetskii, G. A. Ivanovskaya. Dokl. AN SSSR. 161 no. 4-911-914. Ap '65.

## MOLDAVIA—GEOMORPHOLOGY

Basic characteristics of the structure of a Moldavian Jurassic trough. B. S. Siluear', V. S. Makaresku. Geotekhnika no. 2-119-122. Mr.-Ap '65.

## MOLDAVIA—GLAUCONITE

Glauconite and montmorillonite of Lower Sarmatian arenaceous sediments in the northeastern part of the Moldavian S. S. R. P. M. Murzaev, A. N. Khubka. Izv. AN Mold. SSR no. 8-75-81. '63.

## MOLDAVIA—GRAPES—DISEASES AND PESTS

Studying infectious degeneration of grapes in Moldavia. V. I. Kutasevich, I. S. Popushoi. Infek. zab. kul't. rast. Mold. no. 1-122-127. '62.

## MOLDAVIA—GRAPES—VARIETIES

Enin, T. K. [Best grape varieties recommended for variety testing and propagation in Moldavia] Luchshie sorta vinogradra, rekomenduemye dlia soizispianii i razmnozhenii v Moldavii. Kishinev, Shtiintsa, 1960. 58 p. (DNAL).

## MOLDAVIA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

The designer's principal nature. M. Zinina. Sov. profsoiuzy. 21 no. 10-18. My '65.

## MOLDAVIA—INDUSTRIES

Usik, P. V., and R. D. Fedotova, eds. [Increasing the economic efficiency of capital investments in the industry of the Moldavian S. S. R.] K voprosu povysheniia ekonomicheskoi effektivnosti kapital'nykh vlozhenii v promyshlennosti MSSR. Kishinev, Izd-vo "Shtiintsa", Akad. nauk Moldavskoi SSR, 1962. 99 p.

## MOLDAVIA—INDUSTRIES, LOCATION OF

Basis for the distribution, specialization, and the comprehensive development of the economy of the Moldavian S. S. R. V. F. Chevrinskii. Izv. AN Mold. SSR no. 12-3-10. '63.

## MOLDAVIA—IRRIGATION FARMING

Regionalization of arable lands in Moldavia for the purpose of their utilization for irrigation. S. T. Vaznuzdaev, R. V. Demchenko. Izv. AN Mold. SSR no. 8-40-52. '63.

## MOLDAVIA—KARST

Karst phenomena in Moldavia. S. T. Vaznuzdaev. Izv. AN Mold. SSR no. 8-85-95. '63.

## MOLDAVIA—LABOR AND LABORING CLASSES

Gurov, V., and M. Sverdlov. [Overcoming the essential differences between mental and physical work] O preodolenii sushchestvennykh razlichii mezhdu umstvennym i fizicheskim trudom. Kishinev, Kartia moldoveniaske, 1962. 57 p. (MH).

## MOLDAVIA—LANDFORMS

Practice in the classification of the geographical landforms of the Ukrainian S. S. R. and the Moldavian S. S. R. K. I. Gorenchuk. Geog. sbor. L'vov, old. Geog. ob-va. SSSR no. 8-13. '64.

## MOLDAVIA—LANDSCAPE GARDENING

Landscape and leveling principles in planning exhibitions at the Botanical Garden of the Academy of Sciences of the Moldavian S. S. R. in Kishinev. P. V. Leon'tev. Izv. AN Mold. SSR no. 10-13-29. '63.

## MOLDAVIA—LIBRARIES, CHILDREN'S

Let's indicate a love for books. N. Onika. Bibliotekar'. 42 no. 4-38-39. Ap '65.

## MOLDAVIA—MATHEMATICS

Mathematics in the Moldavian S. S. R. V. A. Andrunakievich, V. P. Bychkov. Usp. mat. nauk. 20 no. 2-247-258. Mr.-Ap '65.

## MOLDAVIA—METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Mechanization of production processes and the increase of labor productivity in the metal industry of Moldavia. S. Khach. Izv. AN Mold. SSR no. 12-58-70. '63.

## MOLDAVIA—MONTMORILLONITE

Glauconite and montmorillonite of Lower Sarmatian arenaceous sediments in the northeastern part of the Moldavian S. S. R. P. M. Murzaev, A. N. Khubka. Izv. AN Mold. SSR no. 8-75-84. '63.

## MOLDAVIA—OAK

Growth of the root of oak in pure and mixed plantations on hard-to-manage soils in the southwestern part of Moldavia. I. P. Kravchuk. Sbor. nauch. issl. rab. VNIILMI no. 28-34-42. '60.

## MOLDAVIA—PEAS

New forms of winter garden and field peas in Moldavia. T. A. Shkol'nikova. Izv. AN Mold. SSR no. 10-60-72. '63.

## MOLDAVIA—PERENNIALS

Seed germination in perennial flowering plants. V. G. Nesterenko. Izv. AN Mold. SSR no. 10-54-59. '63.

## MOLDAVIA—PETROLEUM GEOLOGY

Conditions governing the formation of the Valeny oil pool and the problem of the gas potential of Neogene sediments in the southern part of the Prut-Dniester interfluvium. D. E. Panchenko. Izv. AN Mold. SSR no. 8-18-29. '63.

Role of the dynamics of underground waters in the formation and disintegration of gas and oil pools. A. I. A. Edel'shtein, G. I. Plavnik. Izv. AN Mold. SSR no. 8-3-17. '63.

## MOLDAVIA—RETAIL TRADE

Development of the turnover of goods in Moldavia. A. I. Lopushanskii, N. Mel'nik. Sov. toig. 30 no. 5-25-28. My '65.

## MOLDAVIA—SOLAR ENERGY

Borzunov, L. V., M. K. Bologa, and V. N. Korotun. [Energy characteristics of the solar regime of Moldavia] Energeticheskie kharakteristiki solnechnogo rezhima Moldavii. Pod red. I. A. Shcheglova. Kishinev, Izd-vo "Shtiintsa", 1962. 42 p.

## MOLDAVIA—SOLAR RADIATION

Borzunov, L. V., M. K. Bologa, and V. N. Korotun. [Energy characteristics of the solar regime of Moldavia] Energeticheskie kharakteristiki solnechnogo rezhima Moldavii. Pod red. I. A. Shcheglova. Kishinev, Izd-vo "Shtiintsa", 1962. 42 p.

## MOLDAVIA—STONE FRUIT—DISEASES AND PESTS

Immature desiccation of stone fruit. I. S. Popushoi. Infek. zab. kul't. rast. Mold. no. 1-5-25. '62.

## MOLDAVIA—SWEET CLOVER

Undergrowth white sweet clover in a grass sod. L. P. Pozharivskaya. Izv. AN Mold. SSR no. 10-77-83. '63.

## MOLDAVIA—TECHNOLOGICAL INNOVATIONS

Introducing the exhibits from the Exhibition. K. Mookvichev. Inform. biul. VDNKH no. 4-18. Ap '65.

Mezhofraslovii Sovet nauchno-tekhnicheskikh obshechestv Moldavskoi SSR. [For technological progress, from the work practice of scientific and technical societies of Moldavia] Za tekhnicheskii progress, iz opyta raboty nauchno-tekhnicheskikh obshechestv Moldavii. Kishinev, 1964. 101 p.

## MOLDAVIA—TOBACCO BLUE MOLD

Tobacco downy mildew. I. S. Popushoi, R. N. Dashkevna. Infek. zab. kul't. rast. Mold. no. 1-60-66. '63.

## MOLDAVIA—VITICULTURE

Intensification of production while conducting the reconstruction of grape planting on the "Birutina" Collective Farm. A. L. Popov. Izv. AN Mold. SSR no. 12-46-56. '63.

## MOLDAVIA—WATER, UNDERGROUND

Regionalization of artesian waters in Moldavia for the purpose of their utilization for irrigation. S. T. Vaznuzdaev, R. V. Demchenko. Izv. AN Mold. SSR no. 8-40-52. '63.

Role of the dynamics of underground waters in the formation and disintegration of gas and oil pools. A. I. A. Edel'shtein, G. I. Plavnik. Izv. AN Mold. SSR no. 8-3-17. '63.

## MOLDAVIA—WORLD WAR, 1939-1945—CAMPAIGNS

[In the battles for Moldavia, 1941-1944] V bolakh za Moldaviu (1941-1944). Kishinev, Kartia moldoveniaske, 1964. 302 p.

## MOLDING (FOUNDING)

Automatic proportioning and simultaneous application in layers of the faring and backing mud on the pattern. I. N. Afanasulak and others. Lit. proizv. no. 6-6-0. Je '64.

Casting aluminum brackets for blast furnaces. D. A. Iurchenko, Biul. tekhn. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 10 no. 3-11-12. Mr. '65.

Casting into ceramic molds of shape-forming parts for die casting. Sh. S. Katsiadze, S. P. Gulian. Lit. proizv. no. 6-37. Je '64.

## MOLECULAR BIOLOGY

Study of the phenomena of life on lifeless objects. V. A. Engel'gardt. Priroda. 54 no. 5-17-10. My '65.

Theory of globule-coil transitions in macromolecules. O. B. Ptitsyn, I. U. E. Elner. Biofizika. 10 no. 1-3-6. '65.

## MOLECULAR DYNAMICS

Teleshtin, R. V. [Molecular physics] Molekulyarnaya fizika. Moskva, Vysshaya shkola, 1965. 207 p.

## MOLECULAR SPECTRA

Duration of the fluorescence of complex molecules. A. N. Sevchenko, L. G. Tikilik, M. I. A. Kostko. Dokl. AN SSSR. 162 no. 1-57-59. My '65.

Vibration spectrum of pyrene and its interpretation. O. V. Nefedov, O. V. Fialkovskaya. Ukr. fiz. zhur. 10 no. 4-416-419. Ap '65.

## MOLECULAR STRUCTURE

n-Cholinolytic activity and electronic structure of the molecule. I. V. Komissarov. Biul. eksp. biol. i med. 59 no. 4-57-60. Ap '65.

## MOLECULAR STRUCTURE (Continued)

- Compressibility and molecular structure of liquids. Part I: Compressibility of n-paraffins and their mutual solutions. O. Z. Holyk, I. I. Adamenko. *Ukr. fiz. zhur.* 10 no. 4:113-149 Ap '65.
- Polarization-diffractometric study of the formation of a supermolecular structure in a solution of spiral polypeptide. V. G. Baranov, T. I. Voklov, S. I. A. Fienkei. *Dokl. AN SSSR* 162 no. 4:636-638 Je '65.
- Structure of maltes and the sense of smell. I. G. Lundland, B. Chapchinska. *Triroda* 51 no. 4:41-45 Ap '65.
- Symmetry and dimensions of the elementary cell of polytrifluoroethylene. E. L. Galt'perin, I. V. Strogalin. *Vysokom soed.* 7 no. 1:16-18 Ja '65.
- Tsvetkhi, V. M. [Quantum mechanics and the theory of molecular structure] *Kvantovaya mekhanika i teoriya stroeniya molekul.* [Moskva] Izd-vo Mosh. univ., 1965. 163 p.

## MOLECULAR WEIGHTS

- Changes in molecular weights of lignosulfonic acids in the process of sulfite pulping of spruce wood. I. A. V. Nikitin, M. G. Elashberg. *Bum prom.* no. 14-6 Ja '65.
- Characteristics of nucleic acid preparations. Determination of molecular weight of DNA based on its characteristic viscosity. D. M. Spilkovskii. *Sov. metod v biokhim.* 1:220-236 '64.
- Determination of molecular weight and molecular weight distribution of polytetraamethylene oxide. *Vysokom soed.* 7 no. 1:70-73 Ja '65.
- Effect of molecular weights on the dynamic mechanical properties of cis-1,4-butadiene synthetic rubber. A. I. Marai, F. A. Sidorovich. *Kauch. rez.* 21 no. 4:1-1 Ap '65.
- Values of the molecular weight of a mixture of crystalline myogen A and dehydrogenase of d-glyceraldehyde-3-phosphate from the muscles of a rabbit. P. D. Dvornikova and others. *Ukr. biokhim. zhur.* 34 no. 3:327-337 '62.

## MOLECULES

- Atomic and molecular orientation by resonance radiation in outer space. D. A. Varshavovich. *Astron. zhur.* 42 no. 3:557-566 My-Je '65.
- Population inversion brought about by thermal dissociation of molecules in a shock wave. A. N. Orlovskii. *Zhur. eksp. i teor. fiz.* 40 no. 4:1150-1154 Ap '65.
- Study of the "shaking" of electron shells of oriented molecules containing  $p^2$ . I. B. Berlovich, L. M. Kutentov, V. G. Fleisher. *Zhur. eksp. i teor. fiz.* 40 no. 1:1013-1021 Ap '65.
- Studying molecular interaction in solutions from Raman scattering line contours. N. I. Resayev, K. Shekhanian. *Vest. Mosh. un. Ser. 3: Fiz., astron.* 20 no. 2:13-19 Mt-Ap '65.

## MOLECULES—OSCILLATIONS

- Oscillations in a system of two-level molecules and a radiation field. V. P. Chel'tsov. *Zhur. eksp. i teor. fiz.* 48 no. 4:1139-1145 Ap '65.

## MOLES (ANIMALS) see subdivision under Carpathian Mountain region

## MOLLUSKS, FOSSIL see subdivision under Dnieper Valley; Kyzyl Kum

## MOLLUSKS AS CARRIERS OF DISEASE see subdivision under Altai Mountains

## MOLTEN METALS see Liquid metals

## MOLYBDENUM

- (see also subdivision under Kadzharan, Armenia; Transbaikalia)
- Diffusion of trivalent molybdenum in a medium of fused alkali metal chlorides. M. V. Smirnov, O. A. Ryzhik, G. N. Kazantsev. *Elektrokhirmiya* 1 no. 1:59-62 Ja '65.

## MOLYBDENUM—ANALYSIS

- Determination of small amounts of tungsten in molybdenum and its compounds. A. V. Vinogradov, M. I. Dronova. *Zhur. anal. khim.* 20 no. 3:343-346 '65.

## MOLYBDENUM—CORROSION

- Passivity of molybdenum. A. A. Pozdeeva, E. I. Antonovskaya, A. M. Sukhotin. *Zashch. met.* 1 no. 1:21-25 Ja-F '65.

## MOLYBDENUM—PHYSIOLOGICAL EFFECT

- Effect of molybdenum on peripheral choline- and adreno-reactive systems in the organism. A. G. Chilingarian. *Izv. AN Arm. SSR, Biol. nauki* 18 no. 4:20-36 Ap '65.

## MOLYBDENUM CATALYSTS

- Catalytic conversion of acetylene on molybdenum catalysts in the vapor phase. A. N. Saibayev, I. P. Kirillov. *Izv. vys. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:918-952 '61.

## MOLYBDENUM COMPOUNDS

- Ammonolysis of pentavalent and hexavalent molybdenum oxochlorides. I. U. A. Buzlaev, A. A. Kuznetsova, L. F. Goracheva. *Izv. AN SSSR, Neorg. mat.* 1 no. 1:142-149 Ja '65.

## MOLYBDENUM ISOTOPES—DECAY

- On  $Mo^{90}$  decay. E. P. Grigor'ev and others. *Izv. AN SSSR, Ser. fiz.* 20 no. 5:721-728 My '65.

## MOLYBDENUM ORES see subdivision under Uzbekistan

## MOLYBDENUM PLATING

- Electrodeposition of molybdenum and tungsten from formamide solutions. A. L. Levinas. *Elektrokhirmiya* 1 no. 1:115-117 Ja '65.

## MOLYBDENUM-SILICON-CHROMIUM ALLOYS—METALLOGRAPHY

- Structure and properties of alloys in the system molybdenum-silicon-chromium. V. N. Svechnikov, I. U. A. Kocherzhinskii, L. M. Iupko. *Sbor. nauch. trud. Inst. metallofiz. AN URSSR* no. 20:94-107 '64.

## MOLYBDENUM-TUNGSTEN ALLOYS—TESTING

- Diffusion in a binary molybdenum-tungsten alloy. D. F. Kalinovich, I. I. Kovenskii, M. D. Smolin. *Porosh. met.* 5 no. 4:70-82 Ap '65.

## MOLYBDENUM-ZIRCONIUM-TUNGSTEN ALLOYS see Tungsten-molybdenum-zirconium alloys

## MONACO—CAVES

- Karat cave in the principality of Monaco. I. U. A. Biakov. *Peshchery* no. 4:69-70 '61.

## MONASTERIES see subdivision under Tatev (Armenia)

## MONGOLIA—BEAVERS

- Ecologic characteristics of the habitat and prospects for the development of South Asiatic beaver colonies in the Bulgan River. L. S. Lavrov and others. *Bull. MOIP, Old. biol.* 70 no. 2:25-33 Mr-Ap '65.

## MONGOLIA—EDUCATION

- In the schools of Mongolia. A. Zainochkovskii. *Nar. obr.* no. 5:44-46 My '65.

## MONGOLIA—HISTORIOGRAPHY

- The current history of Mongolia in bourgeois historiography and publicism. M. I. Gol'man. *Krit. sob. knizn.* 42 no. 85:169-186 '64.

## MONGOLIA—WORMWOOD

- Occurrence of the wormwood *Artemisia frigida* Willd. in the Mongolian People's Republic. I. U. M. Miroshnichenko. *Bot. zhur.* 50 no. 3:420-425 Mr '65.

## MONILIALES

- Study of collinolytic enzymes of *Myrothecium verrucaria*. R. V. Feniksova and others. *Dokl. AN SSSR* 162 no. 3:702-701 My '65.

## MONKEYS—DISEASES AND PESTS

- Case of noma in the Sukhba nursery of the Institute of Experimental Pathology and Therapy. L. V. Dan'ko, M. A. Khagush. *Ark. pat.* 27 no. 2:82-84 '65.

## MONKEYS AS LABORATORY ANIMALS

- Reproduction of typhoid fever infection in the lower monkeys of the rhesus macaque type. G. O. Popova. *Trudy TSU* 66:93-97 '64.

## MONOMERS

- Block polymerization of some allyl and acryl monomers. M. G. Korchev, V. V. Koshak, S. V. Vinogradova. *Vysokom soed.* 7 no. 1:150-155 Ja '65.
- Mechanism of a polymeric phase formation in monomer crystals. I. M. Papisov, V. A. Kabanov, V. A. Kargin. *Dokl. AN SSSR* 162 no. 1:130-139 My '65.
- Obtaining new monomers on a base of butadiene. I. A. M. Pashkin, A. G. Iuzvink. *Trudy MINKIMP* no. 44:27-33 '63.

## MONOSACCHARIDES

- Monosaccharides. Report No. 6: Synthesis of D-chalcose. N. K. Kochetkov, A. I. Usov. *Izv. AN SSSR, Ser. khim.* no. 3:492-496 '65.

## MONSTERS

- Rare case of parasitic monstrosity in a child. I. K. Gradauskas. *Vest. khir.* 92 no. 6:94-96 Jo '64.

## MONTMORILLONITE

- (see also subdivision under Moldavia)
- Capillary aggregates of a mineral of the montmorillonite group. A. F. Korzhinskii. *Zap. Vses. min. ob-va* 94 no. 2:219-224 '65.

## MONTMORILLONITE—ADSORPTIVE PROPERTIES

- Structure of the adsorbed water of kaolinite and montmorillonite. M. V. Slonimskaya, T. S. M. Ratiburd. *Dokl. AN SSSR* 162 no. 1:170-178 My '65.

## MOON

- Problems and methods of selenology. G. N. Katterfeld. *Izv. Vses. geog. ob-va* 97 no. 2:204-207 Mr-Ap '65.

## MOON—SPECTRA

- Luminescence in the crater Aristarchus. M. M. Myronova. *Dop. AN URSSR* no. 4:455-459 '65.
- Spectral characteristics of the crater Aristarchus and its surroundings. M. N. Mitonova. *Izv. Kom. po fiz. plan.* no. 4:28-30 Ag '63.

## MOON—SURFACE

- Experience gained from a comparison of the indicators of scattering of the lunar surface and the telluric pyroclastic covering. V. V. Sharonov. *Izv. Kom. po fiz. plan.* no. 4:24-27 Ag '63.
- Experience gained in comparing lunar surfaces with certain volcanic coverings. I. I. Lebedeva. *Uch. zap. LGU* no. 326:90-103 '64.
- Principal structural elements of the moon and the geographical and geological methods of studying them. I. U. A. Khodak. *Izv. Kom. po fiz. plan.* no. 4:16-23 Ag '63.

## MOON—TEMPERATURE AND RADIATION

- Some results of a study of the moon by radiophysical methods. V. S. Troitskii. *Izv. Kom. po fiz. plan.* no. 4:3-9 Ag '63.

## MOOSE see subdivision under Barguzin Preserve, Barguzin Range

## MORAL EDUCATION

- (see also subdivision under Chernovitsy)
- According to heroic traditions. V. Gromov. *Nar. obr.* no. 5:44-45 My '65.
- Character training of students based on heroic deeds. I. I. Monoszon. *Sov. pedagog.* 29 no. 5:80-84 My '65.
- Determining the level of student training. E. V. Bendarevskaya. *Sov. pedagog.* 29 no. 1:122-131 Ap '65.
- Don't live only for yourself. Z. Rykhn. *Dashk. vosp.* 36 no. 1:38-40 Ja '65.
- Friendship between students and soldiers. S. Rodovskii. *Nar. obr.* no. 5:40-42 My '65.
- Judgment of the community as a means of training in moral strength. R. Kh. Shukurov. *Rad. shk.* 44 no. 5:47-52 My '65.
- Problems of the theory and methods of moral education. V. I. Ilin, S. Petrichenko. *Sov. pedagog.* 29 no. 1:154-156 Ap '65.
- The school is named after a hero. A. Stanulionis. *Nar. obr.* no. 5:12-13 My '65.
- Some theoretical prerequisites for the training system in schools. N. K. Goncharov. *Sov. pedagog.* 29 no. 5:25-39 My '65.
- Tashkent, Universitet. [Problems of training] *Voprosy vospitaniya*. Tashkent, 1961. 127 p. (Ist. Trudy, no. 192. Pedagogicheskie nauki, no. 1)
- We are training them to be truthful and modest. A. Chebotarev and others. *Dashk. vosp.* 36 no. 1:8-19 Ja '65.

## MORAVIA—CAVES

- Formation and development of cave horizons in the Moravia karst province. V. Panos. *Peshchery* no. 4:38-48 '61.

## MORPHINE

- Effect of morphine on the electric activity of individual bulbar respiratory neurons. A. A. Granlyin'. *Biol. eksp. i med.* 59 no. 4:53-57 Ap '65.

## MORTALITY

- Fatal complications following fractures of the femoral neck. A. Z. Amelin. *Vest. khir.* 92 no. 6:50-52 Je '64.

## MORTIFICATION (PATHOLOGY) see Gangrene

## MOSCOW—AGRICULTURAL MUSEUMS

- A unique collection of soil samples. I. D. Gromyko, N. P. Kolpenskaya, O. S. Rostovskaya. *Izv. TSUHA* no. 5:228-236 '64.

## MOSCOW—AIRPORTS

- "Domodedovo" Air Terminal. V. Ushakov. *Stroitel. arkhit. Mosk.* 14 no. 4:29-32 Ap '65.

## MOSCOW—ART—EXHIBITIONS

- Picturesque Russia. N. Melakhov. *Oktabr'* 41 no. 6:203-205 My '65.

## MOSCOW—AUDITING AND INSPECTION

- Important form of financial control. E. A. Alyzov, M. Samyshekin. *Fin. SSSR* 39 no. 5:62-63 My '65.
- Use possibilities to better advantage. I. Konstantinov. *Fin. SSSR* 39 no. 5:40-42 My '65.

## MOSCOW—AUTOMOBILE ENGINEERING—STUDY AND TEACHING

- The 25th anniversary of the Moscow Institute of Automobile Engineering. *Avt. prom.* 31 no. 4:3 of cover Ap '65.

## MOSCOW—AUTOMOBILE INDUSTRY

- A forge of specialists. A. Piskunskii. *NTO* 7 no. 4:36-38 Ap '65.

- MOSCOW—AUTOMOBILE INDUSTRY (Continued)**  
 Making forgings at the forge of the Moscow plant of small cylinder capacity automobiles. M. G. Ratner. Kuz - stian prom. 7 no. 3:37-42. My '65.
- MOSCOW—BONUS SYSTEM**  
 Improving the forms of material incentives for technological progress. V. I. Mishin. Vest Mosk un Ser. 8. Ekhn., filos. 20 no. 3:10-18. My-Je '65.
- MOSCOW—BOTANICAL GARDENS**  
 Exhibition on the "History of cultivated plants of our homeland" at the Main Botanical Garden. V. F. Verzhilov, D. V. Gorunov, P. P. Voronina. Biol. Glav bot. sada no. 56:82-89. '64.
- MOSCOW—BUILDING**  
 Conscience of a construction. V. Zaitornitskii. Inform. biul. VDNKH no. 4:1-6. Ap '65.
- MOSCOW—CABLES**  
 Scientific and labor. E. Gerasimenko. Fin. SSR 39 no. 5:48-49. My '65.
- MOSCOW—CHEMICAL INDUSTRIES—CONGRESSES**  
 Fourth International Conference of the Workers of the Chemical and Petroleum Industries and Related Branches of Industry. V. Makel'skii. Neftianik 8 no. 5:3-4. My '63.
- MOSCOW—CITY PLANNING**  
 Along the Dmitrov Road. I. Lovéto. Stroitel. Arkhit. Mosk., 14 no. 4:1-5. Ap '65.
- MOSCOW—CIVIL DEFENSE**  
 At a post from her youth. M. Iur'ev. Voen. znani, 41 no. 3:18-19. Mr '65.  
 Basis of the whole matter. L. Serko. Voen. znani, 41 no. 5:22-23. My '65.
- MOSCOW—CLOTHING INDUSTRY**  
 Direct ties and the wholesale trade of clothing goods. D. Zamkovskii. Sov. torg. 38 no. 1:25-27. Ap '65.
- MOSCOW—CLOTHING INDUSTRY—ACCOUNTING**  
 Accounting for orders in a production combine. M. Bishaev, V. Lukin. Bukhg. uchët 21 no. 10:30-32. O '64.
- MOSCOW—COMMUNIST EDUCATION**  
 Development of the communist world view in primary school students. K. A. Krasnova. Nach. shkola 33 no. 2:3-6. F '65.
- MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION**  
 One secretary asks, another answers. I. Goloditskii, I. Kononov. Part. zhizn' no. 10:34-37. My '65.
- MOSCOW—COMPUTATION LABORATORIES**  
 Computation center of the ocean and river fleet in Moscow. I. Murovanyi. Rech. transp. 24 no. 3:58. '65.
- MOSCOW—CONSTRUCTION EQUIPMENT**  
 Moscow. Glavnoe upravlenie po zhilishchnomu i grazhdanskomu stroitel'stvu. [New machinery and advanced practices at construction projects in Moscow, 1954-1964]. Novaya tekhnika i peredovoi opyt na stroikakh Moskvy (1954-1964 gg.). Moskva, Stroiizdat, 1965. 230 p.
- MOSCOW—COURTS**  
 Determination of cases of juvenile offenses by the City Court of Moscow. E. Gorskova. N. Gukovskaya. Sov. iust. 29 no. 10:26. My '65.
- MOSCOW—DEPARTMENT STORES**  
 Department store and its branches. L. Bykova. Sov. torg. 38 no. 5:23-24. My '65.
- MOSCOW—DISABILITY EVALUATION**  
 Work of a specialized disability evaluation committee. I. Lososkov. Sots. obshch. 26 no. 4:24-25. Ap '65.
- MOSCOW—EDUCATION—CONGRESSES**  
 Research and teaching conference of the Moscow vocational education workers. Prof. -tekh. obr. 22 no. 4:4-5. Ap '65.
- MOSCOW—ELECTRONIC DATA PROCESSING—TURNING**  
 Use of electronic computers for the establishment of work norms. G. Slutskii, A. Semenov. Sots. trud 10 no. 2:84-82. '65.
- MOSCOW—EXHIBITIONS**  
 Agriculture. Inform. biul. VDNKH no. 5:37. My '64.  
 Agriculture. Inform. biul. VDNKH no. 10:34-37. O '63.  
 Building. Inform. biul. VDNKH no. 10:34. O '63.  
 Exhibition and review of the achievements of innovators in machinery manufacture. B. K. Kharitonov. Trakt i sel'khoz. mash. no. 3:47-48. Mr '65.  
 Exhibitions and displays of special items. Inform. biul. VDNKH no. 10:11. O '63.
- Exhibitions and displays of special items. Inform. biul. VDNKH no. 10:16. O '63.  
 Exhibitions and displays of special items. Inform. biul. VDNKH no. 10:24-27. O '63.  
 Exhibitions of special items. Inform. biul. VDNKH no. 5:33-35. My '64.  
 From the stands of the Exhibition of the Achievements of the National Economy of the U.S.S.R. to production. A. Blidman. Muk. -elev. prom. 31 no. 5:7-8. My '65.  
 Gardening, viticulture and bee culture at the Exhibition of the Achievements of the National Economy in 1964. N. F. Babayev. Inform. biul. VDNKH no. 5:20-21. My '64.  
 Industry and transportation. Inform. biul. VDNKH no. 5:36-37. My '64.  
 Industry and transportation. Inform. biul. VDNKH no. 10:33-34. O '63.  
 Machines of the German Democratic Republic for the mechanization of animal husbandry. E. S. Kosenko. Trakt i sel'khoz. mash. no. 3:42-45. Mr '65.  
 New exhibits. Inform. biul. VDNKH no. 10:28-30. O '63.  
 Science, education, culture. Inform. biul. VDNKH no. 5:37-38. My '64.  
 Science, education, culture. Inform. biul. VDNKH no. 10:37. O '63.  
 To be seen at the Exhibition of Achievements of the National Economy of the U.S.S.R. Sied. spets. otn. 12 no. 1:4-7. Ap '65.
- MOSCOW—FINANCE**  
 Important form of financial control. E. Ahyzov, M. Sanyshkin. Fin. SSR 39 no. 5:62-63. My '65.
- MOSCOW—FLOUR MILLS—EQUIPMENT AND SUPPLIES**  
 Litsevitich, V. A. [Experience in the mechanization of the handling of ready production in Moscow Milling Combines No. 3, and No. 4]. Opyt mekhanizatsii rabot s gotovoi produktsei na moskovskikh mol'kombinatakh no. 3 i 4. Pod red. N. A. Govorova. Moskva, TSentr. pravleniye nauchno-tekhn. ob-va mukomol'nol i krupnol. promyshl. i elevatornogo khoz., 1964. 33 p.  
 [MICROFILM]  
 Practices in the use of pneumatic tubes at the plant of the Moscow Milling Combine No. 1. V. Pliarenko, Zh. Chernavskaya. Muk. -elev. prom. 31 no. 5:15-16. My '65.
- MOSCOW—GAS, NATURAL—STORAGE**  
 Underground storage of gas for Moscow. M. V. Sudorenko, V. I. Khalatin. Gaz. prom. 10 no. 3:47-52. '65.
- MOSCOW—GRAIN—STORAGE**  
 For you, the inquisitive ones. Zakup. sel'khoz. prod. no. 5:61. My '64.
- MOSCOW—HARBOR**  
 Business accounting within individual sections of the Southern Port of Moscow. A. Glebov. Rech. transp. 24 no. 3:58-59. '65.  
 Economic council in operation. A. Glebov. Bukhg. uchët 21 no. 10:29-30. O '64.
- MOSCOW—HISTORICAL LIBRARIES**  
 State Historical Public Library as a help to a historian of the U.S.S.R. M. K. Starokadomskaya. Ist. SSSR 9 no. 1:218-223. Ja-F '65.
- MOSCOW—HOTELS, TAVERNS, ETC.**  
 Twenty-story hotels for Smolensk Square. V. Sokolov. Stroitel. Arkhit. Mosk., 14 no. 4:10-12. Ap '65.
- MOSCOW—INDUSTRIAL MANAGEMENT**  
 Toward world standards. N. Razumov. Kommunist 42 no. 8:57-64. My '65.
- MOSCOW—INDUSTRIES**  
 Razumov, N. A. [Technological progress and the economic efficiency of production]. Tekhnicheskii progress i ekonomichnost' proizvodstva. [Moskva] Mosk. rabochii, 1965. 125 p.
- MOSCOW—INSTRUMENT INDUSTRY—ACCOUNTING**  
 Accounting for materials and the potentials of production. R. Gol'dina. Bukhg. uchët 22 no. 4:46-50. Ap '65.
- MOSCOW—INSTRUMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
 On the level of the best standards in the world. S. Aleksandrov. NTO 7 no. 4:10-12. Ap '65.
- MOSCOW—JUVENILE DELINQUENCY**  
 Determination of cases of juvenile offenses by the City Court of Moscow. E. Gorskova, N. Gukovskaya. Sov. iust. 29 no. 10:26. My '65.
- MOSCOW—LIBRARIES**  
 Lecturing bureau in the library. T. Pradkina, D. Fedorov. Bibliotekar' 42 no. 3:27-30. Mr '65.
- MOSCOW—LIBRARIES AND READERS**  
 Resulting from inquiries of readers. S. Zhelezniak, Bibliotekar' 42 no. 3:16-18. Mr '65.
- MOSCOW—LIGHTWEIGHT CONCRETE PRODUCTS**  
 Dovzhik, V. G., and others. [Manufacturing keramzit concrete products with an admixture of microfoaming agents, practices of Plant No. 21 for Large Wall Blocks of the Main Administration for Building Materials of the City of Moscow]. Proizvodstvo keramzitobetonnykh izdelii s dobavkoi mikropenoobrazovatelei; opyt zavoda krupnykh stenyvnykh blokov No. 21 Glavmospromstroimaterialov. Moskva, Stroiizdat, 1964. 30 p.  
 [MICROFILM]
- MOSCOW—MACHINE-TOOL INDUSTRY—COSTS**  
 Distribution of expenditures for the maintenance and operation of equipment. A. Minevskii. Bukhg. uchët 22 no. 3:44-45. Mr '65.
- MOSCOW—MACHINERY INDUSTRY—ACCOUNTING**  
 The accountant in the effort to combat losses resulting from waste. N. Ulanov. Bukhg. uchët 21 no. 10:10-41. O '64.
- MOSCOW—MACHINERY INDUSTRY—MANAGEMENT**  
 Increasing the technical level, quality, reliability and durability of the output of the machinery industry. N. A. Razumov. Biol. tekhn. -ekon. Inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 10 no. 3:7-8. Ma '65.
- MOSCOW—MECHANICAL DRAWING—STUDY AND TEACHING**  
 A unified graphic system. D. G. Mitonov. Shkola i prodv. 9 no. 5:17-52. My '65.
- MOSCOW—MILITARY EDUCATION**  
 We are working according to plan. I. Kozharyev. Voen. znani, 41 no. 3:37. Mr '65.
- MOSCOW—MOTORBUS LINES**  
 One secretary asks, another answers. I. Goloditskii, I. Kononov. Part. zhizn' no. 10:34-37. My '65.
- MOSCOW—OLD AGE HOMES**  
 Creatively with inventiveness. . . N. Krasova. Sots. obshch. 26 no. 4:31-35. Ap '65.
- MOSCOW—PETROLEUM INDUSTRY—CONGRESSES**  
 Fourth International Conference of the Workers of the Chemical and Petroleum Industries and Related Branches of Industry. V. Makel'skii. Neftianik 8 no. 5:3-4. My '63.
- MOSCOW—PHILOSOPHERS**  
 Philosophers discuss. I. A. Kozikov. Vest Mosk un Ser. 8. Ekhn., filos. 20 no. 3:90-93. My-Je '65.
- MOSCOW—POLICE**  
 [Jerusalem of everyday life; sketches and stories about the Moscow Red Banner Militia]. Gerolka budnei, ocherki i rasskazy o Moskovskoi krasnoznamennoi militsii. [Moskva] Moks. izobrazh., 1964. 262 p.  
 (CSU-II)
- MOSCOW—PRECAST CONCRETE CONSTRUCTION**  
 Levitan, E. P., N. L. Targanekii, and K. B. Ezdria. [Assembling precast reinforced concrete roofs for large-panel buildings; practices of the Main Construction Administration of the City of Moscow]. Montazh stornykh zhelezobetonnykh krysh krupnopanel'nykh zdaniy; iz opyta Glavmosstroia. Moskva, Stroiizdat, 1964. 31 p.  
 Precast reinforced concrete for tunneling. V. V. Iakoba. Bet. i zhel.-bet. 8 no. 9:380-382. S '63.
- MOSCOW—PROSTHESIS**  
 Their heroism will not be forgotten. P. Chernenko. Sots. obshch. 26 no. 4:40-48. Ap '65.
- MOSCOW—PSYCHIATRIC HOSPITALS**  
 Fifty years of the Z. P. Solov'ev Moscow City Clinical Psychiatric Hospital No. 8. V. D. Denisov, Zhur. novr. i psikh. 65 no. 5:772-774. '65.
- MOSCOW—RADIO STATIONS**  
 As disclosed by the documents. A. Nikolaenko. Radio no. 4:6-7. Ap '65.
- MOSCOW—RAILROADS—EMPLOYEES**  
 Necessary clarification. I. I. Smirnov. Vop. ist. KPSS 9 no. 6:87-98. Je '65.
- MOSCOW—RAILROADS—STATIONS**  
 Reconstruction of the Kursk Railroad Station. G. Voloshin. Stroitel. Arkhit. Mosk., 14 no. 4:26-28. Ap '65.
- MOSCOW—RESTAURANTS, LUNCHROOMS, ETC., —HEATING AND VENTILATION**  
 Operation of gas infrared radiators. K. N. Pravoverov, M. A. Masyukii, Zh. Mirzolan. Gaz. prom. 10 no. 3:7-12. '65.
- MOSCOW—ROOFING, CONCRETE**  
 Levitan, E. P., N. L. Targanekii, and K. B. Ezdria. [Assembling precast reinforced concrete roofs for large-panel buildings; practices of the Main Construction Administration of the City of Moscow]. Montazh stornykh zhelezobetonnykh krysh krupnopanel'nykh zdaniy; iz opyta Glavmosstroia. Moskva, Stroiizdat, 1964. 31 p.

## MOSCOW—STORES, RETAIL

A "Ulut" store L Ermilina Sov tolg 38 no 5:33-35 My '65

## MOSCOW—STUDENT TEACHING

Pedagogical practice of physics students. L. I. Ventskovskii. Vuch i ned shkola 8 no 2:28-30 Mr-Apr '65.

## MOSCOW—STUDENTS' SOCIETIES

About one group of students of the history of the party. T. N. Lvova Vop, ist KPSS 9 no 6:153-154 Je '65

## MOSCOW—TECHNOLOGICAL INNOVATIONS

Improving the forms of material incentives for technological progress V. I. Mishin Vest. Mosk. un Ser 8: Ekon, filos 20 no 3:10-18 My-Je '65

Razumov, N. A. [Technological progress and the economic efficiency of production] Tekhnicheskii progress i ekonomichnost' proizvodstva. [Moskva] Mosk. rabochii, 1965 125 p.

## MOSCOW—TELECOMMUNICATION—EMPLOYEES

For the timely fulfillment of the seven-year plan and high quality of work Vest. svyazi 25 no 3 3:42 Mr '65

## MOSCOW—TEXTILE INDUSTRY—ACCOUNTING

First results of a centralized bookkeeping office A. Denisov. Bukhg. uchët 22 no 3 3:11 Mr '65

## MOSCOW—TEXTILE INDUSTRY—MANAGEMENT

Seeing what the future holds A. B. Lukova. NTO 7 no 3 35-36 Mr '65

## MOSCOW—TROLLEYBUSES—MAINTENANCE AND REPAIR

Why the trade-union plant committee is indifferent V. Zennol. Sov profsoyuz 21 no 10:19 My '65

## MOSCOW—TUNNEL LINING

Precast reinforced concrete for tunneling. V. V. Yakobson Bet i zhel'-bet. 8 no 9 389-392 S '63

## MOSCOW—VOCATIONAL EDUCATION

A forge of specialists. A. P. Pismenskii NTO 7 no 4: 35-36 Ap '65.

## MOSCOW—WAGES—AUTOMOBILE INDUSTRY

Specifications which are necessary to make. P. Gol'danskii Sots. trud 10 no 2:21-24 '65.

## MOSCOW—WAGES—PIPE INDUSTRY

The foreman's fund. I. A. Kagan. Sots. trud 10 no 2: 39-41 '65.

## MOSCOW—WATER, UNDERGROUND

Underground waters of the Carboniferous sediments of Moscow and the variation of their condition under the effect of their utilization over a period of many years. A. A. Gavrilukhina. Nauch. trudy AKKH no. 27:71-85 '64.

## MOSCOW—WATER SUPPLY

Underground waters of the Carboniferous sediments of Moscow and the variation of their condition under the effect of their utilization over a period of many years. A. A. Gavrilukhina. Nauch. trudy AKKH no. 27:71-85 '64.

## MOSCOW—WIRE BROADCASTING

Development of wire broadcasting in Moscow I. A. Shamshin. Vest. svyazi 25 no 5 24-25 My '65.

## MOSCOW—WOODWORKING MACHINERY

Automatic production of board-type articles. M. D. Sakharov, V. G. Kirillov. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no 3:36-38 Mr '65.

## MOSCOW ECONOMIC REGION—COST ACCOUNTING

In the Moscow Economic Council. Bukhg. uchët 21 no. 10:77 O '64.

## MOSCOW ECONOMIC REGION—LOOMS

Experience of the Pavlovo-Pokrovsk Factory in the adjustment of looms. V. V. Chizhov Tekst. prom 25 no 3:30-40 Mr '65.

## MOSCOW PROVINCE—FEEDS—MATHEMATICAL MODELS

Maximum feeds from a minimum area. O. Nazarova. Ekon. sel'khoz. 40 no 5:49-55 My '65

## MOSCOW PROVINCE—ICE CREAM INDUSTRY—MANAGEMENT

Potentialities of the refrigeration industry. A. Stepanov. Fin. SSSR 39 no 5:85-90 My '65.

## MOSCOW PROVINCE—ROADS—MAINTENANCE AND REPAIR

Fighting twenty-five years for a good organization of road maintenance. I. F. Gavrilov. Avt. dor. 28 no 3:10-11 Mr '65.

## MOSCOW PROVINCE—ROCKS, CARBONATE

Carbonate rocks as a raw material for the lining of some soils based on a study of the surrounding regions of the "Dubki" training farm in the Naro-Fominsk region, Moscow Province V. P. Bondarev Izv. vys. ucheb. zav., geol. i razv. 7 no 11:66-78 N '64

## MOSCOW PROVINCE—SOIL ACIDITY

Carbonate rocks as a raw material for the lining of some soils based on a study of the surrounding regions of the "Dubki" training farm in the Naro-Fominsk region, Moscow Province V. P. Bondarev. Izv. vys. ucheb. zav., geol. i razv. 7 no 11:66-78 N '64

## MOSCOW PROVINCE—STATE FARMS

Gardens in Moscow region should flourish. I. Pavlov. Inform. bul. VDNKH no 4:23-25 Ap '65

## MOSCOW PROVINCE—WATER, UNDERGROUND

Formation of the waters of Carboniferous sediments in the central part of the Moscow artesian basin. A. S. Belitskii. Nauch. trudy AKKH no 27 53-70 '64. Hydrogeological and sanitary conditions governing the use of underground waters in Moscow Province. A. S. Belitskii. Nauch. trudy AKKH no. 27:40-52 '64.

Practice in using underground waters in Moscow Province. N. F. Gullayev. Nauch. trudy AKKH no. 27:13-39 '64.

## MOSCOW PROVINCE—WATER, UNDERGROUND—COMPOSITION

Use of the underground waters of ferruginized horizons in Moscow Province. L. N. Grishenkova, N. F. Gullayev. Nauch. trudy AKKH no. 27:114-123 '64.

## MOSCOW PROVINCE—WATER SUPPLY

Hydrogeological and sanitary conditions governing the use of underground waters in Moscow Province. A. S. Belitskii. Nauch. trudy AKKH no. 27:40-52 '64. Practice in using underground waters in Moscow Province. N. F. Gullayev. Nauch. trudy AKKH no. 27:13-39 '64.

## MOSCOW REGION—LEPTOSPIROSIS

Results of the examination of the population of Moscow and its suburbs for leptospirosis. L. A. Marapulets Trudy ISIU 68:55-57 '64.

## MOSQUITOES

(see also subdivision under Crimea)

Autogenous development of the ovaries in bloodsucking mosquitoes L. B. Vinogradova Zool. zhur 44 no 2: 210-219 '65

Probability of tularemia infections in man in a focus of floodplain type D. I. Briksman. Zhur. mikrobiol., epid. i immunit. 12 no 4 18-20 Ap '65.

## MOSES

(see also subdivision under Darguzin Range; Glubokoye, Lake, Antarctica)

Phenomenon of amorphomorphism in mooses. A. S. Lazarev Dokl. AN SSSR 162 no 1:962-964 Je '65

## MOTION

Investigating the steady motion of a string along a rough cylindrical surface V. A. Svetitskii, V. I. Gubinsk. Izv. vys. ucheb. zav., mashinostr. no 4:23-35 '65

Some problems involving the optimum motion of a point. I. U. Z. Alekshov. Vest. LGU 20 no 7 78-86 '65

Some problems of the dialectics of the contradiction of motion. V. A. Bosenko. Nauch. dokl. vys. shkoly, filos. nauk 7 no 5:107-112 '64.

## MOTION-PICTURE INDUSTRY—HYGIENIC ASPECTS

Improving the non-actinic lighting in the processing of black-and-white positive films. L. I. Reshilo Tekh. kino i telev. 9 no 5 26-31 My '65.

## MOTION-PICTURE JOURNALISM

Documentary motion-picture journalism: from materials of films by I. M. Kotenko and E. I. Uchitel'. S. I. Igoshin O. publits. i publits. no. 1:139-152 '64.

## MOTION-PICTURE PHOTOGRAPHY

The most important tasks in the development of substandard and motion-picture films. V. G. Komar, N. D. Bernshtein. Tekh. kino i telev. 9 no 5 9-17 My '65

## MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Modernization of the type 40P-1 developing machine. L. A. Lando, A. F. Iaroshovich Tekh. kino i telev. 9 no 5: 65-69 My '65 [Photographic and motion-picture equipment] Ref. zhur.; Fotoknotekh. no 5 My '65.

## MOTION-PICTURE PLAYS see subdivision under France

## MOTION PICTURES

Lebedev, N. A. [Outline history of motion pictures in the U. S. S. R.; silent films] Ocherk istorii kino SSSR, nemoz. kino, 2., perer., dop. izd. Moskva, Iskusstvo, 1965. 562 p. illus.

The problem of tragic conflict in the art of the motion picture G. I. Bogolepov Nauch. dokl. vys. shkoly, filos. nauk 7 no 5 89-94 '64.

Scientific and technological news. Tekh. kino i telev. 9 no 5 88-93 My '65.

Vol'sman, L. M. [Bourgeois philosophy and motion-picture art] Buzhuaznaya filosofiya i knozhskustvo, Moskva, Vses. gos. in-t khimiatografi. Nauchno-issl. kabinet, 1964. 65 p.

## MOTION PICTURES—ABSTRACTS

Abstracts Tekh. kino i telev. 9 no 5 80-86 My '65.

## MOTION PICTURES—CONGRESSES

From the materials of the 6th Congress of the International Union of Technical Cinematographic Associations E. M. Gaidovskii, G. Kashchikhov, B. N. Konoplev Tekh. kino i telev. 9 no 5 57-64 My '65.

## MOTION PICTURES, DOCUMENTARY

(see also subdivision under Ukraine)

Documentary motion-picture journalism, from materials of films by I. M. Kotenko and E. I. Uchitel'. S. I. Igoshin. O. publits. i publits. no. 1:139-152 '64

## MOTOI, HAJAJI

Professor Hajaji Motoi at Leningrad University. L. V. Zenina. Vest. LGU 20 no 8:165-166 '65.

## MOTOR SHIPS see subdivision under Irtysh River

## MOTOR SHIPS—MAINTENANCE AND REPAIR

Eight years without repair at a shipyard. N. Plesovskikh Rezh. transp. 24 no 3:32 '65

Technical maintenance of the diesel-electric ship "Belostasskiy" A. Dubovoy Rezh. transp. 24 no 4: 31-32 '65

## MOTOR SLEDGES

Lynan, G. S., and G. M. Tugenev. [Snow vehicles] Snegokhodki, Moskva, Izd-vo "Znanie," 1965, (Novoe v zhenii, nauke, tekhnike. IV Seriya: Tekhnika, no. 10)

## MOTOR VEHICLES

Bumshtein, S. I., and A. I. Natarov. [Manual for the driver of the second class; construction, maintenance and operation of motor vehicles] Uchebnoe posobie shofera vtorogo klassa, ustroystvo, tekhnicheskoe obsluzhivanie i ekspluatatsiya avtomobilov Moskva, DOSAAF, 1965. 485 p.

Parfenov, G. M. [Possibilities of winter transportation of lumber by motor vehicles] Rezervy zimnei vyvozki lesa avtomobilyami, Moskva, Tsentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-bumizhnoi, derevoobrabatывaushchei promyshl. i lesnomu khoz., 1964, 27 p. (Lesno-ekspluatatsiya)

## [MICROFILM]

Transportation of an activated mineral powder. B. E. Beliaev Avt. dor. 28 no 3:16 Mr '65

## MOTOR VEHICLES—AXLES

Calculating bending vibrations of the driving-axle housing of a motor vehicle by means of electric-simulation. G. A. Smirnov, V. B. Bulenov, S. I. Peshkov. Izv. vys. ucheb. zav., mashinostr. no 2 110-117 '65 Kinematic inadequacy of blocked wheel drive with an active breaking up and the IX2-type motor vehicle. B. A. Shestakov. Avt. prom. 31 no 5:13-17 My '65.

## MOTOR VEHICLES—ENGINES

Characteristics of the wear of cylinders of motor-vehicle engines. A. V. Lakedemon'skii and others. Avt. prom 31 no 4 14-17 Ap '65

Effect of climatic conditions in operating motor vehicle engines on their requirements in regard to the knock rating of gasoline. A. A. Gureev and others. Avt. prom. 31 no 5:7-10 My '65.

Mamedov, A. M. [Troubles with motor-vehicle and tractor engines] Nepspraynosti avtotraktovnykh dvigateli, Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniya, 1964, 26 p.

## [MICROFILM]

Using the method of electromechanical analogy in correcting the parameters of cylinder ribbing of an air-cooled engine. I. U. Zennin. Avt. prom 31 no 4:22-24 Ap '65

## MOTOR VEHICLES—ENGINES—VALVES

Increasing the wear resistance of the parts of a valve mechanism P. I. Zernskov. Avt. prom. 31 no 4 12-14 Ap '65

## MOTOR VEHICLES—EQUIPMENT AND SUPPLIES

Continuous line for the conservation of spare parts of motor vehicles. E. S. Borodin. Avt. prom. 31 no 4 42 Ap '65.

## MOTOR VEHICLES—FRAMES

Characteristics of the torsion of a motor-vehicle frame in case of a shift of the axis of rotation from the plane of the frame. M. N. Zaka, L. M. Leichuk. Avt. prom. 31 no 5:33-35 My '65.

## MOTOR VEHICLES—MAINTENANCE AND REPAIR

Antoshin, L. T., and V. A. Gul'lin. [Work practice of motor-vehicle service station no. 4 of the Administration for Construction of the Moscow Subway, and of the Automotive Transportation Department of the Administration for Construction of the Leningrad Subway in the maintenance and repair of motor vehicles] Opyt raboty avtomobil'noy stantsii i avtotransportnoy kontory Leningradskoy po tekhnicheskoy obsluzhivaniyu i remontu avtomobil'ov. Moskva, Ojgtransstrol, 1964. 31 p. [Tekhnicheskaya informatsiya]

[MICROFILM]

Boring brake drums of motor vehicles. P. Erudkh Tekhn. v sel'khoz. 25 no. 4-84 Ap '65

Goncharov, S. I. [Electromechanical lifting jack and nut setter] Elektromekhanicheskiy pod'emnik-galkovort. [Lipetsk] Lipetskoye knizhnoye izd-vo, 1963. 11 p. [Sovetskoye perenat]

Kleitman, S. L., and L. A. Lagunov. [Maintenance and repair of motor vehicles and trailers in automotive transportation units] Tekhnicheskoye obsluzhivaniye i remont avtomobil'ov i pripritspov v avtomobil'nykh Kharkov, Izd-vo Kharkovskogo univ., 1965. 420 p.

Vetlugin, F. G. [Reconditioning damaged motor-vehicle frames by electric welding] Vostanovleniye povrezhdennykh avtomobil'nykh ram elektrodugovoy svarkoi. Alma-Ata, Kazakhskiy nauchno-issled. i projektir. in-t avtomobil'nogo transp., 1961. 33 p.

[MICROFILM]

## MOTOR VEHICLES—RELIABILITY

Criteria of reliability and their determination in driving motor vehicles under variable operating conditions. P. T. Marinkovich. Avt. prom., 31 no. 5:1-4 My '65. Reliability of motor-vehicle structures. A. N. Ostrovskiy. Avt. prom., 31 no. 5:31-32 My '65.

## MOTOR VEHICLES—STANDARDS

Weight parameters and overall sizes of motor vehicles. N. I. Korotkoshko. Avt. prom., 31 no. 4:32-33 Ap '65

## MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS

Exchange of experience. Avt. transp. 43 no. 4:48-52 Ap '65

## MOTOR VEHICLES—TIRES

Investigating the effect of the front suspension and steering wheel drive on the wear of motor-vehicle tires. A. I. Korolev, G. K. Mirzoev, L. D. Sludnikov. Avt. prom., 31 no. 5:28-31 My '65.

## MOTOR VEHICLES—TRANSMISSION DEVICES

Investigating the performance of a coupling without a lever. G. I. Smirnov. Avt. prom., 31 no. 4:36-38 Ap '65. Reduced moment of friction for a differential gear. A. I. Ligant. Avt. prom., 31 no. 4:33-36 Ap '65. Torque distribution in the transmission of a three-axle motor-vehicle depending on the type of the power drive. A. V. Filizhkin. Izv. vuzov, 1965, no. 2:148-153

## MOTOR VEHICLES—VIBRATION

Nonlinear vibrations of a motor vehicle moving on a road with a natural microprofile. L. K. Pchel'lin, A. A. Khar'churov. Avt. prom., 31 no. 5:17-19 My '65. Seminar on the reduction of noise and vibration of motor vehicles. A. G. Zubakin, G. V. Latyshev, V. E. Tol'skii. Avt. prom., 31 no. 4:41-48 Ap '65. Some problems in the statistical analysis of vibrations of a motor vehicle. K. I. Vityayev and others. Avt. prom., 31 no. 4:20-29 Ap '65

## MOTOR VEHICLES—WHEELS

Substantiating the theory of the driving wheel of a motor vehicle. V. A. Petrushev. Avt. prom., 31 no. 5:24-25 My '65.

## MOTOR VEHICLES, AMPHIBIOUS

Petrov, I. A. P. [Amphibious units for lumber floating; textbook for students of the Faculty of Woodworking and Forest Engineering] Vozdekhodnye agregaty-amfibi dlya splavy; uchebnoye posobie dlya studentov lesomekhanicheskogo i lesosozhennogo fakul'tetov. Leningrad, Vses. zaочnyi lesotekh. in-t, 1964. 61 p.

## MOTORBUS LINES see subdivision under Moscow

## MOTORBUS TERMINALS

Dakhno, V. P. [Combined passenger stations and railroad terminals] Ob'edinennye passazhirskie stantsii i vokzaly. Kiev, Budivelnik, 1965. 77 p.

## MOTORBUSES—BRAKES

Design and efficiency of the engine brake of the LAZ motorbuses with carburetor V-engines. K. M. Atoian and others. Avt. prom., 31 no. 4:8-11 Ap '65

## MOTORBUSES—EQUIPMENT AND SUPPLIES

L'vovskiy avtomobil'nyy zavod. [Catalog of spare parts for the LAZ-695E "Lviv" and LAZ-697E "Turist" motorbuses] Katalog zapasnykh chastei avtomobil'ov LAZ-695E "Lviv" i LAZ-697E "Turist." Moskva, Mashinostroenie, 1965. 319 p.

## MOTORBUSES—TESTING

Theoretical and experimental determination of dynamic characteristics and fuel efficiency of the ZIL-127 gas-turbine motorbus. A. P. Kuznetsov. Izv. vuzov, 1965, no. 4:126-135

## MOTORTRUCKS

Motortruck for flour transportation adapted for grain transportation. S. Dolotov. Muz. elev. prom., 31 no. 4:18-17 Ap '65. Power characteristics of farm motor vehicles. M. I. Pogoshekov. Dokl. Akad. sel'khoz. nauk, 3:42-47 M '65

## MOTORTRUCKS—BODIES

Structural characteristics of the seats of the GAZ-53F, GAZ-53A and GAZ-66 motortrucks. N. K. Kozlov. Avt. prom., 31 no. 5:25-27 My '65.

## MOTORTRUCKS—ENGINES

Repairing crankshafts of the ZIL-130 engine. I. Dumiin, V. Prusman. Avt. transp. 43 no. 4:28-30 Ap '65. Some problems in the overhaul of the ZIL-130 engines. V. Efremov, V. Prokopenko, E. Finkel'shtein. Avt. transp., 43 no. 4:25-28 Ap '65

## MOTORTRUCKS—ENGINES—TESTING

Investigating the performance of the ZIL-130 engine under starting conditions. V. M. Aikhangelskii, I. F. Golushko. Avt. prom., 31 no. 4:5-8 Ap '65

## MOTORTRUCKS—TESTING

Conditions for the use of current collectors during the testing of lumber transportation machines. L. M. Kopelevich. Trudy SII, 37:144-163 '64

## MOTORTRUCKS—TIRES

Stand for dismantling and mounting of motor truck tires. A. Shchegolevskii. Avt. transp., 43 no. 4:23-24 Ap '65

## MOUNDS see subdivision under Don Valley

## MOUNTAIN ECOLOGY see subdivision under Pamirs

## MOUNTAINS

Reflection of local structures in orohydrography. S. I. Prokhorovskii, I. A. Gol'dfeld', I. G. Chervanov. Geog. sbor. L'vov, old. Geog. ov-va SSSR, no. 8:101-105 '64.

## MOVEMENT (PHYSIOLOGY)

Adenosine triphosphate:creatine-phosphotransferase activity in the muscles and blood during muscular activity. L. V. Maksimova. Ukr. biokhim. zhur., 37 no. 1:131-136 '65. Effect of changes in the gravitational field on the coordination of voluntary movements of man. L. V. Chkhaidze. Sobr. AN Gruz. SSR, 28 no. 5:583-600 My '62. Effect of nicotinamide on the nicotinamide adenine dinucleotide content in rat tissues during rest and muscular activity. G. P. Fedorova. Ukr. biokhim. zhur., 37 no. 1:91-96 '65.

Experimental study of the effect of ginseng on the motor activity in health and under conditions of changed correlations of the fundamental processes of the higher nervous activity. M. M. Bruck. Trudy Khark. med. inst., no. 36:319-325 '67.

Inhibitory influence of afferent impulses on the motor effect of pyramidal stimulation. S. M. Sverdlov, E. V. Maksimova. Biofizika, 10 no. 1:161-163 '65.

Localization of the mechanism of interlinking inhibition of the cortical motor response. E. T. Blagodatova. Fiziol. zhur., 51 no. 3:300-308 M '65

Motor responses of anchovies to acoustic stimuli. N. V. Lebedev and others. Nauch. dokl. vuzov, shkoly, biol. nauk, no. 2:91-94 '65.

Orienting reflex and the first conditioned motor response. M. M. Khananashvili. Zhur. vuz. nerv. dejst., 15 no. 2:303-310 Mr-Ap '65.

Polarization of the motor area of the cerebral cortex by a direct current anode and the motor dominant. V. S. Rusinov. Zhur. vuz. nerv. dejst., 15 no. 2:217-228 Mr-Ap '65.

## MOVEMENT DISORDERS

Automated gesticulation. N. A. Kryshova. Zhur. nevrol. i psikh., 65 no. 5:641-644 '65.

## MOZDOK DISTRICT (OSSETIA, NORTH)—LEPTOSPIROSIS—PREVENTION

Experience in reducing the activity of a natural focus of leptospirosis. E. V. Karasova, V. V. Anan'in, M. Kh. Aguzarova. Zhur. mikrobiol., epid. i immun., 42 no. 4:65-69 Ap '65

## MURU—SOCIAL LIFE AND CUSTOMS

"Murung" (Muru), children of the jungle. A. Ashraf. Az. i Afr. seg., 8 no. 5:49-50, 55 My '65.

## MURABEK REGION (UZBEKISTAN)—GAS, NATURAL—GEOLOGY

Some results of the study of the formation of the local structures of the Murabek group of fields. A. I. Khatambekov. Uzb. geol. zhur., 9 no. 1:61-72 '65.

## MURABEK REGION (UZBEKISTAN)—PETROLEUM GEOLOGY

Some results of the study of the formation of the local structures of the Murabek group of fields. A. I. Khatambekov. Uzb. geol. zhur., 9 no. 1:61-72 '65.

## MUCOIDS

Amino acid composition of mucoproteins of the rumen contents in cattle. I. M. Pavliuk. Dop. AN URSSR, no. 5:830-833 '65

## MUCORALES

New species of the genus Mortierella Coemans, T. V. Khatibuda. Mikrobiol. zhur., 27 no. 2:28-31 '65.

## MUCOUS MEMBRANE

Age-related changes in some properties of DNA of the intestinal mucous membrane of white rats. I. I. Khylobok. Ukr. biokhim. zhur., 37 no. 1:43-50 '65

## MUD VOLCANOES see subdivision under Azerbaijan, Caucasus; Kerch Peninsula

## MUGODZHAR HILLS—COPPER ORES

Structural characteristics of the western greenstone belt in the Mugodzhah Hills and regularities of the distribution of copper mineralization. O. D. Ivanov. Sov. geol., 8 no. 3:35-42 '65.

## MUGODZHAR HILLS—GREENSTONE

Structural characteristics of the western greenstone belt in the Mugodzhah Hills and regularities of the distribution of copper mineralization. O. D. Ivanov. Sov. geol., 8 no. 3:35-42 '65.

## MUGODZHAR HILLS REGION—GEOLOGY

Early Permian of the Mugodzhah trough. I. I. Lapkin. Dokl. AN SSSR, 161 no. 6:1169-1172 Ap '65.

## MUHRI, FRANZ, 1924-

People and events. Franz Muhri; Edward White; James McDill. Nov. vrem., 23 no. 24:15, 28 Je '65.

## MULBERRY BREEDING see subdivision under Azerbaijan

## MULTIPLE INTEGRALS see Integrals, Multiple

## MULTIPLE STARS see Stars, Multiple

## MUMMIES

Analysis of the enveloping fabric of an Egyptian mummy from the Ivanovo Museum. A. M. Benevolenskii. Izv. vuzov, 1965, no. 1:158-160

## MUNICIPAL ENGINEERING

Ukrainian gosudarstvennyi institut projektirovaniya gorodov. [Transportation and engineering facilities of cities; an aid to designers] Transport i inzhenernoe oborudovanie gorodov; y pomoshch' projektirovshchiku. Kiev, Budivelnik, 1964. 100 p.

[MICROFILM]

## MUNKUSARDYK MOUNTAIN—GLACIERS

Glaciers of the Munkusardyk Massif in the eastern Sayan Mountains. E. V. Maksimov. Izv. Vses. geog. ob-va, 97 no. 2:176-180 Mr-Ap '65

## MURADOV, SHIRIN, 1880-1957

Notkin, I. I. [Bukharan carving in "ganch" in the works of "ustoz" Shiri Muradov] Bukharskaya rezba po ganchu y rabotakh ustoz Shiri Muradova. Tashkent, Gos. izd-vo khudozh. i lit-ry UzSSR, 1961. 95 p. (Tvorchestvo narodnykh masterov Uzbekistana) (NN)

## MURAMIDASE

Change in the content of lysozyme in the saliva of persons in antirabies vaccination. E. S. Fidoim'na. Vop. v it us., 10 no. 1:103-105 Ja-F '65

Interspecific differences in the rate of occurrence and content of serum lysozyme in fishes. V. I. Luk'yanenko. Izv. AN SSSR. Ser. biol., no. 3:400-413 My-Je '65. Protective nonspecific effect of lysozyme in infections. O. V. Bukharin, Z. M. Iakovleva. Antibiotiki, 10 no. 2:161-166 F '65.

## MURAMIDASE—THERAPEUTIC USE

Experimental study of lysozyme and some data on its clinical use. Z. V. Ermolova, N. A. Zhukovskina, T. V. Golosova. Trudy TSU, 60:136-139 '64.

## MURGAB DELTA—WATER, UNDERGROUND

Characteristics of the underground water regimen in the zone of influence of the Karakum Canal of the Murgab Delta. O. N. Nazov. Izv. AN Turk. SSR. Ser. biol. nauk, no. 2:45-50 '65

## MURGAB VALLEY—BEES

Ecology of bees (Hymenoptera, Apidae) in the cultivated zone of the lower Murgab Valley. T. A. Aidaev. Izv. AN Turk. SSR. Ser. biol. nauk, no. 2:74-80 '65.

## MURGAB VALLEY—CABBAGE—DISEASES AND PESTS

Biology of the cabbage aphid (Brevicoryne brassicae) (L.) in the lower reaches of the Murgab. M. F. Fursova. Izv. AN Turk. SSR. Ser. biol. nauk, no. 1:90-97 '65.

## MURGA VALLEY—PLANT LICE

Biology of the cabbage aphid (*Brevicoryne brassicae* (L.)) in the lower reaches of the Murgab. M. F. Fursova. Izv. AN Turk. SSR, Ser. biol. nauk no. 1 96-97 '65.

## MURMANITE

Crystalline structure of murmanite. A. D. Khalilov and others. Dokl. AN SSSR 161 no. 6:1409-1411 Apr '65.

## MURMANSK—BUILDING MATERIALS INDUSTRY—ACCOUNTING

Accounting for the finished products and shipped goods. V. Maslov. Bukh. uch. 22 no. 1:54-55 Apr '65.

## MURMANSK—DEPARTMENT STORES

Beyond the Arctic circle. I. Finkel'shtein. Sov. tovg. 38 no. 5:11-42 May '65.

## MURMANSK—WORLD WAR, 1939-1945

Bastion of the Arctic. Nikolai Rumyantsev. Voenn. zhurn. 41 no. 6:10-11 June '65.

## MURMANSK—WORLD WAR, 1939-1945—WOMEN'S WORK

Vladyma, E. D. [My girl friends, combatants] Duzhinskaya, pod ugol mol. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 135 p. (CSI-B)

## MURMANSK PROVINCE—STATISTICS

Murmansk (Province) Oblastnoe statisticheskoe upravlenie. [National economy of Murmansk Province, statistical abstract] Nauchnoe khoz. i stat. Munitsip. oblasti, statisticheskiy sbornik. Murmansk, 1957. 94 p. (NN)

## MURZIN, DAVID DAVIDOVICH, 1921-

The road of a soldier. M. Naaybulin. Sots. zakon. 42 no. 5:44-47 May '65.

## MUSCLE

Content and composition of nucleic acids in the muscles and testes of Peking and wild ducks. V. M. Haidai. Ukr. biokhim. zhur. 31 no. 3:352-353 '62.

Interrelations between the function of the thyroid gland and regenerative processes in the muscles following administration of galactosamine. L. P. Khomytska. Fiziol. zhur. (Ukr.) 9 no. 1:96-101 Jan-Feb '63.

Intracellular gradient of the resting potentials in muscle fibers during the course of alteration. M. I. Solovub. Tsihologiya 4 no. 5:530-537 S-O '62.

Problem of spontaneous activity in the smooth muscles. M. F. Shiba. Fiziol. zhur. (Ukr.) 9 no. 1:48-55 Jan-Feb '63.

Shortening glycerinated muscles with a damaged two-dimensional lattice of filaments. L. L. Razumova and others. Biofizika 10 no. 1:184 '65.

## MUSCLES

Analysis of the causes of the thermal death of skeletal muscles. V. B. Ushakov. Fiziol. zhur. 51 no. 3:380-394 Mar '65.

Comparative biochemical evaluation of energy metabolism of the striated muscles as related to their functional condition. N. N. Iakovlev. Ukr. biokhim. zhur. 31 no. 1:137-150 '65.

Increase of adenosine triphosphate in the working skeletal muscle. T. A. Alilik. Biol. eksp. biol. i med. 50 no. 4:39-42 Apr '65.

## MUSCLES—ABNORMALITIES AND DEFORMITIES

Congenital absence of muscles of the anterior abdominal wall in children. G. A. Baurov, L. A. Ostapov'skaya. Vest. khir. 93 no. 12:83-88 Dec '64.

## MUSCLES—DISEASES

Diagnosis of the initial degree of contracture of the muscle stretching the fascia lata. G. S. Aitkov. Ortop., travm. i protez. 26 no. 2:60-63 Feb '65.

Disorders of the muscular tonus in acute herpetic meningitis; clinical electromyographic study. I. I. Navmenko. Zhur. nevro. i psikh. 65 no. 4:540-546 '65.

## MUSCLES—INNERVATION

Course of some physiological and biochemical processes in denervated muscles in old animals during various stages of reinnervation. I. I. Parkhotik. Vop. geron. i geriat. 4:230-235 '65.

Physiological characteristics of the stimulation distribution in a muscular system following conditioned reflex changes in respiratory gas exchange. L. A. Isakian, R. P. Olshanskaya, G. A. Trubitsyna. Dokl. AN SSSR 162 no. 3:716-718 May '65.

Significance of the summation process for the development of carnosine effect on the skeletal muscle in fatigue. M. A. Kamenskaya, M. V. Kirzon, Nauch. dokl. vys. shkoly, biol. nauki no. 2:43-48 '65.

## MUSCLES—MOTILITY

Effect of estrogens and calcium ions on the state of the actomyosin system and carbohydrate-phosphorus metabolism in the uterus. N. S. Bakshiev, B. T. Mikhailenko. Akush. i gin. 40 no. 5:28-34 S-O '64.

Some basic physical and physicochemical problems concerning muscle contraction. G. M. Frank. Izv. AN SSSR Ser. biol. no. 3:335-358 May-June '65.

## MUSCLES—RUPTURE

Neglected subcutaneous ruptures of muscles and tendons. I. A. G. Dubrov, O. Sh. Buschadze. Ortop., travm. i protez. 26 no. 2:69-70 Feb '65.

## MUSCLES—SURGERY

Myofasciodesis in insufficiency of the gluteal muscles following poliomyelitis. V. D. Chaklin, I. B. Ginzburg. Ortop., travm. i protez. 26 no. 1:39-44 Jan '65.

## MUSCULOSKELETAL SYSTEM

Ivanov, K. P. [Muscle system and chemical thermoregulation] Myshechnaya sistema i khimicheskaya termoregulatsiya. Moskva, Nauka, 1965. 125 p.

Functional and morphological fundamentals of skeletal formation. D. A. Zhdanov. Ortop., travm. i protez. 26 no. 1:3-11 Jan '65.

Sympathetic effect on the skeletal muscle and neuromuscular synapse as related to the frequency of tetanic stimulation. M. V. Kirzon, M. A. Kamenskaya. Dokl. AN SSSR 162 no. 2:472-475 May '65.

## MUSCULOSKELETAL SYSTEM—WOUNDS AND INJURIES

Some problems of primary invalidity following traumas of the locomotor apparatus, based on materials of the Saratov Medical Expert Commission on Work Ability. M. Z. Teitelbaum. Ortop., travm. i protez. 26 no. 2:46-50 Feb '65.

## MUSEUM TECHNIQUES

Determination of the authenticity of a document by modern technical methods. N. N. Rozov. Ist. SSSR 9 no. 2. 232-233 Mar-Apr '65.

MUSEUMS see subdivision under 'Vizhnitsa (Ukraine); see also subdivision 'Art galleries and museums' under 'Uzbekistan'

MUSEUMS FOR CHILDREN see Children's Museums

## MUSHROOMS

Common meadow mushroom as a stimulator of the growth and development of plants. A. K. Torev. Bot. zhur. 50 no. 4:528-532 Apr '65.

MUSIC—BIBLIOGRAPHY see Bibliography—Music

## MUSIC—PHYSIOLOGICAL EFFECT

Study of the cortical activity in children attending a music school. N. V. Prazdnikova, L. A. Titov. Nauch. soob. Inst. fiziol. AN SSSR no. 3:130-134 '65.

## MUSIC, LITHUANIAN—HISTORY AND CRITICISM

Gaudrimas, Juozas. [From the history of Lithuanian music, 1861-1917] Iz istorii litovskoi muzyki 1861-1917. Moskva, Izd-vo Muzyka, 1964. 211 p.

Gaudrimas, Juozas. [From the history of Lithuanian musical culture, 1917-1940] Je lietuviai muzikines kultūros istorijos, 1917-1940. Vilnius, Leidykla "Mintis," 1964. 327 p. [In Lithuanian]

## MUSIC AND LITERATURE

Sokhot, A. N. [Malakovskii and music] Malakovskii i muzyka. [Moskva] Muzyka, 1965. 181 p.

## MUSKIRATS—DISEASES AND PESTS

Occurrence of Omsk hemorrhagic fever in man and muskrats in the winter period. T. N. Fedorova, G. A. Sizemova. Zhur. mikrobiol., epid. i immun. 41 no. 11:134-138 Nov '64.

MUSSELS see subdivision under 'Black Sea'

## MUTNOVSKIY VOLCANO

Heat capacity of the interparoxysmal stage of the activity of the Mutnovskiy Volcano. B. G. Pollak. Dokl. AN SSSR 162 no. 3:643-646 May '65.

## MUTUAL ECONOMIC ASSISTANCE COUNCIL

All-round development of the economies and the international division of labor. K. Mikul'skii. Kommunist 42 no. 8:82-89 May '65.

Mutually profitable cooperation of equals. K. Nazarkin. Mezhdunar. zhurn. 12 no. 5:97-102 May '65.

Scientific and Technical Conference on the Development of the Fleet of the Fishing Industry of the Member-Countries of the Mutual Economic Assistance Council. Khel. tekhn. 42 no. 2:68-70 Mar-Apr '65.

Ways of developing transportation in the system of the international socialist division of labor. B. Gorizontov. Vop. ekon. no. 5:82-89 May '65.

## MYCERIN

Comparative study of the effect of mycerin and streptomycin on some mycobacteria. E. L. Leibfried, N. V. Vasyliova. Mikrobiol. zhur. 26 no. 3:46-50 '64.

## MYCOBACTERIUM

Comparative study of the effect of mycerin and streptomycin on some mycobacteria. E. L. Leibfried, N. V. Vasyliova. Mikrobiol. zhur. 26 no. 3:46-50 '64.

## MYCOBACTERIUM—CULTURES AND CULTURE MEDIA

Induced character of nitrogen-fixation enzymes in Mycobacterium azotobacterium sp. V. I. Labinov, L. P. Loseva, N. P. L'vov. Izv. AN SSSR Ser. biol. no. 3:392-394 May-June '65.

## MYCORRHIZA

Ectotrophic mycorrhiza of trees in the East European forest tundra. A. E. Katenin. Bot. zhur. 50 no. 3:434-440 Mar '65.

## MYCOSIS

Biology of the causative agent of vascular tree mycosis. I. I. Minkevich. Nauch. dokl. vys. shkoly, biol. nauki no. 2:165-180 '65.

## MYELOSAN

Role of allantois injury in the pathogenesis of antenatal death and some embryopathies in rats treated with myelosan. Critical period in the allantois development in rats. V. A. Aleksandrov. Dokl. AN SSSR 162 no. 1:232-235 May '65.

## MYOGEN

Values of the molecular weight of a mixture of crystalline myogen A and dehydrogenase of d-glyceraldehyde-3-phosphate from the muscles of a rabbit. P. D. Dvornikova and others. Ukr. biokhim. zhur. 34 no. 3:327-337 '62.

## MYONEURAL JUNCTION

Correlation between electrical activity and the level of muscle tension in elderly persons. G. S. Iankova'tka, V. N. Kuzarleva. Fiziol. zhur. (Ukr.) 9 no. 1:61-66 Jan-Feb '63.

## MYOSINS

Age-related changes in the content of sulphydryl groups and adenosinetriphosphatase activity of myosin. O. K. Khyli'ko. Ukr. biokhim. zhur. 37 no. 10-13 '65.

Connection between the adenosinetriphosphatase activity of myosin and the content of free thiol groups in it. A. F. Krasnova, N. N. Iakovlev. Ukr. biokhim. zhur. 34 no. 3:429-434 '62.

Effect of ethanolamine on some properties of myosin and actomyosin. G. V. Barsogian. Dokl. AN Arm. SSR 40 no. 2:100-115 '65.

## NAGIBIN, IURI

Details and the main point. F. Syetov. Nov. mir. 41 no. 4:262-265 Apr '65.

## NAGORNO-KARABAKH AUTONOMOUS PROVINCE—ANOPLOCEPHALIDAE

Distribution of Anoplocephala in domestic ruminants of the Karabakh zone of Azerbaijan. S. M. Asadov, I. A. Sadykhov. Trudy Inst. zool. AN Azerb. SSR 24:63-66 '65.

## NAGORNO-KARABAKH AUTONOMOUS PROVINCE—PARASITES—DOMESTIC ANIMALS

Distribution of Anoplocephala in domestic ruminants of the Karabakh zone of Azerbaijan. S. M. Asadov, I. A. Sadykhov. Trudy Inst. zool. AN Azerb. SSR 24:63-66 '65.

## NAGORNYI, NIKOLAI ARKHIPOVICH, 1913-1966

Obituary of N. A. Nagorny. Obituary 30 no. 3:48 '64.

## NAHORKATIYA, INDIA—PETROLEUM REFINING

Producing illuminating kerosene and jet fuel from Nahorkatiya oil. I. L. Gurovich, P. K. Mukhopadhyaya. Trudy MINKHGP no. 44:180-187 '63.

## NAILS (ANATOMY)—DISEASES

Methodology of the treatment of onychomycosis patients with griseofulvin combined with surgical removal of the affected nails. T. L. Savel'eva, V. A. Lenartovich. Sov. med. 28 no. 1:124-127 Jan '65.

Treatment of ingrown nails. D. I. Muratov. Vest. khir. 92 no. 6:112-114 June '64.

## NAILS (ANATOMY)—SURGERY

Methodology of the treatment of onychomycosis patients with griseofulvin combined with surgical removal of the affected nails. T. L. Savel'eva, V. A. Lenartovich. Sov. med. 28 no. 1:124-127 Jan '65.

Treatment of ingrown nails. D. I. Muratov. Vest. khir. 92 no. 6:112-114 June '64.

## NAILS AND SPIKES

Pneumatic hammer for driving nails. I. Gershberg. Stroi. mashin. Uzb. 6 no. 2:10 Feb '65.

## NAKHICHEVAN A. S. S. R.—HUMUS

Effect of fodder leguminous plants on the accumulation of humus and nitrogen in soils of the Nakhichevan A. S. S. R. A. A. Bekhudov. Dokl. AN Azerb. SSR 21 no. 1:41-44 '65.

## NAKHICHEVAN A. S. S. R.—LARKSPUR

Production of methylglucosamine from the Ararat larkspur, growing in the Nakhichevan A. S. S. R. G. M. Mamedov, T. F. Platonova, A. D. Kuzovkov. Dokl. AN Azerb. SSR 21 no. 1:46-50 '65.



HEVAN A. S. S. R. —MITES AS CARRIERS OF  
SE  
id mites in a natural focus of tularemia, plague  
ysipoid of the Nakhichevan A. S. S. R. A. T.  
iev F. A. Abushev. S. I. Ilditskaya. Trudy Inst.  
AN Azerb SSR 14 132-161 '65

HEVAN A. S. S. R. —SOILS—NITROGEN CONTENT  
of fodder leguminous plants on the accumulation of  
is and nitrogen in soils of the Nakhichevan A. S. S. R.  
Bekhbudov. Dokl. AN Azerb SSR 21 no. 1 41-44

IK—VIEWS  
v, A. S. [Nat'chik during the decade, 1953-1963]  
nk za desiat' let, 1963-1963] Nat'chik, Kabardino-  
rskot knizhnoe izd-vo, 1964. [80] p. illus.  
(MI)

GEOGRAPHICAL see subdivision under In-  
ia, Kamchatka

GEOGRAPHICAL—CHINESE see subdivision  
Asla, Southeastern

PERSONAL—UKRAINIAN  
an compound surnames, IU, K. Red'ko. Vsiykh  
um. Ser. filol. no. 199-103 '63.

UKRAINIAN  
ila nauk URSR, Kiev. Instytut movoznavstva,  
torial dialects and proper names] Terkoiial'ni  
ty i vlasni nazvy. Kyiv, Naukova dumka, 1965.

HALENE  
bria in the course of reactions of sodium and  
um with diphenyl and naphthalene in electron-  
solvents. A. I. Shatenshtein, E. S. Petrov, M. I.  
usova. Dokl. AN SSSR 161 no. 4 889-892 Ap '65.

es of adsorption and desorption of tetralin and  
alin on silica gels of various porous structures  
Okromchudzke. Soob. AN Gruz. SSR 28 no. 5-  
540 My '62

ENES  
on-containing monomers and polymers from five-  
bered naphthenes. IA, M. Pauskhin and others  
Y. MINKHIGP no. 44-15-26 '63.

ENIC ACIDS  
sis of naphthenic acids by direct oxidation of  
thenic hydrocarbons. B. K. Zetmalov, A. A.  
andov. Azerb. khim. zhur. no. 3 17-20 '64

HOIC ACID  
on of naphthalide and its derivatives. V. V.  
chenko, Val L. Plakudin. Ukr. khim. zhur. 31  
385-387 '64

W-GAUGE RAILROADS see Railroads, Narrow-  
e

AL CHARACTERISTICS

essence of the nation as a historical social group.  
Kaitokhchian. Nauch. dokl. vys. shkoly, filos. nauki  
o. 56-36 '64.

AL PARKS AND RESERVES see subdivision under

AL SOCIALISM

responsibility of the leaders of German monopolies  
Hitler's aggression. A. Poltorak. Sots. zakon  
no. 5 21-29 My '65

NALITIES

also subdivision under Iran)  
gveladze, G. A. [Unveiling the bourgeois falsifica-  
of the nationality policy of the CPSU, author's ab-  
ct of a dissertation for the degree of Candidate of  
ical Sciences] Razoblachenie burzhvaznoi fal'si-  
sli natsional'noi politiki KPSS, avtoreferat disserta-  
na soiskanie uchenoj stepeni kandidata istoriche-  
h nauk. Nauchn. rukovoditel' B. T. Baglikov. Mo-  
, Mysl', 1964. 15 p.

[MICROFILM]

in patriotism and internationalism as a mighty  
ce of victory in the Great Patriotic War. I. Krav-  
r, Komm. Ukr., 38 no. 5 18-25 My '65.

AL GAS see Gas, Natural

AL HISTORY see subdivision under Amur  
ey, Balkal Lake region; Ukhla (Komi A. S. S. R.)

AL RESOURCES see subdivision under Africa,  
hwest, Canada, Komi A. S. S. R.; Siberia, Western

RE, HEALING POWER OF

of caves for medical treatment (spelsotherapy). G. A.  
keimovich. Peshchery no. 4 109-112 '64

RE STUDY

also subdivision under Barguzin Preserve;  
hldr Preserve)

study in primary grades. I. V. Buhalevych, F. S.  
el'ov. Rad. shk. 43 no. 4 54-57 Ap '65.

Observations of nature. K. Korot'skiy. Doshir, vosp.  
48 no. 1 91-93 Ja '65

NAUTICAL ASTRONOMY

Methods of operating VVS-58 tables. V. I. Ermakov.  
R. b. khim. 41 no. 1 10-10 '65

NAUTICAL ASTRONOMY—PROBLEMS, EXERCISES,  
ETC.

Cherniyev, L. F., ed. [Collection of problems in nautical  
astronomy] Zadachniki po morekhodnoi astronomii.  
[By] L. F. Cherniyev i dr. Moskva, Transport, 1964.  
338 p.

NAVAL ARCHITECTURE

Tikhomirov, N. A. [Theory and equipment of a ship for  
inland navigation] Teoriia i ustroistvo sudna vnutren-  
nego plavaniia. Moskva, Transport, 1965. 273 p.  
A valuable textbook. M. Chernov. Rech. transp. 24  
no. 3 60 '65.

NAVAL EDUCATION

The first teacher of the Russian seafarers. A. Denisov.  
Mor. flot 24 no. 9 42-5 '64

Perfect combat readiness of the navy in sea and ocean  
areas. S. G. Gorshkov. Komm. Voen. i S. 46 no. 4  
10-23 F '65

Roads to the ocean. S. Zakhai'ov. Voen. znaniia 41 no. 6  
16-17 Je '65

NAVAL LIBRARIES see Libraries, Naval

NAVAL MEDICINE see Medicine, Naval

NAVAL MUSEUMS see subdivision under Leningrad

NAVIES see subdivision 'Navy' under Japan; Russia,  
United States

NAVIGATION

Determining logging errors in the case of two receiving  
units. I. Luchko, O. Golubeva. Mor. flot 25 no. 5 21-  
26 My '63.

NAVIGATION—TABLES

Preserve the five-digit navigation tables. A. Iushchenko,  
N. Rybal'tovskii. Mor. flot 24 no. 9 19-20 S '64

NAZARASHVILI, GEORGI PETROVICH, 1894-

G. P. Nazarashvili, on his 70th birthday. Med. rad. 9  
no. 7 73 Ja '64

NAZARIAN, TIGRAN

The life and work of Tigran Nazarian. S. S. Nazarian.  
Izv. AN Arm. SSR Obshchestv. nauki no. 3 35-44 '65

NAZAROV (KRASNOYARSK TERRITORY)—CONSTRUC-  
TION WORKERS

Grush, D. B., and others. [Such people conquer; lead-  
ing workers in the construction of the Nazarov State Re-  
gional Electric Power Plant] Takie pobediteli; o poredovi-  
kakh stroitel'stva Nazarovskoi GRES. [Krasnoyarsk]  
Krasnoyarskoe knizhnoe izd-vo, 1961. 89 p.  
[MICROFILM]

NEAR EAST—BIBLIOGRAPHY

A brief bibliography of books and periodical articles on  
Afghanistan, Iran and Turkey, published in 1963 in the  
Russian language. Kiat. soob. Inst. nar. Az. no. 77 130-  
137 '64

NEBULAE

Pioneer of extragalactic astronomy; K. Lundmark and  
his exploration of the world of stars. IU, G. Perel.  
Priroda 54 no. 5 106-107 My '65.

Polarimetric study of the nebula NGC 6523 and the open  
cluster NGC 6530. V. N. Movehan. Uch. zap. LGU  
no. 3 26:44-52 '64

NECHUL-LEVYTS'KYI, pseud., see Levyts'kyi, Ivan,  
1837-1918

NECK—INFLAMMATION

Foreign body injury of the esophagus complicated by  
mediastinal and cervical phlegmon. IU. A. Abramovich.  
Vest. khir. 84 no. 2 103-104 F '65.

NECK—INNERVATION

Effect of stimulation of the cephalic end of the cervical  
sympathetic nerve on the content of adrenalin-like  
substances in the blood flowing to and from the head.  
A. I. D'ina, S. N. Golovacheva. Fiziol. zhur. 61 no. 3  
330-335 Mr '65.

NEGLIGENCE

Responsibility of an organization for damages caused by  
negligence of its employees. V. Popel'skii. Sov. iust.  
29 no. 6 19-21 Mr '65.

NEGROES—SEGREGATION

Justice the American way. K. Luzzyk. Rad. pravo 28  
no. 3 119-128 My-Je '65.

NEIMAN, MIKHAIL SAMOILOVICH, 1905-

M. S. Neiman, on his 60th birthday. Izv. vys. ucheb. zav.;  
radiotekh. 8 no. 1 127-128 Ja-F '65.

NEKRASOV OIL FIELD—PETROLEUM GEOLOGY

Features of the geological structure and formation of the  
oil and gas pools of the Nekrasov oil field. V. N.  
Zaitukov, V. V. Stasenko. Neftegaz. geol. i geofiz.  
no. 1 37-41 '65

NEMAN RIVER—INLAND WATER TRANSPORTATION—  
PASSENGER TRAFFIC

On practices in organizing large-scale passenger trans-  
portation. L. Lashchenko. Rech. transp. 24 no. 1 58  
'65.

NEMAN VALLEY—FRUIT CULTURE

Growth of fruit crops in alluvial soils on the terrace of  
the Neman River. A. S. D. evintau. Vostok AN BSSR.  
Ser. sel'hoz. nav. no. 1 53-60 '65

NEMATODA

(see also subdivision under Bering Sea)

Biology of terrestrial mollusks, carriers of helmintho-  
ses in the southern Altai. K. K. Uvaldeva. Izv. AN  
Kazakh. SSR. Ser. biol. nauk 3 no. 2 64-71 Mr-Apr '65.

Changes in the intestines of molluscs produced by the  
larvae of the nematode Oesophogostomum aplostromum  
K. K. Zaitseva. Arkh. pat. 27 no. 1 71-76 '65

Deciphering the developmental cycle of the nematode  
Synhimantus brevicaudatus (Dubinin, 1915) parasitizing  
on gossamer birds and freshwater fishes. A. A.  
Mosgovoi, T. I. Popova, M. K. Sumenova. Dokl. AN  
SSSR 162 no. 3 719-720 My '65

Eptzoology and prophylaxis of alophontonyngulosis in  
marals. V. I. Panin. Izv. AN Kazakh. SSR. Ser. biol.  
nauk 3 no. 2 58-63 Mr-Apr '65.

Micromorphological and histochemical study of cover  
tissues of some Strongylata of the intestines. IU. K.  
Bogolavenskii. Izv. AN Azerb. SSR. Ser. biol. nauk  
no. 1 64-69 '65

NEMATODE DISEASES OF PLANTS see subdivision  
under Azerbaijan

NEMCHINOV, VASILII SERGEEVICH, 1904-1964

Vasilii Sergeevich Nemchinov, 1904-1964. Ikoni i met.  
metod. 1 no. 1 163-168 Ja-F '65.

NEODYMIUM

Neodymium tellurides. E. I. I. Ambash, A. A. I. Iseev,  
K. A. Zinchenko. Izv. AN SSSR. Neorg. mat. 1 no. 1 60-  
67 Ja '65.

NEODYMIUM—SPECTRA

Luminescence and absorption of trivalent neodymium in  
fluorite type crystals. IA, E. Karlsen, M. N. Tolstol,  
P. P. Fofilov. Opt. i spekt. 10 no. 3 440-445 Mr  
'65.

NEON

Concentration of Ne atoms on 2p levels in the presence  
of He. Fan Van Thik. Vest. Mosk. un. Ser. 3 Fiz.,  
astron. 20 no. 2 3-6 Mr-Apr '65.

NEON ISOTOPES—SPECTRA

Isotope shift in the spectrum of neon. V. I. Odintsov.  
Opt. i spekt. 10 no. 3 357-360 Mr '65

NEO-SCHOLASTICISM

Darwinism and neo-Thomism. V. I. Garadzhia. Nauch.  
dokl. vys. shkoly; filos. nauki 7 no. 5 68-75 '64

NEO-THOMISM see Neo-Scholasticism

NEPHELINE SYENITE see subdivision under Chingizlau  
region; Sikhote-Alin Range

NEPHELITE

Paragenesis of nepheline with alkali feldspar as a pos-  
sible index of the thermodynamic conditions of mineral  
equilibrium. L. L. Porchuk. Dokl. AN SSSR 161 no. 4  
932-935 Ap '65.

NEPTUNITE

Mineralogy of mangan-neptunite. I. V. Buzan and  
others. Zap. Vses. min. ob-va 94 no. 2 204-208 '65.

NERVES

Effect of ultrasound on a nerve and single nerve fiber.  
P. O. Makarov, A. V. Lonskii. Biofizika 10 no. 1 181-  
184 '65.

Intracellular inclusion in the neuron of the mollusk Tri-  
tonia diomedea Bergh. V. L. Borovtagin, D. A. Sakha-  
rov, B. N. Vepintsev. Biofizika 10 no. 1 98-100 '65.

Ionic conductivity of the giant nerve cell membrane of an  
edible snail. V. D. Gerasimov, P. G. Kostuk, V. A.  
Maieki. Biofizika 10 no. 1 82-89 '65

NERVES—BLOOD SUPPLY

Effect of gravitational stress on the arterial system of  
the nerves of the extremities. V. A. Otellin. Arkh.  
anat., gist. i embr. 48 no. 4 87-92 Ap '64.

NERVES—SURGERY

Cultivation of skin tissues in a denervated area of the  
body. Z. S. Khlystova, E. Kh. Abdrashitova. Arkh. pat.  
27 no. 5 50-63 '65.



## NEUTRONS—SCATTERING (Continued)

Elastic scattering of medium-energy neutrons, and an optical nuclear model. I. A. Korzh, I. E. Kashuba, I. A. Totkii. *Izv. AN SSSR. Ser. fiz.* 29 no. 5:862-867 My '65

Excitation of La<sup>139</sup> and La<sup>141</sup> levels in inelastic neutron scattering V. A. Bukarev, V. I. Popov. *Iad. fiz.* 1 no. 3 443-447 Mr '65

Inelastic scattering of fast neutrons by nuclei with spectra of the collective type V. S. Ol'khovskiy. *Ukr. fiz. zhur.* 10 no. 5 565-568 My '65

Problem of the motion of three nucleons taking tensor forces into account O. H. Sytenko, V. F. Kharchenko. *Ukr. fiz. zhur.* 10 no. 5 460-480 My '65

Scattering of slow neutrons in He near the  $\lambda$ -curve V. L. Pokrovskii, G. I. Surdutovich. *Zhur. eksp. i teor. fiz.* 48 no. 4:1097-1110 Ap '65

Total cross sections of neutron-proton and neutron-neutron interactions in the energy range from 2.6 to 8.3 eV. V. S. Pantuev, M. N. Khachatryan, I. V. Chuvilo. *Iad. fiz.* 1 no. 1134-144 Ja '65

## NEUTRONS—SPECTRA

Neutron spectra and angular distributions in (d, n) reactions involving nuclei of medium atomic weight V. V. Okolchov, D. L. Tolchenkov. *Iad. fiz.* 1 no. 3:448-451 Mr '65

Study of time-delay spectra by means of an AI-50-2 analyzer. I. I. Rogushin, I. A. prib. no. 1:31-37 '61.

NEW YEAR see subdivision under Astronomy

## NEWCASTLE DISEASE

Chicken mite *Dermatophagous gallinac* as a carrier of the virus of Newcastle disease V. I. Rotov and others. *Vop. vet. virus.* 1 397-400 '64

Susceptibility of some wild birds to the virus of Newcastle disease under experimental conditions. G. T. Chelidze. *Vop. vet. virus.* 1:395-396 '64

## NEWCASTLE DISEASE—MICROBIOLOGY

Characteristics of mixed cultivation of some strains of the virus of Newcastle disease, N. N. Driagalov. *Vop. vet. virus.* 1 387-394 '64

Comparative enzymatic properties of the viruses of European chicken plague and Newcastle disease. G. A. Safonov, G. A. Ivanova, V. N. Sturin. *Vop. vet. virus.* 1 340-349 '64

Comparative study of the hemolytic activity of the viruses of European chicken plague and Newcastle disease. G. A. Safonov, G. A. Ivanova, V. N. Sturin. *Vop. vet. virus.* 1:350-362 '64

Comparative toxic properties of the viruses of European chicken plague and Newcastle disease. G. A. Safonov and others. *Vop. vet. virus.* 1 350-358 '64

Experimental selection of variants of the virus of Newcastle disease from the vaccine strain developed by the State Scientific Control Institute for Veterinary Preparations V. M. Kolosov, V. N. Sturin. *Vop. vet. virus.* 1:377-386 '64

Labeling the Newcastle disease virus with P<sup>32</sup> and cysteine S<sup>35</sup> in a chicken embryo A. A. Sulimov, V. N. Sturin. *Vop. vet. virus.* 1 558-564 '64

Methods for experimental selection of avirulent variants of the viruses of Newcastle disease and European chicken plague V. N. Sturin and others. *Vop. vet. virus.* 1:327-339 '64

Variability of the virus of European chicken plague. G. A. Ivanova and others. *Vop. vet. virus.* 1:363-376 '64

## NEW MATTER (CIVIL PROCEDURE)

Strengthen the procedural guarantees of the rights of persons, who are parties to a case, in the determination of a civil case in appellate and supervisory proceedings A. Mel'nikov. *Sots. zakon.* 42 no. 5:61-64 My '65

NEW STARS see Stars, New

NEWS AGENCIES see subdivision under Africa

NEWSPAPERS see subdivision under Virgin Territory

## NEWSPRINT

Shkarin, S. A., and A. I. Perelygina. [Manufacture of newsprint on high-speed machines] *Proizvodstvo gazetnoi buniagi na bystrokhodnykh mashinakh*, Moskva, Lesnaya promyshlennost', 1964, 136 p.

Some characteristics of the manufacture of thin newsprint I. A. Noritis. *Bum. prom.* no. 1:24 Ja '65

## NICKEL

Die stamping of pure nickel. S. A. Valiev, Kuz. zhtam. proizv. 6 no. 12:5-6 D '64

Mechanism of formation of fluoride films on nickel and their properties. I. U. A. Luk'yanchev, I. I. Astakhov, N. S. Nikolaev. *Izv. AN SSSR. Ser. khim.* no. 4:588-593 '65

Nickel diffusion in niobium. T. K. Iatsenko, L. F. Chernala. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 10:183-186 '64

Process of sorption of nickel and cobalt cations by anion-exchange resins T. V. Ionatamishvili, T. S. Nachkebia, *Sob. AN Gruy SSR* 37 no. 3 595-602 Mr '65

## NICKEL—ELECTRIC PROPERTIES

Spontaneous Hall coefficient in pure nickel in low-temperature regions N. V. Volkenshteyn, G. V. Fedorov, I. K. Gligorova. *Fiz. met. i metallofiz.* 19 no. 4:633-634 Ap '65

## NICKEL—HYDROGEN CONTENT

Jumplike deformation of nickel with a high hydrogen content E. P. Neebaj, K. V. Popov. *Fiz. met. i metallofiz.* 19 no. 4:612-618 Ap '65

## NICKEL—INCLUSIONS

Effect of disperse inclusions of the stress-rupture strength of nickel and of nickel-aluminum alloys V. P. Elutkin and others. *Izv. vuz. ucheb. zav., Chern. met.* 8 no. 5:129-132 '65

## NICKEL—MAGNETIC PROPERTIES

Effect of changes in the density of dislocations during deformation and annealing on the magnetic characteristics of nickel. I. A. Dekhtlar, V. V. Polotnik. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20 67-79 '64

## NICKEL—METALLOGRAPHY

Characteristics of the structure of nickel with a high resistance to creep. G. I. A. Kozyrskii, P. N. Okalmet, G. A. Potrunin. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20 42-51 '64

Investigating internal friction in nickel at high temperatures. O. A. Belous, A. I. Efimov, N. P. Kushnareva. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 20 52-63 '61

## NICKEL—METALLURGY

Causes of converter slag frothing during nickel matte processing. V. A. Vorob'ev. *T'Svet. met.* 38 no. 4:39-40 Ap '65

## NICKEL-ALUMINUM ALLOYS—INCLUSIONS

Effect of disperse inclusions of the stress-rupture strength of nickel and of nickel-aluminum alloys V. P. Elutkin and others. *Izv. vuz. ucheb. zav., Chern. met.* 8 no. 5:129-132 '65

## NICKEL-BERYLLIUM ALLOYS—METALLOGRAPHY

Investigating structural changes with a two-phase mechanism of decay in a nickel-beryllium alloy. L. N. Larikov, I. U. N. Petrov, S. T. Borisenko. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 19 148-154 '64

## NICKEL CATALYSTS

Catalytic hydrogenolysis of ethane and cyclohexane on Ni-Kieselguhr catalysts. T. A. Slovokhova and others. *Izv. AN SSSR. Ser. khim.* no. 5:785-792 '65

Hydrogenation of cinnamaldehyde on a nickel catalyst in the presence of pyridine and mercury. D. V. Sokol'skii, K. Z. Beisakov. *Vest. AN Kazakh. SSR* 21 no. 4:71-73 Ap '65

Promoting the skeletal nickel catalyst by oxygen-containing anions of transition metals. A. B. Fasman and others. *Dokl. AN SSSR* 162 no. 3:600-602 My '65

## NICKEL COMPOUNDS

Stereospecific polymerization of butadiene in the presence of catalytic systems based on  $\eta$ -cyclopentadienyl complexes of nickel. B. D. Babitskii and others. *Dokl. AN SSSR* 161 no. 4:838-838 Ap '65

NICKEL ELECTRODES see Electrodes, Nickel

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL-IRON-ALUMINUM ALLOYS see Iron-nickel-aluminum alloys

NICKEL-NIOBIUM ALLOYS see Niobium-nickel alloys

## NICKEL PLATING

Bogatskii, D. P. [Theoretical principles and the technology of the chemical nickel plating process; manual for correspondence-course students of engineering] *Teoreticheskie osnovy i tekhnologiya protsessov khimicheskogo nikelirovaniia, uchebnoe posobie dlia studentov-zaochnikov inzhenernogo fakul'teta*, Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1964, 34 p. [MICROFILM]

Electrochemical characteristics of nickel in the process of its reduction by hypophosphites. K. M. Gorbunova, A. A. Nikiforova. *Zashch. met.* 1 no. 1:63-69 Ja-F '65

Use of hydrazine sulfate as a reducing agent in chemical nickel plating. V. I. Latatsev and others. *Izv. vuz. ucheb. zav. i khim. i khim. tekhn.* 7 no. 6:973-975 '61

## NICOTINAMIDE

Effect of nicotinamide on the nicotinamide adenine dinucleotide content in rat tissues during rest and muscular activity. G. P. Fedorova. *Ukr. biokhim. zhur.* 37 no. 1 91-95 '65

Reduction of benzaldehyde and p-nitrobenzaldehyde by N-benzyl-1,4-dihydronicotinamide in an alkaline solution. A. A. Iatsenko, E. A. Shilov, O. M. Grishin. *Ukr. khim. zhur.* 31 no. 1:118-119 '65

## NICOTINIC ACID—PHYSIOLOGICAL EFFECT

Effect of vitamin A and nicotinic acid on some indices of the condition of the blood anticoagulation system in experimental hypercholesterolemia A. Sh. Byshchinskii. *Vop. pit.* 23 no. 5 33-40 S-O '64

Functional loading with nicotinic acid in the diagnosis of some autonomic disorders. V. S. Marakulin. *Voen.-med. zhur.* no. 10 66-68 '64

## NICOTINIC ACID—THERAPEUTIC USE

Pharmacological properties of the preparation "nicotol," V. A. Hoiodynska, I. B. Simon. *Fiziol. zhur. [Ukr.]* 9 no. 1:120-132 Ja-F '63

Results of using nicotinic acid in schizophrenic patients with speech disorders. A. B. Savitskaya. *Vop. klin. patol. lech. zhiz.* no. 1:123-125 '64

## NIEMOELLER, MARTIN, 1892-

Peace-maker activity of Pastor Martin Niemöller. G. Skobel. *Zhur. Mosk. Patr.* no. 5:15-51 '65

## NIGER—EDUCATION

He will learn. A. Polshchuk. *Av. i Afr. seg.* 8 no. 4:11-44 Ap '65

## NIGERIA—AGRICULTURAL POLICY

Agricultural problems of Nigeria E. K. Iventsov. *Mir, ekon. i mezhdunar. otn.* no. 6:101-106 '65

## NIKEZIC, MARKO, 1921-

People and events' Marko Nikezic. Jos. E. Hurianga. *Nov. vjem.* 22 no. 20 7, 21 My '65

## NIKOLAYEV PROVINCE—REVOLUTION, 1917-1921

*Kommunisticheskaia partiia Ukrainy. Nikolayevskii oblasti* no. 1 komitet. *Pastilnyi arkhiv*. [Nikolayev Province in the years of foreign intervention and civil war, March 1918-December 1920, documents and materials] *Nikolayevskchina v gody inosti* annot. intervint i grazhdanskoi volny, mai 1918 g. - dekab' 1920 g., dokumenty i materialy [Nikolayev] Khersonskoe knizhnoe-gazetnoe izd-vo, 1962, 406 p. (NIC)

## NIKOLAYEV PROVINCE—STATE FARMS—MANAGEMENT

Intensify state farm specialization in Nikolayev Province. M. Lytvynov. *Mkon. Rad. Ukr.* 8 no. 4:57-59 Ap '65

## NIKOLAYEV PROVINCE—SWINE—ECONOMIC ASPECTS

Effectiveness of the use of brood and one-litter sows G. V. Mitofanov. *Trudy mol. uch. UASHN* no. 9:93-97 '63

## NIKOPOL' (UKRAINE)—AUXILIARY POLICE

Auxiliary policemen at the Nikopol' Pipe Mills. V. Zhyvtsov. *Rud. pravo* 28 no. 3:36-37 My-Je '65

## NIKOPOL' (UKRAINE)—PIPE MILLS

Auxiliary policemen at the Nikopol' Pipe Mills. V. Zhyvtsov. *Rud. pravo* 28 no. 3:36-37 My-Je '65

## NIKOPOL' REGION (UKRAINE)—ELECTRIC PROSPECTING

Using electric prospecting in mine drainage practice at the Nikopol' deposit L. S. Grebichenko, I. U. V. Nechaev. *Gor. zhur.* no. 4:58-60 Ap '65

## NIKOPOL' REGION (UKRAINE)—MANGANESE ORES—ANALYSIS

The nature of phosphorus in manganese ores from the Nikopol' deposit R. S. Mil'ner, I. V. Georgievskii. *Obog. rud.* 9 no. 4 41-46 '64

## NIOBIUM

Interaction of niobium with aluminum oxide V. P. Elutkin, B. S. Lysov, B. S. Mitin. *Izv. vuz. ucheb. zav., Chern. met.* 8 no. 5:145-147 '65

Nickel diffusion in niobium. T. K. Iatsenko, L. F. Chernala. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 10:183-186 '64

## NIOBIUM CARBIDES

Manufacture and use of niobium carbide products. O. P. Kolchin, I. K. Berlin. *Porosh. met.* 5 no. 4:25-34 Ap '65

Some regularities in the sintering of niobium carbide A. D. Panasuk, P. S. Kislyi. *Porosh. met.* 5 no. 4:18-24 Ap '65

## NIOBIUM-NICKEL ALLOYS—METALLOGRAPHY

Constitutional diagram of the system niobium-nickel. V. N. Svechnikov, V. M. Pan, V. G. Korobelnikov. *Sbor. nauch. trud. Inst. metallofiz. AN URSR* no. 10:106-205 '64

## NIOBIUM-TITANIUM-CHROMIUM ALLOYS see Chromium-niobium-titanium alloys

## NITRATES

Study of phase transitions in sodium and potassium nitrates from Raman spectra. E. V. Chister. *Fiz. tver. tela* 7 no. 5:1588-1588 My '65

## NITRATION

Nitration of naphthalene and its derivatives. V. V. Reznichenko, Val. L. Plakidin. Ukr. khim. zhur. 31 no. 4:365-367 '65.

## NITRIFICATION

Effect of irrigation on the processes of nitrification in light-colored chestnut soils of the semidesert zone. F. E. Prostakov, I. U. A. Gerasimov. Agrokhimia no. 2 33-44 F '65.

## NITRILES

1, 3-Bipolar addition to unsaturated compounds. Part 3. Addition of 1, 3-diphenylhydrazine to alkylideneoxones and their analogs. I. I. Radchenko, V. N. Chistokletov, A. A. Petrov. Zhur. org. khim. 1 no. 1:51-57 Ja '65.

## NITRILUM COMPOUNDS

Use of nitrilum salts in the synthesis of heterocyclic amino acids. Part 3. Synthesis of derivatives of 3-4-dihydroisquinoline-1-(1'-alkyl)-nitrilic acids. S. G. Agabalian, L. A. Neisestan, A. O. Nahanian. Izv. AN Arm. SSR, Khim. nauk. 18 no. 1:83-87 '65.

## NITRO COMPOUNDS

Methyl ester of phenylnitromethane in the reaction of 1, 3-dipole cycloaddition. V. A. Tartakovskii and others. Izv. AN SSSR, Ser. khim. no. 3:552-551 '65.

## NITROGEN

Cultural characteristics of the effect of biotin and nitrogen source on the accumulation of gamma-aminobutyric acid in yeast. M. A. Ter-Karapetian, E. N. Makarova. Dokl. An Arm. SSR 40 no. 2:117-121 '65.

Effect of nitrogen on the formation of a chill layer and a transition zone in gray cast iron. I. I. Lev, Prapat Sh. Paltikhal. Izv. vys. ucheb. zav., Chern. met. 0 no. 5: 168-172 '65.

## NITROGEN—ANALYSIS

Microdetermination of nitrogen in poorly combustible organic compounds. T. A. Mikhailova, N. V. Khomov. Borisov. Zhur. anal. khim. 20 no. 3:359-363 '65.

NITROGEN—EFFECT ON PLANTS see Plants, Effect of nitrogen on

## NITROGEN—FIXATION

Induced character of nitrogen-fixation enzymes in Mycobacterium avium-abscessum sp. V. I. Lishin, L. P. Loseva, N. P. L'vov. Izv. AN SSSR, Ser. biol. no. 3:382-384 My-Je '65.

Molecular nitrogen fixation from nitrogen-hydrogen mixtures by the carrier-stabilized complexes. M. I. Khidekel', I. U. B. Giebenshtikov. Izv. AN SSSR, Ser. khim. no. 4:781-782 '65.

Study of nitrogen fixation of complex catalysts by means of  $N^{15}$ . M. E. Vol'pin, V. B. Shur, L. I. Bichin. Izv. AN SSSR, Ser. khim. no. 4:720-721 '65.

NITROGEN COMPOUNDS see subdivision under Donetsk

## NITROGEN FERTILIZERS

Amounts and dates for the placement of nitrogen fertilizers for cotton in meadow-bog soils of the Zoravshan Valley. F. Khodzhanizov. Sbor. nauch. rab. asp. SoluzNIKHI no. 5:244-253 '61.

Amounts and dates for the placement of nitrogen for cotton grown on alfalfa soil and following white durra in light-colored steppe soils of Andizhan Province. A. Makhmudov. Sbor. nauch. rab. asp. SoluzNIKHI no. 5:229-234 '61.

Chlorine-free nitrophoska SUM-III. M. N. Nablav, E. S. Mukimova, A. V. Zaki zhevakina. Uzb. khim. zhur. 8 no. 5:5-8 '64.

Determining nitrogen fertilizer requirements of grain crops in Chernozem soils of Western Siberia. A. E. Kochergin. Dokl. Akad. sci'khoz. nauk no. 2:5-8 F '65.

Effect of saturation and leaching irrigation on the dynamics of nitrogen in salinized soils and the study of the amounts and dates of the placement of nitrogen fertilizers for cotton in the Kara-Kalpak ASSR. K. Kurbanbaev. Sbor. nauch. rab. asp. SoluzNIKHI no. 5:282-284 '64.

Effect of soil moisture on the nitrification of urea for maldehyde fertilizers. A. A. Umarov. Sbor. nauch. rab. asp. SoluzNIKHI no. 5:353-357 '64.

Effect of the forms of nitrogen fertilizers on the nitrogen and phosphorus metabolism and resistance of plants to low soil temperatures. Z. F. Sycheva, S. N. Dorodov. Agrokhimia no. 4:56-60 Ap '65.

Effectiveness of slow-acting nitrogen fertilizers in turf-Podzolic soils. V. P. Zolotarev. Agrokhimia no. 1:42-46 Ja '65.

Effectiveness of the placement of nitrogen fertilizers before and during the planting of cotton in virgin soils of the Golden Steppe. K. M. Razykov. Sbor. nauch. rab. asp. SoluzNIKHI no. 5:235-243 '64.

Effectiveness of the placement of the various forms of nitrogen fertilizers for cotton. M. Dzhalilov. Sbor. nauch. rab. asp. SoluzNIKHI no. 5:358-364 '64.

## NITROGEN FERTILIZERS—ANALYSIS

Accelerated method for determining nitrogen in mixed fertilizers. V. M. Makarevich. Agrokhimia no. 4: 113-115 Ap '65.

Method of nonaqueous titration for the analysis of nitrogen fertilizers. L. D. Kambulova and others. Khim. v sel'khoz. 3 no. 3:26 Mr '65.

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

## NITROGEN IN THE BODY

Method of quantitative determination of nitrogen in organic compounds and tissues. I. F. Shamral, O. K. Khil'to, I. B. Sapozhin'ska. Ukr. biokhim. zhur. 34 no. 3:443-450 '62.

## NITROGEN ISOTOPES

Study of nitrogen fixation on complex catalysts by means of  $N^{15}$ . M. E. Vol'pin, V. B. Shur, L. I. Bichin. Izv. AN SSSR, Ser. khim. no. 4:720-721 '65.

## NITROGEN METABOLISM

Characteristics of the course of nitrogen metabolism in birds during the fall period as affected by iodine. Z. F. Dzhabarova. Izv. AN Azerb. SSR, Ser. biol. nauk no. 1:100-103 '65.

Effect of succinic acid on the nitrogen metabolism of germinating caryopses of spring wheat. G. A. Kirillova. Biol. Glav. bot. sada no. 56:52-57 '64.

Nitrogen and carbohydrate metabolism under various conditions of water supply in the leaves of different wheat varieties. S. M. Akhmedova. Dokl. AN Azerb. SSR 21 no. 1:51-54 '65.

Nitrogen metabolism in the culture of the survived tongue epithelium of cattle in the process of the reproduction of the virus of foot-and-mouth disease. L. A. Kopteva, D. A. Tsuvelkalov, R. I. Mel'nik. Vop. vct. virus 1:176-180 '64.

Nitrogen metabolism in the tissue culture of a cattle kidney during the process of the reproduction of the virus of foot-and-mouth disease. L. A. Kopteva, D. A. Tsuvelkalov, G. E. Pankova. Vop. vct. virus 1:166-175 '64.

## NITROGEN OXIDES

Liberation of nitrogen oxides from soil. B. N. Makarov. Agrokhimia no. 2:15-20 F '65.

Some new data on the interaction between cellulose and gaseous nitrogen oxides. Z. I. Kuznetsova, V. S. Ivanova, N. N. Shnygina. Izv. AN SSSR, Ser. khim. no. 3: 557-559 '65.

## NITROGEN OXIDES—THERAPEUTIC USE

Extrapulmonary use of nitrogen oxide in the early post-operative period. N. V. Rozovskii, A. O. Alks. Vest. khir. 93 no. 12:74-78 D '64.

## NITROGLYCERIN

Low velocity detonation of nitroglycerin. I. M. Voskoboinikov, A. V. Dubovik, V. K. Bobolev. Dokl. AN SSSR 181 no. 5:1152-1155 Ap '65.

## NITROGLYCERIN—PHYSIOLOGICAL EFFECT

Some data on the effect of nitroglycerin and thermal stimulants on the capillary blood circulation in elderly and senile persons. Preliminary report. K. G. Sarkisov. Vop. geront. i geriat. 4:81-84 '65.

## NITROSO COMPOUNDS

Interaction of nitrosyl chloride with unsaturated compounds. Part 17: Cis-trans isomerism of dimers of aliphatic chloronitroso compounds. M. A. Samartsev, K. A. Ogloblin. Zhur. org. khim. 1 no. 1:31-37 Ja '65.

## NITROSYL CHLORIDE

Interaction of nitrosyl chloride with unsaturated compounds. Part 16: Reaction with methyl methacrylate. K. A. Ogloblin, V. P. Semenov. Zhur. org. khim. 1 no. 1: 27-30 Ja '65.

Interaction of nitrosyl chloride with unsaturated compounds. Part 17: Cis-trans isomerism of dimers of aliphatic chloronitroso compounds. M. A. Samartsev, K. A. Ogloblin. Zhur. org. khim. 1 no. 1:31-37 Ja '65.

## NIZHNY TAGIL—CRUSHING MACHINERY—TESTING

Scientific technological conference on the results of testing the Nizhny Tagil crushing unit, held October 14-16, 1964. K. V. Sonkevich. Koks i khim. no. 4: 59-60 '65.

## NOGAYSK REGION (UKRAINE)—INSECTIVORA, FOSSIL

Topachevskii, V. A. [Insectivora and Rodentia of the Nogaysk Late Pliocene fauna] Nasekomoladnye i gryzunogalskoi pozdneplotsenoi fauny. Kiev, Naukova dumka, 1965. 162 p.

## NOGAYSK REGION (UKRAINE)—RODENTS, FOSSIL

Topachevskii, V. A. [Insectivora and Rodentia of the Nogaysk Late Pliocene fauna] Nasekomoladnye i gryzunogalskoi pozdneplotsenoi fauny. Kiev, Naukova dumka, 1965. 162 p.

## NOISE CONTROL

Industrial noise control. L. K. Lukashenko, I. U. I. Trushin. Mashinostroitel' no. 5:39-40 My '65.

Seminar on the reduction of noise and vibration of motor vehicles. A. G. Zubakin, G. V. Latyshev, V. E. Tol'skii. Avi. prom. 31 no. 4:47-48 Ap '65.

## NOMOGRAPHY (MATHEMATICS)

Nomogram for determining the delivery and permissible pressure of a piston pump in the ZTsA-400 cementing assembly. S. V. Logvinenko. Buionie no. 5:21-22 '64.

Selecting filters and determining the loads on them when testing deep wells. N. F. Riazantsev. Buionie no. 6: 21-24 '61.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

## NONFERROUS ALLOYS—HARDENING

Production of high strength pipe from VT15 alloy using thermomechanical treating. A. I. Khorev. TSvet. met. 38 no. 4:67-69 Ap '65.

## NONFERROUS INGOTS

Shelf-type compartmented electric furnace for heating nonferrous alloy billets. V. V. Petovich, L. A. Lukhmanov, N. A. Kudin. Kuz. shcham. p. o. izv. 6 no. 12:31-32 D '64.

Using zone recrystallization for variable cross section ingots. V. N. Vigdorovich, A. E. Vol'pin. Izv. AN SSSR, Met. no. 1:88-96 Ja-F '65.

## NONFERROUS METAL INDUSTRIES

Introduction as scheduled of new productive capacities. V. A. Amnenkov. TSvet. met. 38 no. 4:1-4 Ap '65.

## NONFERROUS METAL INDUSTRIES—ACCOUNTING

Know everyday results. A. Shetevsk. Fin. SSR 39 no. 5:67 My '65.

## NONFERROUS METAL INDUSTRIES—CONGRESSES

The IV Plenum of the Central Administration of the Scientific Technological Society for Nonferrous Metallurgy. I. U. T. Skolnikov. Ger. zhur. no. 4:76-77 Ap '65.

## NONFERROUS METALS

(see also subdivision under Altai Mountains; Sayan Mountains)

Generalizing the experience acquired in operating and improving the equipment of nonferrous metal ore dressing plants. A. I. Basov. TSvet. met. 38 no. 4: 91-93 Ap '65.

## NONFERROUS METALS—CONGRESSES

Conference on the beneficiation of tungsten and molybdenum ores, and the metallurgy of tungsten, molybdenum and rhenium. V. I. Batashev. Izv. AN SSSR, Met. no. 1:195-196 Ja-F '65.

## NONFERROUS METALS—CORROSION

Behavior of hard metals in fused potassium chloride. A. E. Ushakov, S. I. Stepanov, N. G. Bukun. Izv. AN SSSR, Met. no. 1:149-150 Ja-F '65.

## NONFERROUS METALS—METALLURGY

Burov, A. I., E. I. Shteinberg, and V. L. Kaneyevskii. [Automation of sintering plants in nonferrous metallurgy] Avtomatizatsia aglomeratsionnykh tsekhov tsvetnoi metallurgii. [Moskva] Metallurgii, 1965. 167 p.

Dispersity of the carried-off particles during the processing of granular materials in fluidized and suspended states. E. V. Donat. Izv. AN SSSR, Met. no. 1:39-45 Ja-F '65.

## NONFERROUS METALS—TESTING

Changes in the internal friction of aluminum, cadmium, and copper dependent on cyclic deformation. G. A. Gorshkov, V. S. Postnikov. Izv. AN SSSR, Met. no. 1: 108-112 Ja-F '65.

## NONMETALLIC MATERIALS

Samsonov, G. V., and P. S. Kislyi. [High-temperature nonmetallic thermocouples and tips] Vysokotemperaturnye nemetallicheskie termopary i nakonechniki. Kiev, Naukova dumka, 1965. 180 p.

## NONWOVEN FABRICS

Extent of the utilization of the strength of fibers and binding agents in fiber bonded nonwoven fabrics. V. B. Tikhomirov, V. E. Gusev. Tekst. prom. 25 no. 4:39-42 Ap '65.

Nonwoven fabrics from pure silk wastes. V. P. Lohacheva, M. P. Efendeva, A. P. Shevchenko. Tekst. prom. 25 no. 5:53-54 My '65.

Production of nonwoven filter materials by means of the impregnation of fibrous systems with high-polymer dispersants. E. T. Ustinova, S. S. Volutskii. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 1:104-110 '65.

Production of nonwoven filter materials by means of the impregnation of fibrous systems with high polymer dispersants. E. T. Ustinova, S. S. Volutskii. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 2:108-113 '65.

## NONWOVEN FABRICS—TESTING

Method for determining yarn content of nonwoven mechanically-bonded fabrics. O. K. Mukhammedzhanov. Tekst. prom. 25 no 5:51-56 My '65

## NORADRENALINE

Effect of noradrenaline on the content of nucleic acids and proteins in the liver and heart of rabbits. N. O. Shabunova. Dtsk. biokhim. zhur. 37 no 1:7a-81 '65

## NORCARANE

Comparative reactivity of norcarane and cyclopropane in ionic reactions. O. M. Nefedov, M. N. Novitskaya, V. I. Shiriayev. Dokl. AN SSSR 161 no 5:1089-1092 Ap '65

## NORIL'SK (KRASNOYARSK TERRITORY)—CIVIL DEFENSE

Beyond the Arctic Circle. I. Kurepin. Voen. znani. 41 no 5:23 My '65

## NORIL'SK REGION (KRASNOYARSK TERRITORY)—MACHINERY

Increasing the reliability and lifetime of machinery of the Noril'sk Combine. S. I. Razin. Stroitel. mash. 8 no 3:33-35 My '65

## NORTH AMERICA—LEPTOSPIROSIS

Leptospirosis in wild mammals of North America. N. P. Sveshnikova, E. V. Karaseva. Zool. zhur. 44 no 2:253-263 '65

## NORTH AMERICA—MAMMALS—DISEASES AND PESTS

Leptospirosis in wild mammals of North America. N. P. Sveshnikova, E. V. Karaseva. Zool. zhur. 44 no 2:253-263 '65

## NORTH ATLANTIC TREATY ORGANIZATION

NATO and the "limited war" plans in Europe. B. Teplovskii. Nov. vrem. 23 no 23:7-9 Je '65

NATO: limit of cohesion. M. Kobrin. Nov. vrem. 23 no 24:10-12 Je '65

Professor Greve "reforms" NATO. M. Zagorskaya. Mir. epoch. i mezhdunar. otn. no 6:52-93 '65

A shaky alliance; the problem of "special relations" with America. I. Lemin. Mezhdunar. zhizn'. 12 no 5:86-88 My '65

Weakening of the system of imperialist alliances. I. U. Rubinskii. Mir. epoch. i mezhdunar. otn. no 6:3-13 '65

## NORTH OSETIA see Osetia, North

## NORTH SEA—HERRING

Forecasting relative yield of the Baltic cod and bank herring of the North Sea. A. E. Antonov. Ryb. khoz. 41 no 4:13-14 '65

## NORTHEAST PASSAGE

Present status and prospects of the export of timber through Igarka by the Northern Sea Route, on the 35th anniversary of Igarka. E. V. Greshnova. Probl. Arkt. i Antarkt. no. 19:5-9 '65

## NORTHERN CAUCASUS see Caucasus, Northern

## NORWAY—DESCRIPTION AND TRAVEL

In the country of blue fjords. V. Vavilov. Nov. vrem. 23 no. 23:26-28 Je '65

## NORWAY—FOREIGN RELATIONS—RUSSIA

Norwegian guests in the U.S.S.R. Nov. vrem. 22 no. 22:4-5 My '65

## NORWEGIAN SEA—MICROMESISTIUS

Distribution of Micromesistius and prospects for its fisheries in the Norwegian Sea. V. K. Zilanova. Ryb. khoz. 41 no 4:10-12 '65

## NOSE—DISEASES

Etiology of infectious atrophic rhinitis of swine. V. V. Nikolaeva. Vop. vet. virus. 1:554-557 '64

Materials for further studying the etiology of infectious atrophic rhinitis of swine. A. K. Volynets. Mikrobiol. zhur. 26 no 3:69-73 '64

## NOSE—MICROBIOLOGY

Rhinocystidiosis in swine influenza. D. F. Osidze. Vop. vet. virus. 1:453-458 '64

## NOSEOLOGY

Basic problems of epidemiological geography. Report No. 2. Conception of nosological areas. I. I. Eskin, V. K. Iashkul. Zhur. mikrobiol., epid. i immu. 41 no. 11:48-53 N '64

Materials on the classification of clinical forms of cysticercosis of the brain. E. I. Salganik. Zhur. nevro. i psikh. 65 no 5:685-690 '65

Typology and clinical aspects of the initial periods of schizophrenia. I. U. V. Kirakosov. Vop. klin. i patog. i lech. shiz. no. 1:63-66 '64

## NOTARIES

Notarial practice. Sov. iust. 29 no. 7:32 Ap '65

## NOTARY AND CLIENT see subdivision under Crimea

## NOVAYA LADOGA (LENINGRAD PROVINCE)—COMRADES COURTS

Our work experience. V. Novikov. Sov. iust. 29 no 7:26 Ap '65

## NOVAYA SIBIR' ISLAND—FERNS, FOSSIL

Find of the fern *Hausmannia* in the Upper Cretaceous sediments of Novaya Sibir' Island. L. I. Budantsev, I. N. Sveshnikova. Dokl. AN SSSR 162 no. 2:436-437 My '65

## NOVGOROD—INSURANCE, SOCIAL—EMPLOYEES

One for all and all for one. A. Semenov. Sots. obshch. 26 no 4:16-18 Ap '65

## NOVIK, MAK S SOLOMONOVICH, 1903-1964

Maks Solomonovich Novik, an obituary. I. P. Alkosenko. Otop., travm. i protez. 26 no 2:93 F '65

## NOVOARKHANGEL'SK DISTRICT—CIVIL DEFENSE—STUDY AND TEACHING

... although even ahead of schedule. P. Kashitsyn. Voen. znani. 41 no 6:26 Je '65

## NOVOCALINE

Novocaline block of the reflexogenic carotid sinus zone. V. M. Lyskovtseva. Voen.-med. zhur. no. 11:76-77 '64

State of the cerebrospinal fluid in animals after a suboccipital injection of novocaline. I. G. Helogudov. Trudy mol. uch. UASHN no 9:40-44 '63

Treatment of myocardial infarction by ligation of the internal thoracic artery associated with block of the presacral nerve plexus. V. I. Kolesov, R. V. Pavlova. Vest. khir. 84 no. 2:13-19 F '65

## NOVOCHERKASSK—PRODUCTION ENGINEERING

Novocherkassk system for industrial management. N. Stoliarov. NTO 7 no 3:18-21 Mr '65

## NOVO-ELKHOVSKOYE OIL FIELD—OIL WELL DRILLING

Cave formation and the efficiency of methods for its control in the Novo-Elkhovskoye oil field. T. N. Biskubina, M. P. Muradov, F. A. Kozlov. Burenie no 1:7-11 '65

## NOVOLAZAREVSKAYA STATION, ANTARCTICA—VEGETABLE GARDENING

"Gardening" in Antarctica. I. M. Titovskii. Inform. biul. Sov. antark. eksp. no 49:63-64 '64

## NOVOLAZAREVSKAYA STATION REGION, ANTARCTICA—SNOW

Snow accumulation on the shelf ice in the region of the Lazarev and Novolazarevskaya Stations in 1962. I. M. Simonov. Inform. biul. Sov. antark. eksp. no 49:13-18 '64

## NOVOLAZAREVSKAYA STATION REGION, ANTARCTICA—TIDES

Tides in the Novolazarevskaya Station region. L. I. Dubrovina, I. M. Simonov. Inform. biul. Sov. antark. eksp. no. 50:24-27 '64

## NOVOMOSKOVSK—GYPSUM

Using self-propelled equipment in mines of the Novomoskovsk Gypsum Combine. E. M. Iampol'skii, F. F. Machul'skii, S. S. Muzgin. Gor. zhur. no 4:8-10 Ap '65

## NOVOSIBIRSK—AIRSHIPS

Silver cigars are prepared for a start. I. U. Dmitriev. NTO 7 no. 4:43-45 Ap '65

## NOVOSIBIRSK—BUILDINGS, PREFABRICATED

Pushkarev, V. V., A. P. Ruch'ev, and R. M. Okunova. [Large-panel housing construction; from practices at building projects in Novosibirsk, Krasnoyarsk, and Kemerovo.] Krupnopanel'nye domostroyeniye iz opyta zastroiki Novosibirsk, Krasnoyarsk i Kemerovo, Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1964, 208 p.

## NOVOSIBIRSK—COMMUNIST PARTY OF THE SOVIET UNION

Exactness toward comrades. V. Kotogova. Part. zhizn'. no. 10:64-65 My '65

## NOVOSIBIRSK—CONSTRUCTION INDUSTRY

Exactness toward comrades. V. Kotogova. Part. zhizn'. no. 10:64-65 My '65

## NOVOSIBIRSK—CRIMINAL JUSTICE, ADMINISTRATION OF

Impermissible practice. V. Monakhov. Sov. iust. 29 no. 10:20-21 My '65

## NOVOSIBIRSK—EDUCATION, PRESCHOOL

Already at the nursery school age... S. Bakharova. Doshk. vosp. 38 no. 1:77 Ja '65

## NOVOSIBIRSK—PRECAST CONCRETE—TECHNOLOGICAL INNOVATIONS

Kostoglodov, R. I., Gorbakovskii, and V. Kosmachov. [Plant's second youth] Vtoraya molodost' zavoda. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962, 68 p.

[MICROFILM]

## NOVOSIBIRSK—SENTENCES (CRIMINAL PROCEDURE)

Impermissible practice. V. Monakhov. Sov. iust. 29 no 10:20-21 My '65

## NOVOSIBIRSK—TECHNICAL EDUCATION

Our people's university. I. I. Karatayev. NTO 7 no 3:10-11 Mr '65

## NOVOSIBIRSK—TELECOMMUNICATION

For the inhabitants of Novosibirsk. V. P. Oleinik. Vest. aviats. 23 no 5:23-25 My '65

## NOVOSIBIRSK—VOCATIONAL INTERESTS

Youth starts out in life. V. N. Shubkin. Vop. filoz. 10 no 5:57-70 '65

## NOVOSIBIRSK—YOUTH—EMPLOYMENT

Youth starts out in life. V. N. Shubkin. Vop. filoz. 10 no 5:57-70 '65

## NOVOSIBIRSK PROVINCE—AGRICULTURAL LIBRARIES

Collective-farm workers are guided in reading here. N. Nikolaeva. Biblioteka i u. no 3:12-15 Mr '65

## NOVOSIBIRSK PROVINCE—DISABILITY EVALUATION

Collective farmers undergo medical check-up. I. Ielgin. Sots. obshch. 26 no. 4:22-23 Ap '65

## NOVOSIBIRSK PROVINCE—FARM BUILDINGS—DESIGN AND CONSTRUCTION

Kostoglodov, R. I., Gorbakovskii, and V. Kosmachov. [Plant's second youth] Vtoraya molodost' zavoda. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962, 68 p.

[MICROFILM]

## NOVOSIBIRSK PROVINCE—HEMORRHAGIC FEVER

Occurrence of Omak hemorrhagic fever in man and muskrats in the winter period. T. N. Fedorova, G. A. Sivomova. Zhur. mikrobiol., epid. i immu. 41 no. 11:131-136 N '61

## NOVOUFIMKA (SVERDLOVSK PROVINCE)—PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Causes of explosions in the crankcases of 80K gas-engine compressors. A. F. Shingalov, B. I. Mikorin, L. E. Pokhitun. Neftep. i neftekhim. no. 4:30-43 '65

## NOZZLES

Effect of the geometric characteristics of an l/d nozzle on the length of the continuous section of the flow. V. I. Smirnov. Izv. vuz. ucheb. i tekhn. tekhn. prom. no. 1:123-126 '65

## NUCLEAR BINDING ENERGY see Binding energy

## NUCLEAR COUNTERS

Device for recording protons with E = 3+14 Mev. and  $\alpha$ -particles and nuclei with Z > 2. I. A. Savenko, O. I. Savva, A. V. Urovskii. Geomag. i aer. 5 no. 3:550-553 My-Je '65

Method for determining the dead time of nuclear counters. I. N. Kapustin. Geomag. i aer. 5 no. 3:594-595 My-Je '65

## NUCLEAR FISSION

Angular distribution of fragments in the photofission of  $^{230}\text{U}$  and  $^{232}\text{Th}$  by gamma rays from the reaction  $^{18}\text{O}(\text{p}, \gamma)^{19}\text{F}$ . A. S. Soldatov and others. IAD. fiz. 1 no. 3:471-475 Mr '65

Distribution of the masses and kinetic energies of fragments in the fission of  $^{232}\text{Th}$  by 12 Mev. deuterons. I. U. A. Nemilov and others. IAD. fiz. 1 no. 4:633-638 Ap '65

Energy characteristics of fragments resulting in the fission of  $^{232}\text{Th}$  and  $^{238}\text{U}$  nuclei by charged particles. B. A. Borzhagov and others. IAD. fiz. 1 no. 3:461-470 Mr '65

Energy dependence of the angular anisotropy of gamma radiation accompanying  $^{235}\text{U}$  fission. G. A. Petrov. IAD. fiz. 1 no. 3:476-478 Mr '65

$\text{Li}^8$  production in the fission of  $\text{Cl}^{32}$  nuclei by high-energy protons. R. V. Afanas'eva and others. IAD. fiz. 1 no. 1:76-79 Ja '65

Neutron emission from  $^{233}\text{U}$ ,  $^{235}\text{U}$ , and  $^{239}\text{Pu}$  fission fragments. V. Apal'in and others. IAD. fiz. 1 no. 4:639-646 Ap '65

## NUCLEAR MAGNETIC RESONANCE

Analysis of polyfluorochlorobenzene mixtures by the methods of nuclear magnetic resonance and infrared spectroscopy. I. U. N. Molin and others. Zhur. anal. khim. 20 no. 3:396-397 '65

Etharetes of trihalogorobenzene studied by nuclear magnetic resonance spectroscopy. O. M. Nefedov and others. Dokl. AN SSSR 162 no. 3:580-582 My '65

## NUCLEAR MAGNETIC RESONANCE (Continued)

- Flowmeter based on the principle of nuclear magnetic resonance. A. I. Zhelezovskiy, V. M. Sidorovich. *Izv. vuzovskiy ziv. fiz.* 8 no. 2 45-48 '65.
- Nuclear magnetic resonance and infrared spectra of triterpenoids isolated from ginseng. A. K. Dzhalenko, M. I. Nefedova, G. B. Chikova. *Dokl. AN SSSR* 162 no. 3 569-572 My '65.
- Nuclear magnetic resonance spectrum of dibenzyl methyl. I. P. Beletskiy and others. *Izv. AN SSSR. Ser. khim.* no. 5 933 '65.
- Nuclear quadrupole resonance method of studying organosilicon compounds containing Si-Cl and C-Cl bonds. I. P. Biriukov and others. *Dokl. AN SSSR* 162 no. 1 136-138 My '65.
- Nuclear quadrupole resonance of 1,1-dichloro and 1-methyl-1-chloro-1-silacyclohexanes. I. P. Biriukov and others. *Dokl. AN SSSR* 161 no. 6 1336-1338 Ap '65.

## NUCLEAR MAGNETOMETER

- Optimal method for measuring the frequency of free nuclear precession in the presence of noise. E. E. Blagoveshchenskaya, F. M. Gol'tsman, A. I. Rotshtein. *Geomagn. i aer.* 5 no. 3 551-562 My-Je '65.

## NUCLEAR MODELS

- Characteristics of electric dipole transitions in odd deformed nuclei. E. L. Beljovich. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 838-845 My '65.
- Density of levels and thermodynamic functions of an atomic nucleus allowing for the effects of pair correlation. I. U. T. Gryn', V. M. Strutinskii. *Iad. fiz.* 1 no. 3 420-425 Mr '65.
- Effect of pair correlations on E1-transitions in deformed nuclei. O. G. Gudetskiy, N. I. Piatov. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 830-837 My '65.
- Interaction between beta and gamma bands in deformed nuclei. V. V. Lomonosov, M. G. Urin. *Iad. fiz.* 1 no. 1 32-37 Ja '65.
- A model of the symmetry of strong interactions based on the Sp6 group. B. V. Strutinskii. *Iad. fiz.* 1 no. 4 701-709 Ap '65.

- Nucleon-phonon Hamiltonian for spherical nuclei. S. T. Beliaev. *Iad. fiz.* 1 no. 1 3-12 Ja '65.

## NUCLEAR OPTICAL MODELS

- Elastic scattering of medium-energy neutrons, and an optical nuclear model. I. A. Korzh, I. E. Kashuba, I. A. Teiskii. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 882-887 My '65.
- Excitation of the rotational levels of nuclei in nucleon scattering. S. I. Dzordov. *Iad. fiz.* 1 no. 3 407-413 Mr '65.
- Proton-antiproton interaction at nonrelativistic energies with allowance made for Coulomb forces and the neutron-proton mass difference. I. U. F. Stokov. *Iad. fiz.* 1 no. 4 710-711 Ap '65.

## NUCLEAR PHYSICS

- Elimination of nonphysical characteristics in the Feshbach-Pauli field theory of weak interactions. A. A. Slavnov, A. D. Shabad. *Iad. fiz.* 1 no. 4 721-728 Ap '65.
- Reduction formulae and representations for amplitudes of n-angular diagrams. B. N. Valiev. *Iad. fiz.* 1 no. 4 715-720 Ap '65.

## NUCLEAR REACTIONS

- Annihilation of a baryon-antibaryon pair producing a meson and a virtual gamma quantum ( $N + \bar{N} \rightarrow \pi + e^+ + e^-$ ). Y. N. K +  $e^+ + e^-$  at high energies. M. P. Rokalo. *Ukr. fiz. zhur.* 10 no. 4 357-367 Ap '65.
- Asymmetry of the angular distribution of the products of the reaction  $Si^{28}(d, d)Si^{28}$  with polarized deuterons. O. L. Mal'ko, M. V. Pasichnyk, L. S. Salykov. *Ukr. fiz. zhur.* 10 no. 4 482-483 Ap '65.
- Cross section of pion charge exchange at 4 Bev. I. M. A. Azimov and others. *Iad. fiz.* 1 no. 1 145-147 Ja '65.
- Cross sections of reactions of He<sup>3</sup> with light nuclei. O. D. Brill'. *Iad. fiz.* 1 no. 1 55-60 Ja '65.
- Determining the contribution of the  $3/2, 3/2$  isobar to inelastic  $\pi$ -p-interaction processes at the  $\pi$ -meson kinetic energy of 344 Mev. T. N. Blokhintseva and others. *Iad. fiz.* 1 no. 1 103-112 Ja '65.
- Differential cross sections of the processes  $e^+e^- \rightarrow \mu^+\mu^- \gamma$ . V. G.  $\mu^+ \mu^- \gamma$ . A. D. Dolgov. *Iad. fiz.* 1 no. 1 80-91 Ja '65.
- An effect accompanying nuclear reactions in single crystals and its use in various physical research. A. F. Tulinov. *Dokl. AN SSSR* 162 no. 3 548-548 My '65.
- Energy distribution of recoil nuclei in evaporation. F. P. Denisov. *Iad. fiz.* 1 no. 4 607-611 Ap '65.
- Ground state correlation effects in nuclear reactions. F. A. Zhuravskiy, N. P. Iudin. *Vest. Mosk. un. Ser. 3 Fiz., astron.* 20 no. 2 30-34 Mr-Apr '65.
- Inelastic pp-interactions with low transfer of momentum. S. A. Azimov and others. *Iad. fiz.* 1 no. 4 678-680 Ap '65.
- Lepton annihilation of proton-antiproton pairs with allowance for form factors and polarization correlations. A. A. Sokolov and others. *Dokl. AN SSSR* 161 no. 6 1317-1319 Ap '65.

- Levels of the Al<sup>27</sup> nucleus with excitation energies of 10, 485 and 3.95 Mev. A. K. Valt'ir, E. G. Kopanets, S. P. Tsytko. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 803-807 My '65.
- Levels of the Er<sup>168</sup> nucleus excitable in the ( $n, \gamma$ ) reaction. L. V. Groshev and others. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 772-781 My '65.
- Levels of the Ho<sup>166</sup> nucleus from the ( $n, \gamma$ ) reaction. L. V. Groshev, N. Shadiev. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 782-786 My '65.
- Measurement of the linear polarization of 1.97 Mev. gamma rays in the reaction  $Ar^{36}(p, p')Ar^{36}$ . A. K. Valt'ir, E. G. Kopanets, S. P. Tsytko. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 800-802 My '65.
- Method of quantum Green functions in nuclear reaction theory. F. A. Zhuravskiy. *Iad. fiz.* 1 no. 4 606-606 Ap '65.
- The  $N^{14}(\pi, 2p)3\alpha$  reaction with 80 Mev.  $\pi^+$ -mesons. B. P. Afanas'ev, V. I. Ostrozhkov. *Iad. fiz.* 1 no. 4 647-651 Ap '65.
- Neutron polarization in (d, n) type stripping reactions with  $10 \leq 1$  N. P. Babenko and others. *Iad. fiz.* 1 no. 3 452-455 Mr '65.
- Neutron spectra and angular distributions in (d, n) reactions involving nuclei of medium atomic weight. V. V. Okorokov, D. L. Tolchenkov. *Iad. fiz.* 1 no. 3 448-451 Mr '65.
- Artificial transitions in the photoproduction of charged  $\pi$ -mesons on light nuclei. V. V. Balashov, G. I. A. Kozman, T. S. Macharadze. *Iad. fiz.* 1 no. 4 668-675 Ap '65.
- Photoproduction of neutral pions near the threshold. A. M. Balin and others. *Iad. fiz.* 1 no. 1 102-105 Ja '65.
- The  $\pi^+p \rightarrow \pi^+ + 1$  reaction with polarized particles. S. M. Bilen'kiy, R. M. Ryndin. *Iad. fiz.* 1 no. 1 84-88 Ja '65.
- The  $\pi^+p \rightarrow \pi^+n$  reaction near the threshold, and  $\pi^+n$ -interaction. I. U. A. Batugov and others. *Iad. fiz.* 1 no. 4 687-692 Ap '65.

- Quasi-elastic  $\pi^+n$ -interaction at an energy of 0.6 Bev. I. M. Gramenitskiy and others. *Iad. fiz.* 1 no. 1 113-121 Ja '65.

- Simple description of the angular distribution of the decay products of a compound nucleus following a direct nuclear reaction. V. M. Strutinskii. *Iad. fiz.* 1 no. 4 688-695 Ap '65.
- Total cross sections of the  $\pi^+p \rightarrow \pi^+ + \pi^+ + n$  reaction near the threshold and the angular distributions of secondary particles. I. U. A. Batugov and others. *Iad. fiz.* 1 no. 3 528-532 Mr '65.

- Unitary description of reactions with the formation of several nonrelativistic particles. R. B. Gorelik, N. P. Kiepirov, V. A. Iudin. *Iad. fiz.* 1 no. 1 152-159 Ja '65.
- Unitary multiple mixtures. V. B. Mandel'tseva, M. B. Menskii. *Iad. fiz.* 1 no. 3 551-555 Mr '65.

- Upper bound of the cross section of coherent interactions between fast-mesons and heavy nuclei from emulsions. S. A. Azimov, E. V. Peter, U. G. Gullamov. *Iad. fiz.* 1 no. 1 72-75 Ja '65.
- Use of the diagram summation method in making allowance for interaction in the initial and final states of direct nuclear reactions. D. I. Dolitskiy, L. D. Blokhintsev, A. M. Mukhamedzhanov. *Iad. fiz.* 1 no. 3 426-435 Mr '65.

## NUCLEAR REACTORS

- Systems for studying reactor radiation on the electrical characteristics of liquid dielectrics. E. I. Krizhnik, V. S. Karaev. *Energ. i elektrotekh. prom.* no. 1 42-44 Ja-Mr '65.

## NUCLEAR REACTORS—ABSTRACTS

- [Nuclear reactors] Ref. zhur.: *Iad. reak.* no. 5 My '65.

## NUCLEAR SPIN

- Influence of the spin effect on the annihilation and production of electron-positron pairs due to weak interaction. A. A. Sokolov, I. U. F. Ivanov, D. V. Onufriyev. *Iad. fiz.* 1 no. 3 507-510 Mr '65.
- Quantum oscillations of the relaxation time of nuclei in semimetals. G. F. Gurgenshvilii, G. R. Khutsishvili. *Fiz. tver. tela* 7 no. 5 1335-1341 My '65.
- Resonance transitions of waves in the presence of splitting. V. G. Baryshevskii, V. L. Duboshits, M. I. Podgoretskii. *Iad. fiz.* 1 no. 1 27-31 Ja '65.
- Spin absorption in weak magnetic fields. B. N. Provotorov, A. A. Samokhin. *Fiz. tver. tela* 7 no. 5 1281-1293 My '65.
- Time dependence of the establishment of equilibrium magnetization of a nuclear spin system under the action of ultra sound. A. M. Sazonov, S. B. Grigor'ev. *Fiz. tver. tela* 7 no. 5 1388-1392 My '65.

## NUCLEASES

- Methods of isolating and determining the activity of nucleases. V. S. Shepot, I. A. Shudnova, G. D. Krechetova. *Sovr. metod. v biokhim.* 1 287-291 '64.

## NUCLEI, ATOMIC

- Applicability of the Ikegami-Udagawa method in allowing for pair correlations when calculating the probability of electromagnetic transitions in deformed nuclei. E. E. Berlovich, W. Meiling, V. K. Tarasov. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 846-848 My '65.

- Compressibility and polarizability of nuclear matter. A. S. Tlaya. *Iad. fiz.* 1 no. 1 582-587 Ap '65.
- Effect of interference in the Coulomb excitation of  $2^+$  levels in even-even nuclei. I. U. P. Gornitskiy, V. I. Isakov, I. Kh. Lemberg. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 853-856 My '65.
- Influence of second-order effects on angular correlations in Coulomb excitation of nuclei. V. I. Isakov. *Izv. AN SSSR. Ser. fiz.* 29 no. 5 816-822 My '65.
- Multiple Coulomb excitation of nuclei. I. Herson. *Iad. fiz.* 1 no. 3 456-460 Mr '65.
- Isotope shifts and quadrupole moments of near-spherical nuclei. G. G. Bunikan, M. A. Mikulinskiy. *Iad. fiz.* 1 no. 1 38-45 Ja '65.
- Mass differences of near-magic nuclei. E. E. Supershtein, M. A. Tiofiskii. *Iad. fiz.* 1 no. 3 400-405 Mr '65.
- Quadrupole giant resonance in heavy nuclei. A. A. Lushnikov, M. G. Urin. *Iad. fiz.* 1 no. 3 438-442 Mr '65.
- Separation of the corner variables in equations for the effective field in spherical nuclei. I. U. V. Capanov, V. P. Krainov. *Iad. fiz.* 1 no. 4 571-580 Ap '65.

## NUCLEI, ATOMIC—DECAY

- Simple description of the angular distribution of the decay products of a compound nucleus following a direct nuclear reaction. V. M. Strutinskii. *Iad. fiz.* 1 no. 4 688-695 Ap '65.
- Splitting of hypernuclei in a Coulomb field. R. V. Vadrinskii, N. M. Kolenikov. *Vest. Mosk. un. Ser. 3 Fiz., astron.* 20 no. 2 71-80 Mr-Apr '65.

## NUCLEI, ATOMIC—OSCILLATIONS

- Collective oscillations in nearly spherical nuclei. V. I. Ocherenko. *Ukr. fiz. zhur.* 10 no. 5 108-108 My '65.
- Effect of surface oscillations in strongly deformed nuclei on the character of their dipole excitation. S. P. Semenov. *Iad. fiz.* 1 no. 3 411-410 Mr '65.

## NUCLEI, ATOMIC—SPECTRA

- Energy spectrum of odd spherical nuclei. S. T. Beliaev, V. G. Zelevinskiy. *Iad. fiz.* 1 no. 1 13-26 Ja '65.

## NUCLEI, ATOMIC—THERMODYNAMICS

- Density of levels and thermodynamic functions of an atomic nucleus allowing for the effects of pair correlation. I. U. T. Gryn', V. M. Strutinskii. *Iad. fiz.* 1 no. 3 420-425 Mr '65.

## NUCLEIC ACID METABOLISM

- Age-related aspects of quantitative changes in deoxyribonucleic acid under conditions of reparative regeneration of the myocardium. N. D. Skuba, Vop. geron. i geriat. 4 130-135 '65.
- Biosynthesis of nucleic acids. G. P. Georgiev. *Pilroda* 51 no. 5 332-36 My '65.
- Changes in the concentration of nucleic acids in gonada of Leucophaea elongata exposed to uranium. M. M. Telichenko, T. I. Chistakova. *Dokl. AN SSSR* 161 no. 4 882-893 Ap '65.
- Effect of triptamine sulfate on the effectiveness of oxidative phosphorylation and the nucleic acid content in bacterial cells. V. F. Kuznetsov. *Antibiotiki* 10 no. 2 105-112 F '65.
- Induction of a lysogenic culture of Micrococcus lysodicticus by antibiotics selectively inhibiting deoxyribonucleic acid synthesis. I. U. V. Duznik. *Antibiotiki* 10 no. 2 112-117 F '65.
- Synthesis of DNA and multiplication of corneal epithelial cells after irradiation. M. N. Veselkina. *Tsitol. i gen.* 4 no. 5 571-573 S-O '62.

## NUCLEIC ACIDS

- Action of the centimeter-long radio waves on vegetative cells, spores and transforming DNA. V. N. Lyasov, D. A. Frank-Kamenetskii. *Biophysika* 10 no. 1 105-109 '65.
- Age-related changes in some properties of DNA of the intestinal mucous membrane of white rats. I. I. Knyazov. *Ukr. biokhim. zhur.* 37 no. 1 43-50 '65.
- Change in the DNA composition of double transformants of B. subtilis and B. subtilis adducts. T. D. Dekhtarenko. *Mikrobiol. zhur.* 26 no. 3 28-31 '64.
- Characteristics of nucleic acid preparations. Determination of molecular weight of DNA based on its characteristic viscosity. D. M. Spitkovskii. *Sovr. metod. v biokhim.* 1 229-236 '64.
- Content and composition of nucleic acid in the muscles and testes of Peking and wild ducks. V. M. Haiduk. *Ukr. biokhim. zhur.* 34 no. 3 352-358 '62.
- Cross-linkages and locally denatured areas induced in double-strand DNA by ultraviolet rays of different wavelengths. A. P. Savich, G. B. Zavit'gel'skii. *Dokl. AN SSSR* 162 no. 4 952-955 Je '65.
- Cytochemical study of ribonucleic acid in the cells of some representatives of the family Trypanosomatidae. D. Kh. Khigatjan. *Nauch. dokl. vuz, shkoly; biol. nauki* no. 2 40-42 '65.
- DNA composition of normal and tumorous callus tissues of a wild grapevine. B. F. Vankushin, N. A. Milner. *Nauch. dokl. vuz, shkoly; biol. nauki* no. 2 182-184 '65.



## NUCLEIC ACIDS (Continued)

DNA content in the nucleus of the wheat oospore. V. I. Fudkov, V. M. Inushin. *TSitologiya* 4 no 5:574-577 S-O '62

DNA replication in homologous human chromosomes. A. I. Prokof'eva-Bel'gorskaya, S. I. Slezinger. *Dokl AN SSSR* 162 no 3:681-684 My '65

Determination of the nucleotide composition of nucleic acids. B. F. Vanushin. *Sov. metod v biokhimi* 1:236-250 '61

Effect of cortisone on the nucleic acid and protein content in the liver and heart. N. O. Shabanova. *Ukr. biokhim zhur* 31 no 3:338-351 '62

Effect of noradrenaline on the content of nucleic acids and proteins in the liver and heart of rabbits. N. O. Shabanova. *Ukr. biokhim. zhur* 37 no 1:76-81 '65

Effect of ribonucleic acids isolated from the liver on the transplantability and growth of transplanted tumors. N. I. Aksanova and others. *TSitologiya* 4 no 5:490-498 S-O '62

Electron microscopic study of the transfer of nuclear products into the cytoplasm in spermatocytes of the grain mite. M. A. Monakhov, V. A. Getsova. *Dokl. AN SSSR* 161 no 4:949-951 Ap '65

Formation of an intermediate complex of amylose isomerase with ribonucleic acid and polysaccharide. A. N. Petrova, R. D. Filippova. *Dokl. AN SSSR* 162 no 2:455-457 My '65

Histochemical study of nucleic acids in lymphoid organs in hog cholera. N. I. Arkhipov. *Vop vet virus* 1:285-290 '64

Ion-exchange chromatography of nucleic acids and their components. T. I. Tikhonenko. *Sov. metod v biokhimi* 1:198-222 '64

Isolation of RNA and DNA by Kirby-Georgiev phenol method. V. S. Tongur, N. S. Vladichenskaya. *Sov. metod v biokhimi* 1:222-228 '64

Knottants, I. L., and V. G. Astakhova. [Challenge to a great secret] *Vyzov velikoi taine*. Moskva, Izd-vo "Znanie," 1965. 47 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya Estestvoznamaniya i religii, no. 5)

Light dispersion by the solutions of native, denatured and destructured deoxyribonucleic acid. V. E. Eskin, O. Z. Korotkina. *Biofizika* 10 no 1:26-31 '65

Nature of pyronine-stained granules in a fraction of isolated cell nuclei. R. I. Salganik and others. *TSitologiya* 4 no 5:499-505 S-O '62

Nucleic acid content in the silk glands of mulberry silkworm (*Bombyx mori* L.) varieties differing in their productivity. P. Kuliyev. *Izv AN Turk SSR Ser. biol. nauk* no 1:70-74 '65

RNA fractions of the brain in animals of different ages. T. P. Balin, E. B. Skvyra'ka, M. I. Kovalenko. *Ukr. biokhim. zhur* 37 no 1:33-42 '65

Role of metals in deoxyribonucleic acid. V. I. Ivanov. *Biofizika* 10 no 1:11-16 '65

Serife changes in an organ suffering from prolonged hyperfunction. F. Z. Meerson and others. *Dokl. AN SSSR* 162 no 2:441-444 My '65

Sensitivity of different interphase periods to the injury of RNA synthesis caused by auramycin. I. D. Beliaeva. *Dokl. AN SSSR* 161 no 5:1205-1207 Ap '65

6-methylaminopurine in deoxyribonucleic acid of some micro-organisms. B. F. Vanushin, N. A. Kokurina, A. N. Belozerskii. *Dokl. AN SSSR* 161 no 5:1451-1454 Ap '65

Theory of X-ray scattering at small angles by DNA molecules in a solution. B. A. Fedorov. *Biofizika* 10 no 1:7-10 '65

Use of acridine orange fluorescence for studying the secondary structure of nucleic acids. O. F. Borisova, L. A. Tumerman. *Biofizika* 10 no 1:32-36 '65

## NUCLEIC ACIDS—MOLECULAR ROTATION

Ordered arrangement of the molecules of soluble ribonucleic acid in water solutions. B. K. Vainshtein, L. A. Feigin. *Dokl. AN SSSR* 161 no 5:1444-1447 Ap '65

## NUCLEIC ACIDS—OPTICAL PROPERTIES

Anomalous dispersion of the optic activity of nucleic acids and nucleotides. L. G. Koreneva, G. A. Dvorkin, V. V. Smoliantinov. *Dokl. AN SSSR* 162 no 2:451-454 My '65

## NUCLEONS

Effect of pairing on the penetration of two particles through a centrifugal barrier. V. I. Gol'danskii. *IAd. fiz.* 1 no 4:586-599 Ap '65

Existence of an internucleon potential not maintaining spatial parity. I. U. G. Abov, P. A. Krupchitskii, I. U. A. Oratovskii. *IAd. fiz.* 1 no 3:478-489 Mr '65

Problem of the motion of three nucleons taking tensor forces into account. O. H. Sytenko, V. F. Kharchenko. *Ukr. fiz. zbur* 10 no 5:469-480 My '65

## NUCLEONS—SCATTERING

Excitation of the rotational levels of nuclei in nucleon scattering. S. I. Drozdov. *IAd. fiz.* 1 no 3:407-413 Mr '65

Ground state correlation effects in nuclear reactions. F. A. Zhiboplatov, N. P. Iudin. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 20 no 2:30-34 Mr-Ap '65

## NUCLEOPROTEINS

Reproduction of viral nucleoprotein and the respiration activity in *Lycopodium obscurum*, *L. hirsutum*, *Nicotiana tabacum*, and *N. glutinosa* infected with tobacco mosaic virus. T. D. Verderovskaya, M. I. A. Moldovan, Intek zab kul't rast. Mold. no 1:113-121 '62

## NUCLEOTIDES

Determination of nucleotide sequence in oligonucleotides. S. K. Vasilenko and others. *Dokl. AN SSSR* 162 no 3:694-697 My '65

Determination of the nucleotide composition of nucleic acids. B. F. Vanushin. *Sov. metod v biokhimi* 1:236-250 '61

## NUCLEOTIDES—OPTICAL PROPERTIES

Anomalous dispersion of the optic activity of nucleic acids and nucleotides. L. G. Koreneva, G. A. Dvorkin, V. V. Smoliantinov. *Dokl. AN SSSR* 162 no 2:451-454 My '65

## NUCLEUS (CELLS) see Cell nuclei

## NUMBERS, THEORY OF

Extendability into the left half-plane of the scalar product of Hecke's L-series with characters of magnitude A. I. Vinogradov. *Izv. AN SSSR. Ser. mat.* 29 no 2:485-492 '65

Fluctuations in the distribution of fractional portions. L. F. Postnikov. *Dokl. AN SSSR* 161 no 6:1282-1284 Ap '65

Hömgeneus Algebra. A. I. Kostrikin. *Izv. AN SSSR. Ser. mat.* 29 no 2:471-484 '65

New results in studying the Hilbert-Euler problem and the problem of twin primes. A. A. Bukhshtab. *Dokl. AN SSSR* 162 no 1:735-738 Je '65

Proof of Mahler's conjecture about the measure of a set of S-numbers. V. G. Sprindzhuk. *Izv. AN SSSR. Ser. mat.* 29 no 2:379-436 '65

A recursion relation for numerical functions. A. F. Chuich. *Ukr. mat. zhur* 17 no 2:134-136 '65

Representations of Abelian p-groups over a ring of p-adic integers. V. S. Drobotochenko. *Dop. AN URSR* no 5:557-558 '65

The variance method and binary additive problems of a definite type. B. M. Bredikhin. *Usp. mat. nauk* 20 no 2:80-130 Mr-Ap '65

## NUMERATION

Second alternative for numerating natural waters. N. I. Tolstikhin. *Izv. vuz. ucheb. zav., geol. i. azv.* 7 no 11:124-125 N '64

## NURATAU—RADIOACTIVE SUBSTANCES

Some characteristics of the distribution of radioactive elements in the rocks of the Aktau granitoid massif. R. A. Magdiiev, Z. K. Sabotaeva, M. A. Shaislamova. *Uzb. geol. zhur.* 8 no 4:45-52 '64

## NURSERIES (HORTICULTURE)

Nurseries' specialization in decorative plants. V. L. Mashinskii. *Nov. tekhn. zhil.-kom. khoz.* Blagoustr. gor. 1 no 11: 5-12 '61

## NURSERY SCHOOLS see subdivision under Ivanovo

## NUTRITION

Review of Professor József Szoszi's book "Pathology of protein nutrition." S. I. A. Kaptanskii. *Arkh. pat.* 27 no 2:86-87 '65

Substantiation of the preventive role of summer nutrition. G. A. Arutunov, I. U. F. Udalov. *Voen.-med. zhur.* no 10:52-58 '64

## NUTRITION—CONGRESSES

15th scientific session of the Institute of Nutrition of the Academy of Medical Sciences of the U.S.S.R. S. G. Aptekari, T. A. Braksh, N. V. Orlova. *Vop. pit.* 23 no 5:84-90 S-O '64

## NYLON

Coating machine parts with caprolan. V. A. Belyi and others. *Mashinostroitel'* no 4:28-29 Ap '65

Radiation oxidation of poly-ε-caprolactam. A. I. Brodskii and others. *Vysokom. soed.* 7 no 1:116-122 Ja '65

Wider use of kapron molding in the fishing industry. V. I. Nazarov. *Ryb. khoz.* 41 no 4:41-43 '65

## NYLON—TESTING

Effect of moisture absorption on the hardness of and used for the manufacture of travelers. I. F. Rovnov, M. I. Khudych, *Izv. vuz. ucheb. zav., tekhn. tokat, prom.* no 1:147-151 '65

## NYSTAGMUS

Correlation between asymmetry of vestibular nystagmus and bioelectrical activity of the cerebral cortex. I. A. Skliut, S. E. Ginzburg. *Zhur. nevro. i psikh.* 66 no 5:652-658 '65

## OAK

(see also subdivision under Dnieper Valley; Moldavia)

Growth of oak planted in clusters as related to the nature of agricultural crop covering. A. S. Sviridov. *Shor. nauch. issl. rab. VNIILMI* no 28:70-74 '60

## OATS

Dynamics of nucleic acids and other phosphorus containing compounds in oat leaves. I. A. Podvil'kova. *Agrokhimia* no 4:121-125 Ap '65

## OATS—FERTILIZERS AND MANURES

Effect of the amounts of nitrogen, phosphorus, and potassium on the accumulation of free amino acids in the leaves of forage beans and oats. N. G. Tsanova. *Agrokhimia* no 2:57-64 F '65

Effect of the level of nutrition on the content of amino acids in the proteins of forage beans and oats. N. G. Tsanova. *Agrokhimia* no 1:97-105 Mr '65

## OB' BAY—HYDROGRAPHY

Extending the navigation period in the Ob' and Taz Bays. N. Shilaglin. *Rech. transp.* 24 no 1:44-45 '65

## OB' RIVER—REGULATION

The river engineers of the Ob' in the final year of the seven-year plan. M. Bezdenovnykh. *Rech. transp.* 21 no 3:30-40 '65

## OB' VALLEY—INLAND WATER TRANSPORTATION

Akademiya nauk SSSR, Sibirskoe otdelenie, Sibirskii nauchno-issledovatel'skii institut energiki, [Use of the rivers of the Ob'-Irtysh basin for transportation] *Transportnoe ispol'zovanie rek Ob'-Irtyshskogo bassein, Novosibirsk, Red.-izd. otdel Sibirskogo otdel. nia AN SSSR*, 1965. 99 p.

## OBRUCHEV HILLS, ANTARCTICA—PHYSICAL GEOGRAPHY

A brook under ice. D. S. Inform. blud. Sov. antark. eksp. no 50:57 '64

## OBSESSIONS

Clinical aspects and treatment of schizophrenia patients with the obsessional syndrome. M. B. Danilova. *Vop. klin., patol. i lech. shiz.* no 1:37-40 '64

Social and work adaptation in neurosis of obsessional states. N. M. Asanlian, A. I. Smolin. *Zhur. nevro. i psikh.* 65 no 5:762-705 '65

State of some unconditioned reflexes in patients with neuroses and the obsessional syndrome. N. K. Ilygin. *Zhur. nevro. i psikh.* 65 no 5:711-714 '65

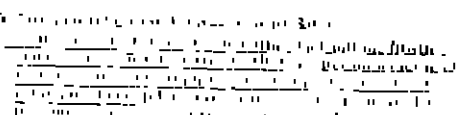
## OBSTETRICS

Medical bibliography in the scientific and practical work of an obstetrician-gynecologist. N. M. Malinkovskii. *Akush. i gin.* 40 no 5:140-145 S-O '64

Rembez, I. N., and V. S. Borman. [Prevention and treatment of obstetric hemorrhages, abstracts of lectures] *Profilaktika i lechenie pri akush. i ginek. krutoche-niakh, konspekty lektsii. Uzhgorod, Gos. univ., 1964. 126 p. (DNLM)*

## OBSTETRICS—EQUIPMENT AND SUPPLY

How are you feeling, baby? E. Muslin. *Eksp. i rats.* no 3:13-15 '65



Sciences of the U.S.S.R. and the 40th Anniversary of the Institute, on the Results of Scientific Studies in the Field of Industrial Hygiene and Occupational Pathology. Materialy; sbornik dokladov. Pod red. K. P. Molokanova i dr. Moskva, Int. i gileyiny truda i professional'nykh zabolevaniy, 1964. 161 p.

[DNLM MICROFILM]

## OCEAN CURRENTS

(see also subdivision under Atlantic Ocean; Doring Sea; Leningrad Bay, Antarctica; Pacific Ocean)

Meridional structure of currents at the equator. V. I. Korlov. *Izv. AN SSSR. Fiz. atm. i okeana* 1 no 2:214-223 F '65

Quasi-geostrophic instability of ocean currents. B. A. Tureev. *Dokl. AN SSSR* 162 no 1:74-77 My '65

Some characteristics of the energy spectrum of oceanic turbulence. R. V. Ozmidov. *Dokl. AN SSSR* 161 no 4:828-831 Ap '65

## OCEAN CURRENTS—MATHEMATICAL MODELS see subdivision under Atlantic Ocean

## OCEAN TEMPERATURE

Method of isolating the components of heat content of the sea, not vertically limited. G. I. Baranov. *Probl. Arkt. i Antarkt.* no 10:30-44 '65

## OCEAN WAVES

Reflection of Sverdrup waves from the ice edge. A. P. Logon'kov. *Izv. AN SSSR. Fiz. atm. i okeana* 1 no 3:327-334 Mr '65

## OCEANOGRAPHIC RESEARCH

(see also subdivision under Caspian Sea)

**Akademika nauk URSSR, Kiev.** [Hydrophysical and hydrochemical studies, an interdepartmental Republic-wide collection] *Gidrofizicheskie i gidrokhimicheskie issledovaniia*; *izv. Gosvedomstvennoi i gospublikanskii spetsial. Kicv, Naukova dumka*, 1965 137 p (Serija "Gidrofizika i gidrokhimika")

Role of research in the physics of the atmosphere and the ocean for weather forecasting. G. I. Marchuk, *Izv. AN SSSR, Fiz. atn i okeana* 1 no. 1:5-7 Ja '65

## OCTADECADIENOIC ACID

Higher class of aliphatic acids. Part 10: Synthesis of cis-, cis-9,12-octadecadienoic (linoleic) acid. A. A. Kisevskii, V. V. Dorogov, N. A. Pribrazhenskii *Zhur. org. khim.* 1 no. 1:44-16 Ja '65

## OCTADECANE

Catalytic conversions of high-molecular weight paraffins. Report No. 2: Isomerization of n-octadecane in the presence of  $W_2$  and  $W_2$ /aluminosilicates industrial catalysts. Kh. I. A. Orlov, A. A. Martynov, V. P. Buiychev, *Izv. AN SSSR, Ser. khim.* no. 5:792-796 '65.

Catalytic conversions of high-molecular weight paraffins. Report No. 3: Effect of benzene addition on the isomerization of n-octadecane in the presence of the industrial catalyst  $W_2$ . Kh. I. A. Orlov, A. A. Martynov, *Izv. AN SSSR, Ser. khim.* no. 5:796-800 '65.

## OCTADECATRIENOIC ACID

Study of the higher acids of the aliphatic series. Part 15: Synthesis of cis-, cis-, cis-9,12,15-octadecatritenoic (hinderic) acid. A. A. Kisevskii, N. A. Pribrazhenskii *Zhur. ob. khim.* 35 no. 4:618-619 Ap '65.

## OCTANE

Thermodynamic calculation of n-octane pyrolysis under pressure. I. U. G. Kambarov, A. T. Kakhramanova, S. D. Mekhtiev, *Azerb. khim. zhur.* no. 3:111-118 '64.

## ODESSA

A heroic and industrious city as a guard of peace and friendship. A. Bagerman, P. Khorolots, *Mor. flot* 25 no. 5:13-14 My '65

## ODESSA—BANKS AND BANKING

The collective is awarded a high title. V. Dodushenko, Z. Surzhko, L. Goncharenko, *Fin. SSSR* 39 no. 5:58-61 My '65.

## ODESSA—CONSTRUCTION EQUIPMENT INDUSTRY—MANAGEMENT

Application of a new planning system. V. Volkov *Mashinostroitel'* no. 4:33-34 Ap '65

## ODESSA—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

The collective is awarded a high title. V. Dodushenko, Z. Surzhko, L. Goncharenko, *Fin. SSSR* 39 no. 5:58-61 My '65.

## ODESSA—FORGING

Mechanizing the area of hammer forging in the forge of the Odessa Crane Plant. M. I. Mednikov, *Stroitel. dor. mash.* 8 no. 1:31-33 Ja '63.

## ODESSA—LEPTOSPIROSIS

Carrier state of leptospirosis in brown rats in Odessa. A. I. Burov, Z. F. Kistakina, *Zhur. mikrobiol., epid. i immun.* 41 no. 10:131-135 '64.

## ODESSA—PSYCHOLOGICAL RESEARCH

Contribution of the Odessa University scientists to the development of psychology. O. I. Huzhenko, D. H. Etkin, *Rad. shk.* 14 no. 5:53-55 My '65.

## ODESSA—RATS AS CARRIERS OF DISEASE

Carrier state of leptospirosis in brown rats in Odessa. A. I. Burov, Z. F. Kistakina, *Zhur. mikrobiol., epid. i immun.* 41 no. 10:131-135 '64.

## ODESSA—SEAWATER—MICROBIOLOGY

Seawater vibrios in the harbor of Odessa. V. N. Shiriaeva, A. K. Kashirova, *Zhur. mikrobiol., epid. i immun.* 41 no. 10:144 '64

## ODESSA—SHIPS—MAINTENANCE AND REPAIR

Potentialities of a fleet. A. Khais, *NTO* 7 no. 4:39-40 Ap '65.

## ODESSA—SOVIETS

From the work experience of the permanent committees of the Odessa city soviet. N. Stepanova, L. Strel'tsov, *Rad. pravo* 28 no. 2:27-29 Mr.-Ap '65.

## ODESSA—TEACHERS, TRAINING OF

Our suggestions. T. N. Balaych, *Rad. shk.* 44 no. 6:60-70 My '65.

## ODESSA PROVINCE—JUSTICE, ADMINISTRATION OF

Representative of the public in the judicial process. I. Vassets'kiy, *Rad. pravo* 28 no. 3:39-42 My-Je '65.

## ODESSA REGION—LEONTICE

Biology of Leontice *odessana* Fisch. in the vicinity of Odessa. T. M. Gol'd Bot. zhur. 50 no. 4:565-567 Ap '65.

## ODOROUS SUBSTANCES

Aromatic substances in butter made on a continuous production line. V. P. Aristova and others, *Izv. vys. ucheb. zav., pishch. tekhn.* no. 2:57-60 '65

Effect of the substrate on the quality of "oak lichen" resins. V. S. Cherkaevskaya, *Maslozhir. prom.* 31 no. 2:24-25 F '65

Odorous substances from alkylphenols. Part 6: Synthesis of odorous substances from octylphenols. L. A. Kheifits, A. S. Podberizina, V. N. Belov, *Zhur. org. khim.* 1 no. 1:89-92 Ja '65.

## OSER (ISLAND)—BOTANY

*Egeli NSV Teaduste Akadeemia, Zoologia ja Botaanika Instituut.* [Study of the vegetation of Saaremaa Island] *Tuulene rassistel'nost' ostrova Saaremaa*, Tartu, 1964. 285 p.

## OFFENSES AGAINST THE PERSON

Qualification of serious bodily injuries causing death. M. Mikhailov, *IU, Muz'ko Sov. just.* 24 no. 6:22-25 Mr '65

## OFFICE EQUIPMENT AND SUPPLIES

(see also subdivision under Kazakhstan, South Kazakhstan Territory)

Modern means for mechanizing the work of engineers and administrators. V. Loskutov, *Sots. trud* 10 no. 2:82-83 '65.

Organization and mechanization of engineering and management work. B. I. A. Gol'denberg, *Vest mashinost.* 45 no. 4:92 Ap '65.

## OFFICE MANAGEMENT

(see also subdivision under Kazakhstan, South Kazakhstan Territory)

Method for the study of accounting-planning information. E. P. Koroleva, *Vop. stat. i ucheta* no. 8:66-73 '62.

## OGANESIAN, LEVON ANDREEVICH, 1885-

Levon Andreevich Oganessian, on his 80th birthday. A. A. Lalaian, R. S. Pansudanian, *Izv. AN Arm. SSR biol. nauki* 18 no. 3:94-96 Mr '65

## OGARKOV, IVAN FEDOROVICH, 1895-

I. F. Ogarkov on his 70th birthday. V. I. Molchanov, *Sud.-med. ekspert.* 8 no. 1:61-62 Ja-Mr '65.

## OIL FIELD BRINES see subdivision under Apsheron Peninsula

## OIL FIELD FLOODING

(see also subdivision under Second Baku; Sarafimovskoye Oil Field, Stavropol Territory; Yarino-Kamenolozhskoye Oil Field)

Flooding gas-cut petroleum with water. N. P. Leshchil, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 3:41-45 '65

Monitoring water injection under remote control of interconnected pumping stations. A. I. Kerbaliev, D. S. Ryas, I. A. Abramovich, *Mash. i nef't, obor.* no. 4:16-17 '65.

## OIL FIELD FLOODING—ELECTROMECHANICAL ANALOGIES

Method for the experimental study of the effect of well spacing on the water flooding of petroleum from a nonuniform bed. V. G. Ogandzhanants, R. T. Aslanov, Sh. Kh. Kurmanov, *Trudy VNI* no. 42:30-42 '65

## OIL FIELDS see subdivision under Siberia

## OIL FIELDS—BUILDINGS AND STRUCTURES see subdivision under Tatar A. S. S. R.; Tyumen' Province

## OIL FIELDS—COMMUNICATION SYSTEMS

Organizing communication channels in 6/64 kv. power-distribution networks on oil fields. L. A. Afonin, P. I. Zoullia, P. I. Manen'kov, *Mash. i nef't, obor.* no. 4:17-19 '65.

## OIL FIELDS—CURRENT SUPPLY

Investigating methods for selecting wire sizes for oil-field networks. A. A. Spirin, I. A. Bashirov, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 4:84 '65.

## OIL FILTERS

Filter for compressor oils. A. A. Zhivushchev, *Khol. tekhn.* 42 no. 2:80 Mr.-Ap '65.

## OIL HYDRAULIC MACHINERY

The PNB-3M loading machine with hydraulic drive. A. F. Arkhangelskiy, *Gor. zhur.* no. 5:41-42 My '65.

## OIL HYDRAULIC MACHINERY—MAINTENANCE AND REPAIR

Zhukov, N. A., and others. [Centralized repair of hydraulic systems; work practices of the Mikhailov Regional Association "Sel'khoztekhnik" of Ryazan Province] *Tsentralizovanniy remont gidrosistem; opyt raboty Mikhailovskogo rayonnogo ob'edineniya "Sel'khoztekhnik"* Ryazanskoi oblasti, Moskva, Bluro tekhn. informatsii, 1964. 14 p. (Peredovoi opyt i predlozhenia, Seriya 1. Remont mashinnotraktorovogo parka)

## OIL HYDRAULIC MACHINERY—VIBRATION

Effect of the "transparency" of a hydraulic torque converter on the intensity of forced torsional vibrations. V. I. Strel'tsov, *Izv. vys. ucheb. zav.; mashinost.* no. 1:139-144 '65.

## OIL INDUSTRIES

(see also subdivision under Kabardino-Balkar A. S. S. R.; Kirovskad)

New developments in the oils and fats industry. S. A. Avakov, *Maslozhir. prom.* 31 no. 2:1-5 F '65

Results of the operations of the oils and fats industry of the R. S. F. S. R. during 1961. F. N. Minevich, T. A. Shmidt, K. I. Shkirmman, *Maslozhir. prom.* 31 no. 4:27-32 Ap '65.

## OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

Settler with continuous action. I. K. Sidorenko, *Maslozhir. prom.* 31 no. 2:38-39 F '65.

Studying the performance of the VS-5 five-roller mills. A. V. Nechaeva, G. D. Malyi, *Maslozhir. prom.* 31 no. 1:38-40 Ja '65.

## OIL INDUSTRIES—MANAGEMENT

Determining the worker number needed for the raw materials section of oil factories. I. A. Kashelina, *Maslozhir. prom.* 31 no. 2:25 F '65

## OIL INDUSTRIES—SAFETY MEASURES

Pay more attention to industrial safety and factory sanitation. V. V. Bukharin, *Maslozhir. prom.* 31 no. 2:39-40 F '65.

## OIL POLLUTION OF RIVERS, HARBORS, ETC. see subdivision under Ventspils (Latvia)

## OIL RECLAMATION

Performance of the shore purification installations of the Ventspils oil terminal. L. Smurov, *Mor. flot* 25 no. 5:20-21 My '65.

## OIL RESERVOIR ENGINEERING

(see also subdivision under Bashkiria, Tuymazy Oil Field, Ural Mountain region; Volga Valley)

Auxiliary functions for calculating drowning and oil field. Z. K. Rabinina, *Trudy VNI* no. 42:262-280 '65.

Deep well investigations conducted with a view to studying the structure of an absorbing bed. V. I. Krylov, G. S. Blinov, N. I. Rylov, *Burenie* no. 3:10-14 '65.

Deformations of fluid-saturated porous media in case of small dynamic loads. V. P. Stepanov, *Trudy VNI* no. 42:153-163 '65

Determination of the temperatures of beds. Sh. F. Mekhtiev and others. *Dokl. AN Azerb. SSR* 21 no. 2:44-47 '65.

Determining certain parameters of porous beds on the basis of the variation of the fluid level in the well produced by variation of atmospheric pressure. V. P. Stepanov, *Trudy VNI* no. 42:244-251 '65

Determining reservoir parameters on the basis of the rate of pressure change. G. A. Mataev, G. A. Garunov, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 3:47-49 '65.

Determining the output of a well in case of elastic drive. B. A. Bogachev, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 3:40, 49 '65

Determining the pressure field in a fragmented nonuniform bed using the method of statistical tests. A. I. Chlup, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 3:73-76 '65.

Distortion of indicator lines taken in the deep wells of a fractured reservoir rock. K. M. Dontsov, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 4:41-44 '65.

Dobrynin, V. M. [Physical properties of oil and gas reservoir rocks in deep wells] *Fizicheskie svoystva nefte-gazovykh kolektorov v glubokikh skvazhinakh*, Moskva, Nedra, 1965. 161 p.

Effect of the lithological composition of oil-reservoir rocks on the oil recovery when flooding oil with a hot agent. A. A. Abbasov, Sh. A. Kasimov, *Dokl. AN Azerb. SSR* 21 no. 1:28-30 '65.

Equations for the movement of the water-oil contact in systems of pattern flooding. N. K. Pravednikov, R. M. Kats, *Trudy VNI* no. 42:222-234 '65.

Establishing the number of wells and core analyses required to determine mean porosity, permeability, and effective height with a given accuracy. E. L. Lehin, *Trudy VNI* no. 42:340-361 '65

Generalizing the basic differential equation in the theory of an elastic regime for a case in which the reservoir and fluid parameters depend on pressure. Sh. A. Gadzhiev, *Izv. vys. ucheb. zav., nef't' i gaz* 8 no. 4:45-48 '65.

Hydrodynamic calculations of certain multiphase fluid flows. S. A. Kundin, I. F. Kuranov, *Trudy VNI* no. 42:43-58 '65

Introduction of surface-active substances into the petroleum production industry of the R. S. F. S. R. P. I. Denisov, *Bul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* 18 no. 2:5-7 F '65.

Movement of the water-oil contact in a double-layer reservoir. A. K. Kurbanov, I. F. Kuranov, *Trudy VNI* no. 42:93-111 '65.

## OIL RESERVOIR ENGINEERING (Continued)

- New two-dimensional problems concerning the shifting of the fluid interface in a nonuniform seepage flow and their exact solution V P Pilatozki Trudy VNI no 42 39-9 '63
- Nonisothermal multiphase flow and the calculation of thermodynamic effects in the development of oil fields F V Tesluk and others Trudy VNI no 47 281-293 '65
- Reflection of sound waves from a surface separating various two-component media V P Stepanov Trudy VNI no 12 161-173 '65
- Self-modelling case of plane-radial nonstationary flow with a nonlinear law of resistance V M Fntov, M G Subirev, Izv. vyz. ucheb. zav., nef't i gaz 8 no. 4 57-63 '65
- Simultaneous inflow of petroleum and bottom water to series (lines) of producing wells S V Safonov Trudy VNI no 43 131-13 '65
- Some problems concerning the present-day status of geology and the development of fractured oil reservoir rocks (digest of foreign literature) A G Kovalev, A A Kocheshkov, V G Postnikov Trudy VNI no 42 362-376 '65
- Taking into consideration the nonuniformity of beds with respect to permeability when planning the development of oil pools F I Semin Trudy VNI no 42 322-339 '65
- Theoretical investigations of the flow of mutually soluble fluids F V Tesluk, G F Trebin, I U, M Ostrovskii Trudy VNI no 42 174-180 '65
- Trebin, F. A., G. V. Shechtalov, and V. P. Iakovlev. [Hydromechanical methods for the study of wells and layers] Gidromekhanicheskie metody issledovaniya skvazhin i plastov Moskva, Nedra, 1965 275 p

## OIL RESERVOIR ENGINEERING—ELECTROMECHANICAL ANALOGIES

- Distribution of pressure waves in rocks saturated with fluid P. P. Zolotarev, V N Nikolaevskii Trudy VNI no 42 112-130 '65
- Electric modelling of the flooding of petroleum with a fringe of liquefied gases taking into consideration the mutual solution of fluids A V Afanas'ev and others Trudy VNI no 42 188-221 '65
- Estimating the oil yield of fractured reservoirs exploited under conditions of solution gas drive (according to the data of experiments on models) A G Kovalev, D Sh Vozirov, A A Kocheshkov Trudy VNI no 42 3-14 '65
- Laboratory investigations of the flooding of unrecovered oil from a flooded reservoir with solvents P I Zahrodin, I A Pruslin, A N Vakulin Trudy VNI no 42 143-152 '65
- Modeling some problems of the pattern flooding of fluids with gases on ohmic-resistance networks L G Kogan, Trudy VNI no 42 181-197 '65
- Some problems concerning the oil yield of fractured porous reservoir rocks in case of flooding D Sh Vozirov, A A Kocheshkov Trudy VNI no 42 15-29 '65

## OIL RESERVOIR ENGINEERING—GRAPHIC METHODS

- Graphic method for determining the reservoir pressure of gas-condensate wells in contact with an oil ring. M. S. Razamat, Izv. vyz. ucheb. zav., nef't i gaz 8 no. 4: 47-51 '65.

## OIL SANDS

- Luminescence of sinter formations A P Lebedev, Peshchery no 4 107-108 '64

## OIL WELL CASING

- Beach testing casing joints for airtightness A V. Tishchenko, Burenie no 2-22-24 '64.
- Field tests of high-strength drill pipes and casing G M Erihi, N A Vartanova, B M Listgarten Burenie no 11,28-29 '64.
- Investigating the oval shape and wall thickness of full-scale casing pipes L Kh Farukshin, A A Gaivoronskii, Trudy VNIIBT no 14 44-48 '65.
- Lowering an 8-inch liner into a 10-inch string. Shikh-Mamedov Nur-Mamed, Burenie no 9:39 '64.
- Lowering casing strings to a predetermined depth under complex geological conditions I A. Serenko, V. A. Rylin, A M Kupriyanov, Burenie no. 4 13-15 '65
- Method for determining the loads on casing pipes. N. V. Kokorin, G S Ruzbashev, Trudy VNIIBT no. 14:49-53 '65.
- Reinforcing deep prospecting wells with liners V I Avilov, G M Edigarov, Burenie no. 1:11-13 '65
- Testing experimental models of elongated casing lines for deep drilling M L Lalants, V G Gantchik, Burenie no. 4:32-33 '64.
- Wear of casing strings M L Kiselevman Burenie no. 1:34-36 '65

## OIL WELL CEMENTING

(see also subdivision under Azerbaijan; Chechen-Ingush A. S. S. R.; Kikak Oil Field, Romashkino Oil Field; Stavropol Territory; Tatar A. S. S. R.; Ural Mountain region; Uzbekistan; Volgograd Province)

- Cementing production strings under conditions of low reservoir pressures S. S. Dzhangirov, A. M. Nor, Burenie no. 5:28-33 '65

- Determining the maximum bottom temperature and well temperatures from the point of view of cementing I A. Karmanov Burenie no 2-18-21 '61
- Determining the quantity and quality of plugging mixtures for excluding circulation-loss zones M V Alekseev, E P Il'iasov, V I Krylov, Burenie no 9-9-12 '64
- Drillable packer with a self-sealing chamber V. I. Krylov, N I Subchenko G S Abdurkhanov, Burenie no 8 10-11 '64
- Effect of additives on the mobility of cement slurry R Sh Rahimkulov, E M Solov'ev, Burenie no 7 23-27 '64
- Effect of fluid overflows in a well on the exclusion of a circulation-loss bed A N Kukun Burenie no 1 18-20 '65
- Efficient cement flow when eliminating sloughing zones in wells A A Rodkin Burenie no 5 5-8 '64
- Eremenko, T. E. [Bracing oil and gas wells] Kreplosno nef'tnykh i gazovykh skvazhin. Moskva, Nedra, 1965. 213 p
- Excluding intensive circulation-loss zones using a hydraulic-mechanical packer V I Krylov and others Burenie no 5 11-12 '65
- Exclusion of a circulation-loss zone using a packer. Z. Shakhmaev and others. Burenie no. 3:29-33 '65.
- Improving the technology of cementing circulation-loss zones I A Kapustin, I I Zinov'ev, Burenie no 2 25-26 '65
- Instrument for measuring the apparent viscosity of cement slurry R. Sh. Rahimkulov, G N Khangil'din, Burenie no. 6 14-17 '64.
- Investigating the plugging properties of cement grouting. A A Gaivoronskii, G P Shul'ga Trudy VNIIBT no 14 77-91 '65
- Lightened fibrous cement muds N A Lutsenko, O I Orazisov Burenie no 9:35-38 '64.
- Lightened fibrous slag-silicate slurry for cementing casing strings in wells with a temperature of 100-150°C. I S Fingonov Burenie no 5 24-26 '65.
- Method for determining the optimal time for waiting on cement when setting bridges I L Borodin, D. F. Matveev, V. E. Shmel'kov, Burenie no 4-15-17 '65
- Method for determining the strength and character of the adhesion of polymers to rocks N I Titkov and others Burenie no 5 16-17 '64
- Method for determining the structural-mechanical properties of cement muds and plugging mixtures M S. Vmarskii, L A Ponedelin, Burenie no. 4:21-25 '64
- Nitroglign as a reducer of the viscosity and water loss of cement slurry E M Solov'ev and others Izv. vyz. ucheb. zav., nef't i gaz 8 no 3-25-28 '65.
- Optimal quantity of calcium chloride in plugging muds I U N Zhenchenko, Burenie no. 5 26-28 '65.
- Preventing the bending and sagging of liners I. P. Pustovoienko, A P Sol'vashchuk Burenie no. 3:8-12 '64.
- Stresses developing in a cement ring A A Gaivoronskii, Trudy VNIIBT no 14 63-78 '65.
- Treating plugging solutions with potassium bichromate and "gipon" for use in high-temperature wells M O Ashrafian, A. I. Bulatov, Burenie no. 4:26-29 '64
- Use of drillable packers to exclude circulation-loss zones and cave-ins V I Krylov, G S Abdurkhanov, N I Sukhenko Burenie no 7 8-10 '64
- Using a correction hydrometer for measuring the density of clay and cement muds V V Shul'gin, Burenie no 9:34-35 '64
- Using lightweight cement grouting and methods for reducing the permeability of the stone from this grouting U D. Mamadzhonov, Z. Pulatov, A K Rakhimov, Burenie no. 2 9-11 '64
- Weighted cement slurry for deep wells P. G. Nazarov, N G Dadashov, S S Dadashova Burenie no. 12:10 '64.

## OIL WELL CEMENTING—EQUIPMENT AND SUPPLIES

Packer for investigating absorption beds and injecting hardening muds into permeable beds G A Stidykov Burenie no 3,12-15 '64.

## OIL WELL COMPLETION

(see also subdivision under Arian Oil Field; Stavropol Territory; Tatar A. S. S. R.; Volga Valley)

- Determining the rate of inflow in reservoir testing K. G. Bagirov Burenie no. 8 20-22 '64
- Method for determining the volume of drilling-mud filtrate absorbed by a bed V A Sidorovskii, Burenie no 4:32-34 '65.
- Selecting filters and determining the loads on them when testing deep wells N. F. Riazantsev, Burenie no. 6 21-24 '64.
- Using formation testers lowered into a well on a cable P. S. Varlamov, Burenie no. 11:16-18 '64.
- Vitseni, E. M. [Cumulative perforators used in oil and gas wells] Kumulativnye perforatory, primeneniye v nef'tnykh i gazovykh skvazhinakh. Moskva, Nedra, 1965. 130 p.

## OIL WELL CEMENTING—EQUIPMENT AND SUPPLIES

Packer for investigating absorption beds and injecting hardening muds into permeable beds G A Stidykov Burenie no 3,12-15 '64.

## OIL WELL COMPLETION

(see also subdivision under Arian Oil Field; Stavropol Territory; Tatar A. S. S. R.; Volga Valley)

- Determining the rate of inflow in reservoir testing K. G. Bagirov Burenie no. 8 20-22 '64
- Method for determining the volume of drilling-mud filtrate absorbed by a bed V A Sidorovskii, Burenie no 4:32-34 '65.
- Selecting filters and determining the loads on them when testing deep wells N. F. Riazantsev, Burenie no. 6 21-24 '64.
- Using formation testers lowered into a well on a cable P. S. Varlamov, Burenie no. 11:16-18 '64.
- Vitseni, E. M. [Cumulative perforators used in oil and gas wells] Kumulativnye perforatory, primeneniye v nef'tnykh i gazovykh skvazhinakh. Moskva, Nedra, 1965. 130 p.

## OIL WELL COMPLETION—EQUIPMENT AND SUPPLIES

Packer for the separate testing of formations, I. S. Romanovich, Burenie no. 3:26-28 '64

## OIL WELL DRILLING

(see also subdivision under Azerbaijan; Bashkiria, Carpathian Mountain region; Caspian Lowland, Chechen-Ingush A. S. S. R., Krasnodar Territory; Kuban; Novo-Elkhovskoye Oil Field; Ozeq-Sunt Oil Field; Perm Province, Romashkino Oil Field; Tatar A. S. S. R., Ural region; Ukraine; United States; Ural Mountain region, Zhetylay Oil Field)

- Appeal of a group of drilling brigade foremen. Neftnik 8 no 5-22 My '63.
- Breakdown of metal objects at the well bottom, I. P. Pustovoienko, S V Katoev Burenie no 5 22-23 '61
- Causes of contractions of the hole and cave-ins in wells being drilled M K Seid-Rza and others, Burenie no. 5 13-16 '65
- Changes in the configuration of a hole due to the contact pressure of a curved and vibrating drilling string bottom N G Avetisyan, V I Grigor'ev, Burenie no 9-12-13 '61
- Cooling of bits in the air drilling of wells M. I. Babkovich, P. N. Matiushev, A P Korneevogov Burenie no 4:3-4 '65
- Determining the economic efficiency of the introduction of machinery for hoisting and lowering operations in deep drilling A. I. Tarasenko Burenie no 11:22-24 '64.
- Determining the hydrodynamic pressure on the well wall during hoisting and lowering operations M. G. Aliev, A. A. Movsumov, Kh I' Zarguly Burenie no 4 10-12 '65.
- Development of oil well drilling technology I. G. Atekhin, Burenie no 1:3-6 '65
- Drilling footage recorder L. P. Kulikovskii and others, Izv. vyz. ucheb. zav., nef't i gaz 8 no. 4:91-94 '65.
- Effect of resistance forces in a well on the dynamic loads in the drilling string when it is hoisted S G Kallinin Burenie no 9:21-22 '64.
- Effect of the configuration of a slant hole on the load on the hook when lifting a tool I U S Vasil'ev and others Trudy VNIIBT no. 14, 98-101 '65.
- Effect of the diameter of a casing string on the specific consumption of metal G M Sarkisov, A. P. Shukinov, I U D Zhidkov Burenie no 12,20-22 '64.
- Effect of the magnetization of a drilling tool on the occurrence of complications M. K. Seid-Rza and others Burenie no 11:12-14 '64.
- Effect of the power supplied to bits of decreased diameter on the indices of their operation T. N. Bikhurin, I. K. Khatulin, F A Kozlov Burenie no. 4:4-10 '65.
- Evaluating the drillability of rocks on the basis of geophysical data L M Diakov, V I Volkov, I U D. Semenov Trudy VNIIBT no. 14:106-112 '65
- Fifty-six hundred meters of footage per rig in a month. A. A. Rodkin, Burenie no. 1:7-10 '64
- Hydraulic expander for increasing the diameter of a well G S Abdurkhanov, V I Krylov, N I Sukhenko, Burenie no. 4:3-5 '64.
- Method for controlling the spontaneous deviation of wells from the vertical V O Belonozov Trudy VNIIBT no. 14 92-97 '65.
- Methods for the technical and economic evaluation of the regimes and methods for mechanical drilling M G Abramson Trudy VNIIBT no. 14 176-181 '65
- Natural gas drilling E M Kurnev, Burenie no. 1:10-13 '64.
- Potentials for increasing the indices of oil and gas well drilling I A. Sorenko, A M Kupriyanov Burenie no. 1:31-33 '65
- Recovery of pipes with welded semi-joints I. P. Pustovoienko, S V. Katkov, Burenie no 4:9-11 '61.
- Relation between the loads on the hook when hoisting and lowering and the loads on the bottom in a well that is slightly crooked I U S Vasil'ev, A G Kallinin, V M Popov Trudy VNIIBT no. 14:102-105 '65.
- Stability of walls in deep wells during drilling M K. Seik-Rza and others, Burenie no. 3:3-6 '64.
- Using a tool assembly with small annular clearances K I Loshkarev and others, Burenie no 5:17-21 '65.
- Using square drill collars to prevent well deviation I N Reznichenko, S S Dzhangirov, I I Bokukh, Burenie no 9:8-9 '64.

## OIL WELL DRILLING—COSTS

- Economic efficiency of two-stage oil-pool drilling A. N. Buchin, V. N. Bucheva, Burenie no 1:20-31 '65
- Method for calculating the cost per meter of footage as a function of the drilling regime parameters M A. Alekseev, Trudy VNIIBT no. 14:102-106 '65.

## OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

(see also subdivision under Bashkiria; Siberia, Western)

- Accelerating the hoisting and lowering operations in oil well drilling by introducing new equipment E. S. Syromiatnikov, Izv. vyz. ucheb. zav., nef't i gaz 8 no. 4: 101-103 '65.
- Aluminum alloy drill pipe M M Novikov, Hazop, truda v prom. 9 no. 4:17-19 Ap '65.
- Device for cutting a groove in the shaft of an MAD-128/8 electric motor A L Orakhov, Mash i nef't, obr., no. 2:31 '65.

## OIL WELL DRILLING—EQUIPMENT AND SUPPLIES (Continued)

Efficiency of the combination of hoisting and lowering machinery in drilling A S Dvorotskii Burenie no 9:18-16 '64.

Investigating the wear resistance of the valve unit of a hydraulic percussion device. V M Slavskii, R M Nurgaliev Trudy VNIIB no 11:165-175 '65

New types of the sealed joints for weighted drill pipes. N D Shecherbluk Trudy VNIIB no 14:51-62 '65

State of the manufacturing and testing of new equipment for drilling oil and gas wells. Itud tekhn., ekon inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform. 18 no. 3:3 Mr '65.

Using turbine whipstocks III A Anonov, IU S Vasil'ev, A G Kalinin. Burenie no 5:21-23 '65

## OIL WELL DRILLING—FINANCE

Specific capital investments in the evaluation of the efficiency of new drilling equipment E S Syromiatnikov. Izv. vys. ucheb. zav., nefi' i gaz 8 no 3:105-108 '65.

## OIL WELL DRILLING—FLUID DYNAMICS

Movement of a viscoplastic fluid through annular space R G Kerimov Izv. vys. ucheb. zav., nefi' i gaz 8 no 3:33-36 '65

## OIL WELL DRILLING, ELECTRIC

Permissible axial load on a bit in electric drilling V G Belikov. Izv. vys. ucheb. zav., nefi' i gaz 8 no 3:21-24 '65.

Some possibilities for increasing the period between inspections of the operation of electric drills. P IA Zeltser, E M Urchak Burenie no 5:9-10 '65

Transforming single-phase voltage into triple-phase in deep-well telemetering units. M E Fridman, D I Vigdorov. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 4:95-100 '65.

## OIL WELL DRILLING FLUIDS

(see also subdivision under Azerbaijan; Bashkiria; Carpathian Mountain region, Caspian Lowland, Kuybyshev Province, Stavropol Territory; Tajikistan; Transcarpathia; Turkmenistan; Uzbekistan; Zhetysay Oil Field)

Adsorption of surfactants by the solid-phase particles of drilling mud. K G Baghiyev, A A Gukasein. Burenie no. 4:28-31 '65.

Aeration of drilling fluid in oil well drilling. A O Mezhumov. Burenie no. 2:10-13 '65.

Calculating the circulation system in drilling using bottom-hole scavenging with aerated fluid. R A Mukminov, M R Mavlyulov. Izv. vys. ucheb. zav., nefi' i gaz 8 no 4:21-28 '65.

Controlling the solid-phase content in drilling muds using an ejector-hydrocyclonic device. S N Iatrov, I N Reznichenko, S S Drzhangov. Burenie no. 2:5-8 '64.

Design and calculation of ejector-hydrocyclone devices for controlling the content and composition of the solid phase of weighting materials for drilling fluids. I M Reznichenko Burenie no. 3:17-22 '64

Effect of calcium muds on the stability of the well bore. A I Pen'kov, M V Lobkarev, V P Shneider. Burenie no. 2:21-24 '65

Effect of the solid and colloidal phases of clay mud on the reduction of the permeability of the bottom zone N M Sykhmushin, V D Tur. Burenie no 1:22-24 '65.

Effect of variable temperatures on the swelling of clay material. V D Gorodnov and others. Burenie no. 8:17-19 '64

Inefficient use of a barite weighting material. M IU Salamov, P G Nazarov, G D Detin. Burenie no. 5:9-12 '64.

Enrichment of clay muds using jet mills. Z A Denjakin and others. Burenie no. 12:15-17 '64.

First test of the use of chromates to increase the heat resistance of clay muds. L M Popkova and others. Burenie no. 4:12-14 '64.

Foam damper on an organosilicic base for clay muds. A I Borezhnoi and others. Burenie no. 3:10-17 '64.

Industrial utilization of reagents on a base of acrylate. U D Mamadzhanov, M K Turapov. Burenie no. 9:29-31 '64.

Permissible content of finely dispersed fractions in barite. E D Shchetkina, I D Fridman. Burenie no. 4:18-20 '64.

Preparation of clay muds in fluid jet mills. Z A Denjakin. Burenie no. 4:31-33 '64.

Preparing and weighting drilling fluids using jet mills. I P Pustovoitenko Burenie no. 12:17-18 '64.

Preparing drilling fluid from dry muds with the simultaneous use of a hydrocyclone and a hydraulic funnel L M Druzhkova. Burenie no. 4:14-16 '64.

Results of an investigation of the operation of the UPR-R-2 unit in the regeneration of a weighting agent from weighted muds. I N Reznichenko, S F Kolenbet, Z S Kovaleva. Burenie no. 5:32-36 '65.

Using nonionogenic surfactant additives to water when drilling in producing strata. E G Ivanova and others. Burenie no 3:23-25 '64.

Using oxidized petrolatum to improve the lubricating qualities of drilling muds. E G Kiater and others. Burenie no. 4:25-28 '65.

Using soap stock as an antifoaming agent. V D Gorodnov, A K Rakhimov, G G Ganiev Burenie no 12:13-15 '64.

Using waste waters to eliminate freezing of the drilling tool A A Aleksandrov Burenie no 9:18 '64

Viscosity meter for determining the structural-mechanical indices of clay muds at high temperature S A Gadzhiev, A M Avancsova Burenie no 5:12-14 '64

## OIL WELL DRILLING FLUIDS—FLUID DYNAMICS

Speed of the movement of a cutter in clay muds V V Atynov Trudy VNIIB no. 11:125-129 '65

## OIL WELL DRILLING FLUIDS—MEASUREMENT

Measuring the specific weight of gas-cut muds N I Deglov, A I Borezhnoi Burenie no 9:23-27 '64.

## OIL WELL DRILLING RIGS

Area of the economically practicable use of 41 and 53 m. derricks. M S Gadzhiev. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 4:104-108 '65.

Using combined metal block platforms on rubble-concrete bases and precast structural units S P Khvorostov Burenie no 11:20-21 '64

## OIL WELL DRILLING RIGS—DESIGN AND CONSTRUCTION

Structural defects of braking devices of drilling draw works P V Kutsyn, R A Tamrazov, G S Gavrilov. Bezop. truda v prom. 9 no 4:19-21 Ap '65

## OIL WELL LOGGING see subdivision under Stavropol Territory; Tatar A. S. S. R.

## OIL WELL LOGGING, ACOUSTICAL

Means for constructing and interpreting time sections. V I Rikhter, I I Znidel'son Neftegaz geol. i geofiz no 1:15-48 '65

## OIL WELL LOGGING, ELECTRIC

Interpreting the Kinnakr-scales curves of trielectrode laterologging N V Mamedov. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 3:14-16 '65

## OIL WELL PUMPS

(see also subdivision under Ural Mountain region)

Automated controlled electric drive for the smooth start-up of a beam-well unit. M IA Fleishman. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 4:88-90 '65.

Dependence of the wear of the packing parts of drill pumps on the sliding speed. V I Rozhchupkin, O I Verzhilin. Mash. i nefi, obor no 2:9-10 '65

Economic efficiency in the increase of the lifetimes of the piston of a drill pump. B A Naimark, A S Nikolich, L S Shvykova. Mash. i nefi, obor. no 2:24-27 '65

Nomogram for determining the delivery and permissible pressure of a piston pump in the ZTA-100 cementing assembly. S V Logvinenko Burenie no. 5:21-22 '64

Operation of pumps in case of deep drilling with diamond bits. E I Osadchik. Burenie no. 4:35-37 '65.

## OIL WELL PUMPS—CURRENT SUPPLY

Transforming single-phase voltage into triple-phase in deep-well telemetering units. M E Fridman, D I Vigdorov. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 4:95-100 '65.

## OIL WELL PUMPS—FLUID DYNAMICS

Investigating the coefficient of the rate of flow through annular orifices. A A Udovenko. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 1:65-66 '65.

Investigating the hydraulic parameters of the valves of piston direct-action steam pumps operating on viscous fluids. M G Saidov, S A Abdurahimov. Izv. vys. ucheb. zav., nefi' i gaz 8 no. 4:73-77 '65.

## OIL WELL SHOOTING

Basia for selecting the magnitude for torpedo charges in oil well shooting with a view to breaking pipes. E A Levin, S A Lovlia, V V Mordasov. Burenie no. 3:34-37 '65.

## OIL WELLS—ACIDIZATION

(see also subdivision under Shirvan Steppe)

Amount of water required for the regulation of acid baths. I P Pustovoitenko. Burenie no. 3:26 '65.

## OIL WELLS—AIR-GAS LIFT see subdivision under Stavropol Territory

## OIL WELLS—DESIGN AND CONSTRUCTION

Basic features of the recent documents on norms for the construction of oil and gas wells. S G Plotel, Trudy VNIIB no. 14:197-207 '65.

## OIL WELLS—EQUIPMENT AND SUPPLIES

Platform for the underground repair of oil wells using the "Bakbata" unit. V A Bryzgin, E P Belov Bezop. truda v prom. 9 no 4:10 Ap '65.

## OIL WELLS—HYDRAULIC FRACTURING

Damping open gushers by means of hydraulic fracturing of impermeable rocks. N P Reshetnikov, E A Guri-novich. Burenie no. 3:27-28 '65.

## OIL WELLS—MAINTENANCE AND REPAIR

Platform for the underground repair of oil wells using the "Bakbata" unit V A Bryzgin, E P Belov Bezop. truda v prom. 9 no. 4:10 Ap '65

## OIL WELLS—TESTING

Obtaining the qualitative inflow curve when working with testers. V A Kolokol'tsev. Burenie no. 3:21-25 '65.

## OILS AND FATS

New method of thymol separation from Ajovd oil I M Tsulin Maslozhir prom. 31 no 4:12 Ml '65

Oils from the plants of the Papaveraceae family. L A Shushanova and others Uzb khim zhur 8 no 3:18-12 '65.

Separation of sterols from the wastes of fat deodorization N I Kozin, M S Kastoynikh, L F Ieshkova Izv. vys. ucheb. zav., pishch tekhn no 1:89-91 '65.

Some regularities in emulsions with a colloidal degree of dispersion S F Kharin, L R Takkang, I V Chaikovskala. Izv. vys. ucheb. zav., pishch tekhn no. 2:70-73 '65

Successive feed of hydrogen in hydrogenation processes. B N Chubandze and others. Maslozhir prom. 31 no 2:26-30 F '65

Work of the oilseed hulling and blowing shops. IU P. Masluk and others Maslozhir prom. 31 no 1:13-16 Ap '65.

## OILS AND FATS—ANALYSIS

Automatic oil sampler IU A Dolzhenko Maslozhir prom. 31 no 3:40-41 Ml '65

Determining the oil content of oil cake. V E Ovcharenko, I B Shenderovich Khim prom. no 2:19-51 Ap-Je '65

Using two solvents for determining oil content by the refractometric method G I Baglai Maslozhir prom. 31 no 3:12-15 Ml '65

## OILS AND FATS—PACKAGING

System for automatic bottling of liquids. A A Zakharchenko Maslozhir prom. 31 no 3:43-45 Mr '65

## OILS AND FATS—TESTING

Single-cylinder carburetor unit for evaluating operating characteristics of motor oils. M A Grigor'ev, A M Pimenov. Avi prom. 31 no 5:10-13 My '65.

## OILS AND FATS, EDIBLE

Nazarov, B A. [Commercial study of milk products and fats] Tovarovedenie molochnykh tovarov i zhirov. Moskva, Ekonomika, 1965. 151 p.

## OILSEEDS

Tanasenko, F S. [Processing of seed raw materials for essential oils] Pererabotka zemnogo efimiasilichnogo syr'ia. [Belgorod] Belgorodskoe knizhnoe izd-vo, 1960. 119 p.

[MICROFILM]

## OILSEEDS—CLEANING

Cleaning of skinless seeds. I M Gorskov. Maslozhir. prom. 31 no 3:41 Mr '65

Oilseed cleaning in an important technological operation in the processing of oil raw materials V P Kichigin Maslozhir. prom. 31 no. 3:8-9 Ml '65.

## OILSEEDS—DRYING

Drying of oilseed with gas V V Malyshev, N K Solop. Khim. prom. no 2:62-63 Ap-Je '65

## ointments

Rheology of ointments. O M Ponomareva, O I Riaposova Farmatsev. zhur. 19 no 1:9-11 '64

## OKA VALLEY—BROMEGRASS

Offspring forming in the seedless bromegrass after mowing N A Solov'eva. Biol. MOIP, Otd. biol. 70 no. 2:82-89 Mr-Apr '65.

## OKA VALLEY—DRAINAGE

Studying the effectiveness of mole drainage in mineral floodlands. A A Maslova. Trudy VNIIGM 44:43-51 '64.

## OKHACHKUYE MOUNTAIN (ABKHAZIA)—GEO-MORPHOLOGY

Geomorphology of the karate forms of the lime massif of Okhachkuye. Sh. IA Kiplani, Z K Tintilev. Trudy Inst. geog. AN Gruz. SSR 14:60-82 '61.

## OKINAWA—MILITARY BASES, AMERICAN

Okinawa, the island of humiliation. G Mekler. Az. i Afr. seg. 8 no. 4:30-31 Ap '65.

## OLBIA (BORYSTHENES)—CLASSICAL ANTIQUITIES

Excavations in the vicinity of the Olbian temenos in 1960-1962. I B Brazhninskii Krat. soob. Inst. arheol. no. 103:104-103 '65.

Work of the Olbian Expedition of the Leningrad Branch of the Institute of Archaeology in 1950-1962. A N Karsney, E I Levi. Krat. soob. Inst. arheol. no. 103:80-93 '65.

## OLD AGE

(see also subdivision under Tien Shan)

Age-related characteristics of adrenaline and noradrenaline oxidation in the heart of white rats under the action of monoamine oxidase. N. S. Verkhvatskii. Vop. geron. i geriat. 4:117-121 '65

Aging of the population and the prevalence of cardiovascular diseases. N. N. Sachuk. Vop. geron. i geriat. 4:5-14 '65

Blood pressure in persons 80 years of age and older, based on materials of a mass medical screening. L. V. Muravov, I. V. Shegoleva, N. V. Derkach. Vop. geron. i geriat. 4:72-80 '65

Changes in cutaneous vessels caused by chemical stimulants in elderly and senile persons under the effect of treatment with generally stimulating substances. A. V. Kolesov and others. Vop. geron. i geriat. 4:94-99 '65

Characteristics of hemodynamics in elderly and senile persons with normal and increased arterial pressure. G. A. Butkevich. Vop. geron. i geriat. 4:202-208 '65

Course of some physiological and biochemical processes in denervated muscles in old animals during various stages of reinnervation. I. I. Parkhotik. Vop. geron. i geriat. 4:230-235 '65

Effect of strophanthin on the heart of old animals. N. I. Strizhova-Salova. Vop. geron. i geriat. 4:141-146 '65

Effect of the character of work on lesions of the cardiovascular system in persons of 80 years of age and older. D. I. Stezhenskaia. Vop. geron. i geriat. 4:166-172 '65

Effectiveness of small doses of reserpine and aminazine in old age. D. K. Migunova. Vop. geron. i geriat. 4:146-153 '65

Examination of the content of lipids in the blood of elderly and senile persons. L. G. Shvidchenko. Vop. geron. i geriat. 4:209-213 '65

Forms of the course of the verbal hallucinosis syndrome in old age psychoses. N. S. Ivanova. Zhur. nev. i psikh. 65 no. 1:584-592 '65

Influence of Baku weather on hemodynamics of practically healthy elderly and senile persons. O. G. Akhmediev. Vop. geron. i geriat. 4:83-86 '65

Paranoic reactions and paranoic development in aged psychopaths. V. A. Semke. Zhur. nev. i psikh. 65 no. 4:553-559 '65

Some changes in the cardiovascular system in elderly persons under conditions of high temperature of the air. L. V. Gavrilin. Vop. geron. i geriat. 4:99-104 '65

Some changes in the function of the myocardium and lungs rising with the aging. R. A. Betel'man, G. V. Butnovich. Vop. geron. i geriat. 4:88-91 '65

Some characteristics of the course and clinical aspects of manic-depressive psychosis in old age. M. L. Rokhlina. Zhur. nev. i psikh. 65 no. 4:567-574 '65

Some data on the effect of nitroglycerin and thermal stimulants on the capillary blood circulation in elderly and senile persons, preliminary report. K. G. Sarkisov. Vop. geron. i geriat. 4:91-94 '65

Some forms of paranoic psychoses at a senile age. L. N. Platinskaya. Zhur. nev. i psikh. 65 no. 4:600-603 '65

Some most frequently encountered pictures of circular depressions in old age. N. G. Shumskii. Zhur. nev. i psikh. 65 no. 4:558-566 '65

State of the cardiovascular system in tuberculosis patients of elderly and senile age. L. I. Zhukovskii, K. B. Korzhagina. Vop. geron. i geriat. 4:240-244 '65

**OLD AGE HOMES** see subdivision under Krasnodar Territory, Moscow, Rostov Province, Ugarovka (Kulga Province)

## OLEFINS

Carbonium ions in the reactions of oxidation of olefins by palladium chloride. I. I. Moiseev, M. N. Vargafik. Izv. AN SSSR, Ser. khim. no. 4:759-760 '65

Chemistry of acetals. Report No. 16: Ways of synthesizing symmetric and asymmetric difunctional polyene compounds. L. A. Ivanovskaya, B. G. Kovalev, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 4:684-688 '65

Complex compounds of alkyltetrahydrophosphinites with aluminum chloride. Part 5: Reaction of the complex compounds of alkyltetrahydrophosphinites and aluminum chloride with allylene oxides and alkylene sulfides. K. V. Karavanov, S. Z. Ivin, V. V. Lyusenko. Zhur. ob. khim. 35 no. 4:737-738 Ap '65

Copolymerization of pentenes with ethylene and propylene. T. I. Mamedov, N. M. Abdurakhmanova, S. I. Sadykhzade. Azerb. khim. zhur. no. 3:98-102 '64

Effect of water vapor on the oxidation of olefins on a copper catalyst. E. N. Popova, I. A. B. Gorokhovatskii. Ukr. khim. zhur. 31 no. 1:45-48 '65

Initiation of hydropolymerization reaction of olefins during their hydrogenation in the presence of a cobalt catalyst at 200°. I. A. T. Elduz, B. K. Nefedov. Izv. AN SSSR, Ser. khim. no. 5:888-893 '65

Investigating the polymerization reactions of certain tertiary olefins in the presence of a cation exchange resin functioning as a catalyst. Akhmed Desuqa, V. I. Ismagulov. Trudy MUKHGP no. 44:39-42 '63

Kocherov, N. P., and T. M. Grishina. [Economic efficiency of the use of polyolefins and polystyrene plastics in the manufacture of machinery] Ekonomicheskaya effektivnost' primeneniia poliolefinov i polistirolnykh plastikov v mashinostroeni. Leningrad, 1965. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seria) Ekonomika, organizatsiia i planirovaniia proizvodstva)

Mechanism underlying the alkylation of phenols by higher olefins in the presence of cation exchange resins. O. N. TSvetkov and others. Dokl. AN SSSR 162 no. 1:833-835 Je '65

Modification of the Ziegler-Natta catalysts in the polymerization of olefins. G. A. Razuvaev and others. Vysokom seed 7 no. 1:39-44 Ja '65

Obtaining higher  $\alpha$ -olefins of normal structure by the catalytic conversion of paraffins. M. A. Kaliko and others. Neftekhimiiia 5 no. 1:24-32 Ja-F '65

Preparation of  $\alpha$ -olefins from trialkylboron. B. M. Mikhailov, V. G. Kiselev, I. U. N. Dubnov. Izv. AN SSSR, Ser. khim. no. 5:898-900 '65

Properties of phosphinic acid anhydrides. Part 3: Reactions of anhydrides of phosphinic acids with olefin oxides. K. A. Petrov, R. A. Baksova, L. V. Khorkhianu. Zhur. ob. khim. 35 no. 4:732-737 Ap '65

Relative reactivity of cyclopentanone, cyclohexanone, and alkylcyclohexanones in the reaction of radical addition to  $\alpha$ -olefins. G. I. Nikishin, G. V. Somov. Izv. AN SSSR, Ser. khim. no. 5:876-882 '65

## OLEFINS-ADSORPTIVE PROPERTIES

Adsorptive properties and reactivity of olefins of various structure in hydrogenation over a silver catalyst. V. M. Belousov, A. V. Gershtingorina. Ukr. khim. zhur. 30 no. 6:566-569 '64

## OLEIC ACID

Reaction of stauveite and accompanying minerals with oleic acid. I. N. Plinskii, V. I. Solov'yukhin, E. A. Shvadei. Dokl. AN SSSR 162 no. 1:879-882 Je '65

## OLEOMARGARINE

Economic efficiency of the introduction of automatic production lines of margarine. P. K. Gerasimov, M. V. D'akonova. Maslozhir prom. 31 no. 4:32-33 Ap '65

X-ray diffraction examination of oils and oil bases of margarine. N. I. Korin and others. Maslozhir prom. 31 no. 3:16-20 Mr '65

## OLEORESINS

Oleoresin yield from ascending streaks. G. G. Romanovskii, A. F. Papyrin. Gidroliz i lesokhim. prom. 18 no. 2:18 '65

Quantitative composition of the tar acids of pine and fir oleoresins. I. I. Bardyshev and others. Gidroliz i lesokhim. prom. 18 no. 2:10-11 '65

## OMENTUM

Role of the greater omentum in protecting the abdominal cavity from infections and toxins. A. A. Zaporozhets. Vest. khir. 94 no. 2:119-125 F '65

## OMISSION, CRIMINAL

Controversial questions of complicity in cases of criminal nonfeasance. G. Timeiko. Sov. iust. 29 no. 6:8-11 Mr '65

## OMSK-HYDROFOIL BOATS-MAINTENANCE AND REPAIR

Repair of the "Raketa" type ships at the Omsk Ship Repairing Yard. N. Plesovskikh. Rech. transp. 24 no. 4:33-34 '65

## OMSK-INDUSTRIAL PLANTS-DESIGN AND CONSTRUCTION

The Omsk Industrial center: from practice in working out a scheme for a single general plan. S. Chaikin. Ekon. stroi. no. 12:11-13 D '64

## ONCOLOGY-ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. nos. 10-11 My-Je '65. Avtorskii ukazatel' za 1964 g.

## ONIONS

(see also subdivision under Crimea)

Comparative karyological study of some onion species of the section Rhiziridium Don. L. I. Vakhtina. Bot. zhur. 50 no. 3:387-394 Mr '65

Variability in the characters of onions under the influence of growing conditions. D. D. Brezhnev, A. A. Kazanova. Dokl. Akad. sei'khoz. nauk no. 3:12-15 Mr '65

## ONIONS-STORAGE

Eremenko, V. D. [Storage and processing of onion and garlic] Khraneniie i pererabotka luka i chesnoka. Moskva, Ekonomika, 1965. 110 p.

## ONIONS-THERAPEUTIC USE

Onion, its physiological activity and its use in clinical treatment. N. S. Kharchenko. Trudy Khar. med. inst. no. 36:293-297 '67

Some data on the effect of onion phytoncides. V. A. Kutsavich. Trudy Khar. med. inst. no. 36:298-303 '67

## ONTOGENY

Characteristics of ontogenetic changes in the resistance of the heart depending on variations in properties of the neural regulation of its activity. I. A. Arshavskii, S. I. Enikeeva. Vop. geron. i geriat. 4:33-40 '65

Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. N. M. Vavilova and others. Nauch. soob. Inst. fiziol. AN SSSR no. 3:25-29 '65

Formation and development of external and some forms of lateral inhibition in early ontogenesis of animals born at an early stage of development. V. O. T. Oshykhin. Fiziol. zhur. [Ukr.] 9 no. 1:13-21 Ja-F '63

Potentials and desynchronization reaction received in response to light stimuli in the ontogeny process in lower monkeys. T. G. Umancheeva, G. M. Cherkovitch. Biol. eksp. biol. i med. 50 no. 4:3-7 Ap '65

Variability of the basic properties of the type of the nervous system in ontogeny. V. A. Tikhonikhin, L. N. Kozlova. Zhur. vyz. nerv. dejat. 15 no. 1:80-104 Ja-F '65

**OPEN-CUT MINING** see Strip mining

## OPEN-HEARTH FURNACES

Increasing the stability of main crowns of open-hearth furnaces. S. S. Sevast'yanov. Biol. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:12-13 F '65

## OPEN-HEARTH FURNACES-DESIGN AND CONSTRUCTION

Analytical determination of temperature fields by the height of the regenerators checkerwork in an open-hearth furnace. N. G. Chuvpkin, V. A. Shcherbakov. Izv. vuz. ucheb. zav. i chern. met. 8 no. 5:173-179 '67

Causes for the premature failure of magnesia chromite brick in open hearth furnace roofs. M. A. Kovshar. Ogneupoy 30 no. 3:28-32 '65

Increasing the resistance of the lining in double steel-tapping spouts of open hearth furnaces. P. N. D'achkov and others. Ogneupoy 30 no. 3:32-35 '65

Manufacturing firebrick from slag and its use in the checkerwork of open-hearth furnace heat regenerators. Zh. A. Vydrina. Ogneupoy 30 no. 5:10-10 '65

## OPEN-HEARTH FURNACES-MAINTENANCE AND REPAIR

Ramming a new open-hearth furnace hearth bottom. V. I. Zhigulin, A. M. Gavrilov, L. M. Katel'. Metallurg 10 no. 3:16-17 Mr '65

## OPEN-HEARTH PROCESS

Medzhilbozhskii, M. A. [Using compressed air in the open-hearth process] Primeneniie stazhato go vozdukh a v maitenovskom proizvodstve. 2. izd., peier. i dop. Moskva, Metallurgiya, 1965. 101 p.

## OPEN-HEARTH PROCESS-TABLES CALCULATIONS, ETC.

Mathematical and statistical balance method of calculating open-hearth furnace charges. O. D. Zorin. Met. i gornorud. prom. no. 2:20-24 Mr-Ap '65

**OPERATIVE SURGERY** see Surgery, Operative

## OPERATIONS RESEARCH

Network planning and prospects for its use in the coal industry. A. P. Sudoplatov, I. V. Orlov, A. M. Platin. Ugol' 40 no. 4:26-30 Ap '65

Using the PERT system for planning the expansion of mining operations in a mine. A. S. Burchakov and others. Ugol' 40 no. 4:30-34 Ap '65

## OPERATORS (MATHEMATICS)

Analytic continuation of the resolvent nucleus of a Schrödinger operator on the spectral parameter and the principle of the limiting amplitude in infinite domains. A. G. Ramm. Dokl. AN Azerb. SSR 21 no. 1:3-7 '65

Asymptotic representation of an operator describing the behavior of an elastic hereditary medium and affecting a power function. E. S. Shnaitskii. Izv. AN SSSR, Mekh. no. 1:120-131 Ja-F '65

Bessel and Hilbert systems in Banach spaces and numeric stability problems. B. E. Veits. Izv. vuz. ucheb. zav. i mat. no. 2:7-23 '65

Commutative algebras of operators in a Hilbert space. M. A. Nahmark. Dokl. AN SSSR 161 no. 4:707-710 Ap '65

Construction of a nonlinear polarization operator (case of a longitudinal field). V. M. Piskovyi, B. D. T'Sekvava. Ukr. fiz. zhur. 10 no. 5:512-510 My '65

Continuity and complete continuity of P. S. Uryson's operators. P. P. Zablutko. Dokl. AN SSSR 161 no. 5:1007-1010 Ap '65

Convergence of positive functionals and operators. M. A. Krasnosel'skii, V. S. Klimov, E. A. Lifshits. Dokl. AN SSSR 162 no. 2:256-261 My '65

Eigenfunctions of an elliptic operator in certain infinite domains. A. M. Il'in. Dokl. AN SSSR 161 no. 4:757-759 Ap '65

Expansion in principal functions of a nonself-adjoint differential operator of the second order on the entire axis. V. O. Blashchuk. Dop. AN URSS no. 4:416-419 '65

Formulation and methods of solution of the general boundary value problem in the theory of operators in the aspect of functional analysis. Cauchy and Dirichlet problems. D. P. Mit'man. Dokl. AN SSSR 161 no. 6:1273-1281 Ap '65

Invariant subspaces of certain perfectly continuous operators. N. K. Nikol'skii. Vest. LGU 26 no. 7:68-77 '65

Rate of convergence of the Ritz method for eigenvalues of differential operators. A. V. Dzhalshariani. Soob. AN Gruz. SSR 28 no. 5:513-519 My '62

## OPERATORS (MATHEMATICS) (Continued)

- Reduction to a cellular-diagonal form of the matrices of operators commutable with a group of symmetry operators. N. K. Morozov, V. P. Morozov. Dokl. AN SSSR 161 no. 1, 817-820 Ap '65.
- Representation of positively defined nuclei through eigenfunctions of different expressions. N. N. Chaus. Ukr. mat. zhur. 17 no. 2 129-134 '65.
- Some extremum problems in the theory of polynomial operators. D. I. Berman. Dokl. AN SSSR 161 no. 5: 999-1002 Ap '65.
- Spectral properties of Schrödinger's operator in domains with infinite boundaries. A. G. Ramm. Mat. sbor. 66 no. 3:321-343 Mr '65.
- Spectral resolution of arbitrary self-adjoint operators in characteristic functionals. R. A. Aleksandrian. Dokl. AN SSSR 162 no. 1:11-11 My '65.
- Spectrum of a linear differential operator of the second order in a Hilbert space of vector functions with values from abstract Hilbert space. Part 2. T. Z. Zaidinov. Izv. vys. ucheb. zav., mat. no. 2:69-76 '65.

## OPHTHALMOSCOPY—EQUIPMENT AND SUPPLIES

- Infrared ophthalmologic device. I. A. M. Varanovskii, V. G. Shiluev. Voen.-med. zhur. no. 6:75 '64.

## OPSONINS AND OPSONIC INDEX

- Role of opsonizing factors in the phagocytosis of Brucella by macrophages. N. I. Braude. Zhur. mikrobiol., epid. i immun. 41 no. 10:71-76 '64.

## OPTIC CHIASM

- Fibers of cortical origin in the composition of chiasm of optic nerves and optic tract in the cat. V. I. U. Himolova, A. S. Iontov. Dokl. AN SSSR 162 no. 1: 219-220 My '65.

## OPTIC NERVE

- Fibers of cortical origin in the composition of chiasm of optic nerves and optic tract in the cat. V. I. U. Himolova, A. S. Iontov. Dokl. AN SSSR 162 no. 1:219-220 My '65.
- Responses of individual neurons of the optical lobe of the brain in a frog to the variation in length of light stimuli. L. I. Mkrtchyan, V. G. Samsonova. Dokl. AN SSSR 161 no. 5:1242-1245 Ap '65.

## OPTIC NERVE—DISEASES

- Therapeutic effect of small doses of antitubercular cytotoxic serum in influenza lesions of the retina and the optic nerve. L. A. Loboduk. Trudy 1-go MMI 32:97-105 '61.

## OPTIC NERVE—SURGERY

- Some data on the conduction paths of the optic analyzer. I. U. V. Briukhov. Bluz. eksp. biol. i med. 59 no. 4:111-113 Ap '65.

## OPTIC THALAMUS

- Electrophysiological manifestation of a conditioned reflex formed in response to a stimulation of thalamic midline nuclei. G. T. Sakhalina, G. Kh. Merzhanova. Zhur. vyz. nerv. sist. 15 no. 1:3-10 Ja-F '65.
- Interrelationship between the cerebral cortex and thalamic transmission nuclei. D. V. Kudzhala, S. P. Narkashvili. Soob. AN Gruz. SSR 37 no. 1:709-716 Mj '65.

## OPTICAL INSTRUMENTS

- Method for the realization of an accurate rectilinearity of displacements up to 500 mm. V. V. Sizov, G. G. Petash, N. S. Tikhomirov. Izv. tekhn. no. 3:15-17 Mr '65.
- Recurrence form of Seidel sums expressing the dependence of aberrations on the position of the pupil of an aspherical objective. A. G. Vlasov, D. M. Krupp. Opt. i spekt. 18 no. 3:501-501 Mr '65.

## OPTICAL INSTRUMENTS—LUBRICATION

- Combined evaluation of lubricants for optical apparatus. R. A. Levonts. Trudy MINKINGP no. 44:251-257 '63.

## OPTICAL INSTRUMENTS—TESTING

- Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Testing optical-mechanical instruments for length and angle measurements; collection of instructions] Poverka optiko-mekhanicheskikh priborov dlia izmereniia dlin i uglov; sbornik instruktsii. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965, 400 p.

## OPTICAL MEASUREMENTS

- Rostov-on-Don. Universitet. [Physicochemical methods for the analysis and control of production] Fiziko-khimicheskie metody analiza i kontrolia proizvodstva. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1961, 295 p.

[MICROFILM]

## OPTICAL PATTERN RECOGNITION

- Asymptotically optimizing procedures in optical pattern recognition. A. E. Basharinov. Radiotekh. i elektron. 10 no. 5:812-816 My '65.
- Eigenbrot, V. M. [Use of electron-beam tubes in multiple-point control] Primenenie elektronno-luchevykh trubok dlia mnogotochechnogo kontrolia. Moskva, Energiya, 1965, 94 p. (Biblioteka po avtomatike, no. 135)

## OPTICS

- Ruslov, M. M. [Nonspherical surfaces in optics] Nesfericheskie poverkhnosti v optike. Moskva, Nedra, 1965, 194 p.

## OPTICS—AUDIO-VISUAL AIDS

- Use of industrial and technical material in the study of optics. I. V. Bernshteyn. Vech. sred. shkola 8 no. 2: 18-50 Mr-Apr '65.

## OPTICS, GEOMETRICAL

- Radiant fluxes and natural vibrations in open resonators. V. I. Bykov. Dokl. AN SSSR 162 no. 1:46-49 My '65.

## OR' VALLEY—SOILS—TRACE ELEMENT CONTENT

- Forms of trace elements in some soils of the Or'-Kumak watershed. I. A. Krym. Pochvovedenie no. 5: 37-47 My '61.

## ORE CARRIERS—MAINTENANCE AND REPAIR see subdivision under Azov, Sea of

## ORE DEPOSITS

- (see also subdivision under Almalyk region, Uzbekistan, Altai Mountains; Asia, Central; Atasu region, Kazakhstan; Dzhezkazgan region, Kazakhstan; Gissar Range, Kamchatka; Karamazar Mountains; Kazakhstan, Kugitangtau, Tuva A. S. S. R.; Udokan Mountains, Chita Province)
- Gorzhovskii, D. I., and V. N. Kozorenko. [Relation of endogenous diagenetic to igneous activity and metamorphism, introduction to the metallogeny of the endogenous processes of ore formation] Sviaz' endogenno rudoobrazovaniia s magmatizmom i metamorfizmom; vvedenie v metallogeniю endogennykh protsessov rudoobrazovaniia. Pod red. V. I. Smirnova. Moskva, Nedra, 1965, 290 p.
- Infiltrated and evaporated concentrations of mineral matter as the climatic genotypes of mineral deposits and their correlation. I. I. Bok. Izv. AN Kazakh SSR. Ser. geol. 22 no. 2:3-16 Mr-Apr '65.
- Natsional'nyi komitet geologov Sovetskogo Soyuza. [Problems of metallogeny] Voprosy metallogeni. Moskva, Nedra, 1965, 287 p. (Mezhdunarodnyi geologicheskii kongress: Doklady sovetskikh geologov. Problema 18) Plants as "ore experts." Priroda 51 no. 4:117-119 Ap '65.
- Subzone of the leaching oxidation zone in copper-molybdenum deposits. V. I. Dedy. Urb. geol. zhur. 9 no. 1: 29-34 '65.

## ORE DEPOSITS—MAPS

- Shatalov, E. T., ed. [Basic principles of the plotting, content, and conditional designations of the metallogenic and forecasting maps of ore regions] Osnovnye printsipy sostavleniia, soed. zhanie i uslovnye oznacheniia metallogenicheskikh i prognoznykh kart rudnykh raionov; osnovnye printsipy metallogenicheskikh issledovani i sostavleniia metallogenicheskikh i prognoznykh kart rudnykh raionov. [By] E. T. Shatalov i dr. Moskva, Nedra, 1964, 193 p.
- [Supplement] Prirozhnie, diagr., maps (in portfolio)

## ORE DRESSING

- (see also subdivision under Kereh Peninsula, Kirovsk; Krivoy Rog Basin; Kursk Magnetic Anomaly, Ural Mountains)
- Choice of the optimum location for an ore dressing plant using the linear programming method. P. T. Tseyonshchikov. Izv. vys. ucheb. zav., gor. zhur. 8 no. 2:70-76 '65.

- Crushing and grinding of stanniferous ores before gravity concentration. E. N. Vishnevskii, V. G. Strel'tsyo. Obog. rud. 9 no. 4:11-17 '64.

- Dressing of leucocratic granites. S. U. Ushupov, A. I. Dzeboev. Stek. i ker. 22 no. 4:6-9 Ap '65.

- Electrostatic separation as a progressive method of ore dressing. A. A. Nikitin, V. S. Dokshin. Obog. rud. 9 no. 4:17-21 '64.

- Preparation of copper concentrates for converter processing. I. I. Kershanskii, O. Kh. Kogarmenov. TSvet. met. 38 no. 4:22-27 Ap '65.

- Production of metallized pellets from thin iron concentrates. I. A. Berman, V. I. Miller. Obog. rud. 9 no. 4:21-26 '64.

## ORE DRESSING—EQUIPMENT AND SUPPLIES

- (see also subdivision under Kereh Peninsula)
- Automatic control of the composition of ore pulp in flow. E. I. A. Ovcharenko. Gor. zhur. no. 4:53-54 Ap '65.
- Effect of the grouping of equipment on the standardization of buildings in ore dressing plants. V. S. Tereshkov. Gor. zhur. no. 4:61-64 Ap '65.
- Generalizing the experience acquired in operating and improving the equipment of nonferrous metal ore dressing plants. A. I. Basov. TSvet. met. 38 no. 4: 81-93 Ap '65.
- Improving the spring system in electric vibrating machines. I. A. Kudukhov, G. I. Malyshev, T. V. Sanakoev. Obog. rud. 9 no. 4:33-36 '64.
- Industrial mastering of drum separators with magnetic systems of barium ferrite. V. P. Nikolaenko, R. V. Ivanova. Met. i gornorud. prom. no. 2:78-80 Mr-Apr '65.

- Means of automation for crushing and flotation departments of ore dressing plants. G. A. Zubkov. Gor. zhur. no. 5:52-55 My '65.

- New ERM-2 electromagnetic separator. V. V. Krutii, Z. P. Armashova, V. A. Gramm. Met. i gornorud. prom. no. 2:65-67 Mr-Apr '65.

- Restoring the filtration properties of a capron cloth. V. I. Valentiev, I. U. L. Gitsai, I. A. Tatarskii. Gor. zhur. no. 3:70-71 Mr '65.

- Testing the OMP Haging machine without piston with iron ore. S. P. Shinkorenko, V. G. Litovka. Met. i gornorud. prom. no. 2:67 Mr-Apr '65.

- Use of flotation jigging in ore dressing. I. N. Plakalin, S. S. Shakhmatov. TSvet. met. 38 no. 1:9-14 Ap '65.

## ORE DRESSING—WATER SUPPLY

- Improving the technological properties of water by the action of a magnetic field. V. I. Krasnii, S. V. Shchukin. bakova. Gor. zhur. no. 5:58-63 My '65.

## ORE HANDLING

- Ore drawing with vibration hauling and loading equipment. V. N. Vlasov, A. G. Trofimovich, R. Kh. Gabitov. Gor. zhur. no. 3:23-26 Mr '65.

## ORE HANDLING—COLD WEATHER CONDITIONS

- Efforts to combat the freezing of ore at the Sokolovka-Sarbay Combine. V. G. Trutnev and others. Gor. zhur. no. 5:74-75 Mj '65.

- Increased capacity garage for thawing out ore. P. V. Titov. Met. i gornorud. prom. no. 2:78-79 Mr-Apr '65.

## OREKHOVO-ZUYEVO (MOSCOW PROVINCE)—WATER, UNDERGROUND

- Sanitary control for the use of underground waters in Orekhovo-Zuyevo. M. I. Shreiber. Nauch. trudy AKKH no. 27:106-113 '64.

## OREKHOVO-ZUYEVO (MOSCOW PROVINCE)—WATER CONSERVATION

- Sanitary control for the use of underground waters in Orekhovo-Zuyevo. M. I. Shreiber. Nauch. trudy AKKH no. 27:106-113 '64.

## OREL—CONSTRUCTION INDUSTRY—ACCOUNTING

- Without accounting and control. H. Shaktov. Ekonom. sbor. no. 12:16-18 D '64.

## OREL PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

- Combining accumulation and consumption on collective farms. V. Safronov. Ekonom. sbor. no. 5:75-79 My '65.

## ORENBURG—TRACTOR INDUSTRY

- Great achievements of a small plant. A. Mandrugina. NTO 7 no. 3:42-44 Mr '65.

## ORENBURG PROVINCE—SEED PRODUCTION—QUALITY CONTROL

- What is the high quality standard of certified seed-producing farms? A. Adelmanova. Zakup. sel'khoz. prod. no. 3:16-17 Mr '65.

## ORENBURG PROVINCE—WALL NEWSPAPERS

- Wall newspapers in a working school camp. I. Dulia. Nar. obz. no. 5:80-81 Mj '65.

## ORES—SAMPLING AND ESTIMATION

- Calculating reserves in stockwork type deposits and problem of losses and the depletion of ore. M. I. Gleizer. Gor. zhur. no. 4:16-17 Ap '65.
- Determining the economic loss resulting from ore depletion. O. D. Karbelashvili. Soob. AN Gruz. SSR 28 no. 5:567-573 My '62.

## ORES, MAGNETIC SEPARATION OF see Magnetic separation of ores

## ORGANIC ACIDS see Acids, Organic

## ORGANIC CHEMISTRY see Chemistry, Organic

## ORGANIC COMPOUNDS

- Method of quantitative determination of nitrogen in organic compounds and tissues. I. E. F. Shamrai, O. K. Khil'ko, I. E. B. Sapozhnikova. Usp. biokhim. zhur. 34 no. 3:443-450 '62.
- Microdetermination of nitrogen in poorly combustible organic compounds. T. A. Mikhailova, N. V. Khromov-Borisev. Zhur. anal. khim. 20 no. 3:359-363 '65.
- Possibility of determining microquantities of organic compounds during their adsorption by using an oscillographic method with stepped polarization voltage. M. R. Vlasov, G. K. Budnikov, I. U. P. Kitaev. Dokl. AN SSSR 162 no. 2:331-334 My '65.
- Studying the synthesis of organic compounds from CO and H<sub>2</sub> using tagged ethyl alcohol. I. B. Krutikov and others. Neftekhimiia 5 no. 1:62-67 Ja-F '65.

## ORGANIC COMPOUNDS—SPECTRA

- Effective excitation energy of molecules of rarefied vapors in various electron absorption bands. V. A. Tolokhov, N. A. Borisevich. Opt. i spekt. 18 no. 3: 388-395 Mr '65.



## ORGANIC MATTER

Bars, E. A., and S. S. Kogan. [Organic matter in the underground waters of oil-bearing provinces, methods of analysis and interpretation.] *Organicheskie veshchestva podzemnykh vod neftegazonnykh oblastei; metodiki analiza i interpretatsii*. Moskva, Nedra, 1965. 90 p.

## ORGANIZATION OF AFRICAN UNITY

The Organization of African Unity and the problem of the Congo. *IU Demant'ev. Az. i Afr. seg.* 8 no. 5:9-10. My '65.

The statute of the Organization of African Unity. *M. Mikhailova. Ryb. Rad. pravo.* 28 no. 2:123-126. Mr-Apr '65.

## ORGANOMETALLIC COMPOUNDS

Organometallic derivatives of ethylene. A. N. Neamelnov, A. E. Borisov, N. V. Novikova. *Izv. AN SSSR Ser. khim.* no. 4:763. '65.

Role of metals in deoxyribonucleic acid. V. I. Ivanov. *Biofizika.* 10 no. 1:11-16. '65.

## ORIBATIDAE

Some observations on the system of the family Liscariidae Sell, 1928 (Oribatei, Acariformes). D. A. Krivoluskiy. *Biul. MOIP Otd. biol.* 70 no. 2:118-120. Mr-Apr '65.

## ORIENTAL PHILOLOGY

Meeting of the Department of Languages and Literature, Academy of Sciences of the U.S.S.R. A. I. Kuz'min. *Izv. AN SSSR Ser. lit. i iaz.* 24 no. 2:172-174. Mr-Apr '65.

## ORIENTAL PHILOSOPHY see Philosophy, Oriental

## ORIENTATION

Kaskneem, Aicks, and Anto Raukas, comps. [Sports orientation.] *Orienteerumissport*. Tallinn, Eesti Raamat, 1965. 157 p. [In Estonian.]

Orienteering reflex and the first conditioned motor response. M. M. Khananashvili. *Zhur. vys. nerv. datat.* 15 no. 2:303-310. Mr-Apr '65.

Physiological analysis of the so-called foresight in chimpanzees. F. P. Mayorov, L. A. Firsov. *Nauch. soob. Inst. fiziol. AN SSSR.* no. 3:112-115. '65.

## ORIL, ISRAEL

A new document on Israel's Orin. V. A. Dolsan. *Izv. AN Arm. SSR Otkheshiv nauki.* no. 3:87-90. '65.

## ORLON

Effect of the cut length of filon fibers on yarn properties. I. I. Kuznetsov, N. I. Tsvetse. *Izv. vyz. ucheb. zav. tekhn. tekhn. prum.* no. 1:20-22. '65.

## ORNAMENTAL PLANTS see Plants, Ornamental

## ORNITHOSIS

(see also subdivision under Kalinin, Kalinin Province)

Current data concerning the world-wide distribution of ornithosis. L. N. Deviatova. *Trudy TSU.* 68:43-48. '64.

Ornithosis of poultry and specific diagnosis. M. E. Antonova. *Vop. vet. virus.* 1:445-448. '64.

Rate of incidence and characteristics of sporadic ornithosis. P. A. Ailov, A. P. Kazantsev. *Sov. med.* 28 no. 5:117-121. My '65.

## ORNITHOSIS—MICROBIOLOGY

Fluorescence microscopy of ornithosis viruses and Q fever rickettsiae in egg culture. T. S. Khanduv. *Vop. vet. virus.* 1:449-452. '64.

## ORNITHOSIS—PREVENTIVE INOCULATION

Aerosol vaccination with tissue culture vaccine against ornithosis. Preliminary report. I. I. Terskikh, A. R. Beklesheva. *Vop. virus.* 10 no. 1:99-100. Ja-F '65.

## ORTHODOX EASTERN CHURCH

(see also subdivision under Argentina; Jerusalem)

News from the diocese of Jerusalem. *Zhur.* no. 5:15.

Shalaev, T. M. [Criticism of the attempts of modern Orthodoxy in the U. S. S. R. to reconcile religion with science] author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences. *Kritika populyok sovremennogo pravoslavia v SSSR primiri' religii i nauku, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filosofskikh nauk.* Moskva, Mysl', 1964. 15 p.

[MICROFILM]

## ORTHODOX EASTERN CHURCH—HYMNS

Troparion for Apostle Luke in its Greek Original. N. D. Uspenskii. *Bog. trudy.* no. 2:77-81. '61.

## ORTHODOX EASTERN CHURCH—LITURGY AND RITUAL

The Eucharist prayers of St. Basil the Great and St. John Chrysostom (in the rite of the Orthodox liturgy). N. D. Uspenskii. *Bog. trudy.* no. 2:63-76. '61.

## ORTHODOX EASTERN CHURCH—RELATIONS

At the receptions of His Holiness Patriarch Aleksei. *Zhur. Mosk. Patr.* no. 5:4. '65.

Brief news. *Zhur. Mosk. Patr.* no. 5:4-5. '65.

Christmas greetings from His Holiness Athenagoras, Patriarch of Constantinople, to His Holiness Patriarch Aleksei. *Zhur. Mosk. Patr.* no. 5:2-3. '65.

Easter greetings from His Holiness Patriarch Aleksei to the heads of Autocephalous Orthodox Churches. *Zhur. Mosk. Patr.* no. 5:1-2. '65.

Easter greetings from His Holiness Patriarch Aleksei to the heads of Christian Churches. *Zhur. Mosk. Patr.* no. 5:2. '65.

## ORTHOGONAL FUNCTIONS see Functions, Orthogonal

## ORTHOGONAL SERIES see Series, Orthogonal

## ORTHOPEDIA

Change in the angle of deviation of the femoral neck following treatment of congenital hip dislocation by the Pacci-Lorenz method. F. K. Ibrimukhamedova, I. I. Mirzoeva. *Ortop., travm. i protez.* 26 no. 1:64-70. Ja '65.

Geriatric problem in traumatology. A. V. Kaplan. *Ortop., travm. i protez.* 26 no. 1:18-24. Ja '65.

Metaphysical fractures of the proximal end of the femur at birth. V. I. Vilenkii. *Ortop., travm. i protez.* 26 no. 1:33-39. Ja '65.

Myofascioidosis in insufficiency of the gluteal muscles following poliomyelitis. V. D. Chalkin, I. B. Ginzburg. *Ortop., travm. i protez.* 26 no. 1:39-44. Ja '65.

Results of treatment in spinal fractures. V. S. Bakakina, K. V. Ruban. *Ortop., travm. i protez.* 26 no. 1:11-18. Ja '65.

Some biological premises for the treatment of fractures. K. Pap. *Ortop., travm. i protez.* 26 no. 1:29-33. Ja '65.

Surgical treatment of ununited fractures and pseudarthroses of the tubular bones. I. A. N. Rodin, I. I. Antonov. *Ortop., travm. i protez.* 26 no. 1:24-20. Ja '65.

## ORTHOPEDIC SHOES see subdivision under Makhachkala

## ORTHOPEDIC TRACTION

Some physiological indications in surgical elongation of the extremities. T. I. Cherkasova. *Ortop., travm. i protez.* 26 no. 1:60-61. Ja '65.

## ORTHOPTERA see subdivision under Kustanay region

## OSCILLATIONS

Calculation of oscillatory modes of certain non-Hamiltonian systems. V. M. Volosov, B. I. Morgunov. *Dokl. AN SSSR.* 161 no. 5:1048-1050. Ap '65.

Comments on V. G. Ebanol'dze's articles. E. S. Sorokin. *Izv. AN SSSR. Mekh.* no. 1:206-208. Ja-F '65.

Detection of weak effects on high-Q oscillatory systems. V. B. Braginskii. *Vest. Mosk. un. Ser. 3: fiz., astron.* 20 no. 2:65-70. Mr-Apr '65.

Forced oscillations of a system with elastically installed damper of combined friction. M. I. Feigin. *Izv. AN SSSR. Mekh.* no. 1:42-49. Ja-F '65.

Interaction between beta and gamma bands in deformed metals. M. G. Urin. *Iad. fiz.* 1 no. 1.

## OSC

Measurement of the frequency of the of highly stable generators [Zrucheskikh kolebaniy vysokostabil'nykh, Izd-vo standartov, 1965.

I. A. V. Stepanuk. [Principles of radar oscillatory systems] radiolokatsii; kolebatel'nye sr. Moskva, Voenizdat, 1965.

## OSC-TUBE

Analysis of a self-oscillator operating at various temperatures. T. G. Shvili. *Soob. AN Gruz. SSR.* 37.

Pulse generators with four-terminal feedback networks. V. V. Gupovin-Rubov. *Izv. vyz. ucheb. zav. radiotekh.* 8 no. 1:10. Ja-F '65.

## OSCILLATORS, TRANSISTOR

Glebovich, G. V. [Generation of sinusoidal and relaxation oscillations in transistor circuits; manual on a course in "Principles of radio engineering."] *Generirovaniye sinusoidal'nykh i relaksatsionnykh kolebaniy v skhemakh na poluprovodnikovyykh triodakh, uchebnoe posobie po kursu "Osnovy radiotekhniki."* Gor'ki, Gor'kovskii politekh. in-t, 1961. 48 p.

[MICROFILM]

Herasymov, S. M. [Transistor generators.] *Tranzistornyye generatory.* Kyiv, Tekhnika, 1965. 146 p.

## OSCILLOGRAPHY

Adaptation of MPO-2 and N-102 oscillographs for the recording of mechanical oscillations in the body. A. Valtierina, M. Dale. *Fiziol. zhur.* 51 no. 1:195-197. Mi '65.

## OSCILLOGRAPHY

Determining the possibility of discriminating particles of different ionization density by the pulse shape in LII (Tl), LII (Na), and CuI (In) crystals. L. V. Grudakina and others. *Opt. i spekt.* 18 no. 3:150-153. Mi '65.

Electro-oscillographic examination of peripheral arteries in myocardial infarct complicated with collapse. I. M. Kakhnovskii. *Sov. med.* 28 no. 1:20-27. Ja '65.

Recording an oxymyogram on the oscillograph as an objective method of determining the blood flow time. V. A. Degtyarev. *Pat. fiziol. i eksp. terap.* 8 no. 2:79-81. Mr-Apr '65.

Temporal piezotoneoscillography. M. A. Vashchenko, I. I. Zharnitskii, E. M. Draer. *Zhur. nevro. i psikh.* 93 no. 5:657-661. '65.

## OSMOSIS

Effect of plasmolysis and deplasmolysis upon the vital structure of the nucleus. Viorel Soran. *TSitologiya.* 4 no. 5:511-518. S-O '65.

Physicochemical foundations of the osmotic reactivity of erythrocytes. P. A. Podrabinsk. *Biofizika.* 10 no. 1:118-123. '65.

## OSSETIA, NORTH—HISTORY

Kazbekov, G. V. [Formation and development of the working class in Northern Ossetia, 1860-1940.] *Formirovaniye i razvitiye rabocheho klassa v Severnoi Osetii, 1860-1940 gg.* Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 136 p. (MI)

## OSSETIA, NORTH—LABOR AND LABORING CLASSES

Kazbekov, G. V. [Formation and development of the working class in Northern Ossetia, 1860-1940.] *Formirovaniye i razvitiye rabocheho klassa v Severnoi Osetii, 1860-1940 gg.* Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 136 p. (MI)

## OSSETIA, SOUTH—TRANSPORTATION

Transportation geography of South Ossetia. T. I. Kverendzhladze. *Trudy Geogr. ob-va Gruz.* 1:531. 71:239-240. '63.

## OSTASHEVO DISTRICT—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Vlasov, N. V., and S. A. Ilyubovskii. [On the near approach to a documentary [sic] Na blizhnkh podstupakh, dokumental'naya povest'.] [Moskva] Mosk. rabochii, 1965. 206 p.

## OSTEOCHONDROSIS

Results of biological stimulation of regenerative processes in osteochondropathia of the upper femoral in children. V. D. Makushin. *Ortop., travm. i protez.* 26 no. 1:79. Ja '65.

## OSTEOMYELITIS

Changes in serum protein fractions in chronic osteomyelitis. I. I. Zakharov. *Vest. khir.* 92 no. 6:108-109. Je '64.

Pathogenesis of mandibular osteomyelitis of gunshot etiology: experimental study. V. I. Luk'ianenko. *Voen.-med. zhur.* no. 1:35-40. '64.

Pathological fractures in children with hematogenous osteomyelitis. V. N. Ismailova. *Vest. khir.* 94 no. 2:93-95. F '65.

Tomographic studies in gunshot osteomyelitis. A. I. Kurbatov. *Vest. khir.* 92 no. 6:62-68. Je '64.

## OSTEOPOROSIS

Late results of operative treatment of a serious form of hyperparathyroid osteodystrophy with calcareous metastases. A. I. Sorokina, G. B. Gordon. *Probl. onkol.* 1 gorm. 11 no. 1:55-60. Ja-F '65.

## OSTER VALLEY (UKRAINE)—COINS, ROMAN

A rare find. V. K. Pukhtyn'skiy. *Ukr. ist. zhur.* 8 no. 6:150. N-D '64.

**OSTRACODA, FOSSIL**  
(see also subdivision under Black Sea)  
Present status of studies and ways for further investigations of the ostracod fossils of the suborder Podocopia M I Mandel'shtam, I U N Andreev Vop mikropaleont no 8 223-230 '64

**OSTRACODA, FOSSIL—CLASSIFICATION**  
Taxonomy of the order Lepidodonta A. P. Abushik Vop mikropaleont no 8 214-222 '64

**OSTROVSKII, NIKOLAI ALEKSEEVICH, 1904-1936**  
On the jubilee of Nikolai Ostrovskii Sh IA, Vladivostok 11 9 no 1 38-49 Ap '65

**OTORHINOLARYNGOLOGY**  
Experience in organizing otorhinolaryngological service to patients under conditions of a military unit G. L. Logvinenko, N. V. Pushnov Voen.-med. zhur no 9 71-72 '63  
Improving the organization of otorhinolaryngologic service to the armed forces of the U.S.S.R. B. S. Krylov, M. F. Korolev, Voen.-med. zhur. no 6:93-94 '64  
Otorhinolaryngological screening of participants in water sports and their supervision V A Levando Voen.-med. zhur. no 7:65-67 '64

**OUTDOOR RECREATION**  
Kaskaseni, Aleks, and Anto Naukas, comps. [Sports orientation] Orientaciumissport. Tallinn, Eesti Raamat, 1965, 157 p. [in Estonian]

**OUTPUT STANDARDS** see Production standards

**OVARIES**  
Autogenous development of the ovaries in bloodsucking mosquitoes E. B. Vinogradova Zool. zhur. 44 no 2 210-219 '65  
Changes in the sex cycle and the dynamics of radioactive phosphorus ( $P^{32}$ ) concentration in the ovaries following repeated entering of small quantities of the isotope into the body, experimental research L. A. Dobiavovskii, Akush. i gln. 40 no 5 153-154 S-O '61  
Effect of stimulation of the brain on functional interrelations between the ovaries and the hypophysis L. S. Plakhotina Fiziol. zhur. [Ukr.] 9 no 1:125-126 Ja-F '63  
Polysaccharides in mammalian ovaries under normal conditions and in acute radiation sickness V. I. Karmysheva, TSitologiya 4 no 5:565-570 S-O '62  
Relation between the thyroid gland and the ovaries: A review of literature. S. A. Apetov Akush. i gln. 40 no 5 98-104 S-O '64  
Study of the generative function and structural changes in rabbit ovaries in experimental toxoplasmosis Z A Bibichashvili, Akush. i gln. 40 no 5 122-125 S-O '64

**OVARIES—DISEASES**  
Case of an extensive lesion of the small intestine in lymphogranulomatosis simulating ovarian cyst A. V. Iifshinchenko, T. P. Pikus, Khirurgiya 41 no 4:132-133 Ap '65

**OVARIES—TUMORS**  
Removal of arrhenoblastoma -- a virilizing tumor of the ovary. M. G. Trakhtenberg Vest. khir. 92 no 6:115-116 Je '64

**Ovens**  
Characteristics of the thermal conditions of the Kh-20 oven, O. T. Lisovenko, O. A. Rudenko-Hytsink Khar. prom. no 2:23-26 Ap-Je '65

**OVERVOLTAGE**  
Hydrogen overvoltage on aluminum and the inclusion of an alkaline metal. A. I. Zak, B. N. Kabanov, Elektrokhimiya 1 no 1:68-71 Ja '65

**OWLET MOTHS** see subdivision under Kazakhstan

**OXADICYCLOHEPTENE**  
Stereochemistry of the nitrosodichlorination of 2,3-dicarbomethoxy-7-oxadicyclo-(2,2,1)-5-heptene. N. S. Zeffirov and others. Zhur. ob. khim. 35 no 4:752-753 Ap '65

**OXADIAZOLE**  
Synthesis of linear poly-1,3,4-oxadiazoles. V. V. Korshak, E. S. Krugauz, A. L. Rusanov. Izv. AN SSSR. Ser. khim. no 4:728-729 '65

**OXADIAZOLE—PHOTOELECTRIC PROPERTIES**  
Photoluminescence and scintillation properties of certain 1,3,4-oxadiazole derivatives, L. L. Nagornina and others. Opt. i spekt. 18 no 3:403-406 Mr '65

**OXALIC ACID**  
Phosphorylated derivatives of oxalic acid amides. L. I. Samarin, G. I. Derkach, Zhur. ob. khim. 35 no 4:755 Ap '65

**OXAMIC ACID**  
Amides and hydrazides of oxalic acid. Part 8: Synthesis in the hydroxide series of N-substituted oxamic acids. P. A. Potkin, V. P. Razuvaeva Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no 6:941-944 '64

**OXAZOLIDINONE—THERAPEUTIC USE**  
Purazonal treatment of trichomoniasis in women. A. P. Kolesov Sov. med. 28 no 1 120-121 Ja '65

**OXAZOLINONE**  
Derivatives of 4(5)-oxazolone and 4(5)-thiazolone. Part 2: Reaction of derivatives of haloacetic acids with some derivatives of mono- and diacids S. M. Khripak, I. V. Smolanka, V. I. Stantina. Ukr. khim. zhur. 30 no 6:618-619 '64

**OXIDATION**  
Catalytic oxidation and oxidative ammonolysis of propylene on bismuth tungstate. Neftekhimiya 5 no 1 111-117 Ja-F '65  
Dual role of oxygen in rolling friction. B. I. Kostetskii, G. N. Mamin Dokl. AN SSSR 162 no 1 803-805 Je '65  
Effect of hardened surface of homogeneous and heterogeneous oxidative processes. P. M. Stadnik, Ukr. khim. zhur. 31 no 1:3-11 '65  
Effect of water vapor on the oxidation of olefins on a copper catalyst. E. N. Popova, I. A. B. Gorokhovatskii, Ukr. khim. zhur. 31 no 1:45-48 '65  
Electric contactors made of Ag-CdO and prepared by the method of internal oxidation Stanislaw Stolarz Poroshki met. 5 no 1 94-105 Mr '65  
Electron paramagnetic resonance study of the oxidation of the methyl ether of o-amino-p-tert-butylphenol F. N. Mazkova, I. M. Ryzhmanov. Dokl. AN SSSR 161 no 6:1346-1348 Ap '65  
Inhibiting effect of resin products in the liquid-phase oxidation of n-butane. G. E. Zaikov, E. A. Blumberg, N. M. Emanuel' Neftekhimiya 5 no 1 53-57 Ja-F '65  
Mechanism of high-temperature methane oxidation in shock waves. V. V. Vovodskii, R. I. Soloukhin, Dokl. AN SSSR 161 no 5:1118-1120 Ap '65  
Mechanism of the catalytic reactions in the partial oxidation and oxidative ammonolysis of propylene in the presence of  $MoO_3 \cdot H_2O$ . 1. Gel'bahtin and others Neftekhimiya 5 no 1:117-123 Ja-F '65  
Oxidation of  $\Delta^3$ -carene by mercury acetate. Z. G. Isayeva and others. Izv. AN SSSR. Ser. khim. no 3:466-475 '65  
Oxidation of  $\Delta^3$ -carene by selenous acid. Z. G. Isayeva, B. A. Arbuzov, V. V. Ratner. Izv. AN SSSR. Ser. khim. no 3:475-485 '65  
Oxidation of paraffin in the presence of complex accelerators for the production of fatty acids. Report No. 1 and No. 2. B. N. Tituninikov, Z. M. Nikishina, A. A. Porchenko. Izv. vys. ucheb. zav., fizich. tekhn. no 1 28-33 '65  
Structure of (-) alcohol from the reaction of  $\Delta^3$ -carene oxidation in the presence of chromic anhydride. B. A. Arbuzov, Z. G. Isayeva, M. G. Chibaldullin Izv. AN SSSR. Ser. khim. no 4:678-681 '65  
Study of the oxidation kinetics of hydroquinone with hydrogen peroxide in the presence of copper and pyridine ions. P. M. Stetsko, V. I. Petrushev, Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no 6:620-623 '64  
Studying the process of titanium slag oxidation. N. A. Vasilutskii, E. E. Movsesov. Izv. AN SSSR. Met. no 1:82-87 Ja-F '65  
Synthesis of naphthenic acids by direct oxidation of naphthenic hydrocarbons. B. K. Zainalov, A. A. Akhundov. Azerb. khim. zhur. no 3:17-20 '64

**OXIDATION, ELECTROLYTIC**  
Effect of the nature of foreign cations on the anodic oxidation of trivalent chromium D. P. Zosimovich, S. P. Antonov, V. G. Stepanenko. Ukr. khim. zhur. 31 no 4 420-421 '65

**OXIDATION, PHYSIOLOGICAL**  
Effect of halophenoxycarboxylic acids on the oxidative phosphorylation of plants. D. I. Chkanikov, A. M. Makeev, N. N. Pavlova. Khim. i sel. khoz. 3 no 3:18-22 Mr '65  
Effect of the products of adrenaline oxidation (dehydroadrenaline and adrenochrome) on adrenaline metabolism in the organism. F. A. Kaliman. Trudy Khar. med. inst. no 36:151-155 '67  
Hematologic indices, renal oxygen of the urine, and gas and energy metabolism in unanesthetized, pregnant, and lactating sheep. N. D. Mosolov Trudy mol. uch. UASHN no 9:50-54 '63  
Inclusion of a hormone (adrenaline) and the intermediate products of its metabolism in oxidation-reduction processes. A. M. Uteviski. Trudy Khar. med. inst. no 36:139-144 '67  
Oxidation and stabilization of adrenaline in the blood of animals with experimental models of hypertension and atherosclerosis. M. I. Gaisinskaya. Trudy Khar. med. inst. no 36:145-149 '67

**OXIDATION-REDUCTION REACTION**  
Determining the oxidation-reduction potential of dysenteric bacilli. L. D. Kaluzhina. Trudy Khar. med. inst. no 36:233-237 '67  
Dynamics of the changes in the oxidation-reduction potential (Rlg) and morphology of Clostridium perfringens culture in the process of toxin formation on semisynthetic nutrient medium. V. S. Samsonova and others Zhur. mikrobiol., epid. i immun. 42 no 4:137-141 Ap '65

Oxidation-reduction transformation of thiamine A. N. Razumovich. Ukr. biokhim. zhur. 37 no 1 105-109 '65

Tetramerization of ethylene by carbon tetrachloride in the presence of redox systems I. F. Lavin'ev, F. K. Velichko, I. U. Chirzhov Izv. AN SSSR. Ser. khim. no 4:632-635 '65

**OXIDES**  
Evaluation of the acid-base properties of oxides. B. I. Markhasov Dokl. AN SSSR 162 no 1 667-670 My '65  
Reduction of  $\alpha$ -oxides by diisobutylaluminum hydride and the mechanism of action on  $\alpha$ -oxides of simple aluminum hydrides. L. I. Zakharin, I. M. Khorlina. Izv. AN SSSR. Ser. khim. no 5:662-670 '65

**OXIMES**  
Oximes of 2-cyclohexen-1-one. O. D. Strizhakov, E. N. Zil'berman, S. V. Svetozarskii, Zhur. ob. khim. 35 no 1 620-632 Ap '65

**OXO PROCESS**  
Formation of a hydroformylation catalyst from cobalt salts V. I. Gankin, A. I. Rozovskii, D. M. Rudkovskii Neftekhimiya 5 no 1 58-61 Ja-F '65

**OXYGEN**  
Determination of dissolved oxygen concentration by the method of polarography with fixed solid electrode in a submerged culture of microorganisms. I. S. Korshunov. Prikl. biokhim. i mikrobiol. 1 no 1:114-118 Ja-F '65  
Determining microamounts of oxygen in zinc selenide. I. A. Mitronov [Trudy] GIPKII no 5 122-126 '64  
Heats of oxygen chemisorption on silver and their variation in response to sulfur introduced at the surface. V. E. Ostrovskii, N. V. Kul'kova. Dokl. AN SSSR 161 no 6:1376-1377 Ap '65  
Mechanism and rate constant of the reaction between oxygen atoms and acetylene. L. I. Avramenko, R. V. Kolesnikova, G. I. Savinova. Izv. AN SSSR. Ser. khim. no 3:408-412 '65  
Variation in work function of electrodes in the adsorption of oxygen on a silver catalyst L. A. Rudnikskii, N. V. Kul'kova. Dokl. AN SSSR 162 no 3:617-620 My '65

**OXYGEN—DENSITY**  
Partial density of oxygen in its compounds. A. S. Berzhnoi. Dop. AN URSR no 4:478-481 '65

**OXYGEN—INDUSTRIAL APPLICATIONS**  
Conference on the theory and practice of oxygen-blown converter processes O. I. Leyko-tup, V. I. Semikh Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no 5:210-212 '65  
Measuring the temperature of liquid cast iron in the ladle during the blow with oxygen. K. G. Karimov. Met. i gornorud. prom. no 2:76-78 Mr-Ap '65

**OXYGEN—PHYSIOLOGICAL EFFECT**  
Changes in human peripheral blood during inhalation of oxygen under high pressure. A. I. Shevchenko Voen.-med. zhur. no 11:55-56 '64  
One of the mechanisms of adaptation of isolated mammalian cells to temperature. E. D. Skol'nik. TSitologiya 4 no 5:562-565 S-O '62

**OXYGEN—THERAPEUTIC USE**  
Treatment of obliterative endarteritis and atherosclerosis of the vessels of the lower extremities by subcutaneous injection of oxygen A. A. Epova Voen.-med. zhur. no 6:70-71 '64

**OXYGEN—TOXICOLOGY**  
Protective role of oxytetracycline and streptomycin in increased oxygen pressure. A. M. Dumava, A. G. Zharonkin. Pat. fiziol. i eksp. terap. 9 no 2:23-26 Mr-Ap '65

**OXYGEN COMPOUNDS**  
Partial density of oxygen in its compounds. A. S. Berzhnoi. Dop. AN URSR no 4:478-481 '65  
Removal of oxygen-containing impurities from compounds of the  $AVI$  types. N. I. Krainukov. Izv. AN SSSR. Neorg. mat. 1 no 1:77-79 Ja '65

**OXYGEN ISOTOPES**  
Relation between pain catalyzed reactions of transposition and isotopic oxygen exchange. L. V. Kozlov, E. M. Glodman, V. N. Orekhovich. Dokl. AN SSSR 161 no 6:1455-1457 Ap '65

**OXYGEN THERAPY**  
Use of an apparatus for continuous local anesthesia for the purpose of subcutaneous oxygen therapy. L. S. Tukhin. Voen.-med. zhur. no 7:83 '64

**OXYGEN WELDING AND CUTTING** see Gas welding and cutting

**OXYTETRACYCLINE—THERAPEUTIC USE**  
Protective role of oxytetracycline and streptomycin in increased oxygen pressure. A. M. Dumava, A. G. Zharonkin. Pat. fiziol. i eksp. terap. 9 no 2:23-26 Mr-Ap '65

#### OXYTOCINS—THERAPEUTIC USE

Intravenous administration of oxytocin for the induction and stimulation of labor T N Moroz Akush. g. 40 no 5:41-46 S-O '64

#### OXYTROPIS

Genesis of the genus *Oxytropis* DC. I. T. Vasil'chenko. Bot. zhur. 50 no 3:313-323 Mr '65.

#### OYSTERS see subdivision under Black Sea

#### OZEK-SUAT OIL FIELD—OIL WELL DRILLING

Taking samples from wells using testers in the process of drilling A I Perchuk, V I Musich Burenie no 1: 25-28 '65

#### OZHEGOV, SERGEI IVANOVICH, 1900-1964

Sergei Ivanovich Ozhegov: an obituary. A. A. Reformatskii Izv. AN SSSR Ser. lit i laz 24 no 2:186-188 Mr-Apr '65

#### OZOCERITE

Adsorption method for obtaining coresins from ozocerites B. D. Kiselev Trudy MINKHGP no 44:227-233 '63

#### OZONE

Calculating the effect of a closed air circulation on the equilibrium distribution of ozone in the terrestrial atmosphere V I Bekarikov Geomag. i aer. 5 no 3: 465-470 My-Je '65

Modern methods of ozonometry. A. S. Britaev. Trudy T'SAO no. 60:4-26 '64.

Some results of numerical analysis of the vertical distribution of ozone V M Berezin, I. U. A. Shafrin Meteor. i gidrol. no. 6:23-29 Je '65

#### PACIFIC AREA—GAS, NATURAL—GEOLOGY

Problems of tectonics and oil and gas potentials in the Pacific tectonic Cenozoic belt I U M Pushcharovskii Geotektonika no 1:74-82 Ja-F '65

#### PACIFIC AREA—IONOSPHERE

Use of signals from artificial satellites in studying inhomogeneities of ionospheric electron condensation in the Pacific area I U S Korobkov, V V Pisareva Geomag. i aer. 5 no 3:423-428 My-Je '65.

#### PACIFIC AREA—PETROLEUM GEOLOGY

Problems of tectonics and oil and gas potentials in the Pacific tectonic Cenozoic belt I U M Pushcharovskii Geotektonika no 1:74-82 Ja-F '65

#### PACIFIC OCEAN—OCEAN CURRENTS

Water exchange between the Bering Sea and the Pacific. A. M. Batalin. Trudy VNIRO 49:7-16 '64

#### PACIFIC OCEAN—SEBASTODES

Intraspecific variation of the Pacific Ocean perch (*Sebastes alutus* Gillert) V V Barsukov. Trudy VNIRO 49:231-252 '64.

#### PACIFIC OCEAN—WATER—COMPOSITION

Brief chemical characteristics of waters in the north-western part of the Pacific Ocean R L Davidovich Trudy VNIRO 49:83-88 '64

#### PACKAGING MACHINERY

Device for automatic stopping of the A-4 cigarette packaging machine. M. P. Grushkin Khar. prom. no 2:61-62 Ap-Je '65

#### PACKED TOWERS

Effect of the operation of a preliminary evaporator on the sampling of bright petroleum products. F. M. Ragninov, E. P. Avanesova. Neftepr. i neftekhim. no. 4:3-4 '65.

Inspection of a carbon disulfide column V. A. Zotov, E. L. Volkov Koks i khim. no 4:39-40 '65

Use of a mixing nozzle for the separation of unpolymerized butadiene from butadiene-styrene latex. A G Liakunovich, V I Ponomarenko Kauch. i rez. 24 no. 4:43-44 Ap '65.

#### PACKING (MECHANICAL ENGINEERING)

Dependence of the wear of the packing parts of drill pumps on the sliding speed. V. I. Roshechupkin, O. I. Verzhilin Mash. i neftebor. no 2:9-10 '65.

Investigating fluid leakage in external contact stuffing boxes L I Mamont and others Izv. vuz. ucheb. zav. i neftepr. i gaz. no. 3:91-94 '65

Volumetric, mechanical, and sealing properties of lithium packing grease. I. G. Fuks and others. Neftepr. i neftekhim. no. 4:22-25 '65.

#### PACKING HOUSES

Mechanization of hauling operations in meat and fat processing shops. S. V. Balashashkin, Z M Kiper. Khar. prom. no 2:20-21 Ap-Je '65.

#### PAIN

Clinical significance of the measurement of the sense of skin pain in patients with residual phenomena of thrombosis of the brain vessels. A. M. Mamedov. Dokl. AN Azerb. SSR 21 no 2:59-62 '65.

Kassil', G. N. (Pain and anesthesia) Bol' i obezboivanie. 2 izd., ispr. i dop. Moskva, Nauka, 1965. 316 p. (Nauchno-populiarnaya seriya) (DNLM)

#### PAINTING, INDUSTRIAL

Standard machines, mechanized tools, and apparatus for painting operations for the period 1950-1965 Stroitel. mash. 8 no. 1:29-31 Ja '63

#### PAIR PRODUCTION

Effect of pairing on the penetration of two particles through a centrifugal barrier V. I. Gol'danskii IAD fiz. 1 no 4:586-589 Ap '65

Electromagnetic adron production and unitary symmetry M P. Rekalov. IAD. fiz. 1 no. 3:511-523 Mr '65.

Influence of the spin effect on the annihilation and production of electron-positron pairs due to weak interaction A. A. Sobolov, I. U. F. Ivanov, D V. Gal'itsov IAD fiz. 1 no. 3:507-510 Mr '65.

#### PAKISTAN—COMMERCE—RUSSIA

On Soviet-Pakistan trade relations. Vnesh. toig. 45 no. 5:14 '65

#### PAKISTAN—ISMAILITES

Organizations of the Ismailite bourgeoisie in Pakistan. S. F. Levin Krat. soob. Inst. nar. Az. no. 71:72-87 '64

#### PAKISTAN—POLITICS AND GOVERNMENT

Some aspects of the ideology and policy of Jama'at-i Islami in Pakistan. M. T. Stepanians. Krat. soob. Inst. nar. Az. no. 71:56-71 '64.

#### PALEOBOTANY see subdivision under Valdai Hills

#### PALEOBOTANY, STRATIGRAPHIC see subdivision under Amur Valley; Transylvania; Ukraine

#### PALEOCLIMATOLOGY

Quantitative indices of paleoclimates on the U. S. S. R. territory in various geological periods A A Borisov Izv. Vses. geog. ob-va 97 no. 2:155-159 Mr-Apr '65

#### PALEOGEOGRAPHY

(see also subdivision under Fergana Province)  
Founder of historical geography. V. N. Sukachev, O. I. Leont'ev, S. S. Voskresenski. Priroda 54 no 5: 119-121 My '65  
Space and time in geography. K. K. Markov. Priroda 54 no 5:56-61 My '65.

#### PALEOMAGNETISM

(see also subdivision under Lithuania)

Length of T and I variation periods according to paleomagnetic studies V P Orlov Geomag. i aer. 5 no. 3:590-591 My-Je '65

#### PALEONTOLOGY, STRATIGRAPHIC see subdivision under Caucasus, Northern, Kyzyl Kum

#### PALERMO, ITALY—DESCRIPTION

The shola in Palermo. I. U. Lisovskii Nov. vrem. 22 no. 2:27-29 My '65.

#### PALLADIUM CHLORIDES

Carbonium ions in the reactions of oxidation of olefins by palladium chloride. I. I. Moiseev, M. N. Vargaflik. Izv. AN SSSR Ser. khim. no. 4:750-760 '65.

#### PALLADIUM COMPOUNDS

Extraction of thiocyanate and halide complexes of palladium and its use for separating palladium from silver. A M Golub, G B. Pomerants, Ukr. khim. zhur. 31 no. 1:104-112 '65

#### PALLADIUM-TITANIUM ALLOYS see Titanium-palladium alloys

#### PALLASOVKA DISTRICT—IRRIGATION

They are developing snow water irrigation. F. Barinayev. Part. zhizni' no 11:24-26 Je '65.

#### PAIVANTASH OIL FIELD—PETROLEUM PRODUCTION

Analysis of the level exploitation of layers 5 and 6 in the western Paivantash oil field F. T. Adiyov. Uzb. geol. zhur. 8 no 1:84-89 '65

#### PALYGORSKITE

Diluting effect of a tannin reagent on aqueous dispersions of palygorskite. V. I. U. Tretinnik, F. D. Ovcharenko, N. N. Kruglitskii, Ukr. khim. zhur. 31 no. 1:53-55 '65.

Structure formation in mineralized dispersions of palygorskite clays. F. D. Ovcharenko, V. I. U. Tretinnik, N. N. Kruglitskii Ukr. khim. zhur. 30 no. 6:594-595 '64.

Thermal dehydration of palygorskite studied by infrared spectroscopy. I. U. T. Tarasovich, F. D. Ovcharenko. Dokl. AN SSSR 161 no. 5:1138-1141 Ap '65.

#### PALYNOLGY

(see also subdivision under Badkhyz, Mount)  
More about "palynology." A. N. Sladkov. Nauch. dokl. vyz. shkoly; biol. nauki no. 2:95-100 '65.

#### PAMIRS—EARTHQUAKES

Attenuation of the transverse waves of the deep Pamir-Hindu Kush earthquakes A P. Katok, K M Mirov Trudy Inst. seism. i stol. i seism. 12:43-53 '61

#### PAMIRS—GEOLOGY, STRATIGRAPHIC

Cenozoic continental sediments of the Pamirs. V. A. Vasil'ev. Dokl. AN SSSR 161 no. 4:899-902 Ap '65.

#### PAMIRS—MOUNTAIN ECOLOGY

Investigation of temperature and characteristics of the altitudinal distribution of vegetation in the southern Pamirs V. K. Lukanenkova. Bot. zhur. 50 no. 3: 350-360 Mr '65.

#### PAMIRS—RIVERS—TEMPERATURE

Temperature cycle of the Pamir's River. V. V. Golovins. Izv. Vses. geog. ob-va 97 no 2:111-150 Mr-Apr '65

#### PAMIRS—SOIL MICRO-ORGANISMS

Biosynthesis of free amino acids by mycobacteria and nonspore-forming bacteria from the soils of Pamirs. I. V. Asceva, T. G. Dobovolskaya Nauch. dokl. vyz. shkoly, biol. nauki no 2:181-184 '65.

#### PANCREAS

Diagnosing the importance of testing the amylase and hemolytic activity of the pancreas in hog cholera. I I Kulesko, A. I. Solko Vop. vet. vuzov. 1:774-280 '64

Effect of dehydrated ascorbic acid on the activity of the pancreatic lipase in cat N. M. Hala Ukr. biokhim. zhur. 34 no 3:424-427 '62

Endocrine function of the pancreas in peptic ulcer and chronic gastritis based on the indices of carbohydrate metabolism P. V. Smolgovets Sov. med. 28 no 5: 71-75 My '65

#### PANCREAS—AGING

Alpha cells of the islands of Langerhans of the pancreas in persons of various ages. N A Zhukov, Arkh. pat. 27 no. 4:30-34 '65.

#### PANCREAS—CANCER

Itoenko-Cushing disease in conjunction with cancer of the pancreas. N. V. Shumilova, M. I. Balashkin, V. B. Zaitrat'lante. Probl. endok. i gorm. 11 no. 1:60-62 Ja-F '65.

Pathogenesis of acute vascular dystonia during surgery for pancreaticoduodenal cancer. N. S. Makokha. Khirurgia 41 no. 4:64-70 Ap '65

#### PANCREAS—DISEASES

Changes in the electrocardiogram in acute pancreatitis B. L. Elkonin, L. B. Sitimelovich Trudy TSU 66:200-205 '64

Indications for transduodenal papillotomy. V. I. Petrov, O. B. Ponomarev Vest. khir. 92 no 6:12-19 Je '64

#### PANCREAS—HYDATIDS

Echinococcosis of the pancreas. L. N. Starodubtseva, V. I. Gutorov Vest. khir. 93 no 12:101 '64

#### PANCREAS—INFLAMMATION

Antihistamines in the treatment of acute pancreatitis. V. M. Lashchikov Vest. khir. 92 no 6:26-28 Je '64

Relationship between parapancreatic diverticula of the duodenum and chronic pancreatitis. L. P. Volkova, L. I. Dobychna Vest. khir. 92 no. 6:28-33 Je '64

#### PANCREAS—SECRETIONS

Disorders in the exocrine function of the pancreas in patients with thermic burns. V. A. Kochetkov. Sov. med. 28 no. 1:66-70 Ja '65

Methods of determining pancreatic lipase G. K. Shlygin, L. S. Fomina Z. M. Pavlova Sov. metod. v biokhim. 1:298-302 '64.

"Pancreatic" phase of gastric secretion O V. Berkos. Trudy zhur. 51 no. 3:362-371 Mr '65

#### PANCREAS—SURGERY

Echinococcosis of the pancreas. L. N. Starodubtseva, V. I. Gutorov Vest. khir. 93 no. 12:101 '64

Isolated lesion of the pancreas. A. G. Kanonov. Vest. khir. 93 no. 12:101-102 '64.

Pancreatic cyst. V. V. Vlasov, K. P. Kuz'min Vest. khir. 93 no 12:98-99 '64

#### PANCREAS—WOUNDS AND INJURIES

Isolated lesion of the pancreas. A. G. Kanonov. Vest. khir. 93 no. 12:101-102 '64.

#### PANCREATIN

Susceptibility of casein fractions to the action of proteolytic enzymes. P. P. D'achenko, T. A. Zhdanova, Prikl. biokhim. i mikrobiol. 1 no. 1:49-51 Ja-F '65.

#### PANELS (BUILDING)

Consolidation of exterior wall panels. R. R. Khalilov Stroitel. arkhit. Uzb. 6 no. 2:13 F '65

Methods and results of stand measurement of deformations in the rods and inserts in outer walls of large-panel buildings. I. A. V. Shlanekii, Anal. prich. avar. i povr. stroit. kon. no. 2:222-247 '64.

## PANELS (BUILDING)—DEFECTS

Causes of early crack formation during the "dry" placement of floors on wall panels. A. A. Shlekhin, E. A. Bravinskii. Anal. prikl. avai i povr stroi. kon. no. 2 102-120 '64.

## PANEVEZYS (LITHUANIA)—DESCRIPTION AND TRAVEL

Diagella, A. Panevezys. Vilnius, Valstybine politines ir moksline lit-os leidykla, 1960. 38 p. illus. [In Lithuanian]

## PANOVA, VERA FEDOROVNA, 1905-

Shel'tsov, A. M. [Prose by V. F. Panova, 1946-1959; author's abstract of a dissertation on the degree of Canditate of Philological Sciences] Proza V. F. Panovoi 1946-1959 godov, avtor ocherat dissertatsii na soiskanie uchenoj stepeni kandidata filologicheskikh nauk. Nauchn. rukovoditel' V. N. Afanas'ev. Moskva, Mosk gos pedagog. in-t, 1964. 17 p.

[MICROFILM]

## PAPANIN, IVAN DMITRIYEVICH, 1894-

Ivan Dmitriyevich Papanin; on his 70th birthday. A. V. Topachevskii. Gidrobiol zhur. 1 no. 1 73-75 '65.

## PAPAW see subdivision under Tashkent

## PAPER

Base paper for strengthening microwaves sheets. N. V. Tunolovskaya, G. A. Voinovskaya. Bum prom. no. 1 25 Ja '65.

Synthetic fatty acids in the production of machine-coated paper. I. U. N. Klimova and others. Bum prom. no. 4, 9-10 Ap '65.

## PAPER—COMMERCE

Foreign trade of the U S S R in woodpulp and paper goods during 1963. N. A. Lur'e. Bum prom. no. 1 30 Ja '65.

## PAPER—STANDARDS

[Paper and paper products] Dumaga i bumazhnye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 627 p. (SSSR. Gosudarstvennye standarty)

## PAPER CHROMATOGRAPHY

Changes in the composition of protein hydrolysates during neutralization with the EDE-10 anionite. K. M. Olshanova and others. Izv. vyz. ucheb. zav. i shkol. tekhn. no. 1 51-53 '65.

Chromatography of 6-azauracil and its derivatives. V. Bulant, O. Horský, M. Urx. Antibiotiki 10 no. 2 99-104 F '65.

Paper chromatography of Anthraquinone derivatives. Chloranthraquinones. N. S. Dokunikhin, B. N. Kolokolev. Zhur. anal. khim. 20 no. 3 398-400 '65.

Paper precipitation chromatography in the qualitative analysis of inorganic anions. P. N. Kulakov. Izv. vyz. ucheb. zav. i khim. i khim. tekhn. 7 no. 6 904-909 '64.

Quantitative determination of amino acids with the help of paper chromatography. T. S. Pashkina. Sov. metod v biokhim. 1 162-160 '64.

## PAPER ELECTROPHORESIS

Comparative study of water-soluble proteins in the initial and phage-resistant variants of Salmonella gallinarum-pullorum by paper electrophoresis method. V. O. Filippov. Mikrobiol. zhur. 26 no. 3 31-36 '64.

Paper electrophoresis of serum. A. E. Givrich, Sovr. metod v biokhim. 1 110-123 '64.

Susceptibility of casein fractions to the action of proteolytic enzymes. P. F. D'achenko, E. A. Zhdanova. Prikl. biokhim. i mikrobiol. 1 no. 1 43-51 Ja-F '65.

## PAPER INDUSTRY

Final year of the seven-year plan. Bum. prom. no. 1 1-2 Ja '65.

Pneumatic conveying in woodpulp and paper industries. N. E. Novikov. Trudy LTITSBP no. 14 124-128 '64.

Production of tympan belts in the factory shops. A. K. Boruchev. Bum. prom. no. 1 26 Ja '65.

Reduce the time of the putting into operation of the productive capacities. Bum. prom. no. 1 3 Ja '65.

## PAPER INDUSTRY—QUALITY CONTROL

Pay special attention to high quality in production. Bum. prom. no. 4 1-2 Ap '65.

## PAPER MONEY see subdivision under Ural Mountain region

## PAPER PRODUCTS—STANDARDS

[Paper and paper products] Dumaga i bumazhnye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 627 p. (SSSR. Gosudarstvennye standarty)

## PAPERBOARD

Sulfite hemi-cellulose for cardboard. I. U. B. Molodtsov, P. P. Kotikov. Bum. prom. no. 1 10-13 Ja '65.

## PAPERMAKING MACHINERY

Coefficients of the mean tangential stresses of annular sections and their application in determining the deflection of the shafts of papermaking machines. S. E. Shavolov. Trudy LTITSBP no. 14 49-58 '64.

Determining the efficient degree of the modernization of machinery. P. P. Losev. Bum. prom. no. 1 23-24 Ap '65.

Finishing of calendar rolls made from refined cast iron. A. M. Kucher. Trudy LTITSBP no. 11 5-14 '61.

Heat absorbers made from shaped aluminum sheet. V. M. Anuf'ev, E. K. Gusev. Bum. prom. no. 1 21 Ja '65.

Import of equipment for the woodpulp and paper industry. Bum. prom. no. 4 1 in 2, 2-3 Ap '65.

Increase the reliability and stability of the performance of knives and knife sets of score cutters. S. S. Kiselev. Bum. prom. no. 4 20-22 Ap '65.

Investigating the direct control of an open type filling system without partitions and mass overflow. I. S. Podbello. Trudy LTITSBP no. 11 85-93 '64.

Modernization of the headstocks of papermaking machines. I. A. Eldin, G. Z. Rozenfeld, S. S. Karnauk. Bum. prom. no. 1 7-10 Ja '65.

New designs of hydrocalers. G. A. Bakhtan. Bum. prom. no. 1 21-23 Ja '65.

Shkarin, S. A., and A. I. Perelygina. [Manufacture of newspaper on high-speed machines] Proizvodstvo gazetnoi bumagi na vysokoskhnnykh mashinakh. Moskva, Leningradskaya promyshlennost', 1964. 136 p.

Some characteristics of the manufacture of thin newspaper. I. A. Norits. Bum. prom. no. 1 24 Ja '65.

Using proportional and proportionally-integral pressure and level indicators for studying the direct control of a closed type filling system without partitions and stock overflow. I. S. Podbello. Trudy LTITSBP no. 14 04-115 '64.

## PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur. Tekh. i obr. sel. bum. i poligr. proizv. no. 5 My '65.

## PAPERMAKING MACHINERY—TRANSMISSION DEVICES

Critical speeds of shafts with fitted elliptical gear wheels. S. I. Gleizer. Trudy LTITSBP no. 14 76-78 '61.

## PARACHUTES

Modern sports parachutes. I. G. Shuklov. Kriy. Rod. 10 no. 3 17-19 Mr '65.

## PARACHUTING see subdivision under United States

## PARAFFINS

Composition and amount of unsaponifiables-II obtained in the process of paraffin oxidation under industrial conditions. G. I. Moskvina, A. S. D'ozov, N. I. Deintkina. Maslozhir. prom. 30 no. 4 24-25 Ap '65.

Compressibility and molecular structure of liquids. Part I: Compressibility of n-paraffins and their mutual solutions. O. Z. Holyk, I. I. Adamenko. Ukr. fiz. zhur. 10 no. 4 443-448 Ap '65.

Method for the transformation to sodium alkyl sulfates of alcohols obtained by the direct oxidation of liquid paraffins. A. I. Kudlitskiy, L. K. Gel'manskiy. Maslozhir. prom. 31 no. 2 37 F '65.

New developments in the refining of paraffin oils. I. L. Gurevich. Trudy MINKHGP no. 14 167-178 '63.

Obtaining higher  $\alpha$ -olefins of normal structure by the catalytic conversion of paraffins. M. A. Kaliko and others. Neftekhimika 5 no. 1 24-32 Ja-F '65.

Obtaining hydroxy acids from liquid paraffins. V. K. Tsykova, A. A. Bocharov, T. E. Baeva. Neftekhimika 5 no. 1 100-107 Ja-F '65.

Oxidation of paraffin in the presence of complex accelerators for the production of fatty acids. Report No. 1 and No. 2. B. N. Tshumnikov, Z. M. Nikishina, A. A. Perchenko. Izv. vyz. ucheb. zav. i shkol. tekhn. no. 1 28-33 '65.

Preparation of specimens of methane hydrocarbons by pilot plant extraction with aqueous pyridine. G. F. Palchikov. Azerb. khim. zhur. no. 3 20-35 '64.

Role of an alkali promoter in the development of an aluminum-chrome catalyst for the dehydrocyclization of paraffin hydrocarbons. M. I. Rozengart, Z. F. Kuznetsova, K. M. Gitis. Neftekhimika 5 no. 1 17-23 Ja-F '65.

Simplified method for the control of continuous distillation of high-molecular alcohols. V. M. Pedanis, I. I. Krichcheva. Maslozhir. prom. 31 no. 4 26-27 Ap '65.

Use of anion exchanging resins in catalytic synthesis. Report no. 2: Cyanethylation of nitrile oxides. Z. T. Poveda, V. I. Isagullants. Trudy MINKHGP no. 44: 161-166 '63.

## PARAFFINS—ANALYSIS

Mass-spectrometric method for analyzing petroleum paraffins using unitized characteristics. A. A. Poliakova, R. A. Khmel'nik, F. A. Medvedev. Neftekhimika 5 no. 1 153-159 Ja-F '65.

## PARALLAX—STARS

Observations of trigonometric parallaxes with the 20-inch refractor at Pulkovo observatory. I. I. Kanaev. Astron. zhur. 42 no. 3 669-672 My-Je '65.

## PARALYSIS

Sequelae of bilateral paralysis of the diaphragm in kittens. V. D. Glebovskii, L. I. Reikh. Biol. eksp. biol. i med. 59 no. 4 26-30 Ap '65.

## PARALYSIS AGITANS

Mechanism of the origination of tremor in parkinsonism. V. S. Gunkel' and others. Zhur. nev. i psikh. 65 no. 5 645-651 '65.

## PARAMAGNETIC RESONANCE AND RELAXATION see Electron paramagnetic resonance

## PARAMAGNETISM

Influence of paramagnetic centers on some physical properties of anthracene. V. F. Mullikov and others. Izv. AN SSSR. Ser. khim. no. 5 932-933 '65.

## PARAMECIUM

Effect of microwaves on the excitable system in paramnesia. A. S. Pressman, S. M. Rappoport. Biol. eksp. biol. i med. 59 no. 4 48-52 Ap '65.

## PARAMETRIC AMPLIFIERS

Conversion of a parametric amplifier by means of bias control and amplitude pumping of the diode. G. I. Stobodenik, I. U. F. Khotimskiy. Radiotekhnika i elektronika 10 no. 5 896-902 My '65.

Design of multiresonator-type selective parametric amplifiers. V. N. Alifeev, E. L. Ratbil'. Elektrosvyaz' 19 no. 3 332-40 Mr '65.

## PARAMUSHIR ISLAND—GAME AND GAME BIRDS

Game mammals of the Paramushir and Shumshu Islands and possibilities for the increase in their numbers. M. A. Lavov, V. G. Voinov, I. I. Evdokimov. Trudy Sakh. konpl. nauch. i issl. inst. AN SSSR no. 1 139-17 '63.

## PARANOIA

Clinical characteristics of paranoid schizophrenia with a comparatively early origin of the process. V. I. Melorovich. Vop. klin. i lech. shiz. no. 1 90-101 '64.

Clinical variations of the paraphrenic syndrome in schizophrenia. R. D. Smirnov. Vop. klin. i lech. shiz. no. 1 126-130 '64.

Comparative study of the effectiveness of amphetamine and insulin treatment of the paranoid form of schizophrenia. D. G. Enikeev. Vop. klin. i lech. shiz. no. 1 48-49 '64.

Comparative study of the formation of remissions in the paranoid form of schizophrenia in the process of treatment with amphetamine and insulin. A. N. Frishberg. Vop. klin. i lech. shiz. no. 1 145-148 '64.

Effect of amphetamine on the course of the paranoid form of schizophrenia with expressed elements of periodicity and circularity in the clinical picture and course. F. G. Mukharlamova. Vop. klin. i lech. shiz. no. 1 105-107 '64.

Paranoid reactions and paranoid development in aged psychopaths. V. I. Semko. Zhur. nev. i psikh. 65 no. 4 593-599 '65.

Some forms of paranoid psychoses at a senile age. I. N. Platinskaya. Zhur. nev. i psikh. 65 no. 4 600-603 '65.

Stellate treatment of paraphrenic states. A. N. Voskresenskaya. Vop. klin. i lech. shiz. no. 1 10-22 '64.

## PARASITES—BIRDS

(see also subdivision under Azerbaijan; Bering Sea; Kara-Aras Lowland)

Deepening the developmental cycle of the nematode Synhimantus brevicaudatus (Dujardin, 1845) parasitizing on gregarious birds and freshwater fishes. A. A. Mosgovoi, T. I. Popova, M. K. Semanova. Dokl. AN SSSR 162 no. 3 719-720 My '65.

## PARASITES—BOLLWORM see subdivision under Azerbaijan

## PARASITES—CAMELS see subdivision under Azerbaijan

## PARASITES—CATTLE

Use of systemic insecticides against warble flies of cattle. G. I. Ivanovich. Khim. vasil. khoz. 3 no. 3 60-70 Mr '65.

## PARASITES—COOTS see subdivision under Kara Kum Canal region

## PARASITES—CUTWORMS see subdivision under Kazakhstan

## PARASITES—DEER

Biology of terrestrial mollusks, carriers of helminthiasis in the southern Altai. K. K. Uvalova. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 2 84-71 Mr-Apr '65.

## PARASITES—DOMESTIC ANIMALS see subdivision under Azerbaijan, Nagorno-Karabakh Autonomous Province

## PARASITES—FISHES see subdivision under Varvara Reservoir

## PARASITES—FISHES, FRESHWATER

Deepening the developmental cycle of the nematode Synhimantus brevicaudatus (Dujardin, 1845) parasitizing on gregarious birds and freshwater fishes. A. A. Mosgovoi, T. I. Popova, M. K. Semanova. Dokl. AN SSSR 162 no. 3 719-720 My '65.

## PENCILS

About the dictaphone, the ball-point pen and just something about the dictaphone, the technical equipment of a journalist K. Barykin Sov. pech. no. 4 33-35 Ap '65

**PENGUINS** see subdivision under Antarctic regions, Haswell Island, Antarctica

## PENICILLIN—TOXICOLOGY

Study of the toxicity of some semisynthetic penicillins in tissue culture V. G. Zhukov, S. M. Navashin Antibiotiki 10 no. 2, 141-147 F '65.

## PENMANSHIP—STUDY AND TEACHING

Problems of teaching writing T. K. Rad'kov, Nach. shkola 33 no. 2 75-76 F '65  
Teaching children to write on one line. B. E. Rabinovich, Nach. shkola 33 no. 2 77 F '65

## PENSIONS

Concerning the law on state pensions Sots. obesp. 26 no. 4 57-59 Ap '65  
Decree of the Presidium of the Supreme Soviet of the USSR Sots. obesp. 26 no. 4 1-2 Ap '65  
Pension security under social insurance and the civil law compensation for damages due to disability sustained at work, comparative criteria E. I. Astrakhan, Uch. zap. VNIISZ no. 2 101-153 '64  
Pensions in cases of the loss of a breadwinner IU. T. Sedunbaum Sots. obesp. 26 no. 4 52-56 Ap '65

## PENTADIENE

Polymerization of 4-methyl-1,3-pentadiene I. A. Livshits, V. I. Stepanova Vysokom. soed. 7 no. 1 181 Ja '65

## PENTAERYTHRITOL

Investigating the reaction of pentaerythritol with carboxylate latexes A. V. Lisovenko, M. S. Monastyskaya, S. A. Pavlov Izv. vuz. ucheb. zav. i. tekhn. leg. prom. no. 2 39-44 '65

## PENTAMETHINE CHLORIDE

New indicator for argentometric determination. N. F. Dobrovolskiy, Trudy Khar. med. inst. no. 36 397-400 '57.

## PENTANEDIONE

Synthesis of 1-arylbuten-2-ylacetylacetones, M. M. Iukhomenko, N. I. Gansushchak, A. V. Dombrovskii, Ukr. khim. zhur. 30 no. 6 616-618 '64

## PENTOSE

Adaptation of the yeast Torulopsis candida to pentoses, IU. N. Karashevich Izv. AN SSSR Ser. biol. no. 3 398-399 My-Je '65

Some problems of interrelationship between the pentose cycle and glycolysis in the blood I. D. Holovats'kyi Ukr. biokhim. zhur. 34 no. 3 435-442 '62

## PENTOXYL

Treatment of experimental dysentery infection, induced by antibiotic-resistant strains of Flexner's dysentery bacteria, with the combination of antibiotics and a preparation stimulating immunogenesis G. K. Kovalev Antibiotiki 10 no. 2 148-151 F '65.  
Treatment of typhoid fever with levomycetin and pentoxyl B. V. Suleimanov, R. F. Mukhametrahimova Sov. med. 28 no. 5 121-123 My '65

## PENZA—ECONOMICS—STUDY AND TEACHING

Economics institute staffed with volunteers, G. Sil'vanovich IU. Dzin. Ekon. stroi. no. 12 29-30 D '64.

## PENZA—REINFORCED CONCRETE PRODUCTS—CURING

Prokhorov, M. A., and I. A. F. Mikhayev, [Mobile automatic steam chambers for heat treating large reinforced concrete products, practices of the "Promstroil" Trust in the city of Penza] Peredvizhnye avtomaticheskie proparnye kamery dlia termootraboiki krupnobaritnykh zhelezobetonnykh izdelii; opyt tresta "Promstroil" g. Penza, Moskva, Stroizdat, 1964, 15 p. [MICROFILM]

## PENZA PROVINCE—RURAL LIBRARIES

Important link, L. Novosel'seva, Bibliotekar' 42 no. 3 52 M '65.

## PEPPER

Embryological study of the fertilization process of pepper following different modes of pollination, E. M. Mukafian, Izv. AN Arm. SSR, Biol. nauki 18 no. 1 55-61 Ja '65.

## PEPSIN

Phosphoserine-containing peptide fragment of pepsin, V. M. Stepanov and others, Izv. AN SSSR, Ser. khim. no. 4 759 '65.  
Reduction of disulfide bonds in inactivated hog pepsin, E. D. Levin, T. S. A. Egorov, V. M. Stepanov, Izv. AN SSSR, Ser. khim. no. 5 826-829 '65.  
Relation between pepsin catalyzed reactions of transpeptidation and isotopic oxygen exchange, L. V. Kozlov, L. M. Gindman, V. N. Orekhovich, Dokl. AN SSSR 161 no. 6 1455-1457 Ap '65.

## PEPTIC ULCER

Antirelapse preventive treatment of peptic ulcer, A. R. Zlotopol'skii and others, Sov. med. 28 no. 1 41-15 Ja '65

Characteristics of the clinical aspects of peptic ulcer in children S. A. Nopkina Sov. med. 28 no. 5 75-79 My '65.

Content of free hydrochloric acid and late results of gastric resection in perforating ulcer V. F. Ivlev, Sov. med. 28 no. 1 19-53 Ja '65

Endocrine function of the pancreas in peptic ulcer and chronic gastritis based on the indices of carbohydrate metabolism P. V. Smoligovets, Sov. med. 28 no. 5: 71-75 My '65

Perforating gastric and duodenal ulcers in young persons A. P. Balashov, A. M. Zybov, Sov. med. 28 no. 1 45-18 Ja '65

Tella, A. V. [Peptic ulcer in childhood and adolescence; surgical treatment and late results] Lazvennaya bolezn' detского i юношеского возраста, khirurgicheskie lecheniia i otdalennye rezul'taty Tbilisi, Sakhota Sakartvelo, 1964, 81 p. (Opyt sovetskoi meditsiny) (DNLM)

## PEPTIDES

Nucleopeptides in plants, L. M. Shtakova, N. M. Sisakian, Dokl. AN SSSR 161 no. 4 971-974 Ap '65.  
Polarization-diffraction study of the formation of a supermolecular structure in a solution of spiral polypeptide V. G. Baianov, T. I. Volpov, S. I. A. Frankel, Dokl. AN SSSR 162 no. 1 836-839 Je '65  
Relation between pepsin catalyzed reactions of transpeptidation and isotopic oxygen exchange, L. V. Kozlov, L. M. Gindman, V. N. Orekhovich, Dokl. AN SSSR 161 no. 6 1455-1457 Ap '65  
Study of the antineoplastic activity of basic polypeptides in vitro T. G. Terent'eva, Trudy TSU 68 150-154 '64.  
Testing the effect of purified preparations of basic polypeptides derived from animal tissues on tumor cells, N. V. Pokidova, I. I. Smertenko, T. P. Buzina Antibiotiki 10 no. 2 137-141 F '65

## PERCHLORIC ACID

Investigating the inhibiting effect of NO<sub>3</sub> ions on the corrosion of stainless steel in 50-60% perchloric acid, P. F. Drozhzhin, L. T. Osipova, Zashch. met. 1 no. 3: 123-125 Ja-F '65.  
Perchloric acid and its compounds as catalysts in organic synthesis, Part 21: Triphenyl pyrylium salts with functional substituents in aromatic rings, G. N. Dorofeenko, S. V. Krivun, V. V. Mezheritskii, Zhur. ob. khim. 35 no. 4 632-635 Ap '65.  
Perchloric acid and its compounds in organic synthesis G. N. Dorofeenko and others, Usp. khim. 34 no. 2 219-252 F '65.

## PERCOLATION

Investigating the process of sugar separation in case of the use of a side feeding tube for percolation, E. Sh. Krestan, I. I. Korol'ov, Gidroliz. i lezokhim. prom. 18 no. 2 6-9 '65  
Phase permeability of a porous medium by a percolating three-phase flow, V. A. Ivanov, Izv. AN SSSR, Mekh. no. 1 200-203 Ja-F '65.  
Problem concerning the unsteady seepage of a liquid through nonuniform porous media, M. V. Filinov, Izv. AN SSSR, Mekh. no. 1 188-190 Ja-F '65.

## PERECHIN REGION (UKRAINE)—CONGLOMERATE

Composition of Paleogene conglomerates in the Magura zone in the vicinity of Perechin (Transcarpathia), L. V. Linets'ka, I. H. Danylovych, Dop. AN URSR no. 5 652-654 '65.

## PERENNIALS

(see also subdivision under Leningrad, Moldavia)

Two types of rhizome forming in herbaceous perennials I. G. Serebriakov, T. I. Serebriakova, Bull. MOIP, Old biol. 70 no. 2 87-81 Mr-Apr '65.

## PERFORMANCE (LAW)

Gal'perin, L. B. [Issues of disciplined performance of contracts in Soviet trade] Voprosy dogovornoj distsipliny v sovetskoi tovgovle, Tomsk, Izd-vo Tomskogo univ., 1961, 38 p. [MICROFILM]

## PERFUMES

Interferometric method for determining odorous substances content of perfume liquids, N. G. Bogdanovskaya, A. A. Smirnova Maslokhim. prom. 31 no. 3 43 Mr '65

## PERGAMUM—COMMERCE—CIMMERIAN BOSPORUS (KINGDOM)

Pergamum import to Bosphorus in the second century B. C., I. G. Shurgata, Krat. soob. Inst. arkheol. no. 103 41-44 '65.

## PERGAMUM—POTTERY

Pergamum import to Bosphorus in the second century B. C., I. G. Shurgata, Krat. soob. Inst. arkheol. no. 103 41-44 '65.

## PERICARDITIS

Tension pneumopericardium in bronchopulmonary fistula N. I. Gid'inskii, Vest. Khir. 91 no. 2 101-102 F '65.

## PERICARDIUM—DISEASES

Coelomic cysts of the pericardium, V. I. Maslovich, Trudy TSU 68 36-50 '64

## PERICARDIUM—WOUNDS AND INJURIES

Intrapericardial injury of the aorta, N. A. Taranin, Vest. Khir. 94 no. 2 101 F '65.

## PERIODIC FUNCTIONS see Functions, Periodic

## PERIODICITY

Daily fluctuations of the functional state of the adrenal cortex in hypertension, M. A. Alekperov, Azerb. med. zhur. 42 no. 1 27-32 Ja '65

Serebrennikov, M. G., and A. A. Peizovanskii, [Discovery of hidden periodicities] Vynaydeniia skrytykh periodichnostei, Moskva, Nauka, 1965, 244 p.

## PERITONITIS

Interrelations of local and general factors in the pathogenesis of a dynamic obstruction of the intestines in peritonitis B. V. Antipov, IU. M. Gal'perin, Arkh. pat. 27 no. 3 54-60 '65.

Peritonitis in newborn infants I. G. Lezhman, G. I. Lazjuk, Arkh. pat. 27 no. 5 12-18 '65

## PERJURY

Liability for perjury Z. Sarbaev Sots. zakon. 42 no. 5 74-76 My '65.

## PERLITE (MINERAL) see subdivision under Armenia

## PERM—COMMUNITY CENTERS

Into real life M. Moiseev, Sov. pech. no. 4 36-40 Ap '65

## PERM—JOURNALISM—SOCIETIES, ETC.

Into real life, M. Moiseev, Sov. pech. no. 4 36-40 Ap '65.

## PERM—PETROLEUM REFINING

Efficient rectification of gasoline and the sampling of aromatic hydrocarbons in catalytic reforming, IU. V. Baivarovskii, N. A. Zubkova, A. I. P. eobrazhenskaya, Neftoper. i neftekhim. no. 4 26-27 '65.

## PERM—SALMONELLA INFECTIONS

Characteristics of salmonellae in Perm, I. A. Khristalova, Zhur. mikrobiol., epid. i immun. 41 no. 12 122-125 N '64.

## PERM PROVINCE—CAVES

Chemical composition of sediments in the Vorkhobere-zovskaya, Cave I. N. Shontov, Peshchery no. 4 101-106 '64

## PERM PROVINCE—EVENING AND CONTINUATION SCHOOLS

Let's expand the network of vocational and technical evening schools, L. Zhivalkin, Prof. i tekhn. obr. 22 no. 2 4-5 F '65.

## PERM PROVINCE—GAS, NATURAL—GEOLOGY

First gas-bearing area in the Veslyana well in the Perm Province portion of the Kama Valley, V. N. Rykov, R. N. Dazotsev, Gaz. prom. 10 no. 3 1-3 '65

## PERM PROVINCE—OIL WELL DRILLING

Drilling actual-prospecting wells in salt sediments, V. G. Zil'bershmidt, N. L. Gorbach, Burenio no. 4 12-13 '65.

## PERM PROVINCE—ROCKS, SEDIMENTARY—ANALYSIS

Chemical composition of sediments in the Vorkhobere-zovskaya Cave, I. N. Shestov, Peshchery no. 4 101-106 '64.

## PERMALLOYS

Hall effect in thin permalloy films, Va. Din' Ky [Va. Din. Cu], E. F. Kuritsyna Fiz. met. i metalloved. 10 no. 4: 501-505 Ap '65.

## PERMALLOYS—MAGNETIC PROPERTIES

Effect of cyclic heat treatment and plastic deformation on the magnetic properties of permalloys V. I. Bozlova, E. G. Madatova, Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 20 88-93 '64.

## PERMITTIVITY see Dielectric constant

## PEROXIDASES

Mechanism of the activation of peroxidase in an infected tissue of immune plants, B. A. Rubin, T. M. Ivanova, M. A. Davydova, Prikl. biokhim. i mikrobiol. 1 no. 1: 25-36 Ja-F '65.

## PEROXIDES

Acyl peroxides. Part 7: Synthesis of asymmetrical diacyl peroxides of the aliphatic and hexahydroaraliphatic series, IU. A. Ol'dekop and others, Zhur. org. khim. 1 no. 1 82-86 Ja '65.

## PEROXIDES (Continued)

High degree of polymerization of styrene and methyl methacrylate in the presence of polymeric peroxides. N. S. Tsvetkov, R. F. Markovskaya. Vysokom' sozd 7 no. 1169-174 Ja '65

## PEROXIDES—PHYSIOLOGICAL EFFECT

Peroxides in liver lipids and fatty tissues of experimental animals. V. G. Panteleiko. Vop. pit. 23 no. 5 20-23 8-O '65.

## PEROXY ACIDS

Characteristic features of styrene polymerization at advanced stages of conversion initiated by diacyl peroxides. S. S. Ivanchev, V. I. Galibet, A. I. Ushchenko. Vysokom' sozd 7 no. 174-79 Ja '65

## PEROXYACETIC ACID

Use of peracetic acid. S. L. Amusina. Tekst. prom. 25 no. 3 51-54 Mr '65

## PEROXYDICARBONATES

Radical reactions of organic peroxydicarbonates. Part 3: Interaction of dicyclohexylperoxydicarbonate with dimethylamine. G. A. Razuvayev and others. Zhur. org. khim. 1 no. 1 70-82 Ja '65

## PEROXYMONOSULFURIC ACID

Hydroxylation reaction of aldehyde acid and cyclohexene by Caro's acid in  $H_2O^{18}$  solution. L. V. Sultina. Zhur. org. khim. 1 no. 1 71-75 Je '65

## PERPETUAL MOTION

Using the principle of perpetual motion. A. Ivolsin. Izobr. i izv. 4 no. 4 21 '65

## PERSIA see Iran

PERSIMMON see subdivision under Talysh Mountain region

## PERSONAL INJURIES

(see also subdivision under Lugansk Province) Damage compensation for injury to the health of a citizen below 15 years of age (Art. 465 of the Civil Code of the R. S. F. S. R.). I. Malein. Sov. iust. 29 no. 10: 20-22 My '65

## PERSONALITY

(see also subdivision under United States) Failure of the existentialist conception of personality. M. Mitin. Kommunist 42 no. 8:101-111 My '65  
Role of the masses and personality in the historical process. V. Radin. Komm. Vooruzh. Sil 16 no. 4:51-59 F '65.

## PESCHANOKOPSKOYE REGION (ROSTOV PROVINCE)—GRAIN—CLEANING

Practices in cleaning seed grain at the Peschanokopskoye Grain Receiving Station. A. Stopko. Muk. olev. prom. 31 no. 5 27 My '65.

## PESTEL', PAVEL IVANOVICH, 1793-1826

Medved'ska, L. O. [Pavel Ivanovich Pestel'; a biographical sketch] Pavlo Ivanovich Pestel'; biograficheskiy nares, Kyiv, Rar'tians'ka shkola, 1964, 155 p., (U)

## PESTICIDES

Chenkin, A. F., and I. S. Makarova. [Manual on poisonous chemicals and equipment used in the control of pests, plant diseases and weeds] Spravochnik po iadokhimikatu i apparaturе, primeneniym v bor'be s vreditel'nykh, boleznyami rastenii i sornakami. 2. dop. izd. Moskva, Rossel'khozizdat, 1965, 271 p., (DNAL)

Immunity and chemistry in protecting plants against diseases and pests. M. S. Dunin. Izv. TSKJA no. 5:165-177 '64.

Mechanized application of pesticides in soil. I. Veletskii. Inform. biul. VDNKH 1 no. 4:29-31 Ap '65

## PESTICIDES—SAFETY MEASURES

Establish conditions for economic and safe use of chemical preparations in agriculture. Khim. v. sel'. khoz. 3 no. 3:2-3 Mr '65

## PESTICIDES—TOXICOLOGY

Quantitative evaluation of the phytotoxicity of pesticides. G. V. Ogenava. Soob. AN Gruz. SSR 37 no. 3:685-692 Mr '65

PETRELS see subdivision under Haswell Island, Antarctica

## PETROCHEMICAL INDUSTRY

First of May is a day of international solidarity of workers, a day of unity and brotherhood for the workers of all countries. Neftianik 8 no. 5:1-2 My '63.

## PETROCHEMICAL INDUSTRY—HYGIENIC ASPECTS

Some problems of hygiene in the production of synthetic fatty acids. E. V. Lladova, A. N. Musserakina. Maslozhir. prom. 31 no. 2:19-21 F '65

## PETROCHEMICALS

Development of petroleum chemistry within the framework of the directives of the 22d Congress of the CPSU V. S. Fedorov. Trudy MINKHGP no. 4:13-14 '63

## PETROGRAPHIC MICROSCOPE

Refraction corrections in finding the axes of indicatrix on the Todorov universal stage. Part 2. V. V. Dolivo-Dobrovolskii. Zap. Vses. mn. ob-va 94 no. 2:143-118 '65.

## PETROLEUM

(see also subdivision under Kuma Valley, Stavropol Territory)

Production and use of organosulfur compounds separated from petroleum. Biul. tekhn. i ekon. inform. Gos. nauch. iissl. inst. nauch. i tekhn. inform. 10 no. 3:4 Mr '65.

## PETROLEUM—ANALYSIS

Radchenko, O. A. [Geochemical characteristics of the distribution of oil-bearing provinces in the world] Geokhimicheskie zakonomernosti razmeshcheniya neftenosnykh oblastei mira, Leningrad, Nedra, 1965, 313 p.

## PETROLEUM—TRANSPORTATION

(see also subdivision under Ishkhatay region, Bashkiria, Tatar A. S. S. R.)

Broaden the development of the movement for communist labor. O. Frokopyev. Neftianik 8 no. 5:38 My '63.

## PETROLEUM AS FUEL

Features of the tars of middle-distillate petroleum fuels. I. A. B. Chetkov, G. B. Englina. Neftoper. i neftekhim. no. 3:24-27 '65.

## PETROLEUM COKE

Comparative analysis of variation in the flow sheets of the reactor block of units for continuous coking in a fluidized bed. A. A. Shcherbakov, L. V. Smidovich. Trudy MINKHGP no. 4:197-202 '63.

## PETROLEUM GEOLOGY

(see also subdivision under Afghanistan; Azerbaijan; Binnagdy Oil Field; Caucasus; Chakmaglyar Oil Field; Crimea; Emba region, Kazakhstan; Gazli region, Uzbekistan; Kazakhstan; Lenin Oil Field; Lokosovo Oil Field, Mangyshlak Peninsula; Moldavia; Mubarak region, Uzbekistan; Nekrasov Oil Field; Pacific Area; Siemakia District; Siberia; Siberia, Western, Siberian Platform; Sukhona Depression; Ustyurt; Vorkuta region, Komi A. S. S. R.; West Sargut Oil Field; Yakutia)

Effect of geological conditions on the value of oil recovery from source rocks. S. G. Neruchev, I. S. Kovacheva. Dokl. AN SSSR 162 no. 4:913-914 Je '65.

M. V. Lomonosov on the inorganic origin of petroleum. N. M. Chukcev. Izv. AN Kazakh. SSR Ser. geol. 22 no. 2:60-60 Mr -Ap '65

Mukhin, V. V. [Prospecting drilling for oil and gas in platform regions of the U. S. S. R.; analysis of methods and results] Poiskovoe burenie na neft' i gaz v platformnykh rayonakh SSSR; analiz metodiki i rezul'tatov. Leningrad, Nedra, 1964, 182 p., (Leningrad, Vsesoyuznyi neftianoi nauchno-issledovatel'skii geologorazvednyy institut, Trudy, no. 240)

Nature of the radioelectric anomalies over gas and oil pools. R. P. Gottikh. Sov. geol. 8 no. 3:23-34 '65.

Oil from outer space. K. V. Kostin. Neftianik 8 no. 5:40 My '63.

Prospects for finding deep and extradeep oil and gas fields in the U. S. S. R. M. F. Dvali, M. D. Belenin. Sov. geol. 8 no. 3:10-22 '65.

Radchenko, O. A. [Geochemical characteristics of the distribution of oil-bearing provinces in the world] Geokhimicheskie zakonomernosti razmeshcheniya neftenosnykh oblastei mira, Leningrad, Nedra, 1965, 313 p.

Using mathematical statistics in petroleum geology. M. S. Arabadzhi, I. U. M. Vasil'ev, V. S. Mil'nichuk. Izv. vys. ucheb. zav.; neft' i gaz 8 no. 4:3-9 '65.

## PETROLEUM INDUSTRY

(see also subdivision under Arab Countries, China; Cuba; Europe, Western; Iran; Krasnodar; Rumania; Saudi Arabia; Siberia, Western)

Characteristics of the distribution of the extractive industry, based on the example of petroleum production. E. Kantor. Izv. Vses. geog. ob-va 97 no. 2:112-118 Mr -Ap '65.

Chemistry and the petroleum industry. N. K. Bafbakov. Burente no. 1:3-8 '64.

Conditions for the fulfillment of the plan for construction in 1965. Strel. truboprov. 10 no. 2:1-2 F '65.

First of May is a day of international solidarity of workers, a day of unity and brotherhood for the workers of all countries. Neftianik 8 no. 5:1-2 My '63.

Our contribution to the creation of the material and technical base of communism. V. S. Krivich. Neftianik 8 no. 5:5-7 My '63.

## PETROLEUM INDUSTRY—ELECTRIC EQUIPMENT

Using electric measuring devices in sparkproof electrical networks. A. I. Sultanovich, V. I. Demikhov, V. G. Luppé. Mash. i neft. obor. no. 4:20-23 '65

## PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION

Inflammability of petroleum gas-vapor mixtures. A. I. Sultanovich, D. N. Bel'fer. Bezop. truda v prom. 9 no. 5:21-26 My '65.

## PETROLEUM INDUSTRY—TECHNOLOGICAL INNOVATIONS

Good results. B. Ponomarenko. Neftianik 8 no. 5:33 My '63.

## PETROLEUM PIPELINES

Route of the Shaim-Tyumen' petroleum pipeline. A. G. Saikisov. Strel. truboprov. 10 no. 2:3-4 F '65

## PETROLEUM PIPELINES—FLUID DYNAMICS

Efficient hydraulic transport of viscous and highly-viscous petroleum. A. Sh. Asaturian, I. U. A. Gerasimov, V. I. Chernikin. Izv. vys. ucheb. zav.; neft' i gaz 8 no. 4:83-87 '65.

## PETROLEUM PIPELINES—MAINTENANCE AND REPAIR

[Planning, operation and repair of petroleum products pipelines] Ploekhtirovanie, ekpluatatsiya i remont neftoproduktoprovodov. [By] V. S. Iabonskii i dr. Moskva, Nedra, 1965, 410 p.

## PETROLEUM PRODUCTION

(see also subdivision under Azerbaijan; Palvanash Oil Field)

Practicable degree of the downing of a series of wells when they are switched off from exploitation. B. T. Baishev and others. Trudy VNI no. 42 291-321 '65.

## PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES

Moderatizing units for the investigation of the permeability of cores. V. I. Gorain, Mash. i neft. obor. no. 2:16-19 '65.

Pneumatic Piston-piston and PTT double-piston drive-attachmen. P. V. Kuratiev. Mash. i neft. obor. no. 2:18-23 '65.

## PETROLEUM PRODUCTION—IN-SITU COMBUSTION

Experimental investigation of combustion in carbonate rocks. I. A. Mustaev. Neftprom. delo no. 2:12-16 '65.

PETROLEUM PRODUCTION—MAPS see subdivision under Khodzhatad region (Uzbekistan)

## PETROLEUM PRODUCTS

Petroleum refining products as softener-fillers of divinyl styrene rubbers. V. I. Guseva and others. Trudy MINKHGP no. 44:48-57 '63.

## PETROLEUM PRODUCTS—TESTING

[Petroleum products; test methods] Neftoprodukty: metody ispytaniy. Izd. oilstai'noe, Moskva, Izd-vo Standartov. Pt. 1, 1965, 646 p. (SSSR, Gosudarstvennyy standard)

## PETROLEUM PRODUCTS—THERMAL PROPERTIES

Generalizing test data on the coefficients of the heat conductivity of fluids and their mixtures. G. Kh. Mukhammedjanov, A. G. Usmanov. Izv. vys. ucheb. zav.; neft' i gaz 8 no. 4:87-71 '65.

## PETROLEUM REFINERIES—HEATING AND VENTILATION

Saving money by using air cooling in petroleum refineries. V. V. Sredin. Mash. i neft. obor. no. 2:27-30 '65

## PETROLEUM REFINERIES—SAFETY MEASURES

Valuable contribution of innovators. A. V. Urmannov. Bezop. truda v prom. 9 no. 6:50-61 My '65.

## PETROLEUM REFINING

(see also subdivision under Baku; Krasnovodsk, Turkmenistan; Nahorhatiya, India; Pern)

Production and comparison of the quality of aviation lubricants obtained by different refinery processing. R. Sh. Kuliev, G. T. Musayev. Azerb. khim. zhur. no. 3: 21-27 '64.

Studying the regularities in the drainage of  $C_2$  fractions on molecular sieves. G. A. Pivovarova, A. Z. Dorogochinskii. Izv. vys. ucheb. zav.; neft' i gaz 8 no. 4:83-86 '65.

Triethylene glycol as a solvent for the denaturation and desulfurization of oil fractions. L. L. Gusevich, V. A. Matishchev. Trudy MINKHGP no. 44:72-79 '63.

## PETROLEUM REFINING—COSTS

Optimizing the operation of processing units for the refining of petroleum. D. I. Andreev. Izv. vys. ucheb. zav.; neft' i gaz 8 no. 3:100-113 '65.

## PETROLEUM REFINING—DESALTING

Some results of the operation of units used in the preparation of petroleum for the petroleum refinery. I. N. Rybachok, P. M. Shul'ga. Izv. vys. ucheb. zav.; neft' i gaz 8 no. 3:69-71 '65.



## PETROLEUM REFINING—DESALTING (Continued)

Testing alkylene oxide block copolymers as demulsifiers on an electric desalter. N. M. Nikolaeva, A. T. Sereda, D. N. Levchenko, *Nefteprom i neftekhim.* no. 4-7-9 '65.

## PETROLEUM REFINING—DEWAXING

Dewaxing the lubricant components of petroleum from the island of Peshchany with methyl isopropyl ketone M. M. Movsumzade, S. S. Beibutova, *Izv. vuz. ucheb. zav., neftekhim.* no. 3-65-68 '65.

Preparation of specimens of methane hydrocarbons by pilot plant extraction with aqueous pyridine G. F. Pal'chikov, *Azerb. khim. zhur.* no. 3:29-35 '64.

## PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Baku, Novoufimka, Sverdlovsk Province, Volgograd Province)

Increasing the efficiency of sedimentation tanks in demulsification units by changing the design of the nipples for fluid inlet and outlet. I. N. Rybachok and others, *Neftprom, delo* no. 2:31-33 '65.

Using centrifugal pumps with open impellers in petroleum refining V. B. Serebrianyi, D. I. A. Muchinskii, *Mash. i nefteobor.* no. 2:3-4 '65.

## PETROLEUM REFINING—TECHNOLOGICAL INNOVATIONS

Petroleum refining innovators. M. I. Tsvetkova, *Neftnik* 8 no. 5:28 My '63.

## PETROLEUM RESEARCH see subdivision under Azerbaijan

## PETROLEUM WORKERS see subdivision under Chechen-Ingush A. S. R., Lvov Province; Sakhalin

## PETROLEUM WORKERS—EDUCATION AND TRAINING

Economic efficiency of the training of worker cadres. E. Zhil'tsov, A. Bulgakov, Prof., *tekh. obr.* 22 no. 2:3-4 F '65.

## PETROLOGY

(see also subdivision under Assake-Audan Depression; Azat Valley, Armenia, Carpathian Mountains; Chatkal Range; Chatkal Valley, Fergana Province, Karamazar Mountains; Tashkent region)

Concerning the place of actualism in the science of sedimentary rocks. V. F. Zauzolkov, *Izv. vuz. ucheb. zav. geol. i razv.* 7 no. 11:8-17 N '64.

New developments in methods of determining the alkalinity hazard of rocks S. E. Mogilevskaya, G. P. Starkov, *Bezop. truda v prom.* 8 no. 4:39-40 Ap '65.

## PETROPAVLOVSK—COMMERCIAL LIBRARIES

They come here for advice. P. Shaduro, *Sov. torg.* 38 no. 4:47 Ap '65.

## PETROZAVODSK—CONSTRUCTION INDUSTRY

*Nauchno-tekhnicheskoe obshchestvo bumazhnoi i derevoobrabatovayushchei promyshlennosti. Karelskoe obshchestvo pravleniye. [Petrozavodsk Housing Construction Combine] Petrozavodskii domostroitel'nyi kombinat, Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964, 38 p. (Vystavka dostizhenii narodnogo khozaistva SSSR) [MICROFILM]*

## PHAGOCYTOSIS

Study of the reaction of completed phagocytosis in children with dysentery A. D. Kositskaya, I. L. Gusarskaya, *Zhur. mikrobiol., epid. i immun.* 41 no. 11:8-11 N '64.

## PHARMACOLOGY

Pharmacognostic study of some species of woodruff and bedstraw of the Azerbaijan flora. N. A. Islamova, *Azerb. med. zhur.* 42 no. 1:38-42 Ja '65.

## PHARMACOLOGY

Characteristics of the chemical composition of medicinal forms and galenic-pharmaceutical preparations from various parts of some species of willows growing in Azerbaijan. A. A. Nasudari, *Azerb. med. zhur.* 42 no. 1:43-47 Ja '65.

Results of medicinal treatment of stammering in adults. V. S. Kochergina, *Zhur. nevro. i psikh.* 65 no. 5:753-756 '65.

## PHARMACOLOGY—ABSTRACTS

[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. no. 10 My '65, (Avtorskii ukazatel) za 1964 g.

## PHARMACY

(see also subdivision under Lvov Province)  
Rozenzweig, P. E. [Technology of Drugs] *Tekhnologiya lekarsvennykh form*, Izd. 4., perer. i dop. [Leningrad] Meditsina, 1965, 426 p. (DNLW)

## PHARMACY—STUDY AND TEACHING see subdivision under Kharkov

## PHASE RULE AND EQUILIBRIUM

Changes in the physical properties of martensite during aging M. D. Perkas, L. P. Potapov, *Fiz. met. i metalloved.* 19 no. 4:631-633 Ap '65.

Chromium - silicon diagram V. N. Svechnikov, I. U. A. Kocherzhinskii, L. M. Nupko, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 19:212-218 '64.

Composition of austenite formed during the rapid heating of steel. B. N. Grdnev, I. U. A. Meshkov, S. P. Oshkaderov, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 19:185-189 '64.

Constitutional diagram of the system niobium - nickel. V. N. Svechnikov, V. M. Pan, V. G. Korobelnikov, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 19:196-205 '64.

Constitutional diagrams of the systems NbCr<sub>2</sub> - TiCr<sub>2</sub> and NbCr<sub>2</sub> - Ti. V. N. Svechnikov, I. U. A. Kocherzhinskii, V. I. Latsheva, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 19:192-195 '64.

Crystallostructural changes with martensitic transformations  $\gamma \rightarrow \epsilon \rightarrow \alpha$ . L. I. Lysak, B. I. Nikolin, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 20:154-161 '64.

Diagram of the isothermal formation of austenite in steel. V. N. Grdnev, I. U. A. Meshkov, S. P. Oshkaderov, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 20:148-153 '64.

Effect of a pulsating magnetic field on the position of the temperature range of martensite transformations in steel E. A. Fokina, L. V. Smirnov, V. D. Sadovskii, *Fiz. met. i metalloved.* 19 no. 4:582-595 Ap '65.

Equipment for complex investigations of phase transformations under the effect of rapid heating. I. U. A. Meshkov, S. P. Oshkaderov, N. F. Chernenko, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 20:198-202 '64.

Fusibility diagram of the system chromium - niobium - titanium. I. U. A. Kocherzhinskii, V. I. Latsheva, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 20:125-128 '64.

Investigating chromium-iron-molybdenum and chromium-iron-tungsten alloys R. A. Afifinaeva and others, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 20:108-124 '64.

Investigating phase equilibrium in the system Ti - Al<sub>2</sub>O<sub>3</sub>. I. I. Korotkov, V. V. Glazova, *Izv. AN SSSR, Met.* no. 1:169-194 Ja-F '65.

Martensite character of the intermediate transformation of austenite. A. V. Belotskii and others, *Izv. AN SSSR, Met.* no. 1:104-107 Ja-F '65.

Phase diagram of the system bismuth oxide-ferrie oxide. E. I. Speranskaya and others, *Izv. AN SSSR, Ser. khim.* no. 5:905-908 '65.

Phase equilibrium diagram of the system III - Ta in the solid state. V. N. Svechnikov, A. K. Shurin, G. P. Dmitrieva, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 19:206-211 '64.

Phase equilibrium in the system zirconium-chromium-carbon T. F. Fedorov, I. U. B. Kuz'ma, Porosh. met. 5 no. 1:75-79 Mr '65.

Phase equilibrium in the ternary system zirconium-molybdenum-carbon. T. F. Fedorov, I. U. B. Kuz'ma, L. V. Gorshkova, *Porosh. met.* 5 no. 1:69-74 Mr '65.

Phase equilibrium of some binary systems containing fatty series compounds. N. I. Samsonova, K. V. Vil'shau, *Maslozhir. prom.* 31 no. 3:21-25 Mr '65.

Structure and properties of alloys in the system molybdenum - silicon - chromium. V. N. Svechnikov, I. U. A. Kocherzhinskii, L. M. Nupko, *Sbor. nauch. trud. Inst. metalloved.* AN URSSR no. 20:84-107 '64.

Studying the ternary constitutional diagram of W-Mo-Zr. A. M. Zakharov, E. M. Savitskii, *Izv. AN SSSR, Met.* no. 1:150-159 Ja-F '65.

Transition of substance through the boundary state. G. A. Mukhachev, *Izv. vuz. ucheb. zav., av. tekhn.* 8 no. 2:110-114 '65.

Use of the method of electroconductivity measurement in studying the mechanism underlying the distribution of salt between water and saturated water vapor. M. A. Styrikovich, O. I. Martynova, Z. S. Belova, *Dokl. AN SSSR* 162 no. 4:806-808 Je '65.

Using high-frequency heating of specimens to determine the temperature of the occurrence of the liquid phase V. N. Ereminenko, V. E. Listovnichii, *Porosh. met.* 5 no. 4:75-78 Ap '65.

## PHENACITE

Formation of phenacite after beryl during potassium metasomatism. I. G. Pavlova, *Dokl. AN SSSR* 162 no. 3:654-657 My '65.

## PHENETHYLAMINE—PHYSIOLOGICAL EFFECT

Pharmacological study of some phenamine derivatives. N. N. Petrenko, *Trudy Khar. med. inst.* no. 36:311-317 '57.

Pharmacological study of the hypotensive effect of some phenamine derivatives. E. A. Krasnovskaya, *Trudy Khar. med. inst.* no. 36:305-310 '57.

## PHENOL CONDENSATION PRODUCTS

Condensation of phenols with acetylenic  $\gamma$ -glycols in the presence of phosphoric acid. A. I. Kakhnashvili, D. I. A. Bugianishvili, R. Meharadze, *Soob. AN Gruz. SSR* 37 no. 3:573-580 Mr '65.

Reaction of unsaturated elastomers with alkyl phenol-formaldehyde derivatives under vulcanization conditions L. V. Ginzburg and others, *Vysokom. soed.* 7 no. 1:55-62 Ja '65.

## PHENOLOGY see subdivision under Lvov Province

## PHENOLS

Alkylation of phenol by isoprene on KU-2 cation-exchange resin. V. I. Isagultians, V. F. Evstafiev, *Zhur. org. khim.* 1 no. 1:102-106 Ja '65.

Alkylation of phenol and p-cresol with cyclohexyl and cyclopentyl chlorides. A. R. Abdurazulova, K. N. Akhmedov, *Uzb. khim. zhur.* 8 no. 5:31-37 '61.

Electron paramagnetic resonance study of the oxidation of the methyl ether of o-amino-p-tert-butylphenol. F. N. Mazitova, I. U. M. Ryzhmanov, *Dokl. AN SSSR* 161 no. 6:1346-1348 Ap '65.

Hydrolysis of N-monosubstituted vinyl ethers of 12-p-aminophenols G. G. Skvortseva and others, *Zhur. org. khim.* 1 no. 1:111-113 Ja '65.

Isolation of RNA and DNA by Kirby-Geor'giev phenol method V. S. Tongu, N. S. Vladychenskaya, *Sov. metod. v biokhim.* 1:222-228 '64.

Mechanism underlying the alkylation of phenols by higher olefins in the presence of cation-exchange resins O. N. Tsvetkov and others, *Dokl. AN SSSR* 162 no. 4:833-835 Ju '65.

New formation of phenols in injured tissues of potato tubers. O. I. Ozeretskaya, N. I. Vasilukova, *Dokl. AN SSSR* 161 no. 4:888-890 Ap '65.

Odorous substances from alkylphenols Part 6: Synthesis of odorous substances from octylphenols L. A. Kheifits, A. S. Podberezina, V. N. Belov, *Zhur. org. khim.* 1 no. 1:89-92 Ja '65.

Study of the sulfonation reaction Part 58: Sulfonation of phenols at low temperatures. A. A. Spivakov, B. G. Gnadin, *Izv. vuz. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:935-940 '64.

## PHENOTHIAZINE

Correlation of the so-called antipsychotic and neuroleptic effect of nozinan. L. G. Efferdrieva, *Vop. klin., patog. i lech. shiz.* no. 1:152-154 '64.

Synthesis in the series of phenothiazine. Part 16: Reduction halogenation of 10-methyl-5-oxodiphenothiazine. V. A. Skorodumov, S. V. Zhuraviev, *Zhur. org. khim.* 1 no. 1:202-203 Ja '65.

10-Synthesis in the series of phenothiazine. Part 14: Substitutions in methylphenothiazine. S. V. Zhuraviev, V. A. Skorodumov, *Zhur. org. khim.* 1 no. 1:142-145 Ja '65.

## PHENOTHIAZINE—SIDE EFFECTS

Side effects originating during mazhepil therapy and their treatment and prevention. M. I. Ruzhanskii, *Vop. klin., patog. i lech. shiz.* no. 1:121-122 '64.

## PHENOTHIAZINE—THERAPEUTIC USE

Effect of chlorazepin on experimental auticular rhythm disorders. O. V. Ulianova, *Biol. okop. biol. i med.* 59 no. 4:69-72 Ap '65.

Mazhepil treatment of unfavorably developing forms of schizophrenia. M. I. Ruzhanskii, *Vop. klin., patog. i lech. shiz.* no. 1:118-120 '64.

## PHILOSOPHERS

(see also subdivision under Moscow)  
Our authors, *Vop. filos.* 19 no. 4:180 '65.

## PHILOSOPHICAL RESEARCH

Develop the Leninist style in philosophical research. *Vop. filos.* 19 no. 4:3-8 '65.

Some results of philosophical research in the U. S. S. R. *Vop. filos.* 19 no. 5:12-34 '65.

## PHILOSOPHY

Chernov, V. I. [Philosophy and folklore] *Filosofiya i folklor*, Saratov, Privolzhskoe knizhnoe izd-vo, 1964, 161 p.

Results and tasks. A. S. Bogomolov, *Vop. filos.* 19 no. 4:175-178 '65.

## PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

## PHILOSOPHY—STUDY AND TEACHING

Postgraduate student studies philosophy. L. M. Arkhan'gel'skii, E. F. Molevich, I. A. Kh. Abramov, *Vest. vys. shkoly* 23 no. 4:78-82 Ap '65.

## PHILOSOPHY, HUNGARIAN

*Akademia nauk SSSR. Institut filosofii. [Selected passages from the works of Hungarian thinkers and of the 18th to the middle of the 19th century. Translated from the Hungarian] Izbrannyya proizvedeniya vengerskikh mysliteli, konets XVIII - srednina XIX veka. Moskva, Nauka, 1965, 310 p.*

## PHILOSOPHY, ORIENTAL

Leninist methodological principles for the study of Oriental ideologies. A. D. Lishman, *Krat. soob. inst. nar. Az.* no. 7:13-24 '64.

## PHILOSOPHY OF NATURE

A few remarks on the "Essay on the dialectics of living nature." L. I. A. Blakher, E. N. Mirzolian, *Vop. filos.* 19 no. 4:181-182 '65.

## PHLEGMON

Anaerobic phlegmon and gangrene of the scrotum. V. M. Grishkevich, B. N. Birger, E. I. Voinillo, *Vest. khir.* 92 no. 6:127-128 Je '64.

## PHONETICS

Method of searching for scientific information in the field of suprasegmental phonetics. E. A. Afonov, M. V. Davydov, *Vest. Mosk. un. Ser. 7: Filol. zhur.* 20 no. 2:80-85 Mr-Apr '65.

## PHONOGRAPH

The "Symphony" radio-phonograph combination V. Ponomarevskii Radio no 5,30-34 My '65

## PHONONS

Damping of phonons in solid solutions. M. A. Ivanov, M. A. Krivoglas. Sborn. nauch. iud. Inst. metallofiz. AN URSSR no 29:28-15 '64

## PHONONS—SPECTRA

Effect of a two-level impurity system on the phonon spectrum of a crystal and the one-quantum inelastic scattering of neutrons. E. M. Iolin. Fiz. tver. tela 7 no 5:1490-1104 My '65

Phonon spectra in aluminum. M. M. Bredov and others. Fiz. tver. tela 7 no 5:1413-1122 My '65

## PHOSPHAMIDASES

Role of phosphamidase in the mechanism of amino acid absorption in the intestine. O. A. Shishova, B. K. Skirko. Vop. pit. 23 no 5:23-28 S-O '64

## PHOSPHATASES

Determination of intestinal alkaline phosphatase. L. S. Fomina. Sovr. metod. v. biokhim. 1:282-290 '64

Distribution of the activity of acid phosphatase in the inner layers of the retina. S. A. Shibkova, Arkh. anat., gist., i embri. 16 no 4:42-47 Ap '64

Effect of antibiotics on the enzyme systems of bacteria. Report No. 3: Effect of levomycetin and streptomycin on the phosphatases of the colon bacillus and Flexner's dysentery bacilli. E. L. Leibfried. Trudy Khar. med. inst. no 36:187-189 '57

Effect of vitamin D on the activity of alkaline phosphatase in the blood and bones of white rats as related to the calcium and fat content in the diet. K. K. Golikov. Ukr. biokhim. zhur. 37 no 1:97-104 '65

Glands of the uterus in man and some animals. N. N. Brovina. Trudy Khar. med. inst. no 36:33-40 '57

Role of alkaline phosphatase and ascorbic acid in the formation of connective tissue in experimental pneumoconiosis. B. S. Rodkina. Pat. fiziol. i eksp. terap. 9 no 2:36-39 Mr-Apr '65

## PHOSPHATE COATING

Effect of phosphate coating on the running-in of piston teeth. B. P. Artem'ev. Mashinostroitel' no 4:27 Ap '65

## PHOSPHATE MINES AND MINING—EQUIPMENT AND SUPPLIES

Investigating mounted rippers in phosphorus deposits. V. A. Degtiarev, M. I. Rovinskii. Gor. zhur. no 5:15-17 My '65

## PHOSPHATES

Mechanism and enzymes of the conversion of citric acid into acyl phosphates in animal tissues. M. F. Hulyi, T. M. Pechonova, L. I. Matusevych. Ukr. biokhim. zhur. 37 no 1:55-59 '65

## PHOSPHATES—EFFECT ON PLANTS see Plants, Effect of phosphates on

## PHOSPHATES—PHYSIOLOGICAL EFFECT

Study of the early stages of the interaction of viruses with sensitive cells. Report No. 3. Significance of the phosphate groups of the cell membrane for firm attachment of the virus to the cellular surface. N. V. Kaverin. Vop. virus. 10 no 1:14-17 Ja-F '65

## PHOSPHINE

Complex compounds of alkyltrichlorophosphines with aluminum chloride. Part 5: Reaction of the complex compounds of alkyltrichlorophosphines and aluminum chloride with alkylene oxides and alkylene sulfides. K. V. Karavanov, S. Z. Ivin, V. V. Lysenko. Zhur. ob. khim. 35 no 4:737-739 Ap '65

Reaction of ethylchlorophosphine with  $\alpha, \beta$ -unsaturated acids. V. K. Khairullin. Dokl. AN SSSR 162 no 4:627-628 Je '65

Synthesis of sulfides of tertiary acetylenic phosphines. G. M. Bogolubov, A. A. Petrov. Zhur. ob. khim. 35 no 4:704-707 Ap '65

## PHOSPHINE OXIDE

Laws governing the radiation-induced polymerization of diphenylvinylphosphine oxide in a melt. I. U. G. Chikhaev and others. Vysokom. soed. 7 no 1:33-38 Ja '65

## PHOSPHINE SULFIDE—THERAPEUTIC USE

Morphological changes in a tumor during the preoperative treatment of pulmonary cancer with Thio-TEPA. V. V. Badmaeva and others. Khirurgia 41 no 4:24-32 Ap '65

## PHOSPHINIC ACIDS

Products of interaction of chloroacetone and  $\alpha$ -bromoacetophenone with diphenylphosphinic acid esters. E. A. Arbuzov and others. Izv. AN SSSR, Ser. khim. no 4:666-678 '65

Properties of phosphinic acid anhydrides. Part 1: Monoalkyl (aryl) phosphonates. K. A. Petrov and others. Zhur. ob. khim. 35 no 4:723-728 Ap '65

Properties of phosphinic acid anhydrides. Part 3: Reactions of anhydrides of phosphinic acids with olefin oxides. K. A. Petrov, R. A. Baksova, L. V. Khorkholanu. Zhur. ob. khim. 35 no 4:732-737 Ap '65

Synthesis and study of polyalkylphosphinic acids. S. R. Rafikov and others. Vysokom. soed. 7 no 1:65-69 Ja '65

Synthesis of oligomeric polymethylphosphinic acids. S. R. Rafikov and others. Izv. AN SSSR, Ser. khim. no 3:526-527 '65

## PHOSPHOMOLYBDATE

Extraction of heteropolyphosphates. Part 2: Composition of phosphoro- and silicomolybdate complexes in their diluted solutions. N. F. Shkaravskii, Ukr. khim. zhur. 31 no 1:94-100 '65

## PHOSPHONIUM COMPOUNDS

Mercurated phosphonium salts, a new type of quasicomplex compounds. N. A. Nasmeljanov, V. M. Novikov. Dokl. AN SSSR 162 no 2:350-353 My '65

## PHOSPHOPROTEIN

Content, phosphoprotein phosphoserine regeneration and phosphoprotein phosphatase activity in the liver during starvation and subsequent fattening up of animals. R. P. Vynogradova. Ukr. biokhim. zhur. 37 no 1:24-32 '65

## PHOSPHORAMIDIC ACID

Reaction of arylethylendiphosphoramides and aryloxy-ethylenediphosphoramides with chlorine and hydrogen chloride. L. D. Protasenko, N. A. Skul'skaja. Zhur. ob. khim. 35 no 4:715-717 Ap '65

Trialkyl-N-acetylmidophosphates as conjugated systems. M. I. Kabachnik, V. A. Giliarov, Chzhan Chzhen-de [Chang Chong-tieh]. Izv. AN SSSR, Ser. khim. no 4:665-668 '65

## PHOSPHORAMIDOTHIOLIC ACID

Reaction of arylethylendiphosphoramides and aryloxy-ethylenediphosphoramides with chlorine and hydrogen chloride. L. D. Protasenko, N. A. Skul'skaja. Zhur. ob. khim. 35 no 4:715-717 Ap '65

## PHOSPHORAMIDOUS ACID

Reaction of dialkyl amides of dialkylphosphorous acid with aldehydes. V. P. Evdakov, L. I. Mizrakh, L. I. Sandalova. Dokl. AN SSSR 162 no 3:573-578 My '65

## PHOSPHORANE—SPECTRA

Infrared spectra of aryloxyethylenetriphenylphosphoranes and their salts. L. B. Senilavina and others. Izv. AN SSSR, Ser. khim. no 5:895-898 '65

## PHOSPHORIC ACID

Catalytic action of amino acids and amines in reactions of carbonyl compounds. Part 18: Kinetics and mechanism of iodination of acetyl phosphate in the presence of ethylenediamine. N. V. Volkova, E. A. Shilov, A. A. Ivanikov. Ukr. khim. zhur. 31 no 1:56-60 '65

Extraction of antimony (III) by alkyl phosphoric acids and the possibility of its separation from the accompanying elements. I. S. Lovin, A. A. Shatalova. Dokl. AN SSSR 161 no 5:1168-1169 Ap '65

Nucleotides, coenzymes, and phosphoric esters. Part 8: Separation and hydrolytic splitting of phosphoric esters of riboflavin. V. M. Berozovskii, R. V. Artemkina, M. A. Chernova. Zhur. ob. khim. 35 no 4:677-681 Ap '65

## PHOSPHORITES

(see also subdivision under III Depression; Syria)

Mechanism of the inhibition effect of phosphorite esters. M. S. Khlopilankina and others. Neftekhimika 5 no 1:49-52 Ja-F '65

## PHOSPHORODITHIOIC ACID

Synthesis of salts and thioanhydrides of certain  $\alpha, \beta$ -diaryldithiophosphoric acids. M. G. Imaev, S. V. Sokolova, S. D. Fokhteva. Zhur. ob. khim. 35 no 1:742-743 Ap '65

## PHOSPHOROTHIOIC ACID

Cystaphos (monosodium salt of  $\beta$ -aminoethylthiophosphoric acid) as a means for increasing the effectiveness of the chemotherapy of tumors. S. P. Iarmonenko and others. Dokl. AN SSSR 162 no 2:476-479 My '65

## PHOSPHOROUS ACID

Reaction of hexafluoroacetone with triethyl phosphite. E. M. Rokhlin and others. Dokl. AN SSSR 161 no 8:1356-1358 Ap '65

Reaction of triethyl phosphite with  $\beta$ -bromovinyl sulfones. E. G. Kataev, F. R. Tantsheva, E. G. Iarkova. Zhur. ob. khim. 35 no 4:759 Ap '65

Synthesis of alkyl aryl esters of dialkylphosphorous acid. P. A. Kirpichnikov, I. A. Gurvich, C. P. Goren. Zhur. ob. khim. 35 no 4:744-745 Ap '65

Thermal rearrangement of complete phosphorous acid esters with saturated radicals. A. N. Pudovik, A. P. Bakov. Dokl. AN SSSR 161 no 8:1352-1356 Ap '65

## PHOSPHORS

Development of borate luminophore with erythematol action. E. I. Kochugova, I. M. Gurovich. [Trudy] GIPKH no 51:83-87 '64

Development of the "non-gas" method for the synthesis of electroluminophors. O. N. Kazanin, M. A. Dikhter, T. N. Grigor'eva. [Trudy] GIPKH no 51:53-56 '64

Electron paramagnetic resonance of  $Mn^{2+}$  in crystal phosphors on the basis of  $CaSO_4$ . E. N. Spiteyn, V. I. Iaskolko. Nauch. trudy TashGU no 262. Fiz. nauk. no 22:76-78 '64

Luminescent properties of gold activated zinc-sulfide-selenide luminophors. L. A. Golikova, R. I. Smirnova. [Trudy] GIPKH no 51:97-101 '64

Mechanism underlying the excitation of electroluminescence in  $ZnS-Mn$  films. N. A. Vlasenko, A. M. Iarmonko. Opt. i spekt. 18 no 3:467-473 Mr '65

Structure of phosphors on the basis of  $CaSO_4$ . B. M. Nosenko, L. S. Revzin, V. I. Iaskolko. Nauch. trudy TashGU no 262. Fiz. nauk. no 22:71-75 '64

Studying the process of the surface treatment of powder electroluminophors for the removal of excess copper sulfide. I. A. Mironov. [Trudy] GIPKH no 51:57-65 '61

## PHOSPHORS—SPECTRA

Luminophors with a silicate base and a radiation in the ultraviolet band of the spectrum. A. A. Kolpakova, F. M. Perkerman. [Trudy] GIPKH no 51:88-96 '64

Use of the emission spectral analysis for substances for pure luminophors and luminophors. L. I. Khlebnikova, L. A. Dvorzhetskaja, M. K. Shvaneva. [Trudy] GIPKH no 51:107-110 '64

## PHOSPHORS, EFFECT OF RADIATION ON

Simultaneous effect of an electric field and ultraviolet radiation on the luminescence of  $ZnS-Mn$  phosphor sublimate. N. A. Vlasenko. Opt. i spekt. 18 no 3:461-468 Mr '65

## PHOSPHORUS

Different ability of various legumes to assimilate phosphorus from hard-to-dissolve phosphates. P. A. Dmitenko, P. I. Vitrikhovskii. Dokl. Akad. sel'khoz. nauk no 3:22-23 Mr '65

Red phosphorus as fertilizer. L. L. Balashev. Agrokhimika no 2:169-170 F '65

## PHOSPHORUS—EFFECT ON PLANTS see Plants, Effect of phosphorus on

## PHOSPHORUS—THERMAL PROPERTIES

Heat capacity of black phosphorus at low temperatures. I. C. Paukov and others. Dokl. AN SSSR 162 no 3:543-545 My '65

## PHOSPHORUS ACIDS

Anhydrides and anhydrides of phosphorus acids. Part 5: Reaction of amides of phosphorous and phosphinic acids with acetic anhydride. V. P. Evdakov, I. K. Shlenkova. Zhur. ob. khim. 35 no 4:739-741 Ap '65

## PHOSPHORUS CHLORIDES

Reaction of phosphorus pentachloride with isopropylamine and  $\alpha$ -amine. I. N. Zhuravova, B. S. Drach. Zhur. ob. khim. 35 no 4:718-723 Ap '65

Reaction of phosphorus pentachloride with the diphenyl ester of malonic acid. N. D. Bodnachuk, V. I. Shevelenko, A. V. Kiranov. Zhur. ob. khim. 35 no 4:713-715 Ap '65

## PHOSPHORUS ISOTOPES

Labeling influenza viruses with radioisotopes. V. M. Stukhanova, L. M. Zhanlieva. Trudy TSIU 68:110-121 '64

## PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Changes in the sex cycle and the dynamics of radioactive phosphorus ( $P^{32}$ ) concentration in the ovaries following repeated entering of small quantities of the isotope into the body, experimental research. L. A. Doborov'skii. Akush. i g. 40 no 5:153-154 S-O '64

Effect of radioactive phosphorus on experimental rickettsial infection. T. A. Bektimirov. Trudy TSIU 68:112-118 '64

## PHOSPHORUS METABOLISM

Dynamics of nucleic acids and other phosphorus containing compounds in oat leaves. I. A. Podvalkova. Agrokhimika no 4:121-125 Ap '65

Effect of cataplexis and calcium ions on the state of the actomyosin system and carbohydrate-phosphorus metabolism in the uterus. N. S. Bakshaev, I. T. Mikhailenko. Akush. i g. 40 no 5:28-34 S-O '64

## PHOSPHORUS ORGANIC COMPOUNDS

Effect of oxygen compounds of phosphorus on siloxane polymers. V. D. Lobkov and others. Vysokom. soed. 7 no 1:163-168 Ja '65

New disinfection preparations. N. N. Melnikova, B. A. Khaikin, K. D. Shvalova-Shitovskaja. Khim. v sel'. kh. 3 no 3:50-52 Mr '65

Potassium and sodium salts of bis-diphenylphosphinylmethane and their reactions with aldehydes. M. I. Kabachnik, T. A. Medved'. E. I. Matrosov. Dokl. AN SSSR 162 no 2:330-342 My '65

Synthesis of trialkylphenyl triphosphophites. A. M. Kuliev, F. A. Mamedov, F. N. Mamedov. Azerb. khim. zhur. no 3:55-57 '64

## PHOSPHORUS ORGANIC COMPOUNDS—EFFECT ON PLANTS

see Plants, Effect of phosphorus organic compounds on

### PHOSPHORYL CHLORIDE

Products of phosphorylation of acetol by phosphorus oxychloride in quiboline. N. V. Volkova, A. A. Isanikov, Ukr. khim. zhur. 31 no. 1:119-120 '65.

### PHOSPHORYLASE

Transformations of phosphorylase B in acid and alkaline media. N. B. Litvanova, V. I. Fikhegas, V. O. Shpikler Dokl. AN SSSR 161 no. 5:1222-1223 Ap '65.

### PHOSPHORYLATION

Amides and anhydrides of phosphorus acids. Part 1: Phosphorylation of hydroxyl-containing compounds with p-dichloramido-p-acetyl-o-alkyl phosphites. V. P. Evdokov, L. K. Shlenkova, K. A. Bilich Zhur. ob. khim. 35 no. 1:728-731 Ap '65.

Effect of halophenoxy acids on the oxidative phosphorylation of plants. D. I. Chkanikov, A. M. Makeev, N. N. Pavlova Khim. v sel' khoz 3 no. 3:48-52 Mr '65.

Effect of triptamine sulfate on the effectiveness of oxidative phosphorylation and the nucleic acid content in bacterial cells. V. P. Kuznetsov, Antibiotiki 10 no. 2:105-112 F '65.

Effect of 2,4-D on the oxidative phosphorylation of mitochondria isolated from plants of different taxonomic groups. N. I. Iakushkina, T. V. Likholt, Dokl. AN SSSR 161 no. 4:1075-1077 Ap '65.

Phosphorylated derivatives of oxalic acid amides. I. I. Samarin, G. I. Derkach Zhur. ob. khim. 35 no. 4:755 Ap '65.

Products of phosphorylation of acetol by phosphorus oxychloride in quiboline. N. V. Volkova, A. A. Isanikov, Ukr. khim. zhur. 31 no. 1:119-120 '65.

Respiration and oxidative phosphorylation in homo- and heterofermentative lactic acid bacteria. M. K. Karpenko, E. I. Kvanikov, A. A. Burakova Mikrobiol. zhur. 28 no. 3:6-13 '64.

Respiratory processes and phosphorylation in the liver mitochondria of the hibernating gophers. G. M. Daudova, S. A. Neifakh Fiziol. zhur. 51 no. 3:384-387 Mr '65.

### PHOTOCHEMISTRY

Dynamics of the change in properties of photosensitized erythrocytes. I. U. A. Kriger, D. A. Svidlova Biofizika 10 no. 1:176-178 '65.

Kartuzhanskii, A. I. [Physical foundations of the photographic process on silver halide salts] Fizicheskie osnovy fotograficheskogo protsessu na galogenidosel'brinykh soliakh. Moskva, Ispuskstvo, 1965, 84 p. (Massovaya fotograficheskaya biblioteka)

Photochemical chlorination of trifluoropropylchlorosilanes and the synthesis of unsaturated trifluoroalkylchlorosilanes. M. A. Kadim, V. A. Ponomarenko, Izv. AN SSSR, Ser. khim. no. 1:654-659 '65.

Photochemical hydroxylation of allyl alcohol to glycerol by hydrogen peroxide in the presence of  $O_3O_4$  in  $H_2O_2$  solution. L. V. Sullma, Zhur. org. khim. 1 no. 1:75-78 Ja '65.

Photolysis of hypochlorite in alkaline solutions. Part 1: Quantum yields of photolysis. A. Prokopchik, J. Janickis, M. Sakauskas, Trudy AN Litv. SSR, Ser. B no. 3: 46-60 '64.

Photolysis of hypochlorite in alkaline solutions. Part 2: Effect of photolysis products on quantum yields. A. Prokopchik, J. Janickis, M. Sakauskas, Trudy AN Litv. SSR, Ser. B no. 3:61-71 '64.

Study of primary photochemical processes in proteins. Report No. 3. Reactions in frozen solutions of aromatic amino acids and proteins at 77-200° K. D. Roshchupkin, I. U. A. Vladimirov, Biofizika 10 no. 1:48-55 '65.

Two-quantum photochemical processes in frozen solutions of triphenylmethane compounds. I. U. I. Kozlov, D. N. Shigorin, Dokl. AN SSSR 161 no. 4:871-874 Ap '65.

### PHOTOCONDUCTIVITY

Effect of alloying the surface of CdS single crystals with impurities of groups III and VIII of the spectral characteristics of photoconductivity. V. I. Alvarov, H. I. Holymala, M. K. Sheinkman Ukr. fiz. zhur. 10 no. 5: 572-573 My '65.

Ultrathin photosensitive layers for electron microscopic radioautography. V. S. Orlov, Biofizika 10 no. 1:192-194 '65.

### PHOTOELECTRIC CELLS

Effect of the spreading-out resistance on the load characteristic of silicon photocells with different current take-off possibilities. N. M. Bordina and others, Radiotekh. i elektron. 10 no. 4:727-735 Ap '65.

Inertia of photoconductive cells under low lighting. S. V. Nikonov, R. Z. Zainashev, B. G. Borukhov, Trudy Inst. seism. stroi. i seism. 12:127-132 '64.

Integral sensitivity of silver sulfide photocells. S. V. Nikonov, B. G. Borukhov, Trudy Inst. seism. stroi. i seism. 12:121-125 '64.

Svechnikov, S. V. [Photoelectric two-terminal networks] Fotodukhpolusniki. Kiev, Tekhnika, 1965, 270 p.

### PHOTOELECTRIC MEASUREMENTS

Borsov, V. P., and K. I. Taganov. [Using photoelectric devices in spectral analysis] Ispol'zovanie fotoelektricheskikh priborov pri spektral'nom analize. Leningrad, 1965, 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opyt. Seriya: Metody i sredstva kontrolya kachestva i nadezhnosti mashin i priborov)

Certain optical and physical properties of the flame cone in a basic, oxygen-blown converter (in the visible part of the radiation spectrum) and their use to control the process. Report no. 1. B. N. Okorkov and others. Izv. vys. ucheb. zav., chem. met. 8 no. 5:21-26 '65.

The FEP-V photoelectric dust counter. V. P. Kuz'min, Nauch. soob. VostNI 1 no. 1:45-49 '61.

Phase photoelectric microscopes. M. G. Mikhailova, Izv. vys. ucheb. zav., prib. 6 no. 2:128-131 '65.

A photoelectric mining stereoplanimeter. V. S. Khokhlov, K. I. A. Ragorin, A. E. Tiop Izv. vys. ucheb. zav., geol. zhur. 8 no. 2:53-58 '65.

Photoelectric pulse transducer for the measurement of linear displacements. O. N. Chermenski, V. I. Pechikov, Kuz. strem. i stroit. 6 no. 12:22-24 D '64.

Vorontsov, L. N. [Photoelectric systems of control of linear magnitudes] Fotoelektricheskie sistemy kontrolya lineinykh velichin. Moskva, Mashinostroyenie, 1965, 235 p.

### PHOTOELECTRIC MULTIPLIERS

Study of amplitude pulse distributors at the output of a photoelectric multiplier. G. N. Pollakova, A. I. Popov, I. A. M. Fogel', Radiotekh. i elektron. 10 no. 5:929-935 My '65.

### PHOTOELECTRICITY

Experimental study of the extrinsic photoeffect from the surface of diluted potassium amalgams in the liquid and solid states. V. B. Lazarev, I. U. A. Malov, Dokl. AN SSSR 161 no. 4:875-877 Ap '65.

Photocurrent fluctuations in PbO photoemission. V. A. Izvoschikov, M. S. Kosman, K. A. Chernavskii, Fiz. tsvetl. 7 no. 5:1552-1556 My '65.

Separating photores by the photoelectric method. I. I. Batlcev, Trakt. i sel'khoz. mash. no. 3:23-26 Mi '65.

### PHOTOGRAMMETRY

Determination of the form of the net part of a tree by photogrammetry. G. E. Rudenko, Ryb. khoz. 31 no. 1:44-46 '65.

### PHOTOGRAMMETRY—STUDY AND TEACHING

Programmed teaching and the use of teaching machines in photogrammetry. A. N. Lobanov, V. K. Pultovsk, V. B. Dubinovskii, Izv. vys. ucheb. zav., geod. i aerof. no. 5:75-82 '64.

### PHOTOGRAPHIC EMULSIONS

Causes of the specific characteristics of the J-state formation in dyes on the microcrystals of various emulsions. M. K. Grechko, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:116-118 Mr-Apr '65.

Comparative hypersensitization of nuclear emulsions by triethanolamine and by other alkaline sensitizing agents. D. M. Samolovitch, I. V. Ardashov, E. S. Barinova, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:91-93 Mr-Apr '65.

Effect of sodium sulfate on the state of the gelatin polyvinylalcohol dialdehyde-maldehyde system. D. A. Dushelko, N. A. Petrova, I. U. B. Vilenskii, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:81-83 Mr-Apr '65.

Kartuzhanskii, A. I. [Physical foundations of the photographic process on silver halide salts] Fizicheskie osnovy fotograficheskogo protsessu na galogenidosel'brinykh soliakh. Moskva, Ispuskstvo, 1965, 84 p. (Massovaya fotograficheskaya biblioteka)

Nature of the centers of thin structures. E. A. Kirillov and others, Zhur. nauch. i prikl. fot. i kin. 10 no. 2: 148-149 Mr-Apr '65.

### PHOTOGRAPHIC EMULSIONS—SPECTRA

Methodology for measuring the absorption spectra of the thin structure of some objects and the mechanism of thin structure formation. A. N. Letyshov, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:149-151 Mr-Apr '65.

### PHOTOGRAPHIC SENSITOMETRY

Characteristics of light scattering in photographic systems. V. M. Kopylov, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:112-116 Mr-Apr '65.

Investigation of the phenomenon of the reciprocal failure of photographic materials in the ultraviolet range of the spectra. I. I. A. Barakii, V. A. Iakubenas, V. V. Levina, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:103-107 Mr-Apr '65.

Mechanism of the hypersensitization of photographic layers. A. S. Kheiman, V. P. Donatova, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:114-117 Mr-Apr '65.

Possibility to improve the "signal to noise" ratio in photographic images. M. A. Aingorn, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:131-143 Mr-Apr '65.

### PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Developing properties of some dephthalin derivatives and tanning action of the products of their oxidation. E. F. Rud', M. S. Khaidin, G. V. Dorogonov, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:146-147 Mr-Apr '65.

### PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur. i Fotokinetikh. no. 5 My '65.

PHOTOGRAPHY—EXHIBITIONS see subdivision under Ukraine

### PHOTOGRAPHY, MEDICAL

Vessels of the fundus oculi in pregnancy nephropathy based on photocalorimetric data. N. P. Belov, Akush. i gin. 10 no. 5:65-69 S-O '61.

### PHOTOGRAPHY IN NUCLEAR PHYSICS

Comparative hypersensitization of nuclear emulsions by triethanolamine and by other alkaline sensitizing agents. D. M. Samolovitch, V. Ardashov, E. S. Barinova, Zhur. nauch. i prikl. fot. i kin. 10 no. 2:91-93 Mr-Apr '65.

Disintegration of photoemulsion nuclei by slow  $\mu$ -mesons. A. O. Valsenberg, E. D. Kolganova, N. V. Rabin, Izd. fir. 1 no. 4:652-658 Ap '65.

### PHOTOGRAPHY OF ROCKS

Concerning the use of aerial photographs in drawing rocks. N. N. Loslavskii, Izv. vys. ucheb. zav., geod. i aerof. no. 5:101-105 '64.

### PHOTOMETERS

Theory and application of an integral photometer for studying objects with arbitrary scattering curves. V. P. Ryachev, M. I. U. Sakhinovskii, Opt. i spektr. 18 no. 3: 486-494 Mi '65.

### PHOTOMETRY

(see also subdivision under Fergana Valley)

Errors in cytophotometry. I. S. Agroskin, Tsitologiya i no. 3:585-585 S-O '62.

Extraction-photometric determination of microimpurities of calcium in barium compounds. P. P. Gorbenko, V. V. Sachko, Zhur. anal. khim. 20 no. 3:309-312 '65.

Photometric determination of high-molecular weight products of autooxidation in furfuryl alcohol. G. N. Cherniaeva, I. U. I. Khol'kin, Zhur. anal. khim. 20 no. 3:375-379 '65.

Some problems concerning the condition of photometric analysis with measurement conditions. S. M. Sitovskii, Izv. vys. ucheb. zav., nat. i gaz. 8 no. 3:101-104 '65.

### PHOTOMETRY—EQUIPMENT AND SUPPLIES

Operating conditions of vibrators of photometric pickups. M. G. Mikhailova, Izv. tekhn. no. 3:19-21 Mi '65.

### PHOTONS

Photon multiplication in crystals. Part 1. I. R. Urmaz, G. G. Lidiia, Ch. B. Lushchik, Opt. i spektr. 18 no. 3: 453-460 Mr '65.

Threshold light intensity of moving point sources. A. I. Lazarev, N. I. Pinegin, Dokl. AN SSSR 161 no. 4:858 Ap '65.

### PHOTONS—DECAY

Proton decay of nuclei  $CZ > 50$ . V. A. Kurnukhov, G. M. Ter-Akopian, Izd. fir. 1 no. 1:61-66 Ja '65.

### PHOTOPERIODISM

Diurnal activity of minks of various genotypes and their reaction to photoperiodic conditions. D. V. Klochkov, Biol. MOIP, Old. biol. 70 no. 2:106-112 Mr-Apr '65.

Effect of various photoperiods on the development of sweet potatoes (Ipomoea batatas Lam.). K. Kh. Vardanlia, Bot. zhur. 50 no. 3:405-409 Mr '65.

### PHOTOSYNTHESIS

Aftereffect of temperature on the metabolism of carbon ( $C^{14}$ ) in Chlorella pyrenoidosa Chlck. T. A. Glagoleva, N. S. Mamushina, O. V. Zelenkii, Bot. zhur. 50 no. 1: 461-472 Ap '65.

Effect of potassium and chlorine on the photosynthetic activity of a plant. G. V. Udovenko, Agrokhimia no. 3:116-121 Mr '65.

Formation of the photosynthetic apparatus and the productivity of photosynthesis of potato plants under excess chloride supply. M. M. Hancharyk, V. M. Ivanchanka, Vostsi AN BSSR, Ser. biol. i med. no. 1:100-105 '65.

Intermediate products of the photosynthesis of a synchronous Chlorella pyrenoidosa culture at different stages of its development. R. I. A. Shkol'nik and others, Dokl. AN SSSR 161 no. 5:1231-1234 Ap '65.

Relation between the intensity of photosynthesis and temperature gradients. V. S. Shaidarov, Izv. AN SSSR, Ser. biol. no. 3:388-391 My-Je '65.

Role of photosynthetic intensity and productivity in the rate of ripening of fine-fiber cotton. A. M. Lomova, Izv. AN Turk. SSR, Ser. biol. i med. no. 2:8-14 '65.

Session of the Scientific Council on the Problem of "Photosynthesis." V. G. Kocherzhevskii, Agrokhimia no. 2: 171-174 F '65.

## PHTHALIC ACID

Use of dibutyl phthalate for Freon absorption refrigeration systems V. M. Selivestov *Khol'tekhnika* 12 no. 2 30-32 Mr-Apr '65.

## PHTHALOCYANINE

Synthesis and properties of gallium phthalocyanines B. D. Buzin, Izv. vuz. ucheb. zav., Khim. i tekhn. 7 no. 6 982-988 '61.

## PHTHIVAZIDE

Mechanism of the antitubercular action of phtivazide and its analogues. D. G. Arlozov Trudy Khar. med. inst. no. 36:401-409 '57.

## PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Bakur Krasnodar Territory, Rostov Province)

Communist education in the process of public sport activities V. U. Ageevets. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 1:8-11 Apr '65.

Cybernetics and physical education V. M. Zaitsevskii. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 1:12-20 Apr '65.

Hardening can be achieved at any age: "Hardening and health" by A. P. Lavrov. Reviewed by A. A. Minkh. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 5:77-78 May '65.

Lenin's precepts are carried out. G. S. Demetel. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 1:1-7 Apr '65.

Liubomirov, N. [Physical education and sports in the U.S.S.R.] *Fizicheskaya kul'tura i sport v SSSR*. Moskva, Fizkul'tura i sport, 1963. 133 p.

## (NIC)

Methodological and research work on physical education in the institutions of higher learning of the Ministry of Agriculture of the U.S.S.R. V. P. Golubev. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 1:71-77 Apr '65.

Twentieth anniversary of the great victory. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 5:1-7 May '65.

## PHYSICAL EDUCATION AND TRAINING—MATHEMATICAL MODELS

Cybernetics and physical education (conclusion). V. M. Zaitsevskii. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 5:22-30 May '65.

## PHYSICAL EDUCATION FOR CHILDREN

On the propaganda of physical education for children in a family V. G. Iakovlev. *Teori i prakt. fiz. kul't* 27 [i e 28] no. 4:64-66 Apr '65.

## PHYSICAL EDUCATION FOR THE AGED

Bruno, L. I. [Standard exercises in therapeutic and prophylactic calisthenics for the middle aged and the elderly] *Tipovye upravleniya lechenno-profilakticheskoi gimnastiki dlia lits srednego i pozhnogo vozrasta*. Izd. 2, dop. Moskva, Meditsina, 1965. 22 p., illus., chart (insert) (DNLM)

Moscow. Tsentral'nyi nauchno-issledovatel'skii institut fizicheskoi kul'tury. [Physical culture as a source of long age] *Fizicheskaya kul'tura - istochnik dolgoletiya*. Moskva, Fizkul'tura i sport, 1965. 293 p.

## PHYSICAL GEOGRAPHY

(see also subdivision under Abkhazia; Antarctic regions; Central Chemozem region; Georgia; Mirnyy Station region, Antarctica; Obukhov Hills, Antarctica; Vitim Plateau; West Siberian Plain)

Interaction of nature and society and present-day geography. A. G. Doskach, I. U. P. Trusov, E. T. Faddoev. *Vop. filoz.* 10 no. 4:104-115 '65.

The law of geographical zoning and its significance for hydrology P. S. Kuzin, *Izv. Vses. geog. ob-va* 97 no. 2:159-162 Mr-Apr '65.

Mil'kov, F. N., and N. A. Gvozdet'skii. [Physical geography of the U.S.S.R.: general survey, the European U.S.S.R., the Caucasus] *Fizicheskaya geografiya SSSR; obshchii obzor, Evropeiskaya chast' SSSR, Kavkaz*. Moskva, Gos. izd-vo geogr. lit-ry, 1962. 475 p.

Relation between the balances of heat and moisture and the intensity of geographic processes. A. A. Grigor'ev, M. I. Budyko. *Dokl. AN SSSR* 162 no. 1:151-154 May '65.

## PHYSICAL MEASUREMENTS

Gutkin, A. M., and I. P. Fedorova. [Errors in physical measurements] *Pogreshnosti pri fizicheskikh izmereniyakh*. Red. I. A. Fomina. Moskva, Energiya, 1964. 28 p.

## PHYSICALLY HANDICAPPED—EMPLOYMENT

(see also subdivision under Saratov Province)

Work recommendations for the physically handicapped working on state farms. A. V. Vashina, D. Grechko, I. Zolinger. *Sots. obshch.* 28 no. 4:25-27 Apr '65.

## PHYSICALLY HANDICAPPED CHILDREN—DICTIONARIES

"Concise defectological dictionary." Reviewed by N. D. Larmachenko. *Sov. pedagog.* 20 no. 4:142-144 Apr '65.

## PHYSICS—AUDIO-VISUAL AIDS

"Use of audio-visual aids in the teaching of physics" by N. M. Shakhmaev. Reviewed by I. U. Znamenskii. *Sov. pedagog.* 20 no. 4:144-145 Apr '65.

## PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—RESEARCH see subdivision under Ukraine

## PHYSICS—STUDY AND TEACHING

Deficiencies in presenting the concept of mass in physics textbooks and programs for secondary schools A. I. Pavlov. *Uch. zap. CHGPI* 3 no. 3:23-38 '62.

Home assignments and the quality of knowledge. S. F. Shilova. *Vech. sred. shkola* 8 no. 2:52-54 Mr-Apr '65.

In the committee on physics. V. Burav. *Sov. pedagog.* 20 no. 5:153-155 May '65.

Let's develop the students' independence. I. I. Linkov. *Vech. sred. shkola* 8 no. 2:31-34 Mr-Apr '65.

Let's teach new data useful for an agriculturist. A. I. Negoroshkov, Sh. S. Mavovich, I. M. Gorichenski. *Vest. vyz. shkoly* 23 no. 1:46-47 Apr '65.

Method of studying the concept of mass in a secondary school physics course A. I. Pavlov. *Uch. zap. CHGPI* 3 no. 3:37-60 '62.

Our suggestions. M. I. Zhilitskii, I. P. Krasnoshchekov. *Vest. vyz. shkoly* 23 no. 1:44-45 Apr '65.

Physics classes at the plant. E. A. Oshchuk. *Vech. sred. shkola* 8 no. 2:11-16 Mr-Apr '65.

The Physics faculty of the V. I. Lenin Tashkent State University B. G. Smirnov. *Nauch. trudy TashGU* no. 262. *Fiz. nauki* no. 2:3-12 '64.

Physics in a textile workers school. I. U. P. Zhukov. *Vech. sred. shkola* 8 no. 2:46-48 Mr-Apr '65.

Physics in district schools. G. I. Keitmann. *Vech. sred. shkola* 8 no. 2:31-39 Mr-Apr '65.

Physics in women schools. N. P. Savorov. *Vech. sred. shkola* 8 no. 2:40-41 Mr-Apr '65.

Practical work on physics in the 8th grade. M. I. Boi-sova. I. P. Nostorenko. *Vech. sred. shkola* 8 no. 2:50-52 Mr-Apr '65.

Student works as a laboratory technician. Z. Sh. Zinatulina. *Vest. vyz. shkoly* 23 no. 4:37-38 Apr '65.

We can agree with it. A. V. Kornov, A. M. Kutsenko. *Vest. vyz. shkoly* 23 no. 4:45 Apr '65.

What the practice of Novosibirsk tells us. R. I. Solovukhin. *Vest. vyz. shkoly* 23 no. 4:40-43 Apr '65.

## PHYSIOLOGICAL APPARATUS

Technique of studying motor conditioned reflexes in man. V. A. Lekakia. *Fiziol. zhurn* [Ukr.] 9 no. 1:131-135 Ja-F '63.

Tensometric transistor amplifier R. S. Orlov, O. E. Guzev. *Biol. obshch. biol. med.* 50 no. 4:117-118 Apr '65.

Use of the Belan apparatus for the examination of the dynamics of gas metabolism in healthy persons. O. V. Vinogradskii, P. O. Vlasitskii. *Voen.-med. zhurn.* no. 8:80-83 '64.

## PHYSIOLOGICAL CHEMISTRY

Studying the autolytic and denaturizing transformations in the muscles during the storage of poultry meat. P. E. Pavlovskii, M. P. Gligoleva. *Izv. vuz. ucheb. zav., biokh. tekhn.* no. 2:61-61 '65.

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

## PHYSIOLOGY

Esti NSV Tadamie Akademi, Eksperimental'biologiya Institut. [Studies of animal physiology] *Issledovaniya po fiziologii zhivotnykh*, Tallinn, 1964. 138 p.

In the Scientific Council at the Academy of Sciences of the Ukrainian S.S.R. on the problem: "Physiology" A. Z. Kolchynska, O. I. Vyshatna. *Fiziol. zhurn* [Ukr.] 9 no. 1:138-142 Ja-F '63.

Muscular activity, active rest and regulation of blood circulation, respiration and energy metabolism in young and elderly persons. I. V. Muravov. *Vop. geront. i geriat.* 4:40-53 '65.

## PHYSIOLOGY—RESEARCH see subdivision under Kharkov

## PHYTOGEOGRAPHY

see subdivision under Abkhazia; Georgia; Latvia

PHYTOGEOGRAPHY—CONGRESSES

First intercollegiate Conference on Geobotanical Zoning of the U.S.S.R. I. G. Rustamov. *Izv. AN Turk. SSR. Ser. Biol. nauk* no. 2:90 '65.

## PHYTOGEOGRAPHY—MAPS

On the history of phytogeographical cartography in the U.S.S.R., brief information. E. V. Shifera. *Bot. zhurn.* 50 no. 4:576 Apr '65.

## PHYTOGEOGRAPHY—RESEARCH

Leningrad, Universitet. [Soil and geobotanical research in the Northwest of the U.S.S.R.] *Agropochvennoye i geobotanicheskoye issledovaniya Severo-Zapada SSSR, sbornik stat.* [Leningrad] 1965. 134 p.

## PHYTONCIDES

Onion, its physiological activity and its use in clinical treatment. N. S. Kharachenko. *Trudy Khar. med. inst.* no. 36:293-297 '57.

Protective plant forces in the struggle against tobacco mosaic virus. K. N. Dushkova. *Infek. zab. kul't. rast.* Mold. no. 1:67-68 '62.

Some data on the effect of onion phytoncides. V. A. Kutsievich. *Trudy Khar. med. inst.* no. 36:299-303 '57.

## PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

## PHYTOPATHOGENIC FUNGI see Fungi, Phytopathogenic

## PIAGET, JEAN, 1896-

Connection between logic and psychology in Jean Piaget's system. N. I. Nepomniashchaya. *Vop. filoz.* 19 no. 4:135-144 '65.

## PIANZIN, IVAN

As an example to posterity. V. Nikolaev. *Voen. znan.* 41 no. 3:12-13 Mr '65.

## PICROMERITE see subdivision under Carpathian Mountain region

## PIEZOELECTRIC SUBSTANCES

Glozman, I. A. [Piezoceramics in electronic technology] *Piezokeramicheskie materialy v elektronnoi tekhnike*. Moskva, Energiya, 1965. 191 p.

Use of the piezoelectric effect of rocks for underground studies of piezoelectric bodies M. P. Volarovich, G. A. Sobolev. *Dokl. AN SSSR* 162 no. 3:556-558 May '65.

## PIEZOMETER

Piezographic examination of ocular pulse in schizophrenia patients following amphetamine treatment. P. G. Petrochenkov. *Vop. klin., patol. i lech. shiz.* no. 1:108-111 '64.

## PIGEONS see subdivision under Amu Darya Valley

## PIGMENTS

Role of the nervous system in pigmentation changes and some internal organs in amphibians during overheating. M. S. Tkachenko. *Trudy Khar. med. inst.* no. 36:375-380 '57.

## PIKAS see subdivision under Pechora Valley

## PILING (CIVIL ENGINEERING)

(see also subdivision under Bashkiria)

Flexible pile foundations. G. F. Shishkanov. *Stroitel'stvo* 8 no. 2:30-31 F '65.

Foundations of tubular piles with earth cores. V. A. Maslov, M. D. Tul'chinskii. *Trudy TSNIIS* no. 58 83-98 '65.

Impact of a pile-driving hammer. N. V. Trubnikov. *Trudy TSNIIS* no. 56:148-170 '65.

Norms of the calculated resistance of piles along the ground A. A. Luga. *Trudy TSNIIS* no. 56:105-114 '65.

S-74 pile driving unit. B. V. Goncharov, N. E. Demin, V. D. Pashchenko. *Stroitel'stvo*, 8 no. 1:15-16 Ja '63.

Settling of pile foundations performing under conditions freed from interconnecting effect. A. A. Luga. *Trudy TSNIIS* no. 56:71-82 '65.

## PILOT BALLOONS see Balloons, Pilot

## PIMELIC ACID

Mechanism and kinetics of styrene polymerization in the presence of polymeric peroxide of pimelic acid N. S. Tsvetkov, E. S. Belotskaia. *Ukr. khim. zhurn.* 31 no. 4:387-392 '65.

Thermal conversion of succinic acid into  $\gamma$ -ketopimelic acid B. L. Moldavskii, M. V. Blinov. *Neftokhimiya* 5 no. 1:108-110 Ja-F '65.

## PINE

(see also subdivision under Armenia; Don Valley; Kazakhstan; Shan Mountains; Swan Lake region; Siberia; Tambov Province)

Effect of phosphorus organic insecticides on the carbohydrate metabolism in pine needles, preliminary report. I. I. Puchkova. *Khim. v sel'sk. khoz.* 3 no. 3:34-37 Mr '65.

Resin productivity of southern pine species. A. V. Gordeev, V. V. Lugvishchik. *Gidroliz. i lesokhim. prom.* 18 no. 3:17-18 '65.

Tapping of pine plantations of the fourth and fifth class in northern regions. P. P. Pavlov, V. A. Shulgina. *T. I. Podoprigitina Gidroliz. i lesokhim. prom.* 18 no. 3:22-23 '65.

## PINE—DISEASES AND PESTS see subdivision under Bashkir Preserve

## PINE BREEDING see subdivision under Volga Valley

## PINENE

Isomerization of  $\alpha$ -pinene and  $\Delta^3$ -pinene oxides with lithium diethylamine. B. A. Arbutov, Z. G. Isaeva, I. S. Andreeva. *Izv. AN SSSR. Ser. khim.* no. 5:838-843 '65.

Use of polychloroprene in placicultural transformation of small lakes of the White Russian S.S.R. P. S. Neviadomskaya. *Vestn. AN BSSR. Ser. biol. nav.* no. 1. 116-119 '65.

## PINSK—TRANSPORTATION, AUTOMOTIVE—AUDITING AND INSPECTION

How we analyze the work in an automotive transportation unit I Kryz'. Bukhizh uchit 21 no 10,41-43 O '64

## PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Voronezh)

Chubarov, L. A. [Keep it so, Kozhedub Pioneers!] Tak derzhat' kozhedubovtsy! [Moskva] Molodaja gvardia, 1965 125 p. (Dlia tekhn. i kto rabotaet s pionerami)

Educational diary of a Pioneer detachment V. Shilvint, Nar obr 5 no 71-76 My '65

In the "Leader's school" N. I. Strelakova'ska Rad shk 44 no 5 72-73 My '65

Lenin's name is in every heart! O. M. Zubkova Nach shkola 33 no 2 10-14 F '65

Pioneer detachments based on interests S. H. Zaslava'ska Rad. shk 43 no 4 57-60 Ap '65

## PIPE—EXHIBITIONS

Topical exhibition "New types of pipe and their production by modern methods." L. S. Savoskina, I. V. Kidro, Met. i gornorud. prom no 2:86-87 Mr-Apr '65.

## PIPE—HYDRODYNAMICS

Calculating natural vibration frequencies of a liquid in compound piping. N. P. Belik. Izv. vya. ucheb. zav., av. tekhn. 8 no. 2:3-8 '65.

Effect of the transverse flow turbulence on the heat transfer and resistance of pipe bundles with longitudinal and spiral ribs V. N. Antuf'ev, E. K. Gusev Trudy LTITSBP no 11 129-133 '64

Heat transfer and resistance of pipe bundles with longitudinal ribs in a transverse flow V. N. Antuf'ev, E. K. Gusev Trudy LTITSBP no. 14 134-144 '64

Studying the flow around staggered bundles of pipes with smooth and rough surfaces in a transverse flow. F. M. Iofhmedov, V. B. Kuntyshev Trudy LTITSBP no. 14:151-157 '64

## PIPE—WELDING

Radio frequency welding of pipe. E. Ia. Gol'denberg, Met. i gornorud. prom. no. 2:85 Mr-Apr '65.

## PIPE, ALUMINUM

Aluminum alloy drill pipe M. M. Novikov Bezop truda v prom 9 no 4:17-19 Ap '65

Effect of an alternating stressed state diagram on the mechanical properties of metal IU. F. Shevakin, M. V. Popov, F. S. Seidaiev. Izv. vya. ucheb. zav.; Chern. met 8 no 5:82-84 '65.

Possibilities of using aluminum pipes in the construction of oil and gas pipelines A. M. Alekseev Stroil. truboprov. 10 no 2 8-10 F '65

## PIPE, ASBESTOS-CEMENT

Carrying capacity of asbestos-cement pipelines under simultaneous external loads and internal pressure. A. D. Aliferenkov. Stroil. truboprov. 10 no 2 11-13 F '65

New pipes and sleeves made of asbestos cement. O. S. Nalpin, Prom. Arm. 8 no 3:35-37 Mr '65

## PIPE, ASBESTOS-CEMENT—STANDARDS

Comments on the new All-Union State Standards project for asbestos-cement pipes L. A. Kats Stroil. truboprov. 10 no 2 33-35 F '65

## PIPE, CLAY—PERMEABILITY

Ways of eliminating the water permeability of clay sewer pipes B. V. Lebedev, D. N. Polubotarinov, R. M. Zalonts Stek i ker 28 no. 4:29-33 Ap '65.

## PIPE, CONCRETE

Precast pressureless reinforced concrete pipes with diameters ranging from 300 to 1500 mm. IU. Ianko, T. Shul'ga. Prom. stroil. i inzh. soor 6 no 2:57-58 Mr-Apr '64

## PIPE, PLASTIC

Tolerances for the external diameter of pressure pipes made of high-density polyethylene. G. I. Shapiro, S. I. Gelsas, Standartizatsia 20 no. 3:12-16 Mr '65.

## PIPE, STEEL

Economic aspects of the manufacture and use of high quality rolled products. A. V. Emel'yanov, M. N. Seredenko, M. F. Kugushev. Met. i gornorud. prom. no. 2:32-33 Mr-Apr '65.

Use of compartment-type furnaces for the heat treatment of high pressure pipe. E. S. Palatnikova Metallurg 10 no. 3:29-30 Mr '65

## PIPE, STEEL—CLEANING

Lipkin, Ia. N., A. M. Sokol, and O. I. Shkola. [Ultrasonic cleaning of pipes] Ultrazvukovaya oshistka trub. Leningrad, 1965. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Elektrofizicheskie i elektrokhimicheskie metody obrabotki metallov)

## PIPE, STEEL—CORROSION

(see also subdivision under Stavropol Territory)

Dependence of the corrosion of a steel gas pipeline on changes in ground conditions along its route. E. A. Nikitenko, Zashch. met. 1 no. 1:91-98 Ja-F '65.

## PIPE, TITANIUM—WELDING

Flash butt welding of titanium alloy pipe D. P. Shevtanov Svar. proizv no 3:21-22 M '65

## PIPE BENDING

Shape of machine bent pipes. A. F. Solomatina. Izv. vya. ucheb. zav., mashinostr no 4:178-187 '65.

## PIPE FITTING

Producing welded piping blocks in plants for thermal elect. in power stations. A. V. Kozlov, M. R. Nikolaenko. Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:35-38 Mr '65.

## PIPE FLANGES—WELDING

Welding flanges to pipes simultaneously with two welds. A. M. Loshakov and others. Svar. proizv no. 3:31-32 Mr '65

## PIPE INDUSTRY see subdivision under Chelyabinsk,

Volga-Vyatka Economic region

## PIPE JOINTS

Recovery of pipes with welded semi-joints. I. P. Pustovoi-tenko, S. V. Katkov Burenie no. 4:9-11 '64

## PIPE JOINTS—RELIABILITY

Increasing operating reliability of piping joints. A. F. Metelkin, IU. I. Pavlov. Izv. vya. ucheb. zav., mashinostr. no. 4:45-53 '65.

## PIPE MILLS

(see also subdivision under Nikolai, Ukraine)

Effect of physico-mechanical factors of the centrifugal casting process on the quality of the metal of hollow steel pipe billets. N. V. Rulla, IU. G. Solov'ev, V. A. Chizh. Met. i gornorud. prom. no. 2:44-48 Mr-Apr '65.

Experimental investigation of power consumption in cold pipe rolling. V. I. Sokolovskii, V. A. Postnikov. Izv. vya. ucheb. zav., mashinostr. no 1 212-217 '65.

Production of high strength pipe from VT15 alloy using thermomechanical treating. A. I. Khorev. TSvet. met. 38 no. 4:87-89 Ap '65.

Speed conditions in the process of roller expansion of tubes IU. F. Shevakin, V. S. Shatkevich, F. S. Seidaiev Izv. vya. ucheb. zav.; Chern. met. 8 no. 5:88-104 '65

## PIPE MILLS—EQUIPMENT AND SUPPLIES

Automation of the stamping of markings on hot pipe. Met. i gornorud. prom. no. 2:81 Mr-Apr '65.

## PIPELAYING MACHINERY

Means for improving surface pipe laying. L. G. Telagin Stroil. truboprov 10 no 2:6-8 F '65.

More exact representation of the requirements in the machines and mechanisms for pipeline construction. Stroil. truboprov 10 no 2 32-33 F '65.

## PIPELAYING MACHINERY—SAFETY MEASURES

Danilov, P. P. [Safety manual for pipe layers] Pamiatka po tekhnike bezopasnosti dlia mashinistov-truboukladchikov, Moskva, Stroizdat, 1965. 28 p. (Tekhnika bezopasnosti v stroitel'stve)

## PIPELINE TRANSPORTATION OF SOLIDS—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp. no. 5 My '65.

## PIPELINES

Carrying capacity of asbestos-cement pipelines under simultaneous external loads and internal pressure A. D. Aliferenkov Stroil. truboprov 10 no 2 11-13 F '65.

Possibilities of using aluminum pipes in the construction of oil and gas pipelines A. M. Alekseev Stroil. truboprov. 10 no. 2:8-10 F '65.

Reduction of the distance between underground networks can be done only under exceptional conditions. A. V. Nikitiuk. Stroil. truboprov. 10 no 2 35 F '65.

Technology of earthwork and soil compaction in the laying of underground pipelines. E. M. Ostrovskii. Stroil. i arkh. it. Sred. Az. 1 no. 9:40-43 S '64.

## PIPELINES—CATHODIC PROTECTION

Protecting underground oil and gas pipelines from corrosion P. A. Spirin. Izv. vya. ucheb. zav., nefi i gaz 8 no 3 10 '65.

## PIPELINES—CORROSION

Anti-corrosive material for protecting main petroleum and gas pipelines. A. M. Zinevich, A. A. Kozlovskaya. Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:18 Mr '65.

## PIPELINES—FLUID DYNAMICS

Determining the coefficient of hydraulic resistance in case of fluid flow in pipelines. I. B. Burtev, A. P. Telkov. Izv. vya. ucheb. zav., nefi i gaz 8 no. 3: 81-84 '65.

Studying the movement of air accumulation in pipelines. N. P. Iakovlev. Trudy VNIIGM 44:52-60 '64.

## PIPELINES—WELDING

Welding assembled units to a pipeline after blowing gas through it G. M. Chechik Stroil. truboprov. 10 no 2 27-28 F '65

## PIPERAZINIUM COMPOUNDS

Hofmann degradation of 1,1-bis(pentamethylene) piperazinium chloride by means of a methanol solution of caustic potash. M. V. Rubtsov, L. N. Tikhonov, T. I. Mikhailina Zhur. ob khim. 35 no 4:621 Ap '65

## PIPERIDINE

Oxydo compounds Part 10: Interaction of monoalkyl-substituted glycidols with aniline and piperidine V. I. Pansevich-Kolinda, T. A. Gulysheva Zhur. org. khim 1 no 1:172-174 Ja '65

Polarographic method of studying copolymerization of methyl acrylate with 2-methyl-5-vinylpiperidine V. D. Bezuglyi, T. A. Alekseeva. Ukr. khim. zhur. 31 no 1 392-397 '65

## PIPERIDINECARBOXYLIC ACID

New stable iminoxy radicals E. G. Rozantsev and others. Izv. AN SSSR. Ser. khim. no. 3:572-573 '65.

## PIPTANTHUS

Wood and leaf structure in Piptanthus D. Don and Ammopiptanthus Cheng F. N. V. Shilova. Bot. zhur. 50 no. 3:390-403 Mr '65.

## PISTON RINGS

Design of the shape of free piston rings. A. Ia. Aleksandrov Vest. mashinostr 46 no. 4:30-33 Ap '65

Hollow steel piston rings. A. Chapayev and others. Avi. transp. 43 no. 4 30-33 Ap '65

## PISTON RINGS—TESTING

Testing graphite rings in the main engine of the motor-ship "Marshal Govorov." P. I. Udiakul, S. Savin, P. Egorov. Mor. flot 25 no. 5:34-35 My '65.

## PISTONS—COSTS

Economic efficiency in the increase of the life time of the piston of a drill pump. B. A. Naimark, A. S. Nikolich, L. S. Shytkova. Mash. i nef. obor. no. 2 24-27 '65.

## PISTONS—THERMAL PROPERTIES

Value of the coefficient of heat transfer in determining the temperature of the piston of an internal combustion engine. A. V. Kostrov. Avi. prom. 31 no. 5:4-7 My '65.

## PITCH

Practice in starting a new pitch coke unit. I. S. El'khud. Koks i khim no 1:40-42 '65.

## PITUITARY BASOPHILISM see Cushing syndrome

## PITUITARY BODY

Adrenocorticotrophic activity of hypophysis and the reactivity of adrenal glands to ACTH at different time after partial decortication of brain hemispheres in rats. I. I. Ivannova, Nauch. dokl. vya. shkoly, biol. nauki no. 2:64-68 '65.

Characteristics of the neurosecretory-hypophyseal system in amphibia with different rate of metamorphosis. A. A. Volkovich. Biol. MOIP. Old. biol 70 no 2:90-105 Mr-Apr '65

Effect of extract taken from a mammary gland tumor on the folliculo-stimulating function of the hypophysis in rats I. O. Smirnova, V. I. Samoilov. Biol. eksp. biol. i med. 50 no 4:92-94 Ap '65

Effect of some amino acids on the function of the hypophysis-adrenal cortex system. N. A. Udintsev. Ukr. biokhim. zhur. 37 no. 1 117-121 '65.

Effect of stimulation of the brain on functional interrelations between the ovaries and the hypophysis L. S. Plakhotina. Fiziol. zhur. [Ukr.] 9 no. 1:125-128 Ja-F '63.

Functional and morphological changes in the hypothalamus-hypophysis system under the effect of the neurotropic drug ethylnoramfetamine. V. E. Ryshchenko, S. A. Tsol. Biol. eksp. biol. i med 50 no. 4:64-68 Ap '65.

Properties of hypophyseal colloids. A. A. Volkovich. Probl. endok. i gorm. 11 no. 1:95-102 Ja-F '65.

Role of the hypophysis in the development of hypertrophy of the adrenal glands in hypervitaminosis A in rats. A. O. Natanson, N. I. Mitashova, A. V. Chuvpav. Probl. endok. i gorm. 11 no. 1:87-92 Ja-F '65.

## PITUITARY BODY—DISEASES

Simmonds-Sheehan hypopituitary syndrome. M. A. Kopelovich, E. P. Tikhonova. Probl. endok. i gorm. 11 no. 1:45-64 Ja-F '65.

## PITUITARY BODY—INNERVATION

Effect of the stimulation and removal of the uterus on the gonadotrophic functions of a desympathized hypophysis. O. P. Lisagor. Trudy Khar. med. inst. no. 361 77-83 '67.

## PITUITARY EXTRACT

Influence of hypophyseal preparations on the effect of some depressor and pressor agents. E. N. Berger. Trudy Khar. med. inst. no. 36:285-289 '67.

## PITUITRIN

Mechanisms of the natriuretic effect of pituitrin IU V. Naizhin, *Fiziol. zhur.* 51 no. 3:357-362 Mr '65

## PLACENTA

Biochemical and histochemical research on placental proteins in late pregnancy toxemia E M Iur'ev, V. I. Leitan, V. K. Balashuk *Akush. i gln.* 40 no. 5:57-61 S-O '64

Characteristics of the structure of the human placenta in prolonged pregnancy. O. I. Topolnaya, Z. P. Zhenkova, *Akush. i gln.* 40 no. 5:51-57 S-O '64

Content of nucleic acids and mucopolysaccharides in the placenta in isoenzymic incompatibility of maternal and fetal blood, a histochemical study. A. F. Iakovtsova *Atkh. pat.* 27 no. 5:39-42 '65

Experimental study of transplacental transmission of tetanus antitoxin M. N. Fontis, E. K. Lenta, I. A. Mrav'lan *Zhur. mikrobiol., epid. i immun.* 41 no. 11:30-39 N '64

## PLACENTA—BLOOD SUPPLY

Spiral vessels of the placenta V. G. Vartapetova, *Akush. i gln.* 40 no. 5:52-54 S-O '64

## PLACENTA—DISEASES

Pathomorphological changes in the placenta following some virus infections in vitro. N. A. Maksimovich, Yu. N. Andrianova, *Dokl. AN SSSR* 162 no. 4:937-939 Je '65

## PLACER DEPOSITS

(see also subdivision under Dnieper Valley)

Correlation of the scales of indigenous and placer gold potentiality in various gold-bearing provinces of the world. S. D. Sher. *Sov. geol.* 8 no. 3:3-9 '65

Review of the book by V. G. Leshkov "Dredging operations in deep placer deposits" S. F. Belikov, G. D. Verkhovturov, K. V. Belomestnov, *Gor. zhur.* no. 5:78 My '65

PLAGIOCLASE see subdivision under Volyn' Province

## PLAGUE

Effect of vitamin B<sub>12</sub> deficiency in food on the susceptibility of albino rats to plague infection G. G. Korobkov, I. E. Tseschenko, *Vop. pit.* 23 no. 5:67-70 S-O '64

Serological indices of the immunogenicity of live plague vaccine under experimental conditions. N. N. Basova, I. G. Gerasimuk, I. S. Tinker, *Zhur. mikrobiol., epid. i immun.* 42 no. 4:33-37 Ap '65

## PLAGUE—MICROBIOLOGY

Problems of the ecology of plague and pseudotuberculosis microbes. Report No. 1. Carbohydrate and nitrogen nutrition of the rodent pseudotuberculosis pathogen. N. L. Klassovskii, L. M. Osadchaya, V. S. Petrov, *Zhur. mikrobiol., epid. i immun.* 42 no. 4:37-41 Ap '65

## PLAGUE—PREVENTIVE INOCULATION

Effectiveness of the immunization with live plague vaccine through scarified skin. M. M. Palibich *Zhur. mikrobiol., epid. i immun.* 41 no. 10:125-130 '64

Study of pest-allergen produced by the Tatarskii State Control Institute on animals and volunteers. Report No. 2 M. D. Prindkina, V. I. Gavrilukova, E. A. Chornova, *Zhur. mikrobiol., epid. i immun.* 42 no. 4:27-33 Ap '65

PLANE TREE see subdivision under Caucasus

## PLANETARY NEBULAE—SPECTRA

Neutral oxygen lines in planetary nebulae. G. S. Khramov, *Astron. zhur.* 42 no. 3:543-551 My-Ja '65

## PLANETS, MINOR

Possibility of the heating of bodies of the size of asteroids by long-lived radioactive elements. S. V. Maeva, *Izv. Kom. po fiz. plan.* no. 4:40-44 Ag '63

## PLANIMETER

A photoelectric mining stereoplanimeter. V. S. Khokhrakov, K. I. A. Ragozin, A. E. Trop, *Izv. vyz. ucheb. zav., gor. zhur.* 8 no. 2:53-58 '65

## PLANTING MACHINES

Vinogradskii, V. F. [Vacuum planting of seedling pairs in continuous multiple-line processing on automatic lines] Vakuunov baziruvaniye bruskovykh detalей pri mnogopotochnom sposobe obrabotki na avtomaticheskikh liniakh. Moskva, Tsentr. nauchno-issl. i informatsii i tekhniko-ekon. issledovaniya po lesnoi, tselulozno-bumazhnoi, derevobrabatovayushchei promyshli, i lesnomu khoz., 1964, 23 p. (Derevobrabotka) [MICROFILM]

PLANKTON see subdivision under Bering Sea

## PLANKTON RESEARCH

Red seep for quantitative plankton sampling in the bottom layers of shallow waters and overgrowth of aquatic vegetation. V. S. Travianko, *Gidrobiol. zhur.* 1 no. 1:69-70 '65

## PLANT BREEDING

Review of a textbook on plant growing: "Plant breeding" by F. M. Prutkov, V. P. Rubtsova, B. D. Krutchev, Reviewed by P. I. Podgornyi, *Sred. shkola, obr.* 12 no. 4:40-48 Ap '65

## PLANT BREEDING—MATHEMATICAL MODELS

Results of testing mathematical models for the determination of combining ability. N. V. Turbin, L. A. Tatutalina, L. V. Khatylova, *Vestn. AN BSSR Ser. biol. nav.* no. 1:74-81 '65

## PLANT CELLS AND TISSUES

New formation of phenols in injured tissues of potato tubers. O. L. Ozeretskovskaya, N. I. Vasukova, *Dokl. AN SSSR* 161 no. 4:958-970 Ap '65

## PLANT COMMUNITIES

(see also subdivision under Belaya Valley, Chirchik Valley; Denezhkin Kamen'; Turkmenistan)

Phytocoenological problems at the Tenth International Botanical Congress. T. A. Rabotnov, *Biul. MOIP, Otd. biol.* 70 no. 2:149-153 Mr-Apr '65

## PLANT CUTTINGS

Rooting of the summer cuttings of woody plants in various substrates. F. M. Mamedov, *Biul. Glav. bot. sadu* no. 56:88-94 '64

Use of hydroponics in vegetative propagation of orchard plants. M. T. Tarasenko, A. P. Kornatskii, F. G. Sokratova, *Izv. TSKHA* no. 5:118-164 '64

Viability and growth of the stem cuttings of some poplar species and their hybrids in the Svetlyy Yar Forest Working Circle, Stalingrad Province. N. T. Kochkar', *Sbor. nauch. issl. i sb. VMLMI* no. 28:43-47 '60

## PLANT DISEASES

New formation of phenols in injured tissues of potato tubers. O. L. Ozeretskovskaya, N. I. Vasukova, *Dokl. AN SSSR* 161 no. 4:958-970 Ap '65

## PLANT INTRODUCTION

Quality of enzymes and the introduction of plants. A. V. Blagovoshchenskii, *Biul. Glav. bot. sadu* no. 58:13-9 '64

PLANT LICE see subdivision under Murgab Valley; Tashkent region

## PLANT PHYSIOLOGY

Effect of trace elements on the intensity of physiological processes in plants. A. I. Tyutunnikov, V. A. Ponom. *Dokl. Akad. sel'khoz. nauk* no. 3:18-21 Mr '65

Life and work of Professor D. A. Sabinin M. Kh. Chakirkhana *Agrokhimika* no. 3:3-15 Mr '65

Natural growth promoting substances in willow leaves and buds. V. I. Kofel', *Dokl. AN SSSR* 162 no. 2:462-464 My '65

Role of natural auxins and inhibitors in the growth of plants. V. I. Kofel', R. Kh. Turetskaya, *Agrokhimika* no. 1:110-131 Ja '65

Significance of the intermediate contacts of wood vessels in the European ash (*Fraxinus excelsior* L.). G. B. Kartov, *Nauch. dokl. vyz. shkoly, biol. nauki* no. 3:140-147 '65

Soil humus and the life of plants. M. M. Kononova, *Agrokhimika* no. 1:3-12 Ja '65

Some physiological characteristics of tetraploid sugar beets. A. F. Stetsl'makh, *Vestn. AN BSSR, Ser. biol. nav.* no. 1:90-94 '65

## PLANT PHYSIOLOGY—CONGRESSES

Physiological mechanisms connected with the development of potato sprouts. *Agrokhimika* no. 1:111-118 Ja '65

PLANT TUMORS see Tumors, Plant

## PLANTERS (AGRICULTURAL MACHINERY)

Machin for the check row planting of sugar beet seedlings. M. Samoilov and others, *Tekhn. i sel'khoz.* 25 no. 4:43-49 Ap '65

Pneumatic planter. B. I. Zhuravlev, *Trakt. i sel'khoz. mash.* no. 3:42 Mr '65

The SZKP-24 grain combined press planter. A. F. Podkovnik, *Trakt. i sel'khoz. mash.* no. 4:37-38 Ap '65

Theoretical bases of the process of transplanting seedlings. A. A. Cherniak, *Trakt. i sel'khoz. mash.* no. 4:34-35 Ap '65

## PLANTING TIME

Effect of planting time and seed quality on the yield of cauliflower. A. M. Agadzhanian, *Izv. AN Arm. SSR, Biol. nauki* 18 no. 2:21-30 F '65

Formation of the crops of the early and late varieties of rice. T. S. Sultankhodzhaev, *Sbor. nauch. rab. asp. SoluzNIKH* no. 5:338-347 '64

## PLANTS—ABSORPTION OF WATER

"Gravirad", an automatic laboratory installation for long-term continuous recording of changes in the biomass of plants and the simultaneous determination of the amount of water absorbed by their root systems. O. V. Ivanov, *Bot. zhur.* 50 no. 4:517-522 Ap '65

## PLANTS—ASSIMILATION

Assimilation by plants of absorbed bases as related to their composition in soil. M. S. Zhukov, *Agrokhimika* no. 2:76-80 F '65

Characteristics of the translocation of assimilates in potato plants. M. N. Goncharik, M. I. Marshakova, L. P. Rusetskaya, *Dokl. AN BSSR* 9 no. 2:133-135 F '65

Different ability of various legumes to assimilate phosphorus from hard-to-dissolve phosphates. P. A. Dmitrenko, P. I. Vtirikhovskii, *Dokl. Akad. sel'khoz. nauk* no. 3:22-23 Mr '65

Uptake and removal of nutrients by corn as related to the level of nutrition. S. M. Gurevich, I. I. Boronina, *Agrokhimika* no. 1:68-72 Ja '65

Uptake of nitrogen, phosphorus, and potassium by yields of farm crops. A. V. Morozova, *Agrokhimika* no. 2:21-32 F '65

## PLANTS—CHEMICAL ANALYSIS

(see also subdivision under Kopetdag)

Determining the total potassium, sodium, and lithium in plant tissues without combustion. I. A. Glava, A. M. Zin'kovich, I. A. Palanitsa, *Agrokhimika* no. 4:116-117 Ap '65

Effect of wheat grain fat on the combustion heat of grain during its warming. V. V. Ponomarev and others, *Dokl. AN SSSR* 162 no. 4:960-961 Ja '65

Flame photometric and titrimetric methods for determining calcium in plants. D. M. Alekseeva, Pochvovedenie, 5:63-67 My '65

Mineral composition of hay of mountain meadows. S. I. Oganova, *Izv. AN Arm. SSR, Biol. nauki* 18 no. 4:58-62 Ap '65

Nucleopeptides in plants. I. M. Shmakova, N. M. Siaklan, *Dokl. AN SSSR* 161 no. 4:971-974 Ap '65

## PLANTS—COLLECTION AND PRESERVATION

Prevention of the damage of herbaria by insects. K. P. Popov, *Bot. zhur.* 50 no. 3:368-370 Mr '65

## PLANTS—DISEASE AND PEST RESISTANCE

Immunity and chemistry in protecting plants against diseases and pests. M. S. Danin, *Izv. TSKHA* no. 5:165-177 '64

Mechanism of the activation of peroxidase in an infected tissue of immune plants. B. A. Rubin, T. M. Ivanova, M. A. Davydova, *Prkt. biokhim. i mikrobiol.* 1 no. 1:25-34 Ja-F '65

Protective plant forces in the struggle against tobacco mosaic virus. K. N. Dashkeeva, *Infek. zab. kul't. rast. Mold.* no. 1:67-80 '62

## PLANTS—FROST RESISTANCE

Characteristics of resistance and winter hardness of winter wheat and rye. D. F. Protasenko, L. D. Ostapchuk, *Nauch. dokl. vyz. shkoly, biol. nauki* no. 2:148-151 '65

Production of frost resistant varieties of peach. I. M. Radnova, T. S. Vasilenko, *Nauch. dokl. vyz. shkoly, biol. nauki* no. 2:183-196 '65

## PLANTS—IRRITABILITY AND MOVEMENTS

Functional relation between adenosine triphosphate and leaf movement in *Mimosa pudica*. M. N. Lishinova and others, *Dokl. AN SSSR* 161 no. 4:984-987 Ap '65

## PLANTS—METABOLISM

Effect of fertilizer and insecticide mixtures on the carbohydrate and protein metabolism and the development of cotton seedlings in hydromorphic soils. N. I. Kir. *Sbor. nauch. rab. asp. SoluzNIKH* no. 5:202-213 '64

Effect of gibberellin acid on some metabolic aspects in cotton under various conditions of nitrogen and phosphorus nutrition. T. B. Buzanova, *Izv. AN Turk. SSR, Ser. biol. nauk* no. 1:17-21 '65

Effect of phosphorus-potassium fertilizers on the metabolism, yield, and the quality of the grain in kidney beans. I. V. Mosolov, V. A. Aleksandrovskaya, *Agrokhimika* no. 2:65-72 F '65

Effect of the forms of nitrogen fertilizers on the nitrogen and phosphorus metabolism and resistance of plants to low soil temperatures. Z. G. Sycheva, S. N. Diodov, *Agrokhimika* no. 4:56-60 Ap '65

Effect of trace elements and their combinations on the metabolism in cotton. G. A. Radkova, *Sbor. nauch. rab. asp. SoluzNIKH* no. 5:254-263 '64

## PLANTS—NUTRITION

Change in the protein composition of bean seeds as related to the conditions of nutrition. Fan Suan Kkai, Phan Xuan Khai, B. F. Pleskov, *Dokl. AN SSSR* 162 no. 1:216-218 My '65

Effect of the environment on the mineral nutrition of plants. Z. I. Zhurbitikh, *Agrokhimika* no. 3:69-75 Mr '65

## PLANTS—REPRODUCTION

Levina, R. E. [Variety and evolution of the forms of plant reproduction] Mnogobrazie i evolyutsiya form razmnozheniya rastenii. Izd. 2., 1-isp., Moskva, Prosveshchenie, 1964, 65 p.

## PLANTS—RESPIRATION

Reproduction of viral nucleoprotein and the respiration activity in *Lycopersicon esculentum*, *L. hirsutum*, *Nicotiana tabacum*, and *N. glauca* infected with tobacco mosaic virus. T. D. Verderevskaya, M. I. A. Moldovan, *Infek. zab. kul't. rast. Mold.* no. 1:113-121 '62



## PLANTS—TRANSPIRATION

Effect of irrigation methods on the transpiration intensity of cotton. A. A. Almaniiazov, E. E. Uzenbaev. Izv AN Kazakh SSR Ser biol. nauk 3 no. 2:52-55 Mr-Apr '65.

Transpiration of the year-old shoots of woody plants during the cold period of the year. M. D. Nestorovich, B. S. Aliker. Vestsi AN BSSR Ser biol. nauk no. 1 5-10 '65.

## PLANTS—WATER REQUIREMENTS

(see also subdivision under Tedzhen Delta)

Nature of the changes in plant leaf impedance following autocatalytic regimen of water metabolism. V. G. Karmenov, S. N. Meleshchenko, V. N. Savin. Biotsika 10 no. 1:155-160 '65.

## PLANTS, CULTIVATED

[Plant culture]. Ref. zhur. Rast. nos. 10-11 My-Je '65. Avtorizatsionnyy ukazatel' za 1964 g.

## PLANTS, CULTIVATED—EXHIBITIONS

Exhibition on the "History of cultivated plants of our homeland" at the Main Botanical Garden. V. F. Verzhilov, D. V. Gorjunov, E. P. Voronina. Biol. Glav. bot. sada no. 56:82-89 '64.

## PLANTS, EFFECT OF ACETIC ACID ON

Effect of halophenol acids on the oxidative phosphorylation of plants. D. I. Chikanikov, A. M. Makeev, N. N. Pavlova. Khim. v sel'khoz. 3 no. 3:48-52 Mr '65.

## PLANTS, EFFECT OF AMINO ACIDS ON

Free amino acid content in leaves of apple varieties different as to their resistance to scab and their effect on the growth of Fusarium wilt. L. A. Ischenko. Vestsi AN BSSR Ser biol. nauk no. 2:15-20 Mr-Apr '65.

Incorporation of amino acids into plastid proteins of the embryonic wheat tissue. A. A. Mutuskin. Dokl. AN SSSR 161 no. 6:1458-1460 Ap '65.

## PLANTS, EFFECT OF BORON ON

Effect of boron and hydrogen peroxide on the infection of cabbage with clubroot. V. V. Mazin. Biol. Glav. bot. sada no. 56:76-81 '64.

## PLANTS, EFFECT OF CHEMICALS ON

Inheritable changes in winter wheat induced by chemical mutagens. N. N. Zoz, S. I. Karkova. Biol. MOIP, Old Biol. 70 no. 2:124-125 Mr-Apr '65.

Variability of wheat induced by chemical mutagens. N. N. Zoz. Izv. AN SSSR Ser biol. nauk no. 3:432-437 My-Je '65.

## PLANTS, EFFECT OF CHLORIDES ON

Formation of the photosynthesis apparatus and the pycn productivity of photosynthesis of potato plants under various chloride supply. M. M. Hancharyk, V. M. Ivanchanka. Vestsi AN BSSR Ser biol. nauk no. 1:100-105 '65.

## PLANTS, EFFECT OF CHLORINE ON

Effect of potassium and chlorine on the photosynthetic activity of a plant. G. V. Udovenko. Agrokhimia no. 3:116-121 Mr '65.

Uptake, reutilization and some aspects of the physiological effect of chlorine in plants. G. V. Udovenko. Izv. AN SSSR Ser biol. nauk no. 3:368-377 My-Je '65.

## PLANTS, EFFECT OF CINNAMIC ACID ON

Effect of cinnamic acid on some physiological and biochemical processes in cotton. N. B. Palestko. Izv. AN Turk SSR Ser biol. nauk no. 1:9-16 '65.

## PLANTS, EFFECT OF ETHYLENIMINE ON

Change in the rate of chromosome reorganization induced by ethylenimine in the first mitosis of pea rootlets. S. A. Gostinskaia, V. V. Khvostova. Dokl. AN SSSR 162 no. 1:197-200 My '65.

## PLANTS, EFFECT OF FUNGICIDES ON

Effect of TMTD and zinc on the yield and quality of peas. E. N. Ksenzova. Khim. v sel'khoz. 3 no. 3:31-33 Mr '65.

## PLANTS, EFFECT OF GAMMA RAYS ON

Gamma rays and fertility. A. M. Kuzin. Priroda 54 no. 4:25-31 Ap '65.

## PLANTS, EFFECT OF HERBICIDES ON

Effect of herbicides on the quality of strawberries. R. G. Zharokova, T. M. Mukhametiev. Khim. v sel'khoz. 3 no. 3:43-45 Mr '65.

## PLANTS, EFFECT OF HYDROGEN PEROXIDE ON

Effect of boron and hydrogen peroxide on the infection of cabbage with clubroot. V. V. Mazin. Biol. Glav. bot. sada no. 56:78-81 '64.

## PLANTS, EFFECT OF LIGHT ON

(see also subdivision under Ashkhabad region)

Effect of various light conditions on the development and protein content of pea seeds. S. I. Vengrenovskii, A. T. S. Balduv. Dokl. Akad. sel'khoz. nauk no. 2:9-13 F '65.

## PLANTS, EFFECT OF MICROBIAL METABOLITES ON

Effect of tumorigenic metabolites on the growth and development of higher plants. R. M. Galachian. Izv. AN Arm. SSR Ser biol. nauk no. 2:11-19 F '65.

## PLANTS, EFFECT OF MOISTURE ON

Change in the individual elements of the structure of stalks and ears of corn and the yield of corn as related to the moisture and nutrition conditions. M. Bakaev. Shor. nauch. rab. asp. SoluzNIKHI no. 5:79-89 '61.

Effect of moisture and nutrition conditions on the yield of white durum grown for silage. A. Muminov. Shor. nauch. rab. asp. SoluzNIKHI no. 5:100-108 '64.

Effect of saturation and leaching irrigation on the dynamics of nitrogen in salted soils and the study of the amounts and dates of the placement of nitrogen fertilizers for cotton in the Kura-Kalpak ASSR. K. Kurbanaev. Shor. nauch. rab. asp. SoluzNIKHI no. 5:282-294 '64.

Irrigation system for peas in the Golodnaya Steppe. A. Makhambetov. Shor. nauch. rab. asp. SoluzNIKHI no. 5:295-302 '64.

Kushnirenko, M. D. [Water balance and drought resistant of fruit plants]. Vodnyi rezhim i zasukhoustoychivost' plodovykh rastenii. Kishinev, Shtiintsa, 1962. 48 p. (DNAL)

Optimal soil moisture and productivity of wheat plants of various ages. A. I. Zandusev, V. I. Bondarenko, M. M. Povzik. Dokl. Akad. sel'khoz. nauk no. 3:1-8 Mr '65.

## PLANTS, EFFECT OF NITROGEN ON

Availability of nitrogen to the root systems of leguminous and graminaceous species, based on data of a study using the isotope  $N^{15}$ . N. I. Cherepkov. Agrokhimia no. 1:23-27 Ja '65.

Interrelationship among nitrogen-containing substances in the tubers of some potato varieties of White Russia. A. S. Vecher, U. M. Rashletnikova. Vestsi AN BSSR Ser biol. nauk no. 1:95-99 '65.

Transformation of nitrogen compounds in the leaves of tea plant under different conditions of nitrogen nutrition. A. T. Mirzoev. Izv. AN Azerb. SSR Ser biol. nauk no. 1:81-84 '65.

## PLANTS, EFFECT OF PHOSPHATES ON

Plant yield as related to the phosphate content of soil. T. N. Kulakovskaya. Agrokhimia no. 3:43-54 Mr '65.

## PLANTS, EFFECT OF PHOSPHORUS ON

Absorption of phosphorus and phosphorus nutrition of spring wheat. V. A. Novikov, I. N. Kazanskaya, I. A. Podvalova. Agrokhimia no. 4:61-66 Ap '65.

Effect of the increased concentrations of phosphorus on the growth, development, and yield of cotton. A. Mannaeva. Shor. nauch. rab. asp. SoluzNIKHI no. 5:171-186 '61.

Effect of the low temperature of the soil during the period of germination on the absorption and assimilation of  $P^{32}$  by wheat seedlings. D. A. Dulbinskaya, V. I. Uzenasov. Agrokhimia no. 2:73-75 F '65.

Exudation and absorption of  $P^{32}$  by pine and birch roots under foliar feeding in pure and mixed stands. I. I. Mashinskiy. Agrokhimia no. 3:91-96 Mr '65.

## PLANTS, EFFECT OF PHOSPHORUS ORGANIC COMPOUNDS ON

Effect of phosphorus organic insecticides on the carbohydrate metabolism in pine needles, petroleum, and report. I. I. Puchkova. Khim. v sel'khoz. 3 no. 3:34-37 Mr '65.

Effectiveness of phosphorus organic defoliant in Samarkand Province. T. I. A. Baboev. Shor. nauch. rab. asp. SoluzNIKHI no. 5:221-228 '64.

## PLANTS, EFFECT OF POTASSIUM ON

Disorganization of energy metabolism in roots suffering from potassium deficiency. A. Kuranov and others. Dokl. AN SSSR 162 no. 1:211-214 My '65.

Effect of potassium and chlorine on the photosynthetic activity of a plant. G. V. Udovenko. Agrokhimia no. 3:116-121 Mr '65.

Effect of the forms of potassium fertilizers on crop yields in light soils of Vladimir Province. D. A. Altunov. Agrokhimia no. 4:118-120 Ap '65.

## PLANTS, EFFECT OF RADIATION ON

Characteristics of the development of cotton in the second and third generations from irradiated seeds. M. A. Atazhanov. Dokl. Akad. sel'khoz. nauk no. 3:16-17 Mr '65.

## PLANTS, EFFECT OF RADIOACTIVITY ON

Belov, E. M., and V. T. Kruglov. [Protecting farm animals and plants against radioactive dust; safety manual for collective farm chairmen, state farm directors, field crew foremen, and farm managers]. Zashchita sel'skokhoziaistvennykh zhivotnykh i rastenii ot radioaktivnoi pyli; pamiatka dlia prodadatel' kolhozov, direktorov sovkhovov, brigadirov i upravlatel'shtikh ferm. Moskva, Kolos, 1964. 16 p. (DNAL)

## PLANTS, EFFECT OF SOIL ACIDITY ON

Effect of the acid reaction of the environment on plants. N. A. Kolosova. Agrokhimia no. 2:81-86 F '65.

## PLANTS, EFFECT OF SOIL MOISTURE ON

Characteristics of the shoot formation of *Pinus pratensis* L. depending on soil moisture. G. P. Sorain. Bot. zhur. 50 no. 3:125-129 Mr '65.

## PLANTS, EFFECT OF SOIL TEMPERATURE ON

Effect of the forms of nitrogen fertilizers on the nitrogen and phosphorus metabolism and assimilation of plants at low soil temperatures. Z. F. Sycheva, S. N. Dvornov. Agrokhimia no. 1:56-60 Ap '65.

## PLANTS, EFFECT OF STRONTIUM ON

Biogeochemistry of strontium. V. V. Koval'skii, E. T. Zaslavina. Agrokhimia no. 1:78-88 Ap '65.

## PLANTS, EFFECT OF TANNING MATERIALS ON

Role of tanning substances in rendering salts harmless to grapevines. G. Z. Berzenko, M. Kh. Avakholdzhiev. Uzb. biol. zhur. 9 no. 2:82-83 '65.

## PLANTS, EFFECT OF TEMPERATURE ON

Aftereffect of temperature on the metabolism of carbon ( $C^{14}$ ) in Chlorofila pyrenoidosa Chick. T. A. Glagoleva, N. S. Mamonkina. O V. Zaitenskii. Bot. zhur. 50 no. 4:161-172 Ap '65.

Dynamics of temperature optima in *Gagea lutea* (L.) Ker-Gawl. during dormancy. T. K. Goryshina. Nauch. dokl. vyz. shkoly, biol. nauk no. 2:136-139 '65.

Effect of the low temperature of the soil during the period of germination on the absorption and assimilation of  $P^{32}$  by wheat seedlings. D. A. Dulbinskaya, V. I. Uzenasov. Agrokhimia no. 2:73-75 F '65.

Effect of wheat grain fat on the combustion heat of gliadin during its warming. V. V. Ponomarev and others. Dokl. AN SSSR 162 no. 4:960-961 Je '65.

Relation between the intensity of photosynthesis and temperature gradients. V. S. Shalidov. Izv. AN SSSR Ser biol. nauk no. 3:368-370 My-Je '65.

## PLANTS, EFFECT OF TRACE ELEMENTS ON

(see also subdivision under El'bus Mountain region; Siberia; Soviet Far East)

Effect of boron and manganese on the dynamics of translocation and distribution of  $C^{14}$ -glucose in plants. V. S. Saakov. Dokl. AN SSSR 162 no. 2:468-469 My '65.

Effect of fertilizers PMU-7 containing zinc besides several other trace elements on the yield of farm crops. G. I. Mokichev, G. M. Ignatovich. Khim. v sel'khoz. 3 no. 3:24-26 Mr '65.

Effect of phosphorus, magnesium, potassium and calcium on the outflow of sugars from leaves and on their translocation in the bark of a stem. M. G. Abutlybov, S. Rakhmanova. Izv. AN Azerb. SSR Ser biol. nauk no. 1:3-11 '65.

Effect of trace elements and their combinations on the metabolism in cotton. G. A. Rafikova. Shor. nauch. rab. asp. SoluzNIKHI no. 5:254-263 '61.

Effect of trace elements on the intensity of physiological processes in plants. A. I. Tutunov, V. A. Pionin. Dokl. Akad. sel'khoz. nauk no. 3:10-21 Mr '65.

Effect of trace elements on the uptake and translocation of  $C^{14}$ -labeled 2,4-D in plants. S. M. Mashtakov, V. P. Deeva. Agrokhimia no. 3:127-131 Mr '65.

Effect of trace elements on the yield and chemical composition of buckwheat. I. P. Alaput, S. I. Kaimina. Agrokhimia no. 3:122-126 Mr '65.

## PLANTS, EFFECT OF 2,4-D ON

Effect of the vapors of 2,4-D butyl ester on trees and shrubs. A. M. Il'in. Nauch. dokl. vyz. shkoly, biol. nauk no. 2:170-172 '65.

Effect of trace elements on the uptake and translocation of  $C^{14}$ -labeled 2,4-D in plants. S. M. Mashtakov, V. P. Deeva. Agrokhimia no. 3:127-131 Mr '65.

Effect of 2,4-D on the oxidative phosphorylation of mitochondria isolated from plants of different taxonomic groups. N. I. Akushkina, T. V. Likhofat. Dokl. AN SSSR 161 no. 4:975-977 Ap '65.

Physiological heterogeneity of corn varieties as related to the use of 2,4-D. F. L. Kitmanchevskii. Khim. v sel'khoz. 3 no. 3:40-43 Mr '65.

Sensitivity of Nordmann's fir and Douglas fir to 2,4-D. M. V. Shashkova. Shor. nauch. rab. no. les. khoz. no. 46:260-273 '63.

## PLANTS, EFFECT OF ULTRASONIC WAVES ON

Ultrasonic as a mutagenic factor. T. I. A. Zaiuballo, M. M. Kisluk. Biol. VIR no. 10:26-28 '62.

PLANTS, EFFECT OF ULTRAVIOLET RAYS ON see subdivision under Aragats, Mount

## PLANTS, EFFECT OF UREA ON

Effect of the foliar feeding of winter wheat with urea on the quantity and fractional composition of proteins in the grain. V. G. Mineev. Agrokhimia no. 1:34-41 Ja '65.

Role of urea in plants and its assimilation by the root system. P. N. Pyl'neva. Agrokhimia no. 1:20-33 Ja '65.

## PLANTS, EFFECT OF VITAMINS ON

Effect of zinc and vitamins B<sub>1</sub> and B<sub>6</sub> on the incorporation of  $C^{14}$ -tyrosine into proteins. M. I. A. Siskol'skii, V. N. Davydova. Dokl. AN SSSR 161 no. 6:1405-1406 Ap '65.

## PLANTS, EFFECT OF ZINC ON

Effect of fertilizers PMU-7 containing zinc besides several other trace elements on the yield of farm crops. G. L. Mokrievich, G. M. Ignatovich. Khim. v sel' khoz. 3 no. 3:22-26 Mr '65.  
Effect of zinc and vitamins B<sub>1</sub> and B<sub>6</sub> on the incorporation of C<sup>14</sup>-tyrosine into proteins. M. I. Shkol'nik, V. N. Davydova. Dokl. AN SSSR 161 no. 1:1405-1406 Ap '65.

## PLANTS, FLOWERING OF

Morphogenesis of the blossom of quince. I. S. Rudenko. Izv. AN Mold SSR no. 10 35-42 '63.  
Second blooming and secondary growth of some perennials. T. V. Shul'kina. Biol. Glav. bot. sada no. 56:95-99 '64.

## PLANTS, ORNAMENTAL

(see also subdivision under Kalmningrad Province)  
Decorating shopwindows and interiors with greenery. N. Kharchenko. Sov. tog. 36 no. 4:50-61 Ap '65.

## PLANTS, RADIOACTIVE SUBSTANCES IN

(see also subdivision under Georgia)  
Distribution of Fe<sup>56</sup>, Co<sup>60</sup>, Zn<sup>65</sup>, Sr<sup>90</sup>, and Cs<sup>137</sup> radioisotopes in pine, larch, aspen and birch. G. I. Makhonina. Biol. MOIP, Old. Biol. 70 no. 2:120-123 Mr-Apr '65.  
Study of the absorption of radioactive fission products by field crops. Report No. 2. Accumulation of radioactive fission products by pulse crops and perennial grasses. G. V. Ilyina, S. G. Rydkii. Vest. Mosk. un. Ser. 6 Biol., pochv. 20 no. 2:3-9 Mr-Apr '65.

## PLANTS, SEX IN

Dzhaparidze, L. I. [Sex in plants] Pol u rastenii. Tbilisi, Metsnerebi, Pt. 2. [Biochemical and physiological differences between sexes in dicotyledonous plants. Problem of the control of sexual development.] Biokhimičeskoe i fiziologičeskoe razlichie polov u dvudomnykh rastenii. Problema upravleniya formirovaniem pola. 1965. 301 p.  
Phenomenon of amphomorphism in mosses. A. S. Lazarenko. Dokl. AN SSSR 162 no. 4:907-901 Jo '65.

## PLANTS AS INDICATORS see Indicator plants

## PLASMA (IONIZED GASES)

Acceleration of a pulsating plasma jet. P. M. Kolesnikov. Mag. gl. d. no. 1:73-79 '65.  
Collisionless current convection and its dynamic stabilization. V. V. Vladimirov. Dokl. AN SSSR 162 no. 1:785-788 Jo '65.  
Conversion of two transverse waves into a longitudinal one in a collisionless plasma. I. S. Danilkin. Zhur. tekhn. fiz. 35 no. 4:667-676 Ap '65.  
Developing the method of plasma probing by fast particle beams in studying plasmas. L. I. Krupnik, N. G. Shul'ka, P. A. Demchenko. Zhur. tekhn. fiz. 35 no. 1:711-716 Ap '65.  
Diffraction of electromagnetic waves on limited plasma with space dispersion. V. B. Gildenburg, I. G. Kondratiev. Radiotekhn. i elektron. 10 no. 4:658-664 Ap '65.  
Dynamic stabilization of a plasma column. S. M. Ososets, V. I. Sinityn. Zhur. eksp. i teo. fiz. 48 no. 4:1071-1076 Ap '65.  
Hysteresis in the phenomena of helical unsteadiness of a positive column in a magnetic field. A. A. Zaitsev, B. N. Shvilkina. Radiotekhn. i elektron. 10 no. 5:951-952 My '65.  
Kinetic theory of electromagnetic waves in a confined plasma. A. M. Kondratenko. Ukr. fiz. zhur. 10 no. 4:457-459 Ap '65.  
Leveling of certain instabilities in the motion of a plasma across a magnetic field. E. G. Larionov. Dokl. AN SSSR 162 no. 3:536-538 My '65.  
Motion of plasmas in a space devoid of fields. I. U. S. Azevskii and others. Zhur. tekhn. fiz. 35 no. 4:643-649 Ap '65.  
Parameters of plasma jets in a coaxial injector. B. F. Kruglikov, V. K. Muilnovskii, I. U. E. Nestorikhin. Mag. gl. d. no. 1:90-96 '65.  
Parameters of shock waves in a partially ionized gas. S. A. Kaplan, T. S. Podstrigach. Astron. zhur. 42 no. 3:552-556 My-Je '65.  
Particle distribution around a charged sphere in a weakly ionized rarefied plasma. L. L. Gorybunov, A. N. Dvukalo. Geomag. i aer. 5 no. 3:401-412 My-Je '65.  
Physics of very hot plasma. L. A. Artalmovich. Priroda 54 no. 4:17-24 Ap '65.  
Plasma atomization of molybdenum. A. N. Krasnov. Porosh. met. 5 no. 3:1-5 Mr '65.  
Scattering and transformation of electromagnetic waves in a turbulent plasma. I. A. Akhiezer. Zhur. eksp. i teo. fiz. 40 no. 4:1150-1167 Ap '65.  
Statistical theory of particle acceleration by magnetohydrodynamic waves in a weakly turbulent rarefied plasma. A. A. Galeev. Dokl. AN SSSR 161 no. 4:802-805 Ap '65.  
Study of moving strata in a d.c. discharge. A. A. Zaitsev, G. S. Leonov. Radiotekhn. i elektron. 10 no. 5:913-921 My '65.

Study on the properties of a plasma in mutually opposed electric and magnetic fields. O. M. Shveta and others. Zhur. tekhn. fiz. 35 no. 4:717-722 Ap '65.  
Theory of plasma turbulence. L. M. Kovrizhnykh. Zhur. eksp. i teo. fiz. 48 no. 4:1114-1131 Ap '65.

## PLASMA (IONIZED GASES)—ELECTROMAGNETIC PROPERTIES

Sitenko, A. G. [Electromagnetic fluctuations in a plasma] Elektromagnitnye fluktuatsii v plazme. Khar'kov, Izd-vo Khar'kovskogo univ., 1965. 184 p.

## PLASMA (IONIZED GASES)—SPECTRA

Spectroscopic studies on the electromagnetic shock tube. I. U. V. Makarov, A. V. Maksimov. Zhur. tekhn. fiz. 35 no. 1:658-666 Ap '65.

## PLASMA (IONIZED GASES)—THERMODYNAMICS

Nonadditive entropy of a thermally inhomogeneous system. V. S. Imshennik. Dokl. AN SSSR 162 no. 2:310-313 My '65.

## PLASMA MEMBRANES

Structure of the membranes of mitochondria. V. F. Maslanski. TSiklogia 4 no. 5:555-558 S-O '62.

## PLASMA OSCILLATIONS

Damping of a Langmuir wave near the ionic sound radiation threshold. G. I. Suramishvili. Dokl. AN SSSR 161 no. 6:1320-1323 Ap '65.

## PLASMA ROCKETS

Cosmic engines of the future. E. M. Petrov. Priroda 54 no. 5:113-116 My '65.

## PLASMAPARA

Polymorphism in the fungus Plasmopara (Peronosporaceae). N. S. Novotelnova. Bot. zhur. 50 no. 3:301-312 Mr '65.

## PLASTER CASTS, SURGICAL

Simple stand for easy application of a plaster cast to the leg. M. M. Usova. Vest. khir. 92 no. 8:107-108 Jo '64.

## PLASTERING—EQUIPMENT AND SUPPLIES

You ask—we answer. P. Kornilenko. Inform. biul. VDNKH no. 4 22 Ap '65.

## PLASTIC BEARINGS

Wear resistance of plastic bearings of construction and road machinery. M. F. Stramova. Stroitel. mash. 8 no. 3:27-31 Mr '65.

## PLASTIC FILMS

All-Union seminar on the production of rindless cheese ripened in film packing. Z. S. Sekolova. Izv. vys. ucheb. zav., plach. tekhn. 2, 191-192 '65.  
Fire hazards in the production of terylene films. V. G. Mikhailov, A. N. Savushkina. Pech. bezop. no. 3:27-30 '64.  
Storage of ready-to-eat fish products in high-polymer film packaging. E. M. Rodin. Izv. vys. ucheb. zav., plach. tekhn. 2, 80-81 '65.

## PLASTIC FILMS—WELDING

Malaiuk, L. N., and others. [Welding of polymer films] Svarka polimernykh plenok. Moskva, Mashinostroenie, 1965. 70 p.

## PLASTIC PIPE see Pipe, Plastic

## PLASTIC SURGERY see Surgery, Plastic

## PLASTICITY

Determining the rate of metal flow in the center of deformation in certain cases of pressure working. V. F. Potapkin. Kuz.-stann. protzv. 7 no. 3:1-3 Mr '65.  
Investigating the plastic properties of alloys of chromium with transition metals. A. K. Butylenko, V. N. Gridnev. Sbor. nauch. trud. Inst. metallofiz. AN URSSR no. 18:54-58 '64.  
Plasticity of chromium alloyed with yttrium. V. N. Gridnev and others. Sbor. nauch. trud. Inst. metallofiz. AN URSSR no. 20:25-31 '64.  
Plasticity of the alloy 50 at. % Bi - 50 at. % Sn under tension at high pressure. L. D. Livshits, B. I. Beresnev, I. U. N. Rabinin. Dokl. AN SSSR 161 no. 5:1077-1080 Ap '65.  
Properties of general equations in the theory of an isotropic ideally plastic body with piecewise-linear potentials. G. I. Bykovtsev, D. D. Ivlev, T. N. Martynova. Izv. AN SSSR. Mekh. no. 4:66-63 Ja-F '65.

## PLASTICITY—TESTING

Investigating the distribution of plastic deformations by the photoplasticity method. N. M. Zolotarev, I. Z. Entin, A. P. Getmanski. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:75-81 '65.

## PLASTICS

(see also subdivision under Japan)  
Wider use of plastics. Gor. zhur. no. 3:78 Mr '65.

## PLASTICS—MOLDING

Binary polymer mixtures for the casting of shoe sole parts. B. I. Kraanov and others. Izv. vys. ucheb. zav., tekhn. log. prom. no. 2:29-35 '65.  
Effect of moulding pressure on shrinkage. D. A. Kerimov, A. D. Mustafayev, A. R. Dzharrahov. Izv. vys. ucheb. zav., nef't. i gaz. 8 no. 4:109-112 '65.

## PLASTICS—TESTING

Using the method of the displacement of a single hard slider in investigating the friction of plastics. N. P. Isomina, A. D. Kurliyana. Mashinovedenie no. 1:104-109 '65.

## PLASTICS IN BUILDING

Economic efficiency of using polymer building materials. I. Semenuk. Ekono. Rad. Ukr. 8 no. 4 37-42 Ap '65.  
Leonov, V. G. [Plastic building materials, products, and elements, a lecture on promoting new materials and elements in construction technology in the light of the decisions of the December Plenum of the Central Committee of the Communist Party of the Soviet Union] Stroitel'nye materialy, izdeliia i konstruktsii iz plastmassy; lektsiia po propagande novykh materialov i konstruktsii v stroitel'noi tekhnike v svete reshenii dekabr'skogo Plenuma TsK KPS. Gor'ki, Gor'kovskoe obl., ot-d-nie ob-va "Znanie" RSFSR, 1964. 33 p. (V pomoshch' lektoru)

[MICROFILM]

Sitnyakov, D. K. [Plastics in building] Plastmassy v stroitel'stve. Alma-Ata, Izd-vo "Kazakhstan", 1964. 65 p.

[MICROFILM]

## PLASTICS IN INDUSTRY

(see also subdivision under Armenia)  
Experimental shoe manufacture with the use of plastics. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2 9 F '65.  
Plastics are looking for work. Izobr. i rats. no. 5:28-29 '65.

## PLASTICS IN MEDICINE

Alloplasty in surgery for large postoperative and recurrent inguinal hernias. V. S. Kostin. Vest. khir. 93 no. 12:37-40 D '64.  
Concerning I. V. Fedorov's work, "On regeneration of a ureter following substitution of its defects with polyethylene prostheses." I. M. Derevianko. Vest. khir. 94 no. 2:114-118 F '65.  
Experience with the use of plastic hip prostheses. M. S. Pevzner. Ortop., travm. i protez. 28 no. 2 36-41 F '65.  
Histological changes following replacement of arteries by lavsan prostheses. A. A. Kurygin, A. D. Smirnov. Arkh. pat. 26 no. 12:45-51 '64.  
Morphogenesis and morphology of the capsule of vascular prostheses of synthetic materials, experimental study. N. A. Bykova, N. B. Dubrova. Arkh. pat. 26 no. 12 30-45 '64.  
Reply to I. M. Derevianko's letter. I. V. Fedorov. Vest. khir. 94 no. 2:115-118 F '65.  
Some causes of unfavorable results in arterial alloplasty. A. A. Kurygin. Vest. khir. 94 no. 2:132-135 F '65.  
Use of cuffs from capron tissue and cellulose filter or film for the fixation of an injured tendon, experimental study. I. A. Belavina. Ortop., travm. i protez. 28 no. 1:48-52 Ja '65.

## PLASTICS IN THE FOOD INDUSTRY

Hygienic and chemical study of mixed polyamide resins intended for the use in the food industry. D. A. Babayev. Vop. pit. 23 no. 5:12-16 S-O '64.  
Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii plishchevoi promyshlennosti. [Polymer coatings in the food industry; materials of a seminar] Polimerne pokrytiia v plishchevoi promyshlennosti, materialy seminarov. Moskva, 1963. 46 p.

[MICROFILM]

Polyethylene pans for meat curing. A. Borodushko. Mias. ind. SSSR 36 no. 2:41 '65.

## PLASTICS IN THE MACHINERY INDUSTRY

Investigating the wear of "anti-lub" plastics in connection with their use as substitutes for bronze in wet spinning machines for flax. V. D. Timofeev, M. I. Khudykh. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 2:155-160 '65.  
Kocherov, N. P., and T. M. Grishina. [Economic efficiency of the use of polyethylene and polystyrene plastics in the manufacture of machinery] Ekonomicheskaya effektivnost' primeneniia poliolefinov i polistirolovnykh plastikov v mashinostroenii. Leningrad, 1965. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Ekonomika, organizatsiia i planirovaniye proizvodstva)

## PLASTICS IN THE MINING INDUSTRY

Reinforcing mine shafts with plastic concrete. A. I. Shapiro. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:24-25 F '65.

## PLASTICS IN THE PETROLEUM INDUSTRY

Effect of moulding pressure on shrinkage D. A. Karimov, A. D. Mustafayev, A. R. Dzharrahkov. *Izv. vys. ucheb. zav., nef't i gaz* 8 no. 4:109-112 '65

## PLASTICS MACHINERY

Automatic press for making tablets of plastics powder. V. A. Sherbatykh. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 2:28-29 F '65.

Overall mechanization of a plastics shop. I. I. Zakharov. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 2:26-28 F '65

## PLATE TOWERS

Determining the operative capacity of rectification towers P. S. Tsyganov. *Ferm. i spirit. prom.* 31 no. 3:12-15 '65

Hydraulic calculation of grid-plate columns I. I. Alekseyandrov and others. *Gaz. prom.* 10 no. 3:40-46 '65

Hydrodynamic and mass transfer characteristics of the spray plates of fractional and absorption apparatus V. O. Amisratenko, V. M. Stahnikov. *Khar. prom.* no. 2:54-56 Ap-Je '65

Remodelling typical pressure piping. D. I. A. Muchinskii, Nefteper. i neftekhim. no. 4:4-6 '65.

## PLATINUM

Content and characteristics of the distribution of platinum group metals in ultrabasic and alkaline rocks L. V. Razin, V. P. Khvostova. *Dokl. AN SSSR* 162 no. 4:918-921 Je '65

## PLATINUM CATALYSTS

Conversions of methylcyclooctane in the presence of platinum catalysts T. S. Balenkova and others. *Dokl. AN SSSR* 161 no. 6:1329-1332 Ap '65

## PLATINUM COMPOUNDS—OPTICAL PROPERTIES

Properties of ethanalamine compounds of divalent platinum A. I. Ryskin, A. M. Tkachuk, N. A. Tolstol, Opt. i spekt. 18 no. 3:422-431 Mr '65.

## PLATINUM ELECTRODES see Electrodes, Platinum

## PLATINUM METALS

Aromatizing capacity of boride catalysts of platinum group metals. M. I. Rozengart and others. *Izv. AN SSSR. Ser. khim.* no. 5:919-922 '65.

## PLATINUM PLATING

Electrodeposition of platinum from solutions of complex compounds. S. Chotianovicus. *Trudy AN Litv. SSR. Ser. B* no. 3:15-23 '64.

## PLAY

Games of movement in grades 1 and 2. P. G. Bogdanov. *Nach. shkola* 33 no. 2:50-53 F '65

"Magic window." R. Rudnik. *Doshk. vosp.* 38 no. 1:22-23 Ja '65.

## PLEKHANOV, GRIGORII VALENTINOVICH, 1856-1918

New work on the philosophical legacy of Plekhanov A. I. Novikov, L. S. Pavlov. *Nauch. dokl. vys. shkoly, filos. nauki* 7 no. 5:113-115 '64

## PLEURA—SURGERY

Clinical aspects and surgical treatment of primary pleural tumors. A. P. Dotenko, A. S. Zhardetskii. *Vest. khir.* 94 no. 2:61-67 F '65.

## PLEURA—TUMORS

Clinical aspects and surgical treatment of primary pleural tumors. A. P. Dotenko, A. S. Zhardetskii. *Vest. khir.* 94 no. 2:61-67 F '65.

## PLEURONEUMONIA-LIKE ORGANISMS

Experimental meningitis in rabbits caused by L-form streptococci E. I. Koptelova, V. I. Pokrovskii. *Zhur. mikrobiol., epid. i immun.* 41 no. 10:90-93 '64

## PLOWING

Effect of virgin steppe plowing on species and the abundance of ground beetle populations (Carabidae). E. V. Titova, T. N. Zhavoronkova. *Trudy Vses. ent. ob.-va* 50:103-120 '65.

Effectiveness of two deep depth plowing in old soils for cotton A. K. Kamilov. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:125-135 '64.

Land improvement effectiveness of two-depth plowing in the Godelnaya Steppe. A. A. Avtonomov. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:136-146 '64

Two-depth plowing as a new effective technology of the preparation of soil for cotton planting. L. P. Mikhisev. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:117-124 '64.

## PLOWS

(see also subdivision under Georgia)

Characteristics of the wear of self-sharpening plowshares. V. I. Borisov, I. S. Panasevich, A. N. Kulaev. *Trakt. i sel'khoz. mash.* no. 3:16-17 Mr '65

Frogs of tractor-driven plows from high-strength cast iron. I. V. Terekhov and others. *Trakt. i sel'khoz. mash.* no. 4:45-46 Ap '65.

Methods for calculating the frame for general purpose plows. V. I. Korshkov. *Trakt. i sel'khoz. mash.* no. 4:25-29 Ap '65.

Movement of a furrow slice along a slanting flail wedge. M. G. Vilnauer. *Sbor. rab. po les. khoz.* no. 46:25-30 '63

Plowshares for wide-strip sowing. P. N. Pugai, N. A. Bazilevich. *Vest. sel'khoz. nauk. i Kazakh.* 8 no. 4:65-68 Ap '65.

## PLOWS—DYNAMICS

Determining impact forces acting on tractor-driven plows A. G. Parazev. *Trakt. i sel'khoz. mash.* no. 3:14-18 Mr '65

## PLUM—STORAGE

Bruev, S. N. [Preserving and storing of plums] *Konservirovanie i khraneniye sliv.* Moskva, Ekonomika, 1965. 98 p.

## PLUTONIUM ISOTOPES—SPECTRA

Alpha spectrum of Pu241 and the levels of the U237 nucleus S. A. Baranov and others. *IAd. fiz.* 1 no. 4:557-561 Ap '65.

## PLYWOOD INDUSTRY—EQUIPMENT AND SUPPLIES

Mechanizing the assembly of the three-layer veneer bundles for gluing M. P. Malakhov. *Dei. prom.* 14 no. 4:6 Ap '65

## PNEUMATIC CONTROL

Structural synthesis of pneumatic systems of automatic machines taking into consideration the dynamics of their operation. M. L. Frolov. *Mashinovedenie* no. 1:21-29 '65.

## PNEUMATIC CONVEYING

(see also subdivision under Leninakan)

Effectiveness of the pneumatic conveying of flax seeds. I. V. Baranov. *Dokl. Akad. sel'khoz. nauk* no. 2:41-45 F '65.

Pneumatic concrete conveying in road construction. V. V. Dukusar. *Stroi. i dor. mash.* 10 no. 4:27-30 Ap '65.

Pneumatic conveying in woodpulp and paper industries. N. E. Novikov. *Trudy LTITSP* no. 14:124-128 '64

Pneumatic conveying of comb wastes. M. I. A. Kavater-chik. *Tekst. prom.* 25 no. 4:63-66 Ap '65.

Practices in the use of pneumatic tubes at the plant of the Moscow Milling Combine No. 1 V. P. Pianenko, Zh. Cherniavskaya. *Muk. -elev. prom.* 31 no. 5:15-16 Mr '65

Using compressed air for pumping over the vinnase. A. M. Logvinov. *Mashinostroitel'* no. 5:21 My '65.

## PNEUMATIC MACHINERY

Murzin, V. A., and I. A. Tseltin. [Pneumatic equipment in mines] *Rudnichnye pnevmaticheskoe ustanovki.* Moskva, Nedra, 1965. 315 p.

## PNEUMATIC MACHINERY—ELECTROMECHANICAL ANALOGIES

Electric modeling of a pneumatic system in mines. I. A. Tseltin. *Izv. vys. ucheb. zav., gor. zhur.* 8 no. 2:166-161 '65.

## PNEUMATIC TOOLS

Compressed air charger for charging boreholes and blastholes. A. M. Falzullin, P. A. Podkopayev, E. K. Andreev. *Shakht. stroi.* 9 no. 4:24-26 Ap '65.

Improving working conditions for fitters working with pneumatic tools. A. M. Mikulinski. *Avt. prom.* 31 no. 4:40-41 Ap '65

Pneumatic hammer for driving nails. I. Gershberg. *Stroi. i arkhit. Uzb.* 6 no. 2:10 F '65.

## PNEUMATIC TOOLS—NOISE CONTROL

Control of pneumatic-tool noise. M. A. Rokhlenko, B. L. Smolenskii. *Mashinostroitel'* no. 5:40-41 My '65.

## PNEUMOCOCCUS see subdivision under Caspian Sea

## PNEUMOCOCCUS—CULTURES AND CULTURE MEDIA

see subdivision under Ukraine

## PNEUMOENCEPHALOGRAPHY

Oxygen encephalography in military neuropathological practice. V. S. Lobzin. *Voen. -med. zhur.* no. 6:63-64 '64.

## PNEUMOGASTRIC NERVE see Vagus nerve

## PNEUMONIA

Characteristics of the pathogens of prolonged recurrent and chronic pneumonias in infants. V. M. Chletsova. *Zhur. mikrobiol., epid. i immun.* 41 no. 10:144 '64.

Treatment of pneumonia in whooping cough patients with neuroleptic mixtures in combination with antibiotics and symptomatic substances Z. I. Krasovitskii. *Sov. med.* 28 no. 5:124-127 My '65

## PNEUMOPERITONEUM, ARTIFICIAL

Results of the use of the pneumoperitoneum in a surgical clinic. T. V. Zharinova, Z. V. Naumova. *Trudy TSU* 66:233-244 '64.

Use of pneumoperitoneum in the postoperative period of inferior lobectomy M. A. Elubov. *Azerb. med. zhur.* 42 no. 1:64-66 Ja '65

## PNOMPENH, CAMBODIA—STREETS

The U. S. S. R. Boulevard in Pnompenh A. U. Nov. vrem. 29 no. 20:25 My '65

## POCHEP DISTRICT—GRAIN HANDLING

In the drive for the title of Collective of Communist Labor V. Rjabko. *Muk. -elev. prom.* 31 no. 5:3-6 My '65

## PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Thermal ionization of the ionosphere by the shock wave from the Tunguska explosion in 1908 A. V. Zolotov. *Geomag. i aer.* 5 no. 3:504-505 My-Je '65

## PODOLIA—CAVES

Krivche crystalline cave in the gypsum of Podolia G. A. Bachinskii, V. N. Dublinskii, L. S. Shtengelov. *Peshchery* no. 4:49-56 '61

## PODOLIA—SOVIETS

The local Soviets of Podolia I. I. Lavchenko. *Rud. prom.* 28 no. 3:7-11 My-Ja '65

## PODOL'SK (MOSCOW PROVINCE)—RETAIL TRADE—MANAGEMENT

Plan on the basis of economic efficiency. V. Putiatina. *Sov. torg.* 38 no. 4:37-38 Ap '65

## PODZOL

Change in the chemical characteristics of turf-Podzolic soils due to plowing. P. R. Zaidel'man, A. K. Oglenov. *Pochvovedenie* no. 5:1-12 My '65

Effect of fertilizers on the yield of blue lupine seeds in turf-Podzolic soils of Ivanovo Province S. A. Semenov. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:125-137 '64.

Effect of fertilizers on the yield of European yellow lupine seeds in turf-Podzolic soils of Ivanovo Province B. A. Zhuraviev. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:138-149 '63

Effectiveness of slow-acting nitrogen fertilizers in turf-Podzolic soils. V. I. Zolotarev. *Agroklimatika* no. 1:42-45 Ja '65.

Fertilizers for corn in turf-Podzolic soils of Ivanovo Province. T. P. Sachennikova. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:158-174 '63

Fertilizers for forage beans in turf-Podzolic soils of Ivanovo Province. I. P. Iankova. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:117-124 '63.

Fertilizers for millet in turf-Podzolic soils of Ivanovo Province. N. I. Okasnenko. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:150-157 '63.

Fertilizers for sugar beets in turf-Podzolic soils of Ivanovo Province. L. I. Kartashova. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:103-116 '63

Green manure as an important means for increasing farm plant yield in turf-Podzolic soils of Ivanovo Province A. V. Vatugin. *Sbor. nauch. i trud. Ivan. sel'khoz. inst.* no. 21:23-45 '63

## POETRY FOR CHILDREN see Children's poetry

## POGONOPHORA

"Annelid hypothesis" on the origin of Pogonophora. N. A. Livanov, N. A. Porfir'eva. *Zool. zhur.* 44 no. 2:161-166 '65

## POISONING

Death of "water poisoning". A. V. Bulychev, P. A. Nosov. *Sud. -med. ekspert.* 8 no. 1:49-50 Ja-Mr '65

## POKUT'YE—COAL GEOLOGY

Finds of coal pebbles in the Iolyanitsa sediments of the Pokutye Carpathians. V. S. Burov, M. I. Fedushchuk. *Dop. AN URSR* no. 4:507-510 '66.

## POLAND—CAVES

Speleological regions in Poland. Z. Wojcik. *Peshchery* no. 4:57-64 '64.

## POLAND—CHEMICAL WORKERS

Industrial development and the improvement of the living conditions of Polish chemical workers. Tadeusz Tomasz. *Naftianik* 8 no. 5:15-17 My '63.

## POLAND—CHEMISTRY—STUDY AND TEACHING

Chemistry in the general secondary schools of Poland. A. A. Grabetskii, Elzbieta Laszkiewicz. *Izv. AFN* no. 134:230-248 '64.

## POLAND—COMMUNIST PARTY

According to the place of residence. Tadeusz Gulkowski. *Part. zhizn'* no. 10:68-72 My '65.

Creation of the Communist Party of Poland as a significant landmark in the history of the Polish Workers' movement. P. M. Kalonychenko. *Ukr. ist. zhur.* 8 no. 6:60-76 N-D '64.

## POLAND—COMRADES COURTS

Community courts in Poland. *Sov. iust.* 20 no. 10:32 My '65

## POLAND—CONSTRUCTION EQUIPMENT

Machinery of our Polish friends (to be concluded). N.N. Maslov. Stroitel'mash 8 no.134-38 Ja '63

## POLAND—FOREIGN RELATIONS—RUSSIA

History of Soviet-Polish relations in documents. A. A. Solov'ev, I. A. Khrenov, I. S. Izabrovovalina. Vop. ist KPSS 9 no.6:146-149 Je '65.

## POLAND—GLIDING AND SOARING

Honorary award M. Rzeszowski. Kryn' rad. 13 no.3:16 Mr '62

## POLAND—RELATIONS (MILITARY) WITH RUSSIA

Feeling of the elbow. A. Skrylnik. Komm. Vooruzh. Sil 46 no.4:83-86 T '65.

## POLAND—SUPPLY AND DEMAND

Method of calculating the coefficients of demand elasticity in Poland and Czechoslovakia. F. Krutikov. Vest. stat. no.5:46-53 '65

## POLAND—WORLD WAR, 1939-1945—ANNIVERSARIES, ETC.

Thank you, Soviet brothers. Roman Milanuk. Sov. voim 47 no.8:44 Ap '65

POLAR BEAR see subdivision under "Vangel" Island

## POLARSCOPE

Photographic polarimetry of Venus. V. A. Gagen-Torn. Uch. zap. LGU no.326:95-98 '64.

Spectropolarimetric behavior of  $\alpha$ -phenylethyl amides of pyridinecarboxylic acids. A. P. Toront'ev and others. Dokl. AN SSSR 162 no.2:356-358 My '65.

## POLARIZATION (ELECTRICITY)

Effect of the concentration of a foreign electrolyte on the cathodic process on amalgam electrodes. A. I. Molodov, V. V. Losev. Elektrokhimia 1 no.1:53-59 Ja '65.

Studying the kinetics of the desulfuration of cast iron by slag, by the method of alternating current polarization. A. I. Sotnikov, O. A. Esin, I. U. F. Nikitin. Izv. AN SSSR, Met. no.1:32-38 Ja-F '65

## POLARIZATION (LIGHT)

Rotation of the plane of polarization of light by crystals under the action of an electric field. V. A. Shamburov. Dokl. AN SSSR 162 no.1:60-63 My '65.

## POLARIZATION (NUCLEAR PHYSICS)

Annihilation of polarized positrons in nickel. V. L. Sedov. Zhur. eksp. i teor. fiz. 48 no.4:1200-1201 Ap '65

Dynamic polarization of protons in hydrated paramagnetic salts by the method of multiple rapid adiabatic crossing of the forbidden line. G. M. Shklyarevskii, Fiz. i tei. iela 7 no.5:1331-1334 My '65

Neutron polarization in (d, n) type stripping reactions with  $h\nu = 1$ . N. P. Babonko and others. Izd. fiz. 1 no.3:452-455 Mr '65.

Polarization in elastic proton-proton scattering at high energies. V. P. Kanavets, I. I. Lovintov, B. V. Moisev. Izd. fiz. 1 no.1:96-102 Ja '65

## POLAROGRAPHY

Current-time curves on a silver amalgam electrode in oscillographic polarography with a given sinusoidal voltage. E. M. Skobets, M. F. Povkhan. Ukr. khim. zhur. 31 no.4:363-367 '65

Determination of dissolved oxygen concentration by the method of polarography with fixed solid electrodes in a submerged culture of micro-organisms. I. S. Korshunov. Prikl. biokhim. i mikrobiol. 1 no.1:114-118 Ja-F '65.

Determining the micro-impurities of heavy metals in canned food. M. F. Iotapov. Izv. vys. ucheb. zav.; khim. i tekhn. no.1:170-173 '65.

Effect of concentration and nature of supporting electrolyte cations on polarographic catalytic hydrogen waves generated by pyridine in nonbuffer solutions. M. K. Polievktov, S. G. Matonovskii. Izv. AN SSSR, Ser. khim. no.3:413-419 '65.

Method for determining the nature of polarographic current as a function of the mercury column height. L. A. Khelfets. Zhur. anal. khim. 20 no.3:388-390 '65.

Oscillographic polarography of lead in bismuth. V. P. Gladyshev, G. P. Chislova, A. M. Uatimov. Zhur. anal. khim. 20 no.3:325-328 '65.

Polarographic behavior of polyhalogen organic compounds. Reduction of methyl perchloroethyl ketone. E. Alkazian, S. Isabekian, A. Durganlian. Izv. AN Arm. SSR, Khim. nauki 18 no.1:114-117 '65.

Polarographic determination of zinc in grape leaves. G. F. Vylgzhannina. Khim. i sel'sk. khoz. 3 no.3:37-39 Mr '65.

Polarographic method for the quantitative determination of cardiac glycosides. N. E. Vorob'ev, N. P. Dziuba. Farmatsev. zhur. 10 no.1:18-22 '64

Polarographic study of the catalytic decomposition of hydrogen peroxide in homogeneous alcohol-aqueous solutions. Kh. M. Khanmirmian. Izv. AN Arm. SSR, Khim. nauki 18 no.1:8-9 '65.

Polarographic study of unsaturated ketones. Part 3: Structure and reactivity of aromatic  $\alpha,\beta$ -unsaturated ketones (Use of correlation equations). V. D. Bezuglyi, V. F. Lavrushin, G. G. Belous. Zhur. ob. khim. 35 no.1:66-613 Ap '65

Polarography of bromothiophene; effect of the organic solvent concentration on the half-wave potentials. S. G. Malinavskii, N. V. Dazashkova, I. U. B. Vol'kenshtein. Elektrokhimia 1 no.1:72-77 Ja '65.

Polarography of dilaedactylene. S. L. Isabekian, S. I. Zhdanov. Izv. AN SSSR, Ser. khim. no.3:531-536 '65.

Polarography of sodium bismuthide with alkali melt as the support. I. U. K. Delmar'skiy, O. H. Zayubys'kiy. Dop. AN URSS no.5:619-621 '65

Possibility of determining microquantities of organic compounds during their adsorption by using an oscillographic method with stepped polarization voltage. M. R. Vlashev, G. K. Budnikov, I. U. F. Khaev. Dokl. AN SSSR 162 no.2:331-334 My '65.

Reproducibility and precision of polarographic determination of microquantities of metals after their preliminary concentration on a graphite electrode. Kh. Z. Branjina, V. B. Behavskala. Ukr. khim. zhur. 31 no.1:398-402 '65.

POLES (ENGINEERING) see subdivision under Kazakhstan

## POLESYE—BUCKWHEAT—FERTILIZERS AND MANURES

Effect of the forms of potassium fertilizers on the physiological processes and yield of buckwheat in sandy soils of the Ukrainian Polesye. P. A. Vlasuk, A. B. Rubashov. Agrokhimia no.1:58-65 Ja '65.

## POLESYE—FUSARIUM

Species of the genus Fusarium in the rhizosphere of barley and oat of the Polesye districts of the Ukrainian S. S. R. T. S. Kyrylenko. Mikrobiol. zhur. 27 no.2:23-29 '65

## POLESYE—GEOLOGY, STRUCTURAL

Time and cause of the formation of the Polesye Lowland. Z. A. Gotsik. Dokl. AN SSSR 9 no.2:101-104 T '65

## POLESYE—ROCKS, SEDIMENTARY—ANALYSIS

Statistical indexes of the content of chemical elements in the cover sediments of White Russian Polesye. K. I. Lukashov, G. I. Sachok, V. K. Lukashov. Dokl. AN SSSR 9 no.2:108-110 T '65.

## POLESYE—SANDY SOILS

Effect of the forms of potassium fertilizers on the physiological processes and yield of buckwheat in sandy soils of the Ukrainian Polesye. P. A. Vlasuk, A. B. Rubashov. Agrokhimia no.1:58-65 Ja '65

## POLIOMYELITIS—COMPLICATIONS AND SEQUELAE

Diagnosis of the initial degree of contracture of the muscle stretching the fascia lata. G. S. Aizikov. Ortop. i travm. i protez. 26 no.2:60-63 F '65

Myofascioidosis in insufficiency of the gluteal muscles following poliomyelitis. V. D. Chaklin, I. U. B. Ginzburg. Ortop. i travm. i protez. 26 no.1:39-44 Ja '65

Pathogenesis of scoliosis following poliomyelitis. A. D. Borygina. Ortop. i travm. i protez. 26 no.2:33-36 F '65.

## POLIOMYELITIS VIRUSES

Dynamics of the isolation of poliomyelitis vaccine strains from flies following vaccination. N. N. Sheremet'ev. Zhur. mikrobiol., epid. i immun. 41 no.10:102-106 '64

Interference of enteroviruses in tissue cultures. L. M. Mentkevich. Vop. virus. 10 no.1:50-55 Ja-F '65.

Intratype antigenic variations of the type I poliovirus. L. V. Nadezhkin. Vop. virus. 10 no.1:46-50 Ja-F '65.

Study of the nature of the S-character of poliomyelitis virus. I. U. Z. Gendon, N. M. Romanova. Vop. virus. 10 no.1:41-46 Ja-F '65

Use of the fluorescent method for the detection of poliomyelitis and rabies viruses. M. E. Lipkin and others. Vop. virus. 10 no.1:20-29 Ja-F '65.

## POLISH WIT AND HUMOR—PERIODICALS

"Szpilki" and "Karuzela." M. Vilenskii. Sov. pech. no.4:58-60 Ap '65.

## POLISHING, ELECTROLYTIC see Electrolytic polishing

POLITICAL CRIMES AND OFFENSES see subdivision under Germany, West

POLITICAL PRISONERS see subdivision under Portugal

## POLITICAL SCIENCE—METHODOLOGY

The system of sciences which deal with problems of the political organization of society, the state, and law. S. S. Alekseev, V. E. Chirkov. Sov. gos. i pravo 35 no.5:45-52 My '65.

## POLITICAL SCIENCE—STUDY AND TEACHING

The system of sciences which deal with problems of the political organization of society, the state, and law. S. S. Alekseev, V. E. Chirkov. Sov. gos. i pravo 35 no.5:45-52 My '65.

## POLLEN

Different pollen quality in the same corn ear. I. A. Palamarchuk. Vest. Mosk. un. Ser. 6: Biol. pochv. 20 no.2:36-45 Mr-Apr '65

Prolonged preservation of the pollen of lilacs as related to their hybridization. V. V. Smol'skii, V. F. Ribikova. Dokl. AN SSSR 9 no.2:122-124 T '65

Study of pollen tubes in Angiosperms. V. A. Poddubnaya. Arnoldi. Dokl. AN SSSR 162 no.3:705-706 My '65.

## POLONIUM ISOTOPES

Mechanism of functional and morphological renal changes in radiation sickness (Po<sup>210</sup>) in rats treated with unithiol. Z. I. Poluboiarova, V. N. Strel'tsova. Med. rad. 9 no.7:22-27 Ji '64

## POLTAVA—HISTORICAL MUSEUMS

In the Poltava Museum of Local Lore. O. T. Il'risov. Ukr. ist. zhur. 8 no.6:149 N-D '64

## POLTAVA—INSTALLMENT PLAN

Credit sales become popular. I. A. Fridman. Sov. torg. 38 no.5:40 My '65

## POLYAMIDES—TESTING

Investigating antifriction properties of stabilized polyamides. A. Maculius, A. Barauskas. Trudy AN Litv SSR, Ser. B no.3:189-194 '64.

## POLYETHYLENE

Autochase of polyethylene. B. P. Shirkman, S. S. Voinitskiy, V. A. Kaigin. Vysokom. soed. 7 no.1:135-140 Ja '65

Polyethylene nozzle for shell-and-tube condensers. A. P. Ol'gachev. Khim. tekhn. 42 no.2:61 Mb-Apr '65.

Studying the properties of the SKS-30 synthetic rubber compound with high-pressure polyethylene. M. E. Krasnokutskaya, F. V. Bronshteyn, G. V. Lipyi. Izv. vys. ucheb. zav., tekhn. leg. prom. no.2:36-38 '65

Synthesis and study of polyalkylphosphonic acids. S. R. Rafikov and others. Vysokom. soed. 7 no.1:65-69 Ja '65

## POLYETHYLENE, EFFECT OF RADIATION ON

Radiation-chemical cross-linking of polyethylene. G. K. Kaurkova and others. Vysokom. soed. 7 no.1:183 Ja '65.

## POLYGONUM

Polygonum coriarian, a new forage plant. V. P. Mikhailova, O. U. Lushpa. Izv. AN Kazakh. SSR, Ser. biol. nauk 3 no.2:28-35 Mr-Apr '65.

Vitamin accumulation dynamics in the tops of Polygonum. Veyrichil Fr. Schmidt. I. I. Chakalinskaya, T. U. Valadz'ko. Vest. AN BSSR, Ser. biol. nauk. no.1:65-68 '65.

## POLYHEDRA

Representation of polyhedrons of the composition of multicomponent reciprocal systems. H. I. Dmytchenko, V. M. Pervikova. Dop. AN URSS no.4:481-484 '65

## POLYMERIZATION

Block polymerization of some allyl and acryl monomers. M. G. Korchev, V. V. Korshak, S. V. Vinogradova. Vysokom. soed. 7 no.1:150-155 Ja '65.

Calorimetric study of the radiation polymerization kinetics. I. M. Barkalov, V. I. Gol'danskii, V. B. Rapoport. Dokl. AN SSSR 161 no.2:1368-1370 Ap '65.

Chain transfer constants in telomerization of ethylene by chloroform. B. A. Englin, R. Kh. Freidlina. Izv. AN SSSR, Ser. khim. no.3:425-431 '65.

Copolymerization of isobutylene with styrene in the presence of titanium tetrachloride. N. A. Butovich, V. P. Gur'yanova. Neftepr. i neftekhim. no.3:32-34 '65

Copolymerization of pentenes with ethylene and propylene. T. I. Mamedov, N. M. Abdurakhmanova, S. I. Sadykhzade. Azerb. khim. zhur. no.3:99-102 '64.

Cyclic polymerization and copolymerization. Part 35: Polymerization of allylic vinyl ethynylcarbinols. S. G. Matsolan, A. A. Saakian. Izv. AN Arm. SSR, Khim. nauki 18 no.1:60-67 '65.

Cyclic polymerization and copolymerization. Part 36: Radical polymerization of some vinylacetylene compounds. S. G. Matsolan, N. M. Morlian, A. A. Saakian. Izv. AN Arm. SSR, Khim. nauki 18 no.1:68-75 '65.

Effect of ethylene oxide or amines on the chain transfer with a modifier in the telomerization of ethylene by carbon tetrachloride. I. A. Kh. Freidlina, E. S. Chukovskaya, I. U. P. Chizhov. Dokl. AN SSSR 162 no.2:359-361 My '65.

Effect of reaction chain transfer to polymer in the cationic polymerization of oxygen-containing cyclic compounds. B. A. Rozenberg and others. Vysokom. soed. 7 no.1:188-189 Ja '65.

Emulsion polymerization of lower alkyl acrylates. V. I. Eliseeva and others. Vysokom. soed. 7 no.1:156-162 Ja '65.

Heterogeneous catalysts for the polymerization of propylene oxide. O. V. Krylov, V. S. Livshits. Neftekhim. 5 no.1:40-43 Ja-F '65

## POLYMERIZATION (Continued)

Initiation of hypopolymerization reaction of olefins during their hydrogenation in the presence of a cobalt catalyst at 200°. I. A. T. Eidus, B. K. Nefedov. Izv. AN SSSR Ser. khim. no. 5:888-893 '65.

Investigating the polymerization reactions of certain tertiary olefins in the presence of a cation exchange resin functioning as a catalyst. Ahmed Dussuki, V. I. Isagulants. Trudy MINKHIGP no. 44:39-42 '63.

Kinetics of diisobutylene polymerization. M. Kuchera, IU Pikhler. Vysokom soed. 7 no. 1:3-9 Ja '65.

Laws governing the radiation-induced polymerization of diphenylvinylphosphine oxide in a melt. R. G. Chikishev and others. Vysokom soed. 7 no. 1:33-38 Ja '65.

Low-temperature radiation polymerization of acrolein. E. I. Finkel'shtein, A. D. Abkin. Dokl. AN SSSR 161 no. 5:1098-1101 Ap '65.

Mechanism of a polymeric phase formation in monomer crystals. L. M. Fapilov, V. A. Kabanov, V. A. Kargin. Dokl. AN SSSR 162 no. 1:136-139 My '65.

Mechanism of the action of catalysts in the synthesis of polycarbonates by interfacial polycondensation. G. S. Kolesnikov, El' Said Ali Khassan, O. V. Smirnova. Vysokom soed. 7 no. 1:129-131 Ja '65.

Modification of the Ziegler-Natta catalysts in the polymerization of olefins. G. A. Razuvaev and others. Vysokom soed. 7 no. 1:39-44 Ja '65.

Oriented polyvinylidene chloride produced by radiation polymerization from the gaseous phase on oriented polymeric supporting structures. A. V. Vlasov and others. Dokl. AN SSSR 161 no. 4:857-860 Ap '65.

Polarographic method of studying copolymerization of methyl acrylate with 2-methyl-5-vinylpyrrolidine. V. D. Bezuglyi, T. A. Alekseeva. Ukr. khim. zhur. 31 no. 4:392-397 '65.

Polymeric materials for the polarization-optical method of studying stresses. Part 6. Study of physical and mechanical properties under the addition process of polymerization. R. S. Norkina, S. I. Sokolov, N. A. Shchegolevskaia. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 5:987-1002 '64.

Polymerization in a shock wave. G. A. Iadurov and others. Vysokom soed. 7 no. 1:180 Ja '65.

Polymerization of acetylene-carboxylic (propilic) acid in liquid and solid phases. G. V. Khutareva and others. Neftekhimiia 5 no. 1:90-96 Ja-F '65.

Polymerization of deuterioethylene on the homogeneous catalytic system  $(C_2H_5)_2PtCl_2 + TiCl_4 + Al(CH_3)_3Cl$ . E. A. Givgizian, I. S. D'vichkovskii, A. F. Shilov. Vysokom soed. 7 no. 1:143-149 Ja '65.

Polymerization of diisobutylene at various temperatures. M. Kuchera, IU Pikhler. Vysokom soed. 7 no. 1:10-15 Ja '65.

Polymerization of 1,1,3,3-tetraethenyl-1,3-disilacyclobutane. N. S. Nametkin, V. M. Vdovin, V. I. Zavalov. Dokl. AN SSSR 162 no. 4:824-826 Je '65.

Polymerization of 3,4-benzoxa-1,1-dimethylsilacyclopentane. N. S. Nametkin and others. Dokl. AN SSSR 162 no. 3:583-589 My '65.

Polymerization of 4-methyl-1,3-pentadiene. I. A. Livshits, V. I. Stepanova. Vysokom soed. 7 no. 1:181 Ja '65.

Polymerization of 4-vinylpyridine on polystyrenesulfonic acid. V. A. Kargin, V. A. Kabanov, O. V. Kargin. Dokl. AN SSSR 161 no. 5:1131-1134 Ap '65.

Polymerization of propilic acid salts. G. V. Khutareva, M. V. Shishkina, B. E. Davydov. Izv. AN SSSR. Ser. khim. no. 3:520-525 '65.

Polymerization of the styrene fraction of resin obtained in pyrolysis of gases in the presence of various initiators. IU. G. Mamedaliev and others. Azerb. khim. zhur. no. 3:91-97 '64.

Polymerization of vinylsilanes in the presence of metallic lithium. N. S. Nametkin, S. G. Durgar'yan, V. S. Khotimskii. Vysokom soed. 7 no. 1:184 Ja '65.

Precision method for evaluating the efficiency of polymerization inhibitors. IU. V. Ovchinnikov. Vysokom soed. 7 no. 1:63-64 Ja '65.

Quantitative composition of the tar from the pyrolysis of kerosene and the polymerization of its styrene fraction. IU. G. Mamedaliev and others. Neftekhimiia 5 no. 1:44-48 Ja-F '65.

Radiation-induced polymerization of hexamethylcyclotrisiloxane in the solid phase. G. M. Trofimova and others. Dokl. AN SSSR 161 no. 4:882-885 Ap '65.

Role of soluble organoaluminum compounds in the process of polymerization of isoprene by a complex catalyst. A. A. Korotkov and others. Dokl. AN SSSR 162 no. 4:821-823 Je '65.

Stereospecific polymerization of butadiene in polar media. N. N. Motovilova, V. V. Samoletova. Kauch. i rez. 24 no. 4:35-38 Ap '65.

Synthesis and polymerization of cyclotetrasiloxanes containing heterocyclic radicals with a silicon atom. A. A. Zhdanov and others. Dokl. AN SSSR 162 no. 2:335-338 My '65.

Synthesizing macromolecular hydrocarbons with conjugate double bonds by a dehydroalcohol polymerization reaction. I. A. M. Pashkin, S. A. Nizova, V. S. Gaevaia. Trudy MINKHIGP no. 44:43-47 '63.

## POLYMERS

All-Union symposium on the radiation chemistry of polymers. M. IA. Kaplunov. Kauch. i rez. 24 no. 4:49-51 Ap '65.

[The chemistry and technology of polymers; translations and surveys from foreign periodical literature.] Khim. i tekhn. polim., sbor. perev. i obz. iz inostr. period. lit. 9 no. 4 '65.

Differential-thermal analysis of polymers. V. O. Gorbacheva, N. V. Mikhailov. Vysokom soed. 7 no. 1:28-32 Ja '65.

Durability of polymeric coatings as dependent on the conditions of their formation and aging. P. I. Zubov, V. S. Golikova, L. A. Sukhareva. Dokl. AN SSSR 161 no. 1:864-866 Ap '65.

Effect of polyelectrolytes on the stability of aqueous suspensions of bentonites. L. T. Prilipko, O. D. Kuzlenko. Ukr. khim. zhur. 31 no. 1:376-378 '63.

Effect of strong electrostatic fields on the structure of the polymer formed in the polymerization of methyl methacrylate. IU. B. Amerik, B. A. Krentsel', M. V. Shashkina. Dokl. AN SSSR 162 no. 2:364-365 My '65.

Effect of the conditions of synthesis on the properties of polymers. D. A. Akhmedzade, V. D. Lashopol'skii. Azerb. khim. zhur. no. 3:65-68 '64.

Electron microscope method of studying the supermolecular structure of polymers in solutions. V. A. Katgin and others. Dokl. AN SSSR 162 no. 4:851-852 Je '65.

Kocherov, N. P., and T. M. Grishina. [Economic efficiency of the use of polyolefins and polystyrene plastics in the manufacture of machinery.] Ekonomicheskaya effektivnost' priimeneniia poliolefinov i polistirolykh plastikov v mashinostroenii. Leningrad, 1965. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Ekonomika, organizatsiia i planirovanie proizvodstva).

Method for determining the strength and character of the adhesion of polymers to rocks. N. I. Titkov and others. Buhenie no. 5:16-17 '61.

Methods for studying biopolymers with the help of analytic ultracentrifuge. V. O. Shpikhet. Sov. metod. v biokhimi. 15-37 '64.

Nature of adhesion of polymeric materials. V. E. Gul', L. L. Fonina. Vysokom soed. 7 no. 1:45-49 Ja '65.

New iron-containing monomers and polymers from five-membered anilines. I. A. M. Pashkin and others. Trudy MINKHIGP no. 44:45-46 '63.

Polymer mixtures studied by radiothermoluminescence. N. IA. Buben and others. Dokl. AN SSSR 162 no. 2:370-372 My '65.

Production of nonwoven filter materials by means of the impregnation of fibrous systems with high polymer dispersions. E. T. Ustinova, S. S. Volutskii. Izv. vys. ucheb. zav., tekhn. tekhn. prom. no. 2:108-113 '65.

Self-heating of polymers following repeated deformation. S. B. Ratner, V. I. Korobov. Dokl. AN SSSR 161 no. 4:824-827 Ap '65.

Some new methods of studying polymeric compounds by gas chromatography. V. G. Belezkin and others. Vysokom soed. 7 no. 1:185-187 Ja '65.

Stansko, V. V. [Inorganic polymers.] Neorganicheskie polimeri. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke, tekhnike. XI Seriya: Khimiia, no. 5).

Study of the interaction between minerals and polymers by infrared spectroscopy method. L. Kh. Taimunazova, L. A. Ignatieva. Vest. Mosk. un. Ser. 6. Biol., pochv. 20 no. 2:81-86 Mr-Apr '65.

Study of the mechanical properties of filled polymers. Part 2. Effect of the rate of deformation on the mechanical properties of polystyrene, polymethylmethacrylate, and polyethylene filled with vitreous fibre. V. P. Solomko and others. Ukr. fiz. zhur. 10 no. 5:519-557 My '65.

## POLYMERS—CONGRESSES

Konferentsiia po polimernym materialam na osnovie khimicheskikh produktov koksovaniia uglei, 1964. [Abstracts of Reports of the Conference on Polymeric Materials Based on Coal Chemicals held October 20-23, 1964.] Tezisy dokladov. Dnepropetrovsk [1964] 81 p.

## POLYMERS—TESTING

Methods for standard tensile testing of small specimens of polymer materials. A. D. Bernatskii, A. L. Rabinovich. Standartizatsiia 29 no. 3:46-50 Mr '65.

## POLYMERS—THERAPEUTIC USE

Shostakovskii, M. F., and others. [Curative polymers.] Tselebnye polimeri. Moskva, Izd-vo "Znanie," 1965. 43 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 6).

## POLYMERS, EFFECT OF RADIATION ON

Improving the properties of polymer films by infrared irradiation. G. A. Klein and others. Gelotekhnika no. 1:39-43 '65.

## POLYMERS, HIGH see Macromolecular compounds

## POLYMETHYLENE COMPOUNDS

Determination of molecular weight and molecular weight distribution of polytetramethylene oxide. Vysokom soed. 7 no. 1:70-73 Ja '65.

Synthesis of oligomeric polymethylenephosphinic acids. S. R. Rafikov and others. Izv. AN SSSR. Ser. khim. no. 3:526-527 '65.

## POLYMORPHISM

Molecular polymorphism of monochloroacetic acid. I. A. Shecherbakov. Trudy Khim. med. inst. no. 35:386-395 '57.

Polymorphism in the fungus *Plasmopara* (Peronosporaceae). N. S. Novotel'nova. Bot. zhur. 50 no. 3:301-312 Mr '65.

## POLYNOMIALS

Accuracy of the approximation of periodic analytic functions by interpolation trigonometric polynomials with equidistant nodes. V. I. Kivlov, I. A. Ivanovich. Dokl. AN SSSR 9 no. 2:73-76 I '65.

Approximation of functions by polynomials with connections. N. I. Chernykh. Dokl. AN SSSR 162 no. 2:290-293 My '65.

Class of interpolation polynomials with unfixed nodes. V. S. Videnskii. Dokl. AN SSSR 162 no. 2:261-264 My '65.

Convergence of sequences of  $\Pi$ -polynomials. B. IA. Levin. Mat. sbor. 66 no. 3:304-307 Mr '65.

Estimates of rational trigonometric sums of a special type. N. M. Akulichev. Dokl. AN SSSR 161 no. 4:743-745 Ap '65.

Form of extremum nonnegative polynomials whose coefficients obey several linear relations. I. A. Givgizova. Dokl. AN SSSR 162 no. 4:730-732 Je '65.

Properties of sequences of Dirichlet polynomials converging on the interval of an imaginary axis. A. F. Leont'ev. Izv. AN SSSR. Ser. mat. 29 no. 2:369-379 '65.

Roots of trigonometric polynomials. M. IA. Zlenger. Dokl. AN SSSR 161 no. 6:1283-1286 Ap '65.

## POLYNOMIALS, BERNSTEIN see Bernstein polynomials

## POLYNUCLEOTIDE PHOSPHORYLASE

Obtaining polynucleotide phosphorylase from *Aerobacter vinelandii* and polynucleotide synthesis. E. D. Vyshnepan, K. I. Ivanova. Sov. metod. v biokhimi. 1:259-268 '64.

## POLYPLOIDY

Effective method for increasing the fertility. A. Zhebnak. NTO 7 no. 3:10-17 Mi '65.

Tetraploid form of *Lychnia chalcidionica* L. I. I. Lipaeva. Biol. Glav. bot. sada no. 5:619-101 '64.

## POLYPORACEAE see subdivision under Armenia

## POLYPROPYLENE

Diffusion in the system polyisobutylene-solvents studied by the interferential micromethod. A. E. Chalykh, R. M. Varentin. Dokl. AN SSSR 161 no. 5:1146-1148 Ap '65.

## POLYSACCHARIDES

Biologically active substances of natural origin: antibiotics, bacterial polysaccharides, interferon. Z. V. Ermol'eva. Voen.-med. zhur. no. 7:23-27 '64.

Comparative study of the polysaccharide-containing fraction of alkali-forming enterobacteria obtained after extraction of a complete antigen. II. M. Lavshnyk. Mikrobiol. zhur. 27 no. 2:127-23 '65.

Distribution of protein and polysaccharide in the cells of the plague microbe grown at 28-37°. E. E. Bakhrakh. V. D. Egorova, E. P. Denisov. Zhur. mikrobiol. epid. i immunit. 41 no. 10:136-139 '64.

Dynamics of mucopolysaccharides in human ribs. N. I. Martynuk. Arkh. anat., gist. i embriol. 46 no. 4:48-51 Ap '64.

Formation of an intermediate complex of amylose isomerase with ribonucleic acid and polysaccharide. A. N. Petrova, R. D. Filippova. Dokl. AN SSSR 162 no. 2:455-457 My '65.

Polysaccharides in mammalian ovaries under normal conditions and in acute radiation sickness. V. IA. Karmysheva. Tsitologiya 4 no. 5:565-570 S-O '62.

## POLYZOA, FOSSIL

Astrova, G. G. [Morphology, history of the development, and the system of Ordovician and Silurian Polyzoa.] Morfologiya, istoriya razvitiia i sistema ordovikskikh i siluriskikh mshanok. Moskva, Nauka, 1965. 431 p. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, no. 106).

## POPEL'SKII, LEV BERNARDOVICH, 1866-1920

Physiologist. L. B. Popel'skii. IU. I. Rafos. Fiziol. zhur. 51 no. 3:403-404 Mr '65.

## POPLAR

(see also subdivision under Vashlovani Preserve) Parthenocarp in birches, poplars and the black locust. G. D. Prolova. Bot. zhur. 50 no. 3:304-306 Mr '65.

POPLAR—VARIETIES see subdivision under Volgograd Province

#### POPOV, LEONID NIKOLAEVICH, 1896-1904

Leonid Nikolaevich Popov, an obituary. Arkh. pat. 21 no. 591-95 '65

#### POPPY

Alkaloids of some species of Papaver and Reemata and the structure of fugepavum. S. I. Uzunov, V. A. Matveichuk, S. T. Akimov. Izv. AN SSSR, Ser. khim. no. 3:502-504 '65.

Oils from the plants of the Papaveraceae family. L. A. Shustanova and others. Uzb. khim. zhur. 8 no. 5:78-42 '61

POPULAR MEDICINE see Medicine, Popular

#### POPULATION

Population, food and the earth. V. L. Andronov. Priroda 51 no. 4:64-63 Ap '65.

#### POPULISM (NARODNICHESTVO)

The First International and Russian democratic criticism of the second half of the 19th century, on the centennial of the First International. N. A. Glagolev. Vest. Mosk. univ. Ser. 7. Filol. zhur. 20 no. 2 3-8 Mr.-Ap '65.  
The origins of Leninism; the struggle of the Russian revolution; Marxists against petty-bourgeois socialism and revisionism at the end of the 19th century. V. D. Mochalov. Ist. SSSR 0 no. 2-3-24 Mr.-Ap '65

#### POROSITY

Using a mercuric porosimeter to study the differential porosity of cement and sand-lime samples. D. S. Sosnitskii, L. I. Edel'man. Sbornik trudov VNIISIM no. 3 120-131 '60.

#### POROUS MATERIALS—DRYING

Unit for the dehydration of capillary-porous materials. V. S. Zaitsev. Bul. tekhn.-ekon. inform. Gos. nauch.-issled. inst. nauch. i tekhn. inform. 18 no. 2:23-24 F '65.

#### POROUS MATERIALS—TESTING

Investigating the regularities of strength changes during the bonding of certain copper-base ceramic metal materials. I. M. Storozhevskii, N. A. Filatova. Porosh. met. 5 no. 5:63-70 My '65.

Temperature dependence of the moisture-transfer potential of capillary-porous bodies. V. M. Kazanskii. Inzh.-fiz. zhur. 0 no. 2:211-215 F '65

#### PORPHYRINE—SPECTRA

Quasi-line elect. on spectra of tetraazeporphyrine. A. N. Sevechenko and others. Dokl. AN SSSR 161 no. 0 1313-1316 Ap '65.

#### PORPHYRIN AND PORPHYRIN COMPOUNDS

Porphyin pigments of green sulfur bacteria. V. F. Uspenskaja. Dokl. AN SSSR 162 no. 1 940-913 Je '65.

PORPHYRY see subdivision under Chalkal Range; Glassar Range

#### PORT DISTRICTS—AUDITING AND INSPECTION

Economic council in operation. A. Glebov. Bukh. uch. 21 no. 10:29-30 O '64.

#### PORTAL HYPERTENSION

Interrelationship between the changes in blood and lymphatic vessels of the liver in experimental portal hypertension and annular cirrhosis of the organ. E. V. Kapustina. Dokl. AN SSSR 161 no. 4:992-995 Ap '65.

#### PORTLAND CEMENT

Studies in the sulfate resistance of portland cement. I. A. Sanadre. Sbornik AN Gruz. SSR 37 no. 3 627-634 Mr '65

#### PORTUGAL—POLITICAL PRISONERS

Twelve years in jail. M. Barrios. Vsem. prof. dvizh. no. 3:29-30 My '65

#### POSITRONS

Annihilation of polarized positrons in nickel. V. L. Sedov. Zhur. eksp. i teor. fiz. 48 no. 4:1200-1201 Ap '65.

Annihilation of slow positrons in alkali metal hydrides. Part 2. A. V. Ivanova, E. P. Prokopyev. Zhur. eksp. i teor. fiz. 48 no. 4:1155-1158 Ap '65.

#### POSTAL SERVICE

(see also subdivision under Gorno-Altai Autonomous Province)

Automated post office. Vest. aviats. 25 no. 3:50-51 Mr '65

Experience in the organization of delivery service in a telecommunication center. A. A. Krasinskaja. Vest. aviats. 25 no. 3:17-18 Mr '65.

Mechanization of work processes in postal service is a problem of utmost importance. Vest. aviats. 25 no. 3 26 Mr '65

#### POSTAL SERVICE—EMPLOYEES

There should be no complaints about one's work. I. G. Papinako. Vest. aviats. 25 no. 3 21-22 Mr '65

#### POSTERS

Literature for posters on covers. Bibliotekar' 42 no. 3:26 Mr '65.

#### POSTOPERATIVE CARE

Early fully adequate nutrition for patients following resection of the stomach. V. G. Valter, I. P. Chichkov. Vest. khir. 93 no. 12:11-14 D '64

Extrapulmonary use of nitrogen oxide in the early postoperative period. N. V. Rozovskii, A. O. Alks. Vest. khir. 93 no. 12:74-78 D '64

Use of ethylmorphine in the treatment of respiratory disorders in early postoperative period. M. M. Byk. Vest. khir. 94 no. 2:86-88 F '65.

#### POSTURE

Concerning Professor L. I. Shul'tsova's article "Defects of posture and scoliosis." I. I. Kon. Ortop. i travm. i protez. 26 no. 1:81-82 Ja '65.

Defects of posture and scoliosis. R. B. Akhmedzhanov and others. Ortop. i travm. i protez. 26 no. 2 74 F '65

#### POTASH INDUSTRY

Men'shikova, Z. I. [Technical and economic indices in the potash industry and prospects for the expansion of production and consumption of potash fertilizers during the period ending in 1970]. Tekhniko-ekonomicheskie pokazateli v kalijnoi promyshlennosti i perspektivy rosta proizvodstva i potrebleniia kalijnykh udobrenii na period do 1970 goda. Novosibirsk, Red.-izd. otdel Sibirskogo otd-nia AN SSSR, 1965. 8 p.

#### POTASSIUM

Moscow. Nauchnyi institut po udobreniam i insektofungitsidam. [Potassium fertilizers]. Kalijnye udobreniia. Pod red. K. P. Magut'skogo, D. V. Khar'kova. Moskva, Kolos, 1964. 206 p. (DNA L)

#### POTASSIUM—ANALYSIS

Comparative study of the accelerated perchlorate and the spectrophotometric method for determining the content of potassium in minerals. B. A. Lashikh. Sbornik AN Gruz. SSR 29 no. 1 25-30 Ji '62

POTASSIUM—EFFECT ON PLANTS see Plants, Effect of potassium on

#### POTASSIUM—PHYSIOLOGICAL EFFECT

Effect of chlorine ions on the process of depolarization and repolarization of the membrane of muscle fibers following a change in the potassium concentration in Ringer's solution. I. S. Magna. i fiziol. zhur. [Ukr.] 9 no. 1:56-60 Ja-F '63.

#### POTASSIUM FERROCYANIDE

Reaction of zirconium and hafnium chlorides with potassium ferrocyanide in aqueous solutions. N. F. Savenko, I. A. Sheka. Ukr. khim. zhur. 31 no. 1:18-23 '65.

#### POTASSIUM IODIDE

Effect of potassium iodide on the iodine-polyvinyl alcohol color reaction. L. G. Tebelev, N. A. Slikina. Dokl. AN SSSR 161 no. 5:1086-1087 Ap '65.

#### POTASSIUM PERCHLORATE—THERAPEUTIC USE

Treatment of diffuse toxic goiter with potassium perchlorate combined with reserpine. V. G. Baranov, N. F. Nikolaenko, G. S. Stepanov. Probl. endok. i gorm. 11 no. 1:13-9 Ja-F '65.

#### POTASSIUM SALTS

Possibility of using gouges of Storebin potassium salt deposits as fertilizers. A. M. Dzem'ianov. Vest. AN BSSR, Ser. sel'skosp. nav. no. 1:37-41 '65

#### POTATO HARVESTING MACHINERY

Complex of machines for potato growing. A. Kar'nov. Tekh. v sel'skhoz. 25 no. 4:9-12 Ap '65

#### POTATO MOSAIC VIRUS

Secondary clarification of the plant sap of X-virus infected potatoes on native ion-exchange resins. I. U. M. Sheld'ko, N. O. Shevchenko. Mikrobiol. zhur. 27 no. 2:76-82 '65.

#### POTATO PLANTERS (MACHINES)

Characteristics of the operation of the SN-4B planter. A. Kashintsev, S. Lipetskii. M. Khim. Tekh. v sel'skhoz. 25 no. 4:83-86 Ap '65.

#### POTATO PLANTERS (MACHINES)—ELECTRIC DRIVING

Power takeoff from a synchronous shaft in driving the SN-1B potato planter. S. Golovitsyn, M. Kan, E. Kislakov. Tekh. v sel'skhoz. 25 no. 4:68-69 Ap '65.

#### POTATO PRODUCTS

Genin, S. A. [New types of dehydrated potato products; dehydrated mashed potatoes]. Novyye vidy sushenykh produktov iz kartofelia; sukhoe kartofel'noe plure. Moskva, Pishchevaia promyshlennost', 1965. 133 p.

Improving the quality and expanding the assortment of products made from potato, corn and other grain crops. P. T. Sulimenko. Khar. prom. no. 2 74-75 Ap-Je '65

#### POTATOES

(see also subdivision under Ararat Plain)

Paziruk, K. I. [Utilization of the wastes of the overall processing of potato]. Ispol'zovanie otkhodov pri kompleksnoi pererabotke kartofelia. Moskva, Tsent. int. nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 51 p. [MICROFILM]

Physiological mechanisms connected with the development of potato sprouts. Agrokhimia no. 1:111-118 Ja '65.

Progressive techniques in potato growing. G. A. Abelian. Shkola i prolav. 9 no. 5:73-75 My '65

#### POTATOES—ANALYSIS

Protein substances of potato. N. N. Mel'teva and others. Izv. vys. ucheb. zav. pishch. tekhn. no. 2 82-84 '65

#### POTATOES—CLEANING

Separating potatoes by the photoclectric method. F. I. Batiarov. Trakt i sel'khoz. mash. no. 3 23-26 Mr '65

#### POTATOES—DISEASES AND PESTS

Use of gibberellin for determining the latent and inconspicuous forms of virus diseases of potatoes. P. G. Chesnokov. Bul. VIR no. 10 3-7 '62

#### POTATOES—DRYING

Genin, S. A. [New types of dehydrated potato products, dehydrated mashed potatoes]. Novyye vidy sushenykh produktov iz kartofelia; sukhoe kartofel'noe plure. Moskva, Pishchevaia promyshlennost', 1965. 133 p.

#### POTATOES—FERTILIZERS AND MANURES

(see also subdivision under Daghestan)  
Effect of fertilizers on the quality of potatoes. N. P. Zueva, N. I. Tikhonov. Khim. v sel'khoz. 3 no. 3:18-22 Mr '65

Effect of fertilizers on the yield of potato varieties during the vegetation of the plant. L. L. Balashev. Agrokhimia no. 3 76-82 Mr '65.

#### POTATOES—STORAGE

Biochemical changes in the carbohydrates of potato tubers during storage and their effect on the quality of dried potato and potato crisps. A. S. Lobanova, M. Z. Pokrovskaya. Koms. i ov. prom. 20 no. 5 16-19 My '65

Practises in equipping existing potato storehouses with an active ventilation system. I. Volkov, G. Shumetov. Sel. stroi. 19 no. 1:14-16 Ja '65.

POTATOES—VARIETIES see subdivision under White Russia

#### POTENTIAL, THEORY OF

Hausdorff measures and capacities, Estimates of potentials. N. S. Lanskof. Usp. mat. nauk. 20 no. 2:189-195 Mr.-Ap '65.

Integral transformations and the location of the singularities of the logarithmic potential. G. M. Voskresenskii. Izv. AN SSSR Fiz. zem. no. 1:78-89 '65

An inverse problem in the theory of logarithmic potential. V. N. Strakhov. Izv. AN SSSR Fiz. zem. no. 1:80-97 '65

Some problems involving the optimum motion of a point. I. U. Z. Aleshkov. Vest. LGU 20 no. 7:78-86 '65.

#### POTENTIOMETRIC ANALYSIS

Alkalimetric determination of germanium as triphenylgermanic acids. V. A. Nazarenko, A. M. Andrianov. Ukr. khim. zhur. 30 no. 6:620-624 '64.

Chronopotentiometric determination of the diffusion coefficients in fused carbonates. N. Kh. Tumanova. Ukr. khim. zhur. 30 no. 6:648-649 '64

Electrochemical characteristics of nickel in the process of its reduction by hypophosphites. K. M. Gorbunova, A. A. Nikiforova. Zashch. met. 1 no. 1:83-89 Ja-F '65.  
Method of nonaqueous titration for the analysis of nitrogen fertilizers. L. D. Kambulova and others. Khim. v sel'khoz. 3 no. 3:26 Mr '65.

Potentiometric acid-base titration in dimethylformamide. N. P. Dzuba, A. A. Izmailov. Ukr. khim. zhur. 31 no. 4 403-408 '65

Redox potentials and absorption spectra in ultraviolet and visible regions in some homoannular disubstituted ferrocene derivatives. A. N. Nesmelanov and others. Izv. AN SSSR, Ser. khim. no. 5:809-811 '65.

#### POTENTIOMETER

Using the R2/1 semiautomatic potentiometer for accurate automatic recording of electrical magnitudes. V. E. Funkei'shtein, A. N. Kiselev. Izv. tekhn. no. 3:46-47 Mr '65.

#### POTTERY

(see also subdivision under Pergamum)

Artistic earthenware. G. Plekhova. Inform. bul. VDNKH no. 4:38 Ap '65.



## YTTERY (Continued)

ew assembly line for the manufacture of porcelain cups  
I. G. Reznikov. *Stek i ker.* 22 no. 4:40-42 Ap '65  
units pellets as raw material for the manufacture of  
faience products. Z. A. Lyson, M. I. Ryachenko  
*Stek i ker.* 22 no. 1:20-23 Ap '65

## YULTRY

(see also subdivision under Kiev region)  
studying the autolytic and denaturing transformations  
in the muscles during the storage of poultry meat  
P. E. Pavlovskii, M. P. Gligoleva. *Izv. vuz. uch. zav.*  
*ptshch. tekhn.* no. 2:61-6 '65

## YULTRY—DISEASES AND PESTS

(see also subdivision under Turkmenistan)

Detecting the virus of infectious laryngotracheitis of  
poultry using tagged fluorescent antibodies. V. N.  
Sturin, M. A. Shustochenko, Z. I. A. Chistova. *Vop. vet.*  
*virus.* 1:426-430 '64.

Studying the biological characteristics of the virus of  
infectious laryngotracheitis of fowl. G. A. Leshava,  
A. I. Urushadze. *Vop. vet. virus.* 1:401-412 '64  
Variants of the virus of infectious laryngotracheitis of  
poultry. Z. I. A. Chistova, V. N. Sturin. *Vop. vet. virus.*  
1:413-125 '64.

POULTRY—FEEDING AND FEEDS see subdivision  
under Sahhalin

POULTRY BREEDING see subdivision under Estonia

## POULTRY HOUSES AND EQUIPMENT

Isolating the air in poultry houses for laying hens. N. M.  
Komarov, K. P. Semenov. *Dokl. Akad. sei'khov.* nauk  
no. 2:27-28 F '65.

Working out the technology for the commercial production  
of broiler meat and eggs. S. I. Smetnev. *Izv. TSKHA*  
no. 5:197-211 '64.

POULTRY INDUSTRY see subdivision under Virgin  
Territory

## POULTRY PLANTS—HYGIENIC ASPECTS

Characteristics of an ornithosis outbreak in a poultry  
slaughterhouse. I. D. Neltubov. *Trudy TSIU* 60:52-54  
'64.

POVERTY see subdivision under United States

## POWDER METAL PROCESSES

Determining the boundary angle of feed during the  
rolling of metal powders. M. V. Mal'tsev, A. N.  
Nikolaev, V. G. Khromov. *Porosh. met.* 5 no. 5:  
17-19 My '65.

Investigating the compaction of metal powders during  
rolling. V. P. Katsashinski, G. A. Vnogradov,  
*Porosh. met.* 5 no. 5:8-16 My '65.

Methods of joining ceramic metal filtering materials.  
E. I. Pavlovskaya, Z. V. Gortacheva. *Porosh. met.* 5  
no. 4:88-93 Ap '65.

Wear resistant powder tape hard facing of metallurgical  
equipment. E. F. Belousov. *Metallurg* 10 no. 3:33-35  
Mr '65.

## POWDER METAL PRODUCTS

Radial and axial shrinkage of metal powder compacts.  
Ismail El-Shanshuri. *Porosh. met.* 5 no. 4:103-109  
Ap '65.

## POWDER METALLURGY

Ceramic metal magnesium and magnesium-beryllium  
alloys. V. B. Ivanov and others. *Porosh. met.* 5  
no. 5:46-53 My '65.

Contact and elastic characteristics of powder copper.  
I. Fedotov. *Izv. AN SSSR, Met.*

lungsten alloy. D. F.  
Smolin. *Porosh. met.*

Dispersity of the carried-off particles during the pro-  
cessing of granular materials in fluidized and suspended  
states. E. V. Donat. *Izv. AN SSSR, Met.* no. 1:39-45  
Ja-F '65.

Effect of silicon on the formation and properties of  
tungsten-nickel-copper contacts. O. K. Teodorovich,  
G. V. Levchenko, O. L. Vlasenko. *Porosh. met.* 5  
no. 5:58-62 My '65.

Effect of the addition of various oxides on the electric  
and magnetic properties of copper-manganese ferrites.  
A. I. Andrievskii, N. N. Karelin, I. U. G. Ilt'evskii.  
*Porosh. met.* 5 no. 4:44-48 Ap '65.

Effect of the surface state of particle layers on the  
sintering process of magnetite powders. A. F.  
Bessonov, V. M. Ust'iantsev. *Porosh. met.* 5 no. 5:  
20-23 My '65.

Investigating surface and contact phenomena in metallic  
systems and their technological applications. V. N.  
Ermenko. *Porosh. met.* 5 no. 1:42-57 Mr '65.

Manufacture and use of niobium carbide products. O. P.  
Kolchin, I. K. Berlin. *Porosh. met.* 5 no. 4:28-34  
Ap '65.

Nonporous materials of a high degree of hardness prepared  
by impregnation. N. D. Leznik. *Porosh. met.* 5 no. 1:  
20-21 Mr '65.

Plasma atomization of molybdenum. A. N. Krasnov

*Porosh. met.* 5 no. 3:1-5 Mr '65.

Properties of ceramic metal hard alloys of WC-TiC-Co  
with additions of tantalum carbide. G. S. Kreimer and  
others. *Porosh. met.* 5 no. 4:35-13 Ap '65.

Technology of the manufacture of scandium-containing  
ferrites. B. S. Andreev, D. L. Bondarev. *Porosh. met.*  
5 no. 1:50-52 Ap '65.

## POWDER METALLURGY—EQUIPMENT AND SUPPLIES

Design and manufacture of metal dies for automatic  
presses. N. A. Golovan', N. I. Shcherban'. *Porosh.*  
*met.* 5 no. 4:84-98 Ap '65.

## POWDER METALLURGY—SAFETY MEASURES

The radiation factor in the production of thoriated tungsten  
products by the ceramic metal method. L. P. Poliakova,  
K. P. Kramich. *Porosh. met.* 5 no. 1:106-110 Mr '65.

## POWER ENGINEERING

(see also subdivision under Ukraine)

Power engineering opens new perspectives. Z. Chukhanov  
NTO 7 no. 3:9-12 Mr '65.

Scientific and technical problems in the power and electric  
engineering. D. G. Zhimerlin, Blul. tekhn. -ekon. inform.  
Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 2:  
40-43 F '65.

## POWER PRESSES

Automatic press for making tablets of plastics powder.  
V. A. Scherbatiykh. *Blul. tekhn. -ekon. inform. Gos.*  
*nauch. -issl. inst. nauch. i tekhn. inform.* 18 no. 2:28-29  
F '65.

Calculating friction units of crank presses with reflex  
inserts. V. I. Vlasov, L. S. Kokhan. *Vest mashinost.*  
45 no. 4:26-29 Ap '65.

Introducing the K3537 press. I. P. Frid, Blul.  
tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn.  
inform. 18 no. 3:27-28 Mr '65.

## POWER PRESSES—TRANSMISSION DEVICES

Ways of increasing the life of V belts in the drive of  
crank presses for forging. N. D. Kulakov. *Kuz. sniat.*  
*proizv.* 7 no. 1:38-41 Ja '65.

## POWER TOOLS

Goncharov, S. I. [Electromechanical lifting jack and nut  
setter]. *Elektromekhanicheskii pod'emnik-gaikovort.*  
[Lipetskoe knizhnoe izd-vo, 1963. 11 p.  
(Sovetskii perelat)]

## POWER TRANSMISSION

Moscow. Universitet družby narodov. Kafedra "Kon-  
struktivnykh detalей, uzlov mashin i mekhanizmov." [Ab-  
stracts of lectures in the course "Machine parts"] Kon-  
spekt lektsii po kursu "Detali mashin." Moskva.  
Pt. 1. Lectures 1-7. [General information. Joints]  
Oshchie svedeniia. Spetsialnaia. 1964. 80 p.  
Pt. 2. Lectures 8-14. [Power transmissions] Pere-  
dachi. 1964. 108 p.

[MICROFILM]

PRAGMATISM see subdivision under United States

## PRAGUE—DESCRIPTION

Golden Prague. Jiri Marek. *Nov. vrem.* 22 no. 26:  
28-29 My '65.

## PRASEODYMIUM

Praseodymium sesquiselenide. V. I. Kalitin, E. L.  
Iaremush, N. P. Luzhina. *Izv. AN SSSR, Neorg. mat.*  
1 no. 1:53-56 Ja '65.

Rare-earth zirconates and their physicochemical prop-  
erties. Report No. 2: Praseodymium zirconate  
Pr. ZrO<sub>2</sub>. Fan' Fu-kan [Fan Fu-kang], A. K. Kuzne-  
tsov, B. K. Keler. *Izv. AN SSSR, Ser. khim.* no. 4:  
585-588 '65.

## PRECAST CONCRETE

(see also subdivision under Transcaucasia; Ust'-  
Kamenogorsk)

Some technical and economic features of using steel con-  
crete in machinery manufacturing. D. M. Chernenko.  
*Trudy LPI* no. 244:94-98 '65.

## PRECAST CONCRETE—CURING

Economic effectiveness of electric curing of precast  
reinforced concrete. L. G. Ruderman, I. U. P. Kliushnin,  
D. D. Shemitskin. *Stroitel. arkhit. Uzb.* 6 no. 2:19-20  
F '65.

## PRECAST CONCRETE—TECHNOLOGICAL INNOVATIONS

see subdivision under Novosibirsk

## PRECAST CONCRETE CONSTRUCTION

(see also subdivision under Krivoy Rog Basin;

Leningrad; Minsk; Moscow)  
Designs of joints for precast reinforced concrete struc-  
tures. E. M. Karp. *Gidr. i mel.* 17 no. 2:32-38 F '65.

Precast reinforced concrete tower headframes and pros-  
pects for using them in the Krivoy Rog Basin. V. I.  
Khoruzhii. *Shakht. stroit.* 8 no. 4:5-8 Ap '65.

Standardization of precast reinforced concrete bridge  
spans. I. U. K. Krylov, Bot. i zhel.-bet. 8 no. 9:401-  
408 S '63.

## PRECIPITATION (CHEMISTRY)

Distribution of elements between the precipitate and  
solution depending on the conditions of precipitation.  
N. S. Fortunatov, N. I. Vartapetova. *Uk. khim. zhur.*  
30 no. 6:589-593 '64.

## PRECIPITATION (METEOROLOGY)

(see also subdivision under Russia, Northwestern,  
Sibtykvar region)

Mesodiverture of frontal precipitation. A. I. Romov.  
*Meteor. i gidrol.* no. 6:19-23 Je '65.

## PRECISION CASTING

Raising the precision of investment castings in small-  
lot manufacture. M. L. Khenkin and others. *Lit. proizv.*  
no. 6:3-6 Je '64.

Use of precision casting in the automobile industry. O. V.  
Mikulov. *Avto. prom.* 11 no. 4:15 Ap '65.

PREFABRICATED BUILDINGS see Buildings, Pre-  
fabricated

## PREGNADIENEDIONE

Treatment of non-suppurative thyroiditis with a subacute  
course with pregnadienedione and ACTH. V. R. Kliachko.  
*Probl. endok. i gorm.* 11 no. 1:21-25 Ja-F '65.

## PREGNANCY, COMPLICATIONS OF

Biochemical and histochemical research on placental  
proteins in late pregnancy toxemia. E. M. Ust'ev,  
V. I. Lettan, V. K. Balanchuk. *Akush. i gin.* 40 no. 5:  
57-61 S-O '64.

Case of congenital toxoplasmotic meningoencephalomyelitis  
complicated by edematous form of symptomatic erythro-  
blastosis. N. F. Silina. *Arkh. pat.* 27 no. 5:67-70  
'65.

Changes in kidney function in late pregnancy toxemia.  
L. V. Kolomeichuk. *Akush. i gin.* 40 no. 5:60-72 S-O  
'64.

Characteristics of the course of late toxemia in pregnant  
women with hypertension. I. I. Benediktov, A. M.  
Shevchenko. *Akush. i gin.* 40 no. 5:61-65 S-O '64.

Course of pregnancy and labor in women with gonor-  
rhea based on data of the Dudinka Maternity Home of Kras-  
noyarsk Territory, Taimy National Area. N. A. Neka.  
*Akush. i gin.* 40 no. 5:150-151 S-O '64.

Diabetes and pregnancy. M. K. Makhmudbekova. *Azerb.*  
*med. zhur.* 42 no. 1:15-21 Ja '65.

Effect of medicinal substances on the fetus. V. I. Rodia-  
zhina. *Akush. i gin.* 40 no. 5:22-28 S-O '64.

Importance of organic heart diseases in the outcome of  
pregnancy and labor complicated by obstetric pathology.  
I. U. A. Pashkova. *Akush. i gin.* 40 no. 5:114-118 S-O  
'64.

Pregnancy and labor in patients with congenital micro-  
spherocytic hemolytic anemia. T. P. Barkhatova.  
*Akush. i gin.* 40 no. 5:72-78 S-O '64.

Vehsels of the fundus oculi in pregnancy nephropathy  
based on photocalorimetric data. N. P. Delov. *Akush.*  
*i gin.* 40 no. 5:85-89 S-O '64.

## PREGNANCY, EXTRAUTERINE

Combination of a rupture of the fallopian tube in tubal  
pregnancy with strangulated hernia. A. D. Mishchuk.  
*Vest. khir.* 93 no. 12:104 '64.

## PREGNANCY, PROTRACTED

Characteristics of the structure of the human placenta in  
prolonged pregnancy. O. I. Topchiyova, Z. P. Zhemkova.  
*Akush. i gin.* 40 no. 5:54-57 S-O '64.

## PRELIMINARY EXAMINATIONS (CRIMINAL PRO- CEDURE)

Zhogin, N. V., and F. N. Fatkullov. [Preliminary examina-  
tion in Soviet criminal procedure]. *Prevaritel'noe*  
*sledstvie v sovetskoi ugolovnom protsessu*, Moskva,  
*Iuridicheskaya literatura*, 1965. 368 p.

## PREOPERATIVE CARE

Morphological changes in a tumor during the preoperative  
treatment of pulmonary cancer with Thio-TEPA. V. V.  
Badmaeva and others. *Khirurgia* 41 no. 4:24-32 Ap  
'65.

PRESCHOOL EDUCATION see Education, Preschool

## PRESCRIPTION WRITING—HANDBOOKS, MANUALS, ETC.

Mazmanian, T. S. G. [Prescription manual on urogenital  
diseases; an aid for the practicing physician]. *Rospet-*  
*turnyi spravochnik po mocheopolovym bolezni; v*  
*posmoshch' prakticheskoiu vrachu*, Tashkent, Medi-  
tsina, 1964. 180 p.  
(DNLM)

## PRESS

Budnikov, V. P. [The Bolshevik Party periodical press  
before and during the October Revolution (March 1917-  
February 1918); author's abstract of a dissertation for the  
degree of Doctor of Historical Sciences] *Bolshe-*  
*vistskaya partinaya periodicheskaya pechat' v period*  
*podgotovki i provedeniia Oktabr'skoi revoliutsii* (mart  
1917 g. - fevral' 1918 g.); avtoreferat dissertatsii na so-  
iskanie uchenoi stepeni doktora istoricheskikh nauk, Mo-  
skva, Mosk. gos. pedagog. in-t, 1963. 53 p.  
[MICROFILM]

## PRESSURE

Dynamics of oxygen in the blood and brain tissues of animals at high altitude during respiration under excessive pressure. I. N. Cherniakov, V. L. Popkov. Pat. fiziol. i eksp. ter. 9 no. 2:18-23 Mr.-Ap '65.

Protective role of oxytetracycline and streptomycin in increased oxygen pressure. A. M. Dumova, A. G. Zhironkin. Pat. fiziol. i eksp. ter. 9 no. 2:23-26 Mr.-Ap '65.

## PRESSURE—MEASUREMENT

Manometric method for determining the gas exchange intensity in aquatic animals. N. S. Gaeyskaya and others. Zool. zhur. 44 no. 2:169-177 '65.

Röntgenomanometric examination of the biliary tract. V. V. Vinogradov, E. V. Grishkevich. Vest. khir. 93 no. 12:10-24 D '64.

## PRESSURE REGULATORS

Pressure regulator for larger tanks. S. M. Arkhipov. Term. i split. pom. 31 no. 4:33 '65.

## PRESSURE VESSELS

Lutajuk-Kladin, V. A. [New method of producing two-layer rolled plate for high-pressure vessels] Novyi sposob proizvodstva tolstostennogo dvukhsloynnogo prokata dlin sosudov davleniya. Kiev, Naukova dumka, 1965. 69 p.

## PRESSURE VESSELS—PARTS

Russkii (1923- ) U. S. S. R. Komitet standartov, mor. i izmeritel'nykh priborov. [Copper vessels and apparatus; basic units and parts] Sozdaniye i apparaty mednyye, osnovnyye uzly i detali. Moskva, Izd-vo standartov (SSSR, Normativ mashinostroyeniya).

Sbornik 2. [Bosses, edge collars and branch pipes for Pnomin. 6 kgf/cm<sup>2</sup>] Bobyski, Borisshaib. 1 patrubki na P<sub>n</sub> = 6 kgf/cm<sup>2</sup> (MN 5234-64 — MN 5239-64) 1964. 11 p.

Sbornik 3. [Connections and pipe outlets through connections and sleeves for Pnomin. 6 kgf/cm<sup>2</sup>] Shitsoy I. vyvody tub mednykh cherez slitsy i gil'zy na P<sub>n</sub> = 6 kgf/cm<sup>2</sup> (MN 5240-64 — MN 5242-64). 1964. 10 p.

## PRESSURED CONCRETE

Method for reducing relaxation losses in wires and wire strands, based on the materials of the Fourth International Congress of the International Union of Prestressing. V. V. Mikhailov, A. A. Polomeev. Bet. i zhel.-bet. 9 no. 8:266-268 Je '63.

Stresses and elongation of post-tensioned concrete reinforcement. A. A. Tamarin. Bet. i zhel.-bet. 9 no. 8:268-270 Je '63.

Three-way prestressed elements in the compressed zone of composite structures under bending. V. V. Mikhailov, G. A. Gambarov. Bet. i zhel.-bet. 9 no. 8:303-307 S '63.

## PRESSURED CONCRETE PRODUCTS

Calculating and selecting cross sections for prestressed concrete elements. A. T. Zhidunov. Bet. i zhel.-bet. 9 no. 8:282-288 Je '63.

Precast prestressed reinforced concrete tanks. A. Fateev. Prom. stroit. i inzh. soor. 6 no. 2:39-41 Mr.-Ap '64.

## PRIANISHNIKOV, DMITRII NIKOLAEVICH, 1865-1948

D. N. Prianishnikov, founder of Soviet agricultural chemistry. A. V. Vatagin. Sbor. nauch. trud. Ivan. sel'khoz. inst. no. 2:13-22 '63.

## PRIPILOF ISLANDS—SHRIMPS

Some results of the study of the biology and distribution of shrimps in the Pripiel of the Bering Sea. B. G. Ivanov. Trudy VNIRO 49:113-122 '64.

## PRICKLY PEAR see subdivision under Ukraine

## PRIMORSKOYE (ZAPOROZH'YE PROVINCE)—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Have they handled me properly? V. Lomakin. Part. zhizn' no. 11:30 Je '65.

## PRIMOV, KURBAN, 1880-

Abasova, E. G. Kurban Primov. Moskva, Sovetskii kompozitor, 1963. 30 p. (Narodnye pesny i muzykanty) (MII)

## PRINTED CIRCUITS

Dmitriev, L. N. [Group method for manufacturing printed circuits and the resolving capability of diagrammatic silk nets] Gruppyvyy metod izgotovleniya pechatnykh skhem i razreshayushchaya sposobnost' tekhnologicheskikh setok. Leningrad, 1965. 30 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Pereodovoi proizvodstvenno-tehnicheskii opyt. Seriya: Tekhnologiya proizvodstva radioelektronnogo apparatury)

## PRINTERS

Printers during the years of the Great Patriotic War. S. B. Fridman, M. L. Margolin. Poligrafia no. 5:16-18 My '65.

## PRINTING

(see also subdivision under Ukraine)

Beikman, E. M., and others. [Aniline printing; technology, equipment, and finishing processes] Anilinovala pechal'; tekhnologiya, oborudovaniye, otdechnyye protsessy. Moskva, Izd-vo "Kniga," 1965. 158 p.

Efficiency experts suggest. Poligrafia no. 3:31-34 Mr '65.

Improving the work of printers in the Russia Federation. L. S. Grushko. Poligrafia no. 3:16-18 Mr '65.

Mechanizing the preparatory processes in printing. L. I. Sevelova. Poligrafia no. 3:22-25 Mr '65.

Notes of a printer at the front. I. G. Levitas. Poligrafia no. 3:39-41 Mr '65.

Put specialization in printing under the control of the technological community. M. V. Pashkov. Poligrafia no. 5:26-27 My '65.

Trends in the development of the principal printing processes. V. S. Laputukhin. Poligrafia no. 5:28-31 My '65.

We are proud of your achievements. Poligrafia no. 3:1-3 Mr '65.

## PRINTING—CONGRESSES

Konferentsiya po nauchnym osnovam protsessov pechataniya i putiam ikh sovershenstvovaniya. Moscow, 1961. [Transactions of the Conference on the Scientific Basis of the Processes of Printing and Methods for Their Improvement] Trudy. Moskva, Nauchno-tekhn. ob-vo poligrafii i izdatel'stv.

No. 1. [Reports] Doklady. 1961. 44 p.

[MICROFILM]

## PRINTING—EXHIBITIONS

Exhibition of typographic art in Tallinn. S. B. Teingater. Poligrafia no. 3:41-42 Mr '65.

## PRINTING INDUSTRY

Establish a stable printing base for the district press. L. S. Grushko. Poligrafia no. 5:6-7 My '65.

For further improvement in the printing industry. Poligrafia no. 5:1-3 My '65.

## PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur.: Tekh. i obor. tsel.-bum. i poligr. proizv. no. 5 My '65.

## PRINTING INK see subdivision under Torzhok (Kalinin Province)

## PRINTING MACHINERY AND SUPPLIES

Improved production methods in the gravure department. L. A. Pavlichenko. Poligrafia no. 3:29-31 Mr '65.

Improvement in the design of linecasting machines. B. A. Vorokhobin. Poligrafia no. 5:34-37 My '65.

In the No. 1 Model Printing Plant. M. Zebotina, N. Filippova. Poligrafia no. 3:29 Mr '65.

Norms of durability and reliability for printing machinery. L. M. Kheifets. Poligrafia no. 5:37-40 My '65.

Organizing the repair of equipment. I. V. Pekun. Poligrafia no. 3:25-28 Mr '65.

## PRINTING MACHINERY AND SUPPLIES—PATENTS

[Patent literature on problems of the printing industry, 1960; a bibliographic manual] Patentnaya literatura po voprosam poligraficheskogo proizvodstva 1960 god; bibliograficheskiy spravochnik. [By] E. L. Nemirovskii. Moskva, Izd-vo NIPOLIGRAFMAsh, 1963. 237 p. (Seriya bibliograficheskikh ukazatelei)

## PRIPET VALLEY—GEOLOGY, STRUCTURAL

Yalabusevich, I. A. [Pripet graben; practice in the paleotectonic analysis of its present-day structure] Pripletskii graben; opyt paleotektonicheskogo analiza sovremennogo stroeniya. Kiev, Naukova dumka, 1965. 170 p.

## PRIVATE LIBRARIES see Libraries, Private

## PRIVATE PROSECUTORS see subdivision under Kherson Province

## PROBABILITIES

Evaluation of the amplitude of distribution laws. V. I. Rozenberg. Radiotekh. i elektron. 10 no. 4:610-613 Ap '65.

Gnedenko, B. V., and A. I. Khinchin. [Elementary introduction to the theory of probability] Elementarnoe vvedenie v teoriyu veroyatnostei. Izd. 5. Moskva, Nauka, 1964. 142 p.

Probability model of a multilinear signal counter. A. A. Alekseev. Kibernetika no. 2:80-87 Mr.-Ap '65.

Smirnov, N. V., and I. V. Dunin-Barkovskii. [Course in probability theory and mathematical statistics for technical applications] Kurs teorii veroyatnostei i matematicheskoi statistiki dlia tekhnicheskikh prilozhenii. Izd. 2, ispr. i dop. Moskva, Nauka, 1965. 511 p.

## PROCOLLAGEN

Properties of procollagen extracted from sarcomas. A. Kh. Kogan. Arkh. pat. 27 no. 5:8-15 '65.

## PRODIGIOSAN

Effect of bacterial polysaccharides on the growth of experimental tumors. Z. V. Ermolova and others. Antibiotiki 10 no. 2:134-137 F '65.

## PRODUCE TRADE

(see also subdivision under Bryansk District, Georgia, Kalinin Province, Kotlas District, Zaporozh'ye Province)

Bonuses established for collective and state farms for fulfilling contractual agreements. L. Nazarevskii. Zakup. sel'khoz. prod. no. 5:54-55 My '64.

Business-improving suggestions. Zakup. sel'khoz. prod. no. 3:31 Mr '65.

Ensure the fulfillment of contractual agreements. Zakup. sel'khoz. prod. no. 5:1-3 My '64.

Every collective farm should have an economically sound plan for state deliveries of agricultural products. L. Florent'ev, I. S. Sikota. Ekon. sel'khoz. 40 no. 5:9-19 My '65.

Improve the cooperators' efficiency in state deliveries of agricultural products. A. F. Klimov. Zakup. sel'khoz. prod. no. 5:6-11 My '64.

Let's buy more and store better. Sov. potreb. koop. 9 no. 4:24-25 Ap '65.

Let's conduct the procurement of wool in an organized way. T. Moldavev, B. Globin. Sov. potreb. koop. 9 no. 4:20-21 Ap '65.

Observe a strict state discipline in procurement. E. I. Bugrimov. Zakup. sel'khoz. prod. no. 5:12-14 My '64.

Prickly thins. Zakup. sel'khoz. prod. no. 3:56-57 Mr '65.

The reader suggests, advises and argues. Zakup. sel'khoz. prod. no. 5:50-53 My '64.

State delivery news. Zakup. sel'khoz. prod. no. 3:50-51 Mr '65.

Urgent measures. Sov. tovg. 38 no. 5:1-3 My '65.

Water melons, melons, and pumpkins. S. Nazarov. Zakup. sel'khoz. prod. no. 3:11-12 Mr '65.

## PRODUCE TRADE—PRICES

(see also subdivision under Uzbekistan)

Determining the net income in planning the state delivery prices. V. Boev. Ekon. sel'khoz. 40 no. 4:27-32 Ap '65.

State purchasing prices and optimal profitability. I. Lukinov. Ekon. sel'khoz. 40 no. 4:32-36 Ap '65.

## PRODUCTION CONTROL

Improve the chemical and technical production control. A. E. Norina. Gidroliz. i tsokhim. prom. 18 no. 3:32 '65.

Statistical method of production control in cotton spinning. O. A. Berezina. Tekst. prom. 25 no. 4:25-27 Ap '65.

## PRODUCTION ENGINEERING

(see also subdivision under Central Chernozem Economic region; Novocherkassk)

Analytic evaluation of the engineering efficiency of the production of metal structures. V. K. Fomichev. Vest. mashinost. 45 no. 4:55-60 Ap '65.

Determining the coefficient of shift capacity for industrial equipment. F. B. Komarov, A. P. Kogan. Mashinostroitel' no. 5:38-38 My '65.

Introducing the system of flawless output of industrial production. A. S. Nefedov. Bliz. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:10-12 F '65.

Manufacture of spare parts according to the maximum-minimum system. V. A. Uslov. Mashinostroitel' no. 5:10-11 My '65.

Noncyclic overlocks in line production. L. S. Belousov. Izv. vyz. ucheb. zav., mashinost. no. 4:188-194 '65.

Our additions to the Novocherkassk system. A. Ostaf'ev. NTO 7 no. 3:22-24 Mr '65.

Ways for speeding-up the assembly, adjustment and adaptation of automatic production lines. Yu. E. Erpsheer. Stan. i instr. 38 no. 5:3-7 My '65.

Zemlegladov, K. G., and T. A. Semonova. [Efficient ways of introducing the multiple machining method based on the standardization of parts and billets] Effektivnye puti vnedreniya metoda gruppyvov obrabotki na osnove unifikatsii detalei i zagotovok. Leningrad, 1965. 42 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Mekhanicheskaya obrabotka metallov)

## PRODUCTION STANDARDS

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud. 10 no. 2:142-143 '65.

Principles of establishing socialist work norms. N. Varzin. Nauch. dokl. vyz. shkoly; ekon. nauki 8 no. 5:43-49 '65.

## PRODUCTIVITY ACCOUNTING see subdivision under White Russia

## PROFIT SHARING

The "Kaiser plan" A. Kondrasheva. Mir. ekon. i mezhdunar. otn. no. 6:110-116 '65.



## PROTEIN METABOLISM

- Biochemical and histochemical research on placental proteins in late pregnancy toxemias. E. M. Iul'ev, V. I. Lektan, V. K. Balanchuk, Akush. i gin. 40 no. 5: 57-61 S-O '64.
- Change in some indices of protein metabolism in experimental sheep and rabbit fascioliasis and the normalizing role of vitamin A. E. A. Chubarin. Izv. AN Arm. SSR Biol. nauk. 18 no. 2: 57-67 F '65.
- How proteins are formed. L. L. Kiselev. Priroda 51 no. 5: 27-31 My '65.
- One of the mechanisms of adaptation of isolated mammalian cells to temperature. I. D. Skholl'. TSitologiya 4 no. 5: 562-565 S-O '62.
- Review of Professor Jozsef Szosz' book "Pathology of protein nutrition". S. I. A. Kaplan'ski. Arkh. pat. 27 no. 2: 86-87 '65.
- Study of protein metabolism in tissues of the central nervous system and the transplantable brain tumor at early stages of its development. N. G. Fain. Uzh. biol. zhur. 9 no. 2: 9-16 '65.

## PROTEINS

- Amino acid analysis of proteins, tissue extracts and biological fluids. L. P. Alekseenko. Sovr. metod. v biokhimi. 1:129-131 '64.
- Change in the isoelectric point and solubility in the isoelectric zone of brain proteins. V. F. Dunaleva, I. E. Ivanenko. Ukr. biokhim. zhur. 34 no. 3: 379-386 '62.
- Change in the protein composition of bean seeds as related to the conditions of nutrition. Tam Sun Kkhai, Phan Xuan Kha, B. P. Pleskov. Dokl. AN SSSR 162 no. 1: 215-216 My '65.
- Chromatography of proteins on ion exchangers and fractionation of mixtures, containing proteins, on columns with cephadex. L. M. Gindman. Sovr. metod. v biokhimi. 1:37-73 '64.
- Comparative study of water-soluble proteins in the initial and phage-resistant variants of *Salmonella gallinarum*-pullorum by paper electrophoresis method. V. O. Fridlov. Mikrobiol. zhur. 26 no. 3: 31-36 '64.
- Determination of terminal amino acids in proteins. O. V. Titokha. Sovr. metod. v biokhimi. 1:181-197 '64.
- Distribution of protein and polysaccharide in the cells of the plague microbe grown at 28 - 37°. E. E. Barkhakh, V. D. Egorova, E. P. Denisova. Zhur. mikrobiol., epid. i immun. 41 no. 10: 135-139 '64.
- Effect of chronic stimulation of the afferent nerves of the mammary gland on the synthesis of milk proteins in goats. A. G. Taranenko. Fiziol. zhur. 51 no. 3: 350-355 Mr '65.
- Effect of nitromycin C, actinomycin C and paromycin on protein synthesis in cellular strains obtained from human tumors. M. I. Lerman, M. S. Benimovich. Dokl. AN SSSR 162 no. 4: 956-959 Je '65.
- Effect of the foliar feeding of winter wheat with urea on the quantity and fractional composition of proteins in the grain. V. G. Mineev. Agrokhimia no. 1: 34-41 Ja '65.
- Effect of various light conditions on the development and protein content of pea seeds. S. I. Vengrenovskii, A. TS. Balduv. Dokl. Akad. sei. Khos. nauk no. 2: 9-13 F '65.
- Effect of various types of mineral fertilizers on the protein complex of sugar beets. E. A. Tonkai', E. P. Naumova. Khim. v sel. khoz. 3 no. 3: 4-8 Al '65.
- Electrophoresis of proteins in a starch block. V. D. Uspenskaya. Sovr. metod. v biokhimi. 1: 87-110 '64.
- Formation of virus particles on the account of enzyme systems and structural proteins induced by another "helper" virus. V. I. Agol, G. A. Shirman. Vop. virus. 10 no. 1: 8-13 Ja-F '65.
- Protein substances of potato. N. N. Mel'teva and others. Izv. vys. ucheb. zav. i spets. tekhn. no. 2: 92-91 '65.
- Qualitative composition of proteins in a corn kernel as related to its position in the cob. M. D. Ikonin, A. P. Pavlova. Nauch. dokl. vys. shkoly; biol. nauk. no. 2: 159-161 '65.
- Role of the sulfhydryl (SH) groups of proteins in the block and the fixation of the complement. P. N. Kiselev, E. V. Karpova. Zhur. mikrobiol., epid. i immun. 41 no. 11: 43-48 N '64.
- Small changes in an organ suffering from prolonged hyperfunction. P. Z. Meerson and others. Dokl. AN SSSR 162 no. 2: 441-444 My '65.
- Statistical analysis of a protein text. V. I. Danilov and others. Dop. AN URSSR no. 5: 627-630 '65.
- Study of primary photochemical processes in proteins. Report No. 2: Reactions in frozen solutions of aromatic amino acids and proteins at 77-200°. K. D. I. Roshchupkin, I. U. A. Vladimirov. Biofizika 10 no. 1: 46-55 '65.
- Tritium-labeled. A. I. [Stores of feeds; on increasing the protein content of feeds] Khodovye kormov; o povyshenii soderzhanii belkov v kormakh. Moskva, Izd-vo "Znanie", 1965. 29 p. (Novoe v zhizni, nauke, tekhnika. V Seriya; Sel'skoe khoz. i sel. no. 10)

## PROTEINS—SPECTRA

- Polarizing emission spectra of protein fluorescence and the possibility of the intertryptophan migration of energy. S. V. Konev, V. P. Bobrovich, E. A. Chernitskii. Biofizika 10 no. 1: 42-47 '65.

tryptophan-tryptophan energy migration in protein molecules. V. P. Bobrovich, S. V. Konev. Dokl. AN SSSR 9 no. 2: 116-121 F '65.

## PROTEINS IN THE BODY

- Effect of coenzyme on the nucleic acid and protein content in the liver and heart. N. O. Shabanova. Ukr. biokhim. zhur. 31 no. 3: 338-351 '62.
- Effect of noradrenaline on the content of nucleic acids and proteins in the liver and heart of rabbits. N. O. Shabanova. Ukr. biokhim. zhur. 37 no. 1: 76-81 '65.

## PROTESTANTISM

- The crisis of Christianity and its echo in evangelical theology. V. M. Boiskin. Vest. Mosk. un. Ser. 8: Ekon. filos. 20 no. 3: 69-76 My-Je '65.

## PROTEUS

- Combined effect of antibiotics on *Bacterium proteus*; study of the influence of streptomycin, syntomycin and kanamycin on *Bacterium proteus* in experiments in vitro and in vivo. A. I. TSyganenko. Trudy Khar. med. inst. no. 36: 191-194 '67.
- Hemolysis of *Proteus*. A. V. Man'kovskiy. Mikrobiol. zhur. 26 no. 3: 66-69 '64.

## PROTEUS—CULTURES AND CULTURE MEDIA

- Acquisition of the resistance to antibiotics and the variability of *P. coli* and *Bact. proteus* under the conditions of continuous flow cultivation. O. M. Kovalevs'ka. Mikrobiol. zhur. 26 no. 3: 50-53 '64.

## PROTON PRECESSION MAGNETOMETER see Nuclear magnetometer

## PROTONS

- Elastic scattering of positive 3.2 GeV.  $\pi$ -mesons by protons. A. S. Vovanko and others. IAD. fiz. 1 no. 4: 681-687 Ap '65.
- Emission of  $\pi$ -mesons and the beta decay of a proton moving in a magnetic field. G. F. Zhaikov. IAD. fiz. 1 no. 1: 173-182 Ja '65.
- Inelastic pp-interactions with low transfer of momentum. S. A. Azimov and others. IAD. fiz. 1 no. 4: 676-680 Ap '65.
- Knocking out alpha particles from Ba nuclei by 600 Mev. protons. A. P. Zhdanov, V. N. Kuz'min, R. M. Iakovlev. IAD. fiz. 1 no. 4: 625-628 Ap '65.
- Proton-antiproton interaction at nonrelativistic energies with allowance made for Coulomb forces and the neutron-proton mass difference. I. U. F. Stokrov. IAD. fiz. 1 no. 4: 710-714 Ap '65.
- Use of proton resonance method for the observation of complex formation in protein. L. N. Grigor'eva. Biofizika 10 no. 1: 173-176 '65.

## PROTONS—PHYSIOLOGICAL EFFECT

- Analysis of the aftereffect of gamma rays and 600 Mev energy protons in chromosomes. V. V. Khvostova, L. V. Nevagodina, N. P. Dubinin. Dokl. AN SSSR 161 no. 5: 1219-1221 Ap '65.
- Biological action of high energy protons. P. P. Saksonov and others. Dokl. AN SSSR 162 no. 3: 688-690 My '65.
- Regeneration efficiency in mice irradiated with 600 Mev protons. A. G. Kenopliannikov, I. U. D. Kudrinskov, S. P. Iarmenko. Dokl. AN SSSR 161 no. 6: 1448-1450 Ap '65.

## PROTONS—SCATTERING

- Elastic pp and pd-scattering at small angles in the energy range 2 - 10 Bev. L. F. Khrilova and others. IAD. fiz. 1 no. 3: 533-539 Mr '65.
- Elastic scattering of low-energy protons on isotopes of chromium, iron, nickel, and cobalt. V. I. A. Golovnia. IAD. fiz. 1 no. 1: 48-54 Ja '65.
- Measurements of the energy dependence of the differential cross section of elastic pp-scattering at energies of 3-9.5 Bev. V. P. Kanavets and others. IAD. fiz. 1 no. 1: 130-133 Ja '65.
- Parameters of triple proton scattering by carbon nuclei at 600 Mev, and a comparison of the results of an analysis of NN and pC-scattering. L. S. Azhgirei and others. IAD. fiz. 1 no. 1: 122-129 Ja '65.
- Polarization in elastic proton-proton scattering at high energies. V. P. Kanavets, I. I. Levintov, B. V. Morozov. IAD. fiz. 1 no. 1: 96-102 Ja '65.

## PROTOPLASM

- Electron microscopic study of the interrelationship between nucleus and cytoplasm. K. S. Abramian, V. N. Reingold. Dokl. AN SSSR 161 no. 6: 1431-1433 Ap '65.
- Electron microscopic study of the transfer of nuclear products into the cytoplasm in spermatocytes of the grain mite. M. A. Monakhova, V. A. Geisova. Dokl. AN SSSR 161 no. 4: 949-951 Ap '65.
- Thermal motions in living protoplasm. N. A. Mal'tsev. Priroda 64 no. 4: 78-80 Ap '65.

## PROTOZOA, PATHOGENIC

- Localization of succinate dehydrogenase in *Opalina renarum*. K. M. Sukhanova. TSitologiya 4 no. 5: 577-580 S-O '62.

## PROTRACTED PREGNANCY see Pregnancy, Protracted

## PRUNING

- Crown-cutting machine. B. A. Vinogradov. Put' i put. khoz. 9 no. 5: 37-39 '65.

## PRURITUS

- Neurogenic essential pruritus of the external genitalia. V. I. Golota. Akush. i gin. 40 no. 5: 126-129 S-O '61.

## PRUS, BOLESŁAW, pseud., see Glowacki, Aleksander, 1847-1912

## PRUTH RIVER, BATTLE OF, 1711—HISTORIOGRAPHY

- The Russo-Turkish War of 1711 and its interpretation in contemporary Turkish historiography. S. F. Oreshkova. Iat. soc. inst. na. Az. no. 77: 118-129 '64.

## PSEUDARTHROSIS

- Surgical treatment of ununited fractures and pseudarthroses of the tubular bones. I. A. N. Rodin, I. I. Antonov. Ortop., travm. i protez. 26 no. 1: 24-20 Ja '65.
- Treatment of pseudarthrosis and fractures of the long tubular bones by the compression method. B. Landzhev. Ortop., travm. i protez. 26 no. 2: 10-14 F '65.
- Treatment of ununited fractures and pseudarthroses. D. L. Akberdina. Ortop., travm. i protez. 26 no. 2: 86-87 F '65.

## PSEUDOMONAS

- Radioactive sulfur effect on some biological properties of the wild fire of tobacco *Pseudomonas tabaci* (Woid et Foster) Stevens. G. A. TSilosani. Sub. AN Gruz. SSR 37 no. 3: 693-700 Mr '65.

## PSEUDORABIES—MICROBIOLOGY

- Adaptation of the virus of Aujeszky's disease to the subinoculated KEM-La cell line. B. I. Surin. Vop. vet. virus. 1: 180-186 '64.

## PSEUDOTUBERCULOSIS—MICROBIOLOGY

- Problems of the ecology of plague and pseudotuberculosis microbes. Report No. 1: Carbohydrate and nitrogen nutrition of the rodent pseudotuberculosis pathogen. N. L. Klasseskii, L. M. Osadchaya, V. S. Petrov. Zhur. mikrobiol., epid. i immun. 42 no. 4: 37-41 Ap '65.

## PSEUDOURA

- Possible mechanism of the protective action of  $\beta$ -D-aminoethylisothuronium bromide (AET). A. N. Pisarevskii, A. F. Seleznev. Biofizika 10 no. 1: 170-181 '65.
- Synthesis of some isothuronic acids, derivatives of pyrimidine. Report No. 1. V. A. Portniagina, V. K. Karp. Ukr. khim. zhur. 31 no. 1: 93-95 '65.

## PSKOV—LIBRARIES

- Here Lenta read. P. Volk. Bibliotekar' 42 no. 4: 9 Ap '65.

## PSKOV PROVINCE—TECHNICAL LIBRARIES

- Improve the quality of technical information. G. Kuskova. Bibliotekar' 42 no. 4: 15-17 Ap '65.

## PSYCHIATRIC HOSPITALS see subdivision under Moscow

## PSYCHIATRIC NURSING

- Serebriakova, Z. N. [Organization of psychiatric care and nursing and prospects for its development in the U.S.S.R.] Organizatsiya psikhiatricheskogo patronazha i perspektivy ego razvitiya v SSSR. Moskva, Meditsina, 1965. 96 p. (Biblioteka vracha-organizatora, (DNLM))

## PSYCHIATRY

- Portnov, A. A.; and D. D. Fedotov. [Psychiatry] Psikhiatriya. Izd. 2., perer. i dop. Moskva, Meditsina, 1965. 277 p. (DNLM)

## PSYCHIATRY—BIBLIOGRAPHY see Bibliography—Psychiatry

## PSYCHIATRY, FORENSIC see Forensic psychiatry

## PSYCHOANALYSIS

- Freudism, microsociology, existentialism. A. M. Khaitskii. Zhur. nov. i psikh. 66 no. 4: 624-630 '65.

## PSYCHOLOGICAL APPARATUS

- Device for the study of some psychic functions. B. I. Titilov. Voen.-med. zhur. no. 9: 81 '61.

## PSYCHOLOGICAL RESEARCH see subdivision under Odessa

## PSYCHOLOGY, COMPARATIVE

- Ladygina-Kots, N. N. [Prerequisites of human thinking; imitative construction by apes and children] Predposylki chelovecheskogo myshleniya, podrazhatel'noe konstruirovaniye obektov i det'mi. Moskva, Nauka, 1965. 108 p.

## PSYCHOLOGY, FORENSIC

- We need laboratories of forensic psychology. A. V. Dulov. Vest. vys. shkoly 23 no. 4: 86-87 Ap '65.

## PSYCHOLOGY, FORENSIC—STUDY AND TEACHING

Forensic psychology as a science. A. R. Ratinov. Sov. gos. i pravo 35 no. 5 53-61 My '65

## PSYCHOLOGY, PATHOLOGICAL

Characteristics of disorders in the intellectual activity of schizophrenic patients with psychopathologic manifestations in the picture of the disease and the defect. V. V. Kostikova. Vop. klin., patog. i lech. shiz. no. 1. 75-77 '64

Expertise in psychopathy considering its clinical forms. M. D. Shpatserman, Z. G. Epshteln. Voen.-med. zhur. no. 8, 51-54 '64

Paranoid reactions and paranoid development in aged psychopaths. V. A. Semke. Zhur. nev. i psikh. 65 no. 1:593-599 '65

Psychological analysis of pathological reasoning. T. I. Tepentsyna. Vop. klin., patog. i lech. shiz. no. 1:138-139 '64

Role of psychogenic and somatogenic factors in the dynamics of psychopathies in old age. V. I. A. Semke. Zhur. nev. i psikh. 65 no. 5 737-741 '65

Side effects originating during mazheptil therapy and their treatment and prevention. M. I. Ruzhanskii. Vop. klin., patog. i lech. shiz. no. 1:121-122 '64

Some characteristics of neurodynamics in children with psychopathic behavior. T. B. Delova. Zhur. nev. i psikh. 65 no. 5:721-725 '65

PSYCHOLOGY OF LEARNING see Learning, Psychology of

## PSYCHOPHARMACOLOGICAL RESEARCH

Electrophysiological data on the effect of some psychopharmacological substances on various structures of the human brain. N. N. Traugott, L. I. A. Balonov, D. A. Kaufman. Zhur. vys. nerv. delat. 15 no. 1:42-52 Ja-F '65

## PSYCHOPHARMACOLOGY

Combined parenteral use of barbamil and caffeine at the present development stage of psychiatric therapy. P. N. Agadka and others. Zhur. nev. i psikh. 65 no. 5:757-761 '65

Preliminary data concerning the use of some correctors in psychopharmacological practice. A. I. Magalif. Vop. klin., patog. i lech. shiz. no. 1:91-93 '64

## PSYCHOSES

Activity of the thyroid gland in involutional psychoses. S. M. Plotnikov. Zhur. nev. i psikh. 65 no. 4:604-607 '65

Forms of the course of the verbal hallucinosis syndrome in old age psychoses. N. S. Ivanova. Zhur. nev. i psikh. 65 no. 4:584-592 '65

Slight transitory dimming of consciousness in prolonged treatment with neuroleptic substances. E. G. Kel'mish-keit. Vop. klin., patog. i lech. shiz. no. 1:86-88 '64

Treatment of patients with the dysmorphophobia (dysmorphomania) syndrome. M. V. Korkina. Zhur. nev. i psikh. 65 no. 5:747-749 '65

## PSYCHOTHERAPY

Experience in psychotherapy of somatic patients. K. A. Skvortsov. Zhur. nev. i psikh. 65 no. 5:770-771 '65

Serebriakova, Z. N. [Organization of psychiatric care and nursing and prospects for its development in the U. S. S. R.] Organizatsiia psikhiatricheskogo patronazha i perspektivy ego razvitiia v SSSR. Moskva, Meditsina, 1965. 96 p. (Biblioteka vracha-organizatora). (DNL)

## PTERIDOPHYTA

Significance of cytological data for the classification and phylogeny of Pteridophyta. A. E. Bobrov. Bot. zhur. 50 no. 3:441-445 Mr '65

## PUBERTY

Determination of puberty in forensic obstetrical and gynecological expertise. O. A. Panfilenko. Sud.-med. ekspert. 8 no. 1:13-16 Ja-Mr '65

Sexual development of schoolgirls in Moscow. I. F. Borisova. Akush. i gin. 40 no. 5:105-110 S-O '64

## PUBLIC HEALTH

(see also subdivision under Azerbaijan; Kherson; Russia; Northern)

Gabovich, R. D. [Hygiene.] Gigiena. Izd. 2., ispr. i sokr. Moskva, Meditsina, 1965. 319 p.

Smulevich, B. A. [National health and sociology.] Narodnoe zdorov'e i sotsiologiya. Moskva, Mysl', 1965. 230 p.

## PUBLIC HEALTH—PERIODICALS

He who seeks, finds. N. Loginov. Sov. pech. no. 4. 18-19 Ap '65

## PUBLIC INSTITUTIONS—ACCOUNTING

Centralize the accounting in public institutions. V. I. Aki-mov. Bukh. uch. 22 no. 4:3-6 Ap '65

## PUBLIC PROSECUTORS

(see also subdivision under Altai Mountains, Czerwyskie Mountains, Kharkov Province; Kherson Province; Lugansk Province, Ukraine, Union Republics)

Improve the cooperation between the organs of the Procuracy and courts. M. I. Aki-mov. Sov. inst. 28 no. 12:1-6 Je '64

Practice of procuratorial supervision. Sots. zakon. 42 no. 5 91-94 My '65

## PUBLISHERS AND PUBLISHING

Book publishing and printing during the years of the Great Patriotic War. E. L. Nemirovskii. Poligrafia no. 5 9-11 My '65

Soviet press in 1954. Poligrafia no. 5 8 My '65

## PUBLISHERS AND PUBLISHING—ACCOUNTING

Create centralized accounting offices attached to printing administrations. N. K. Iliukov. Bukh. uch. 22 no. 3. 13-15 Mh '65

## PURPERIUM

Prevention of puerperal infection. D. A. Lutsenko. Akush. i gin. 40 no. 5:80 S-O '64

Prevention of severe puerperal infection. A. V. Bartol'ta, Z. P. Grashchenkova. Akush. i gin. 40 no. 5:80-85 S-O '64

State of fibrinolytic activity of the blood in labor and postpuerperal period. A. M. Efendieva. Dokl. AN Azerb. SSR. 21 no. 2 71-75 '65

Study of the blood coagulative and anticoagulative systems of the blood in parturients and puerperants. V. A. Alekseev. Akush. i gin. 40 no. 5:110-114 S-O '64

## PUGACHEV REBELLION

Sentence passed on Afanasii Khlopusha on March 8, 1768. A. A. Gorelov. Vest. LGU no. 8:160-162 '65

## PULMONARY ARTERY—DISEASES

Successful use of fibrinolysis in thromboembolism of the pulmonary artery. I. E. Zhdanov, T. V. Rozhkova. Sov. med. 28 no. 1:121-123 Ja '65

## PULMONARY CIRCULATION

Postmortem angiography in pulmonary hypertension. G. S. Krivchukova. Arkh. pat. 26 no. 12:52-57 '64

## PULMONARY EMBOLISM

Thromboembolism of the pulmonary artery following surgical intervention. G. G. Kalashnikov. Voen.-med. zhur. no. 6:38-40 '64

## PULMONARY HEART DISEASE see Cor pulmonale

## PULSE

Interrelationship between the duration of the phases of cardiac cycle and the rate of pressure change in right and left ventricles. E. B. Babakii, V. S. Sal'manovich, L. L. Kosharskaya. Dokl. AN SSSR. 161 no. 4:886-888 Ap '65

Mesographic examination of ocular pulse in schizophrenic patients following amazine treatment. P. G. Petrochenkov. Vop. klin., patog. i lech. shiz. no. 1:108-111 '64

## PULSE CIRCUITS

Calculation of nonlinear pulse shaping lines with ferrites. A. M. Beliantsev, I. K. Bogatyrev. Izv. vys. ucheb. zav., radiotekh. 8 no. 1:41-47 Ja-F '65

Fatulaev, B. N. [Transistorized stages in the transient mode of operation.] Poluprovodnikovye skadny v perekhodnom rezhime. Moskva, Svyaz', 1965. 182 p.

Il'in, V. A. [Pulse devices with bridge circuit components.] Impul'snye ustroistva s mostovymi elementami. Moskva, Energiia, 1965. 70 p. (Biblioteka po avtomatike, no. 130)

Pulse generators with four-terminal feedback networks. V. V. Grigorin-Ribakov. Izv. vys. ucheb. zav., radiotekh. 8 no. 1:3-10 Ja-F '65

## PULSE MODULATION (ELECTRONICS)

Thermal conditions of a high-power pulse transformer. S. S. Vdovin. Izv. vys. ucheb. zav., prib. 8 no. 2:138-141 '65

## PULSE TECHNIQUES (ELECTRONICS)

Errors of a frequency spectrum analyzer with a double T-bridge. I. A. Andreev, B. G. Volkov. Izv. tekhn. 3. 47-50 Mr '65

Interrupted processes of pulsed magnetic reversal. E. N. Il'icheva, I. S. Kolotov. Izv. AN SSSR. Ser. fiz. 28 no. 4:552-554 Ap '65

Method of studying the dynamic properties of thin magnetic films in the nanosecond range. O. S. Kolotov, V. A. Pogozhev. Izv. AN SSSR. Ser. fiz. 28 no. 4: 588-542 Ap '65

Multichannel source of pulsed power supply for trans-fluor circuits. K. F. Kuznetsov, N. A. Sel'diakova, L. F. Petrova. IAd. prib. no. 1:169-174 '64

The IAMR pulse-frequency flowmeter. V. V. Ekaterinin, A. I. Zhernovoi, O. V. Stakhov. Izv. tekhn. no. 3:64-50 Mr '65

Pulse train generator. A. I. Kozyl', I. I. Rogushin, V. L. Fishbein. IAd. prib. no. 1:66-168 '64

Some characteristics of nonuniform rotation in thin Permalloy films. O. S. Kolotov, R. V. Tolstogin. Izv. AN SSSR. Ser. fiz. 28 no. 4:543-545 Ap '65

Study of amplitude pulse distributors at the output of a photoelectric multiplier. G. N. Poliakova, A. I. Popov, I. A. M. Fogel'. Radiotekh. i elektron. 10 no. 5:928-935 My '65

Use of gas microgaps in high-voltage nanosecond pulse systems. G. A. Mesintse, P. A. Vorob'ev, I. U. I. Bychkov. Radiotekh. i elektron. 10 no. 1:780-782 Ap '65

Use of the klystron method in generating nanosecond and subnanosecond video pulses. Part 1. A. D. Sushkov, V. A. Meos. Zhur. tekhn. fiz. 35 no. 4:723-731 Ap '65

Use of the klystron method in generating nanosecond and subnanosecond video pulses. Part 2. A. D. Sushkov, V. A. Meos. Zhur. tekhn. fiz. 35 no. 4: 730-747 Ap '65

## PULVERIZED COAL see Coal, Pulverized

## PUMICE

Production of foamed slag pumice "thermoizit". A. G. Romanenko. Metallurg. 10 no. 3:10-11 Mr '65

## PUMPING MACHINERY

Automatically controlled station for the transfer of waste water. V. Sokolov. Mas. ind. SSSR. 36 no. 2: 30-41 '65

Choosing the best method for cooling an electromagnetic induction pump. M. I. Abritska, I. A. I. Klinkin', Mag. gidr. no. 1:120-140 '65

Compensation of a fluctuating magnetic field in asynchronous machines and induction pumps with open magnetic circuits. A. I. Vol'dek. Elektricheskoe no. 4:50-53 Ap '65

Design and operation of helical induction pumps. E. M. Avilova and others. Mag. gidr. no. 1:110-111 '65

Experiments with an unconfined trough for liquid iron. G. G. Branover and others. Mag. gidr. no. 1:115-122 '65

Lipovetskii, M. A. [Concrete pumping and pneumatic delivery equipment and operational productivity with their use.] Betononasosny i pnevmaticheskie nagnetatel'nye ustanovki i proizvodstvo rabot s likh primeneni- em. Moskva, Stroizdat, 1965. 314 p. (Seria posobi- lo po povysheniiu masteratn stoitel'stvo)

Motorless gas pumps. I. A. Zemlianikil. Izv. prom. 10 no. 3:13-18 '65

Solution of an equation describing the electromagnetic field of a plane linear induction pump allowing for secondary transverse and thickness boundary effects. T. A. Vesko. Mag. gidr. no. 1:87-96 '65

Study of the spatial distribution of magnetic fields and the electromagnetic effects in induction pumps. N. M. Okhtomenko. Mag. gidr. no. 1:97-109 '65

## PUMPING MACHINERY—MAINTENANCE AND REPAIR

Kudriavtsev, P. I. [Repairing the NSH gear pumps.] Remont shestorochnykh nasosov NSH. Moskva, Buro tekhn. informatsii, 1963. 54 p. (Vserossiiskoe obshchestvo Soveta ministrov RSFSR "Rossel'khoztekhnika," Poiskovyi opyt i predlozheniia. I Seria: Remont mashinno-traktoirogo parka)

[MICROFILM]

## PUMPS, CENTRIFUGAL see Centrifugal pumps

## PUNCHED CARD SYSTEMS

Compiling itemized programs on punched card machines. S. T. Mitin. Vop. stat. i ucheta no. 6:147-150 '62

The economic efficiency of bringing in punched card machines to process telegraphic statistical reports. E. F. Staroselskii. Vop. stat. i ucheta no. 6:131-140 '62

Practice in the use of algorithms for several calculations in wage distribution. I. I. Vol'son. Vop. stat. i ucheta no. 6:24-34 '62

Several features of the possibilities of alphabetical punched card and sorting machines of the "Bulit" type. A. M. Usan. Vop. stat. i ucheta no. 6:227-248 '62

There is a need for an interbranch plan for overall machine accounting. B. Alukhov. Vest. stat. no. 5:69-72 '65

Use of alphabetic punched card machines. T. Tishchenkov, S. Poliakova. Bukh. uch. 22 no. 3:30-40 Mr '65

## PUNCHED CARD SYSTEMS—INDUSTRIAL MANAGEMENT

Iakov, V. I., and M. A. Korolev. [Principles of designing the mechanization of accounting and planning work.] Osnovy proektirovaniia mekhanizatsii ucheta-plannovoykh rabot. Moskva, Statistika, 1965. 250 p.

## PUNCHED CARD SYSTEMS—MACHINERY INDUSTRY

Machine accounting for loading production in serial machinery manufacturing. B. Gordon. Bukh. uch. 22 no. 3:16-19 Mh '65

## PUNCHED CARD SYSTEMS—MATERIALS

Machine accounting for materials. A. Glukhov. Bukh. uch. 21 no. 10:32-37 O '64

**PUNCHED CARD SYSTEMS—PITROLEUM INDUSTRY**  
see subdivision under Tatar A. S. S. R

**PUNCHED CARD SYSTEMS—PLANT DISEASES**  
Klekin, P. Kh. [Guide to pests and diseases of grapes; polytomous tables and punched cards] Opredeletel' vreditel' i boleznai vinnograd; poltomicheskii i perforiraniy. Kishinev, Kartia moldoveniaske, 1964 207 p. (DNAL)

#### UNCHED CARD SYSTEMS—WAGES

Use of a computing punched card machine in machine accounting for payments to workers and employees  
IA, Klemperit Bukhg. uch. 22 no. 3:41-13 Mr '65.

#### UNCTURES (MEDICINE)

Incisions of the prostate gland. D. S. Muratkin Vest. khir. 02 no. 6 36-40 Je '64

#### UNISHMENT

Application of a conditional sentence. IU Tkachevskii Sots. zakon. 12 no. 5 72-73 My '65

#### URINES

6-methylaminopurine in deoxyribonucleic acid of some micro-organisms. B. F. Vantushin, N. A. Kokurina, A. N. Belozerskii. Dokl. AN SSSR 161 no. 6:1451-1454 Ap '65.

#### URPURA (PATHOLOGY)

Cutaneous and gastrointestinal eruptions in abdominal purpura Kh. I. Feldman, R. I. Zahara. Vest. khir. 02 no. 6 83-87 Je '64.

#### USHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Twenty lines, Pushkin in the last years of his life and the poem "A monument to myself I built without my hands" V. Nepomniashchii. Vop. lit. 0 no. 4 111-145 Ap '65.

**WALD MOTH** see subdivision under Turkmenistan

#### WAMMAL TRACT

Inhibitory influence of afferent impulses on the motor effect of pyramidal stimulation S. M. Sverdlov, E. V. Maksimova. Biofizika 10 no. 1:161-163 '65

#### WANE

Ispergillus flavus strain, producer of kojic acid. A. S. Sadykov and others. Uzb. biol. zhur. 0 no. 2:21-23 '65.

Case of 7-pyrone ring formation in the reaction of diketene with urea derivatives. V. I. Gunar, S. I. Zav'yalov. Izv. AN SSSR Ser. khim. no. 4:747-748 '65.

Some transformations of 6-phenyl-2-pyrone. Izv. AN SSSR, Ser. khim. no. 5:870-876 '65.

Synthesis of unsaturated  $\alpha$ -lactones Preparation of 3-butyl-6-methyl-3, 4-dihydro- $\alpha$ -pyrone. M. G. Zakharin, M. T. Dangian. Izv. AN Arm. SSR, Khim. nauki 18 no. 1:121-123 '65

#### WAZOLINE—DIPOLE MOMENTS

Dipole moment of 1, 3, 5-triphenylpyrazoline- $\Delta^2$  in the first electronic excited state. L. M. Kutayna, L. V. Voevoda, L. D. Kornilovskaya. Opt. i spekt. 18 no. 3:520-522 Mr '65

#### WAZOLINONE

Synthesis of certain 3-methyl and 3-phenyl-4-amino-5-pyrazolones. M. S. Khalik, I. I. Levkoev, V. A. Kukhtin. Zhur. org. khim. 1 no. 1:133-136 Ja '65.

#### WENE

Libration spectrum of pyrene and its interpretation. O. V. Nefedov, O. V. Fialkova. Ukr. fiz. zhur. 10 no. 4:410-419 Ap '65.

#### WETHRUM

Characteristics of shoot formation in cinerariafolium Pyrethrum. F. A. Vereshchako. Biol. Glav. bot. sada no. 59:19-27 '64.

#### WIDINE

Antiviral activity of quaternary salts of 4-n-dialkylaminophenylpyridines and chlorine-copper complexes of pyridine bases of the carbonaceous tar. E. S. Cherkasskii and others. Dokl. AN SSSR 181 no. 5: 200-211 Ap '65.

Catalytic effect of pyridine on the reaction of benzoyl chloride with primary aromatic amines. L. M. Litvinenko, A. I. Kirichenko. Ukr. khim. zhur. 31 no. 1: 7-75 '65.

Effect of quaternary salts of 4(n-dialkylaminophenyl)pyridines on dysentery bacteriophage. L. R. Kolomoitsev and others. Mikrobiol. zhur. 27 no. 2:88-90 '65.

Mercury derivatives of substituted 2-phenylalanylaminopyridines. D. N. Kravtsov. Dokl. AN SSSR 162 no. 3:581-584 My '65.

Oligomerization of 4-vinylpyridine on polystyrenesulfonic acid. V. A. Kargin, V. A. Kabanov, O. V. Kargina. Dokl. AN SSSR 161 no. 5:1131-1134 Ap '65.

Preparation of specimens of methane hydrocarbons by direct plant extraction with aqueous pyridine. G. F. Pal'chikov. Azerb. khim. zhur. no. 3:29-35 '64.

#### WYRIDINE BASES

Gas-liquid chromatography of pyridine bases. V. I. Iakerson, L. I. Lafet. Izv. AN SSSR Ser. khim. no. 4: 611-618 '65

#### WYRIDINECARBOXYLIC ACID

Infrared absorption spectra of the complex compounds of copper of monopyridinecarboxylic acids and their derivatives. M. A. Azizov and others. Uzb. khim. zhur. 8 no. 5:17-53 '64.

#### WYRIDINECARBOXYLIC ACID—SPECTRA

Spectrophotometric behavior of  $\alpha$ -phenylethyl amides of pyridinecarboxylic acids. A. F. Toront'ev and others. Dokl. AN SSSR 162 no. 2:356-358 My '65.

#### WYRIDOXINE

Effect of pyridoxine, insulin and glucose on the transaminase activity of the erythrocytes of various animals in vitro IA. L. Hermanuk, O. I. Letchenko, M. M. Matlyuk. Ukr. biokhim. zhur. 31 no. 3:417-423 '62

#### WYRIDINES

Synthesis of some isothiazole salts, derivatives of pyrimidine. Report No. 1. V. A. Portnagin, V. K. Karp. Ukr. khim. zhur. 31 no. 1:83-85 '65.

**WYRITES** see subdivision under Kyzyl Kum; Mendeleyev Volcano; Russian Platform; Svan Mountains; Ural Mountains

#### WYROCATECHOL—ANALYSIS

Determination of pyrocatechol in wood chemical products. A. S. Maslennikov, G. N. Poryvaeva. Gidroliz. i lesokhim. prom. 18 no. 3:15-16 '65.

#### WYROCATECHOL VIOLET

Determination of microquantities of iron and silver by oxidation of pyrocatechol violet with potassium peroxy-sulfate. E. Jasinskieno, J. B. Mantas, V. Rekiyte. Trudy AN Litv. SSR, Ser. B no. 3:61-65 '64.

#### WYROCERAMICS

Study of some high temperature oxidation resistant materials for the manufacture of high temperature heat exchange equipment O. R. Matveev, G. F. Degtev, Kuz. shram, proizv. 7 no. 1:42-45 Ja '65.

#### WYROLYSIS

Alkyl compounds. Part 14: Pyrolysis and catalytic decarbonylation of methyl -  $\alpha$ -propoxyethyl and isopropoxyethylmalonic acids. A. V. Bogatskii, G. V. P'iankova. Zhur. ob. khim. 35 no. 4 610-621 Ap '65

Analyzing factors affecting pyrolysis in an "ethylene regime" and determining the parameters of automatic control. I. A. Ibragimov, Sh. A. Nagiev. Izv. vys. ucheb. zav., nef. i gaz. 0 no. 3 97-99 '65.

Effect of pressure on the pyrolysis of straight-run gasoline in a current of superheated water vapor T. N. Mukhina and others. Neftepr. i neftekhim. no. 3:10-12 '65.

Thermodynamic calculation of n-octane pyrolysis under pressure. IU. G. Kambarov, A. T. Kakhramanova, S. D. Mekhtiev. Azerb. khim. zhur. no. 3:111-118 '64.

#### WYROMETERS

Emitters for the reproduction of color temperature in the infrared spectrum region E. A. Lapina. Izv. tekhn. no. 3:31-33 Mr '65.

Pyrometer of spectral ratio with a 300-600° centigrade range. A. A. Poskachev, M. P. Ural'skii. Priborostroenie no. 4:8-11 Ap '65.

Semiconductor infrared optical pyrometer. V. M. Il'in. Izv. tekhn. no. 3 31-33 Mr '65.

#### WYROMETRY

Certain optical and physical properties of the flame cone in a basic, oxygen-blown converter (in the visible part of the radiation spectrum) and their use to control the process. Report no. 1. B. N. Okorokov and others. Izv. vys. ucheb. zav., khim. mat. 8 no. 5:21-26 '65.

Using FEP-3 and FEP-4 pyrometers for the measurement of flame radiation. G. I. U. Grakovskii. Izv. vys. ucheb. zav., khim. mat. 8 no. 5:200-203 '65.

#### WYRONINE

Nature of pyronine-stained granules in a fraction of isolated cell nuclei. R. I. Salganik and others. TSitol. i gista 4 no. 5:490-505 S-O '62.

#### WYROXENES

Use of the magnetothermal method in determining ore inclusions in pyroxenes N. P. Mykhailova, A. M. Hlevska. Dop. AN URSS no. 5:580-582 '65.

#### WYRROLE

Synthesis of ( $\beta$ ,  $\beta$ -dicyanovinyl) pyrroles and dipyrrolymethanes. IU. E. Skilar, R. P. Evstigneveva, N. A. Probozhenskii. Zhur. org. khim. 1 no. 1:167-171 Ja '65

Synthesis of trialkyl derivatives of pyrrole and pyrrolidine. G. E. Abgaforova, N. I. Shukhin, I. F. Bel'skii. Izv. AN SSSR, Ser. khim. no. 4:734-736 '65.

#### WYRROLIDINE

Synthesis of cycloalkano-2, 3-pyrrolidines and steric course of Leikart's reaction. M. A. Volodina, G. V. Kirishnikova, A. I. Toront'ev. Dokl. AN SSSR 162 no. 1:60-63 My '65

Synthesis of trialkyl derivatives of pyrrole and pyrrolidine. G. E. Abgaforova, N. I. Shukhin, I. F. Bel'skii. Izv. AN SSSR, Ser. khim. no. 4:734-736 '65

#### WYRYLIUM COMPOUNDS

Perchloric acid and its compounds as catalysts in organic synthesis. Part 2: Triphenyl pyrylium salts with functional substituents in aromatic rings. G. N. Dorofeenko, S. V. Krivun, V. V. Mezheritskii. Zhur. ob. khim. 35 no. 1:632-635 Ap '65.

#### WYRCHOLOGY, PATHOLOGICAL

Clinical aspects of psychopathy-like manifestations during the course of schizophrenia in the light of the problems of social and work readaptation A. V. Grosman. Vop. klin., patol. i lech. shiz. no. 1:30-33 '64.

**Q FEVER** see subdivision under Georgia, Kazakhstan

#### Q FEVER—MICROBIOLOGY

Fluorescent microscopy of ornithosis viruses and Q fever rickettsiae in egg culture. TS TS. Khanduev. Vop. vet. vnt. 1:440-452 '64.

**QUADRATIC FORMS** see Forms, Quadratic

**QUADRUPOLE MOMENTS** see Electric moments

**QUALITY CONTROL** see subdivision under Estonia,

Kazakhstan; Volga Economic region

Chief criterion G. Balkov. Sov. torg. 36 no. 1:15-19 Ap '65.

Continuous multifrequency control of the composition and state of molding materials. A. M. P'otod'akov. Izv. vys. ucheb. zav., elektromekhn. 8 no. 1 431-136 Mr '65

Criteria of quality. A. Motylev. Sov. prof. shiz. 21 no. 11:22-24 Je '65.

Laprov-Skoblo, M. IA. [Quality of production in the decisions of the state arbitration agencies] Kachestvo produktov v praktike Gosarbitrazha, Moskva, Iuridicheskaya literatura, 1965 84 p.

Ukhov, N. N., and A. A. Shibanov. [Reliable and durable] Nadlezno, dolgovechno. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke, tekhnika. III Seriya: Ekonomika, no. 10)

#### QUANTUM CHEMISTRY

Photolysis of hypochlorite in alkaline solutions. Part 1: Quantum yields of photolysis. A. Prokopikas, J. Janickis, M. Salkauskas. Trudy AN Litv. SSR, Ser. B no. 3 49-60 '64.

Photolysis of hypochlorite in alkaline solutions. Part 2: Effect of photolysis products on quantum yields. A. Prokopikas, J. Janickis, M. Salkauskas. Trudy AN Litv. SSR, Ser. B no. 3:61-71 '64.

#### QUANTUM ELECTRONICS

Coherent division of quanta. L. I. Gudzenko, G. M. Guro. Zhur. eksp. i teor. fiz. 48 no. 4:1132-1136 Ap '65

Determining the oscillator force of the ruby R<sub>1</sub> line at 78°K by the method of Rozhdestvenskii hooks. N. K. Bel'skii, D. A. Mukhamedova. Dokl. AN SSSR 162 no. 3 527-529 My '65.

Electromagnetic theory of injection lasers. R. F. Kazarinov and others. Fiz. tver. tela 7 no. 5:1508-1516 My '65.

From fantasy into reality. Andrei Vladimirovich Uspenskii. Sov. voim. 47 no. 6:34-36 Mr '65.

Quantum electronics. A. M. Frokhorov. Usp. fiz. nauk 85 no. 4:590-604 Ap '65.

Quantum levels of electrons in semiconductors in the presence of a strong electric field IU. A. Bychkov, A. M. Dykhne. Zhur. eksp. i teor. fiz. 48 no. 4:1174-1178 Ap '65.

Theory of the sensitivity of quantum counters. U. Kh. Kopvillem, B. M. Khabibullin. Fiz. tver. tela 7 no. 5: 1635-1644 My '65

#### QUANTUM FIELD THEORY

Construction of a nonlinear polarization operator (case of a longitudinal field). V. M. Piskovyi, B. E. T'Sekava. Ukr. fiz. zhur. 10 no. 5:612-619 My '65.

Effect of a two-level impurity system on the phonon spectrum of a crystal and the one-quantum inelastic scattering of neutrons. E. M. Iolin. Fiz. tver. tela 7 no. 5:1490-1494 Ap '65.

Galactic hypercharge field and the disintegration of long-lived neutral K-mesons into two  $\pi$ -mesons. V. L. L'uboshits, E. O. Okonov, M. I. Podgoretskii. Izd. fiz. 1 no. 3 480-486 Mr '65.

Interaction of elementary particles with a gravitational field in the general theory of relativity and in the generalized linear theory of gravitation M. P. Korikina. Ukr. fiz. zhur. 10 no. 5:497-507 My '65.

Number of diagrams for Green's two-particle function of interacting fermions. A. A. Akopian. Ukr. fiz. zhur. 10 no. 5:508-511 My '65.



## QUANTUM FIELD THEORY (Continued)

Separation of the corner variables in equations for the effective field in spherical nuclei. I. U. V. Gaponov, V. P. Kramov. *Izv. AN SSSR Ser. fiz.* 1 no. 1:573-580 Ap '65

Stueckelberg's formalism of a field of spin 2. I. A. Podzarij, H. L. Stavitski. *Ukr. fiz. zhur.* 10 no. 5:563-564 My '65

## QUANTUM STATISTICS

Local equilibrium of the Gibbs ensemble and its relation to the theory of fluctuations and transport phenomena. D. N. Zubarev. *Dokl. AN SSSR* 162 no. 3:532-535 My '65.

## QUANTUM THEORY

S-amplitudes of adronic decay of baryons and SU (6)-symmetry. S. G. Matinian. *Zhur. eksp. i teor. fiz.* 48 no. 4:1204-1206 Ap '65

Applicability of the Ikegami-Udagawa method in allowing for pair correlations when calculating the probability of electromagnetic transitions in deformed nuclei. E. E. Belovich, V. Meling, V. K. Tarasov. *Izv. AN SSSR Ser. fiz.* 20 no. 5:846-848 My '65.

Asymptotic character of a one-dimensional scattering problem. M. V. Fedoriuk. *Dokl. AN SSSR* 162 no. 2:287-289 My '65.

Characteristics of electric dipole transitions in odd deformed nuclei. E. L. Berlovich. *Izv. AN SSSR Ser. fiz.* 20 no. 5:838-845 My '65

Concentration of Ne atoms on 2p levels in the presence of He. Fan Van T'hanh. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 20 no. 2:3-6 Mr. Ap '65.

Damping of a Langmuir wave near the ionic sound radiation threshold. G. I. Suvamishvili. *Dokl. AN SSSR* 161 no. 5:1320-1323 Ap '65

Detection of weak effects on high-Q oscillatory systems. V. B. Diaginshil. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 20 no. 2:65-70 Mr. Ap '65.

Determination of g-factors of the second excited p-levels in alkaline metals. G. Ia. Zelikina, R. I. Semenov. *Opt. i spekt.* 18 no. 3:539-540 Mr. '65

Effect of interference in the Coulomb excitation of 2f levels in even-even nuclei. I. U. P. Gangskil, V. I. Isakov, I. Kh. Lemberg. *Izv. AN SSSR Ser. fiz.* 20 no. 5:853-856 My '65.

Effect of pair correlations on E1-transitions in deformed nuclei. O. G. Gadetskii, N. I. Pintov. *Izv. AN SSSR Ser. fiz.* 20 no. 5:830-837 My '65.

Existence of an intermolecular potential not maintaining spatial parity. I. U. G. Abov, F. A. Kipuchskii, I. U. A. Orlovskii. *Izv. AN SSSR Ser. fiz.* 20 no. 5:823-829 My '65.

A formal dynamic model of unitary symmetry. N. N. Aclanov and others. *Dokl. AN SSSR* 162 no. 1:43-45 '65.

Inelastic scattering of heavy particles with excitation of collective nuclear states. V. K. Luk'ianov, I. Zh. Peitov. *Izv. AN SSSR Ser. fiz.* 20 no. 5:823-829 My '65.

Influence of second-order effects on angular correlations in Coulomb excitation of nuclei. V. I. Isakov. *Izv. AN SSSR Ser. fiz.* 20 no. 5:849-852 My '65.

Lepton annihilation of proton-antiproton pairs with allowance for form factors and polarization correlations. A. A. Sokolov and others. *Dokl. AN SSSR* 161 no. 5:137-139 Ap '65.

Mass relationships in an octet model in the case of mixing. M. B. Menskil. *Dokl. AN SSSR* 161 no. 5:1069-1072 Ap '65.

Metal-dielectric phase transitions. Divalent crystals. A. N. Kozlov, L. A. Maksimov. *Zhur. eksp. i teor. fiz.* 48 no. 4:1184-1193 Ap '65

Method of quantum Green functions in nuclear reaction theory. F. A. Zhivopiatsev. *Izv. AN SSSR Ser. fiz.* 20 no. 5:800-806 Ap '65.

Multiple Coulomb excitation of nuclei. I. Berson. *Izv. AN SSSR Ser. fiz.* 20 no. 5:846-848 My '65.

Polarization of gamma rays emitted in the Coulomb excitation of certain nuclei with odd A. D. G. Alkharov and others. *Izv. AN SSSR Ser. fiz.* 20 no. 5:787-793 My '65.

The principle of relativity in quantum mechanics. B. Ia. Pakhomov. *Vop. fiz.* 10 no. 4:118-125 '65

Quadrupole giant resonance in heavy nuclei. A. A. Lushchik, M. G. Urin. *Izv. AN SSSR Ser. fiz.* 20 no. 5:826-842 Mr. '65.

Quantum approach to a synchronous parametric system. G. I. Rozhkova. *Radiotekh. i elektron.* 10 no. 4:773 Ap '65.

Quantum oscillation of the thermoe.m.f. in n-InSb. S. S. Shalyt, R. V. Parfenov, M. S. Bresler. *Zhur. eksp. i teor. fiz.* 48 no. 4:1212-1214 Ap '65.

Quantum oscillations of the relaxation time of nuclei in semimetals. G. E. Gurgenshvil, G. R. Khutsishvili. *Fiz. i ter. tela* 7 no. 5:1335-1341 My '65

Quantum theory of anisotropic single-domain ferromagnets. V. Rybarska. *Fiz. i ter. tela* 7 no. 5:1436-1446 My '65.

Role of the diffusion of inverse population in the generation of induced radiation. B. L. Livshits, V. N. Tsikunov. *Dokl. AN SSSR* 162 no. 2:314-315 My '65.

Some aspects of the physical applications of unitary groups. A. A. Komar, V. I. Man'ko. *Izv. AN SSSR Ser. fiz.* 20 no. 5:893-900 Ap '65.

Study on the self-absorption edge in boron. Sh. Dzhamagidze and others. *Fiz. i ter. tela* 7 no. 5:1503-1504 My '65

Transport processes in particle systems with internal degrees of freedom. D. N. Zubarev. *Dokl. AN SSSR* 162 no. 4:194-197 Je '65.

## QUARRIES AND QUARRYING

Adhesion to the ground of skids on walking excavators and waste disposal equipment. N. Z. Garmash, I. U. L. Bereznoi. *Ognepoiz* 30 no. 5:28-31 '65

New blasting method. M. V. Rovenskii. *Puti i puti khoz.* 8 no. 4:33 '65

Sokolov, A. A., I. U. M. Loskutov, and I. M. Ternov. [Quantum mechanics] *Kvantovaya mekhanika*. Izd. 2, 1, 1, dop. Moskva, Prosveshchenie, 1965. 638 p.

Spinning during the operation of stonecutting machines in quarries. A. A. Gasyanov. *Bezop. truda v prom.* 9 no. 1:38-39 Ap '65

Tatevskii, V. M. [Quantum mechanics and the theory of molecular structure] *Kvantovaya mekhanika i teoriya stroeniya molekul*. [Moskva] Izd-vo Mosk. univ., 1965. 103 p.

Using efficient systems of short-delay blasting in granite quarries. V. K. Khurtsidze. *Gor. zhur.* no. 5:70-71 My '65

Using inclined boreholes in limestone quarries. F. I. Kucheravskii and others. *Gor. zhur.* no. 3:31-35 Mr. '65

## QUARRIES AND QUARRYING—EQUIPMENT AND SUPPLIES

Investigating the loosening of limestone. A. N. Zelenin and others. *Gor. zhur.* no. 5:12-14 My '65.

## QUARTZ

(see also subdivision under Aldan Plateau, Karelia, Ural Mountains)

Using thermoluminescence to study secondary quartzites. E. V. Puchkov. *Dokl. AN SSSR* 161 no. 5:1105-1106 Ap '65.

## QUINCE

Morphogenesis of the blossoms of quince. I. S. Rudenko. *Izv. AN Mold SSR* no. 10:35-42 '63

## QUINALDINIUM COMPOUNDS

Synthetic dyes. Part 16: Condensation of N-aryl quinaldinium salts with acetaminomethylurea, hydantoin. G. T. Pilingin, S. V. Lepikhova. *Zhur. obshch. khim.* 35 no. 4:647-649 Ap '65

## QUINOLINE

Quinoline derivatives. Part 4: Reactions of 1, 2, 3, 4-tetrahydroquinoline. A. A. Aclan, A. S. Azarian, M. A. Iradion. *Izv. AN Arm SSR, Khim. nauki* 10 no. 1:76-82 '65.

## QUINOLINEACETIC ACID

Use of nitrilium salts in the synthesis of heterocyclic amino acids. Part 3: Synthesis of derivatives of 3-1-dihydroxyquinoline-1-(1'-alkyl)-acetic acids. S. G. Agabekian, L. A. Nerseislan, A. O. Nuhanian. *Izv. AN Arm SSR, Khim. nauki* 18 no. 1:83-87 '65.

## QUINOLINOL

Azo coupling of 8-hydroxyquinoline. O. V. Silvanova, I. S. Mustafin. *Zhur. org. khim.* 1 no. 1:145-147 Ja '65

Synthesis and properties of branched 8-hydroxy quinolinol titanium dimethylsiloxane oligomers. R. A. Andrianov, I. A. Lavaygin, I. U. A. Shvetsov. *Zhur. obshch. khim.* 35 no. 4:689-693 Ap '65.

## QUINONES

Aromatic nitrogen-containing polymers from quinone bischlorimide. Z. S. Kazanova, V. P. Parini, B. I. Liogen'kii. *Izv. AN SSSR Ser. khim.* no. 3:419-424 '65.

Catalytic hydrogenation of quinones in the presence of Pt, Pd, and Rh catalysts. M. L. Khidkei and others. *Izv. AN SSSR Ser. khim.* no. 3:542-543 '65.

Effect of vitamin E and phenylalanine on the ubiquinone content in the liver of normal and A-avitaminous rats. H. V. Donchenko, R. V. Chahovets. *Ukr. biokhim. zhur.* 37 no. 3:82-90 '65.

## QUINOXALINE

N oxides of the quinoxaline series. Part 6: Oxidation of dimethylquinoxaline and its methylol derivatives by nitric acid. A. S. Etina, L. G. Tsrut'nikova, M. I. Medvedeva. *Zhur. org. khim.* 1 no. 1:147-149 Ja '65.

## RABIES

(see also subdivision under Yakutia)

Studying the hyperimmunization methods for producing highly active antirabies serum using donkeys. A. A. Rosilakov. *Vop. vet. virus* 1:497-508 '64.

## RABIES—MICROBIOLOGY

Biological variability of rabies viruses. V. P. Nazarov. *Vop. vet. virus* 1:501-514 '64.

Use of the fluorescent method for the detection of poliomyelitis and rabies viruses. M. E. Lipkin and others. *Vop. virus* 10 no. 1:26-29 Ja '65

## RABIES—PREVENTIVE INOCULATION

Change in the content of lysozyme in the saliva of persons in antirabies vaccination. E. S. Fiedelman. *Vop. virus* 10 no. 1:104-105 Ja '65

Development of immunity against rabies as related to the method and place of the administration of antirabies vaccination. M. A. Kovnen. *Vestsi AN BSSR Ser. sel'khoz. nauk* no. 1:125-129 '65

Epidemiological and immunological effectiveness of scarification vaccinations with STI vaccine in enterprises processing raw material of animal origin. Z. K. Abbasov, D. D. Sultanov. *Azerb. med. zhur.* 42 no. 1:77-81 Ja '65

## RACCOON DOG—PARASITES see Parasites—Raccoon dog

## RADAR

Evaluation of hazards of ultrahigh-frequency and X-ray radiations at radar stations. E. A. I. molodtsov. *Voen.-med. zhur.* no. 9:2-26 '61

Fluctuations of the phase front of a wave reflected from a complex target. N. S. Gubonin. *Radiotekh. i elektron.* 10 no. 5:841-851 My '65

Levichev, V. G., I. A. V. Stepuk, and B. I. Fogel'son. [Principles of radio engineering and radar; radio transmitting and receiving systems] *Osnovy radio-tekhniki i radiolokatsii, radiopriemnykh i radio-priemnykh ustroystv*. Izd. 2, pereizd. Moskva, 1965. 583 p.

## RADAR—PATENTS

Belousov, V. M., and S. P. Matsenko. [Radar technology; survey of foreign patents] *Radiolokatsionnaya tekhnika; obzor inostrannykh patentov*. Moskva, TSentr. nauchno-issled. in-t patentnoi informatsii i tekhniko-ekon. issledovaniy, 1963. 33 p. [MICROFILM]

## RADAR IN ASTRONOMY

Determinability of the index from the distribution of the durations of unstable meteor radio echoes. T. I. Fialko. *Astron. zhur.* 42 no. 3:656-659 My-Ju '65

## RADAR IN NAVIGATION

Determining the circulation of the vessel by photographing the radar screen. I. U. Baranov, A. G. Gerasimov. *Mor. flot* 25 no. 5:22-21 My '65

Use of radar leading lines in river navigation. A. Golubev. *Rech. transp.* 24 no. 3:54-55 '65.

## RADIANT HEATING

A radiant heat flux due to the heating of bodies by a source of variable temperature. V. V. Salomatin, G. P. Bolkov. *Inzh.-fiz. zhur.* 8 no. 3:369-374 Mr. '65.

## RADIATION

(see also subdivision under Baltic Sea region)

Approximate values of rate constants for radiation reactions of hydrogen atoms and hydroxyl radicals in aqueous solutions. A. K. Pikhov, P. Ia. Glazunov, V. I. Spitsyn. *Izv. AN SSSR Ser. khim.* no. 4:101-108 '65.

Calorimetric study of the radiation polymerization kinetics. I. M. Bakulov, L. I. Gol'danskii, V. H. Rapoport. *Dokl. AN SSSR* 161 no. 6:1308-1370 Ap '65.

Kinetics of free radical accumulation in the radiolysis of solids. L. A. Tikhomirov, V. A. Belanova, N. Ia. Bubov. *Izv. AN SSSR Ser. khim.* no. 4:594-599 '65.

Some physicochemical processes in the air caused by ionizing radiation. M. T. Dmitriev. *Izv. AN SSSR, Fiz. i khim.* 1 no. 4:102-107 Mr. '65.

## RADIATION—EFFECT ON ALKALI METAL HALIDE CRYSTALS see Alkali metal halide crystals, Effect of radiation on

## RADIATION—EFFECT ON CAST IRON see Cast iron, Effect of radiation on

## RADIATION—EFFECT ON COPPER CRYSTALS see Copper crystals, Effect of radiation on

## RADIATION—EFFECT ON FETUS see Fetus, Effect of radiation on

## RADIATION—EFFECT ON GERMANIUM see Germanium, Effect of radiation on

## RADIATION—EFFECT OF MICRO-ORGANISMS ON see Micro-organisms, Effect of radiation on

## RADIATION—EFFECT ON PHOSPHORS see Phosphors, Effect of radiation on

## RADIATION—EFFECT ON PLANTS see Plants, Effect of radiation on

## RADIATION—EFFECT ON POLYETHYLENE see Polyethylene, Effect of radiation on

## RADIATION—EFFECT ON POLYMERS see Polymers, Effect of radiation on

## RADIATION—MEASUREMENT

Optimum threshold measurements of a nonstationary process by means of an integrator. A. M. Golosovskii, I. I. Kreindlin. *Izv. prib.* no. 1:38-43 '64.



## RAILROADS—PASSENGER CARS

- Accelerating the turnaround of passenger cars sets.  
N. A. Derevitskii. Zhel. dor. transp. 47 no. 3:29-30 Mr '65.  
Method of material selection to achieve the lowest weight of passenger cars. A. L. Spivakovskii. Tруды МИИТ no. 185:48-57 '64.  
Results of the testing of the state of stress and dynamic (running) qualities of passenger cars manufactured from high-strength aluminum alloys. A. L. Spivakovskii. Tруды МИИТ no. 185:58-62 '64.

## RAILROADS—PASSENGER TRAFFIC

- Belon'ki, M. N. [Economics of railroad passenger transportation] Ekonomika zheleznodorozhnykh passazhirskikh perivozok, Moskva, Transport, 1965, 275 p.

## RAILROADS—RAILS

- Improvement of the rail profile is a must. V. V. Basilev. Zhel. dor. transp. 47 no. 3:62-64 Mr '65.  
Improving the quality of rails. D. S. Kazarnovskii. Put' i put. khoz. 9 no. 4:15-17 '65.  
Investigating the metal structure of rails hardened along their full length. A. N. Zannas and others. Met. i gor. nord. prom. no. 2:40-41 Mr-Apr '65.  
Laying of rail lengths without end cutting. V. A. Kozlovskii, S. N. Krasnovskii. Put' i put. khoz. 9 no. 5:8-12 '65.

## RAILROADS—RAILS—CORROSION

- Corrosion and protection of rails in tunnels. S. G. Vedenkin, V. V. Dobrolubov. Zashch. met. 1 no. 1:84-90 Ja-F '65.

## RAILROADS—RAILS—DEFECTS

- Single-rail defectoscope. V. B. Kozlov, V. P. Mukhin. Put' i put. khoz. 9 no. 5:26-28 '65.

## RAILROADS—RAILS—WELDING

- Adopting a progressive method of rail welding. I. N. Kvashnin, I. P. Sharov. Put' i put. khoz. 9 no. 5:23 '65.  
Improved hoisting mechanism. G. A. Kozlov. Put' i put. khoz. 9 no. 4:30 '65.  
Increasing labor productivity. I. G. Gendel'man. Put' i put. khoz. 9 no. 5:38 '65.  
Providing for work safety. S. M. Isaev. Put' i put. khoz. 9 no. 4:5 '65.  
Ways to secure high-quality ferrite welding. V. N. Shepelev. Put' i put. khoz. 9 no. 5:39-40 '65.

## RAILROADS—RATES

- [Rates manual No. 4.] Tarifnoe rukovodstvo No. 4. Moskva, Transport.  
Book 1. [Distance rates between railroad stations, sections, and junctions. In effect from July 1, 1965.] Tarifnye rasslozheniya mezhdu stantsiyami uchastkov i uzlovymi punktami zheleznichnykh dorog. Vvedeno v deystvie s 1 Iulia 1965 g. 1965, 370 p.

## RAILROADS—REPAIR SHOPS

- Economics of production shops under the new conditions. T. E. Trubachev. Zhel. dor. transp. 47 no. 3:65-69 Mr '65.

## RAILROADS—ROLLING STOCK—COMMUNICATION SYSTEMS

- Some problems of the improvement of radio communication systems of trains. N. P. Solov'ev. Avtom. i telemek. i svyaz' 9 no. 4:26-28 Ap '65.

## RAILROADS—SAFETY MEASURES

- Value of public inspection. I. A. Kvetnyi. Avtom. i telemek. i svyaz' 9 no. 5:25-27 My '65.

## RAILROADS—SIGNALING

- (see also subdivision under Great Britain)  
Changes in dispatcher control networks. L. P. Tretyakov. Avtom. i telemek. i svyaz' 9 no. 4:35-37 Ap '65.  
Changes in the circuits of semiautomatic relay block systems as directed by the new "Instructions on signaling." S. I. Afanas'eva. Avtom. i telemek. i svyaz' 9 no. 4:19-22 Ap '65.  
The communication workers of Gorkiy are fighting for technological progress. N. I. Men'shikov. Avtom. i telemek. i svyaz' 9 no. 5:11-16 My '65.  
Device for measuring the duration of impulses and intervals. P. S. Panur. Avtom. i telemek. i svyaz' 9 no. 5:28-30 My '65.  
Distortion of code impulses in track circuits and methods for preventing it. P. S. Panin. Avtom. i telemek. i svyaz' 9 no. 4:41-43 Ap '65.  
Good condition of equipment is a guarantee of faultless operation. G. K. Luk'yanov. Avtom. i telemek. i svyaz' 9 no. 4:33-34 Ap '65.  
Group protection of information models. V. A. Mikhayev, V. G. Pershchev. Vest. TSNI MPS 24 no. 2:63-64 '65.  
Improvement of the operation of automatic and remote control devices. I. M. Preis. Avtom. i telemek. i svyaz' 9 no. 4:11-11 Ap '65.  
Shortcomings in the organization of construction. A. F. Ermolenko, B. S. Naumov. Avtom. i telemek. i svyaz' 9 no. 5:17 My '65.

- Single-track automatic block system without main track signal lights and with unlimited pulse track circuits. A. V. Shishilakov, D. A. Kogan, L. N. Antonova. Avtom. i telemek. i svyaz' 9 no. 5:20-24 My '65.

- Technical documentation should be carried out in an outstanding manner. B. F. Terent'ev. Avtom. i telemek. i svyaz' 9 no. 5:38-10 My '65.

## RAILROADS—SIGNALING—BIBLIOGRAPHY see Bibliography—Railroads—Signaling

## RAILROADS—SIGNALING—BLOCK SYSTEM

- How we organize the overhaul operations of automatic block systems. I. A. Fomin. Avtom. i telemek. i svyaz' 9 no. 5:36-37 My '65.

## RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

- Dispatcher control in a railroad yard. A. G. Shmurov. Elek. i tel. tsiaga. 6 no. 3:9-10 Mi '62.

## RAILROADS—SIGNALING—PERIODICALS

- The one-hundredth issue. Avtom. i telemek. i svyaz' 9 no. 4:23-25 Ap '65.

## RAILROADS—SNOW PROTECTION AND REMOVAL

- Mel'nik, D. M., F. D. Barykin, and P. P. Nedashkovskii. [Snow removal machinery with brush rotors] Snego-uborschiki so shchelochnymi rotormi, Moskva, Transport, 1965, 46 p. (Dostizheniya nauki i tekhniki - v proizvodstvo)

## RAILROADS—STATION SERVICE

- Improvement of the economic work in stations. A. I. Zhuravlev and others. Zhel. dor. transp. 47 no. 3:69-72 Mr '65.

## RAILROADS—STATIONS

- (see also subdivision under Moscow)

- Dakhno, V. P. [Combined passenger stations and railroad terminals] Ob'edineniya passazhirskie stantsii i vokzaly, Kiev, Budivelnik, 1965, 77 p.

## RAILROADS—SWITCHING

- Electric locomotives prove to be effective in switching operations. R. Z. Nurmukhamedov, V. M. Timoshkov. Zhel. dor. transp. 47 no. 3:26-28 Mr '65.  
Use of humps in section stations. P. I. Kisil'syn, M. V. Mar'in. Zhel. dor. transp. 47 no. 3:20-23 Mr '65.

## RAILROADS—TIES

- (see also subdivision under Siberia)

- A collective strives for better tie quality. M. N. Provodina. Put' i put. khoz. 9 no. 4:36-38 '65.  
Effect of tie dimensions on their performance. M. P. Bissarskii. Vest. TSNI MPS 24 no. 2:41-47 '65.

## RAILROADS—TIES, CONCRETE

- (see also subdivision under Russia, Southern)

- Make greater use of reinforced concrete ties. S. A. Pashinin. Put' i put. khoz. 9 no. 4:28-31 '65.

## RAILROADS—TRACK

- New norms for track maintenance. Put' i put. khoz. 9 no. 5:35 '65.  
Operation of two-track insertions. V. I. Kozlov, N. I. Safargalin. Zhel. dor. transp. 47 no. 3:35-37 Mr '65.  
Prospects of the development of track facilities. M. A. Chernyshev. Put' i put. khoz. 9 no. 4:2-5 '65.  
Ways to secure the necessary elasticity of tracks laid on reinforced concrete ties. G. M. Shakhmurov. Put' i put. khoz. 9 no. 4:32-35 '65.

## RAILROADS—TRACKLAYING MACHINERY

- Convenient device. V. G. Kalinin, D. P. Khomenko. Put' i put. khoz. 9 no. 4:40 '65.

## RAILROADS—TRAFFIC

- Accelerating the turnaround of passenger cars sets. N. A. Derevitskii. Zhel. dor. transp. 47 no. 3:29-30 Mr '65.  
Determining the weight of trains and traffic volume by the load per unit length. N. A. Vorob'ev, M. S. Grishin. Vest. TSNI MPS 24 no. 2:47-51 '65.  
Efficient routing of car flows. I. N. Kolsaga, N. I. Afonichkin, N. I. Korovin. Zhel. dor. transp. 47 no. 3:14-16 Mr '65.  
Increasing the speed and weight of freight trains on single-track lines. I. G. Tikhomirov, P. A. Sytko. Zhel. dor. transp. 47 no. 3:31-33 Mr '65.  
Introduce the new advanced practices in the preparation of train sheets. A. D. Karetnikov, N. A. Vorob'ev. Zhel. dor. transp. 47 no. 3:3-9 Mr '65.  
Operation of two-track insertions. V. I. Kozlov, N. I. Safargalin. Zhel. dor. transp. 47 no. 3:35-37 Mr '65.

## RAILROADS—TRAIN LOAD

- Determining the weight of trains and traffic volume by the load per unit length. N. A. Vorob'ev, M. S. Grishin. Vest. TSNI MPS 24 no. 2:47-51 '65.

## RAILROADS—TRAINS

- Excursion and tourist trains. Zhel. dor. transp. 47 no. 3:82 Mr '65.

## RAILROADS, INDUSTRIAL—SWITCHING

- Automatic pusher truck for saw mills. G. P. Zizenberg. Zhel. dor. transp. 47 no. 3:31-32 Mr '65.

## RAILROADS, INDUSTRIAL—TRAFFIC

- Coordinated train sheets in inland navigation. D. F. Kiyassov, V. I. Pospelov. Zhel. dor. transp. 47 no. 3:77-79 Mr '65.

## RAILROADS, NARROW-GAUGE

- Standardization of narrow gauges. Zhel. dor. transp. 47 no. 3:19-20 '65.

## RAILROADS, NARROW-GAUGE—TRACK

- Overall mechanization of track laying for narrow-gauge railroads. Biol. tekhn. i ekon. inform. Gosstatizmat. nauch. i tekhn. inform. 18 no. 3:6 '65.

## RAMAN EFFECT

- Induced Raman scattering in media containing tropic molecules. V. T. Platonenko, R. V. Opat'skiy. Opt. i spekt. 18 no. 3:369-376 Mr '65.  
Stimulated Raman scattering in the anti-symmetric stretching vibrations of sodium and potassium nitrates from Raman spectra. F. V. Chel'tsov. Izv. vuzov. fizika 7 no. 5:1586-1588 My '65.  
Studying molecular interaction in solution by Raman scattering line contours. N. I. Rozov, F. V. Chel'tsov. Vest. Mosk. un. Ser. 3: Fiz., astron. 20 no. 1:10-12 Ap '65.  
Threshold and line intensity of induced Raman scattering in liquids. S. A. Akhmanov and others. Zhurnal teoret. fiz. 48 no. 4:1202-1204 Ap '65.

## RANDOM PROCESSES

- Stochastic description of the random processes of a rarefied gas. S. V. Vallander. Dokl. Akad. Nauk SSSR 207:207-209 My '65.

## RANGE FINDING

- Navigation on dry land. P. Grabovskii. Vozd. flot. 41 no. 6:36-37 Je '65.

## RARE-EARTH BORIDES—ELECTRIC PROPERTIES

- Thermionic properties of a samarium, cerium, gadolinium hexaborides. S. V. Ershov, B. V. Tsvetkov. Radiotekhn. i elektron. 10 no. 5:972-973 '65.

## RARE-EARTH COMPOUNDS

- Extraction of hydroxamate complexes of lanthanum, cerium, praseodymium, and neodymium. A. M. Gol'ts, M. I. Olevinskii, E. P. Lutsenko. Ukr. khim. zhur. 31 no. 12:17 '65.  
New compounds formed by rare-earth oxides with N. I. Sevost'yanova and others. Dokl. AN SSSR 161 no. 6:1359-1361 Ap '65.

## RARE EARTH COMPOUNDS—SPECTRA

- Stimulated radiation in solutions of rare-earth complexes. P. A. Barbulin and others. Opt. i spekt. 13 no. 3:526-529 Mr '65.

## RARE-EARTH FERRITES—ELECTRIC PROPERTIES

- Electric properties of certain orthoferrites of rare-earth elements. K. P. Belov, A. M. Kader, T. I. Ovchinnikova. Vest. Mosk. un. Ser. 3: Fiz., astron. 20 no. 2:92-94 Mr-Apr '65.

## RARE-EARTH METALS

- Effect of rare-earth metals on the susceptibility of structural steel to temper brittleness. I. S. Zaslavskii, M. M. Sandomirskii. Izv. AN SSSR, Met. 1965:111-113 Ja-F '65.  
Form of graphite in cast iron treated with rare-earth metals. N. A. Sidorov. Lit. proizv. 1965:22-23 Je '64.

## RARE-EARTH NITRATES

- Removal of Fe, Cu, Co, and Ni traces from lanthanum and cerium nitrate solutions. M. P. Belov. [Trudy] GIN 4 no. 5:116-118 '64.

## RARE-EARTH SILICATES

- On a particular structural type of some orthosilicates of rare-earth elements. I. I. Smolin and others. Izv. AN SSSR, Ser. khim. 1965:926-928 '65.  
Study of the phase diagram of the systems calcium orthosilicate-neodymium orthosilicate and calcium orthosilicate-lanthanum orthosilicate. N. A. Turrova, N. F. Fedorov. Izv. AN SSSR, Neorg. mat. 1 no. 1:128-130 Ja '65.

## RARE EARTHS

- Interatomic distances of lanthanides in metal crystals. B. S. Sarkisov. Dokl. AN SSSR 161 no. 5:1093-1095 Ap '65.

## RARE EARTHS—ANALYSIS

- Photometric determination of cerium and other rare-earth elements using arsenazo III. L. M. Budanova, S. M. Pinaeva. Zhur. anal. khim. 20 no. 3:320-324 '65.

## RARE EARTHS—SPECTRA

- Fluorescence of rare earths. Part 1. H. Müller-Buschbaum, H. Witzmann. Opt. i spekt. 18 no. 3:432-439 Mr '65.

RARE GASES see Gases, Rare

#### RASSHEVATSKOYE GAS FIELD—GAS WELL COMPLETION

Drilling-in a clay gas-bearing bed using a saline drilling fluid. F. S. Abdulin and others. *Barente* no. 6 18-20 '64

RATE OF CHEMICAL REACTION see Chemical reaction, Rate of

RATS AS CARRIERS OF DISEASE see subdivision under Oedema

#### RAUWOLFIA

Germination of the seeds of *Rauwolfia serpentina* Benth. B. S. Gulati, P. Singh, B. P. Dimri. *Biol. Glav. bot. sada* no. 56:36-38 '64.

#### RAYON

Characteristics of acetate and triacetate fibers. I. V. Vasil'ev. *Tekst. prom.* 25 no. 5 15-19 My '65  
Design for ethical speeds of the LVA electric spindle of acetate silk spinning machines. I. A. Popov. *Izv. vuz. ucheb. zav.*, tekhn. tekst. prom. no. 2 119-154 '65.  
Study of acetate silk deacetylated by alkali. B. Kuznetsov. *Trudy AN Litv SSR Ser. B* no. 3 101-110 '64.

#### RAYON SPINNING

Properties and utilization of the wastes from the spinning of viscose fibers and their blends with cotton. S. N. Ryseva. *Izv. vuz. ucheb. zav.*, tekhn. tekst. prom. no. 2 3-8 '65.

#### REACTANCE (ELECTRICITY)

Capacitance determination of synchronous reactances. G. A. Parkhomenko, V. S. Spannut. *Elektr. otekhnik* 36 no. 5 51-52 My '65.

#### READING—AUDIO-VISUAL AIDS

Changeable ABC book. A. O. Iurchuk. *Rad. shk.* 43 no. 1 60-61 Ap '65

#### READING (ELEMENTARY)

Training in reading classes. L. I. A. Grishina. *Nach. shkola* 35 no. 2 19-23 F '65

#### REALISM IN LITERATURE

Realism of Icelandic sagas. M. I. Steblin-Kamenskii. *Vest. LGU* 20 no. 8 107-116 '65.

#### REAMERS

Movable draw-in reamer. V. P. Kiselev. *Mashinostroitel'* no. 4 17 Ap '65

#### REARRANGEMENTS (CHEMISTRY)

Synthesis and study of the transformations of acetylenic  $\alpha$ -glycols. I. A. 9. Molecular rearrangements observed in the reactions of 3,4-dimethyl-1-hexyne-3,4-diol with. T. A. Favorskaya, G. M. Tolstopyatov, M. R. Gal'ding. *Zhur. ob. khim.* 35 no. 4 593-597 Ap '65.  
Thermal rearrangement of complete phosphoric acid esters with saturated radicals. A. N. I. udovik, A. I. Rakov. *Dokl. AN SSSR* 161 no. 6 1352-1355 Ap '65.

#### REBRIN, PETR

Comprehension of life. I. U. Burlin. *Nov. mi* 41 no. 5: 254-257 My '65.

#### RECEIVING STOLEN GOODS

Strengthen the active control of acquisition and disposition of stolen property in cases where there is no understanding before the fact. G. Shelkovkin, N. Kozhanskii. *Sov. iust.* 29 no. 7 16-18 Mr '65

#### RECEPTORS (NEUROLOGY)

Examination of the vestibular apparatus by the method of combined stimulation of its sensory nerve receptors. V. G. Baranov. *Voen.-med. zhur.* no. 7 55-58 '64.

Extra- and interreceptive influences on the lymph circulation in ontogeny. I. A. Boromzhanova. *Trudy Inst. fiziol. AN Kazakh SSR* no. 2 208-224 '65.

Properties of some quantitative characteristics of the vestibular analyzer in rabbits. B. B. Boklov, A. A. Shipov. *Biol. eksp. biol. i med.* 59 no. 4 112-14 Ap '65

Significance of gastric receptors for a differentiated alimentary behavior. V. G. Kassil'. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3 59-63 '65.

Significance of some characteristics of the type of higher nervous activity in regulation of the trophic phase of the salivatory reflex. O. M. Fugol'. *Fiziol. zhur. [Ukr.]* 9 no. 1 27-33 Ja-F '63.

Two-way character of conditioned temporary connection between motor and visual analyzers (change in the level of the steady potential of the surface of the cerebral cortex in rabbits). T. B. Shvets. *Zhur. vys. nerv. delat.* 15 no. 1 23-31 Ja-F '65.

#### RECEPTORS (NEUROLOGY)—AGING

Age-related characteristics of the sensitivity of vascular chemoreceptors to the effect of CO<sub>2</sub> and acetylcholine. I. V. Shekoleva. *Vop. geront. i geriat.* 4 00-02 '65.

#### RECIDIVISTS

Eradication of recidivism is an important problem of crime prevention. G. Anashkin, S. Stopichev. *Sots. zakon.* 42 no. 5 94-96 My '65.

Obshchestvo "Znanie" RSFSR. [Overcoming of the vestiges of the past and crime prevention] Proddolenie perezhitiy proshlogo i bor'ba s prestupnost'yu, sbornik statel. Moskva, 1964. 61 p. (V pomosch' lektoru) [MICROFILM]

Personality study of recidivist criminals. V. I. Pinchuk, T. A. Kleimenov. *Sov. gos. i pravo* 35 no. 5 102-103 My '65.

#### RECLAMATION OF LAND

(see also subdivision under West Siberian Plain)  
Economic effectiveness of the reclamation of Solonchaks soils in the semidesert zone of Aktyubinsk Province. S. Kulkaev. *Vest. sel'khoz. nauk [Kazakh]* 8 no. 4 3-7 Ap '65  
Last swamp. E. Mai. *Sem'ya i shkola* 20 no. 3 44-45 My '65.

#### RECLAMATION OF LAND—ABSTRACTS

[Soil science, Fertilizers, Reclamation] Ref. zhur. Pochv. udobr. mel. nos. 10-11 My-Je '65.

#### RECLAMATION OF LAND—CONGRESSES

Problems of soil improvement at the 8th International Congress of Soil Scientists in Bucharest. N. G. Mina-shina, I. N. Sklynnikova. *Pochvovedenie* no. 5 88-101 My '65

#### RECONSTRUCTION

Role of the Ukrainian economy in the Soviet Union's victory over fascist Germany. Z. Danyliuk, M. Danyliuk. *Ekonom. Rad. Ukr.* 8 no. 1 16-20 Ap '65

School reborn from the ruins. B. Uspenski. *Prof., tekhn. obz.* 22 no. 5 18-19 My '65.

#### RECORDING INSTRUMENTS

Nonuniformity of the weight of the product and its calculation by the diagrams of recording instruments. B. P. Pordnikov. *Tekst. prom.* 25 no. 5 62-64 My '65

Using the recording instrument designed at the "Kaluzh" Plant for recording the waviness of antifriction bearing grooves. B. T. Shefel', V. I. Kienev, A. A. Shechant'syn. *Izv. tekhn.* no. 3 21-22 Mr '65

RECOVERY ROOM (SURGERY) see Postoperative care

#### RECTUM—ANATOMY

Materials on macro- and microscopy of the rectal glands in man and some animals. Report No. 1. A. A. Kravtchuk. *Trudy Khark. med. inst.* no. 38 41-49 '57.

#### RECTUM—CANCER

Abdomino-anal resection of the rectum for cancer. T. A. Gerasimik. *Vest. khir.* 93 no. 12 40-44 D '64.  
Arteriography in cancer of the rectum. S. A. Rodkin. *Khirurgiya* 11 no. 4 78-81 Ap '65.

#### RECTUM—SURGERY

Abdomino-anal resection of the rectum for cancer. T. A. Gerasimik. *Vest. khir.* 93 no. 12 40-44 D '64

#### RED CLOVER

Recent data on the cytology of red clover. Z. P. Shutova. *Bot. zhur.* 50 no. 3 385-387 Mr '65.

RED DEER see subdivision under Ural Mountains

#### REDUCTION, CHEMICAL

Reduction of benzaldehyde and p-nitrobenzaldehyde by N-benzyl-1,4-dihydropyridine in an alkaline solution. A. A. Isanikov, E. A. Shilov, O. M. Grishin. *Ukr. khim. zhur.* 31 no. 1 118-119 '65.

#### REDUCTION, ELECTROLYTIC

Effect of two-charge cations on the process of oxygen reduction on platinum in alkaline solution. L. Muller, V. V. Sobol'. *Elektr. khim. i 1 no. 1 111-112 Ja '65.*  
Mechanism of iron reduction from alkaline solutions. Part I: Reduction of iron from alkali solutions saturated with hydrated iron oxide and from corresponding suspensions. L. I. Llamina, K. M. Gorbunova. *Elektr. khim. i 1 no. 1 41-45 Ja '65.*

#### REED (BUILDING MATERIAL)

New structural elements made by using reeds. I. U. Bobrov. *Sel'. stroit.* 19 no. 1 17 Ja '65.

#### REFERENDUM

V. F. Kotok's "Referendum in the system of socialist democracy." V. Tsvetkov, S. Makohon, R. Synel'nikova. *Rad. pravo* 28 no. 2 147-148 Mr-Apr '65

#### REFLECTION (DIALECTICAL MATERIALISM)

Characteristics of reflection in inanimate nature. N. V. Timofeeva. *Nauch. dokl. vys. shkoly. filos. nauk* 7 no. 5 53-58 '64.  
Present-day natural science and the theory of reflection. A. M. Korshunov. *Vop. filos.* 19 no. 4 168-171 '65.  
Zhukov, N. I. [Information in the light of the Marxist-Leninist theory of reflection; author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] Informatsia v svetle marksistsko-leninskoi teorii otrazhenii; avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filosofskikh nauk. Nauch. rukovoditel' G. A. Levin. *Minak, Belorusskii gos. univ.*, 1964. 18 p. [MICROFILM]

#### REFLEXES

Change in vestibular somatic reflexes in man in relation to the functional state of the cerebral cortex. I. S. Usachev. *Voen.-med. zhur.* no. 7 58-62 '64.

Effect of ribonuclease on nonconditioned and conditioned reflexes in ontogeny of white mice. O. A. Krylov, R. A. Danilova, V. S. Tongva. *Zhur. vys. nerv. delat.* 15 no. 1 79-85 Ja-F '65

Physiological characteristics of the eyeball-heart reflex in gradual compression of the eyes with increasing force. I. P. Pshenichnyi. *Zhur. nev. i psikh.* 65 no. 5 703-710 '65.

Significance of gastric receptors for a differentiated alimentary behavior. V. G. Kassil'. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3 59-63 '65.

State of some unconditioned reflexes in patients with neuroses and the obsessional syndrome. N. K. Lipgart. *Zhur. nev. i psikh.* 65 no. 5 711-714 '65.

Sympathoadrenal complex in man under prolonged (several hours) effect of aminazine. I. I. Il'in, M. S. Dziubenko, B. B. Bargman. *Biol. eksp. biol. i med.* 59 no. 4 66-68 Ap '65

Visceroreflex paroxysmal syndrome. N. K. Bogolepov. *Sov. med.* 28 no. 5 34-37 My '65

REFORESTATION see subdivision under Tambov Province

#### REFRACTOMETER

Using two solvents for determining oil content by the refractometric method. G. I. Bagali. *Maslozhir. prom.* 41 no. 3 12-15 Mr '65

#### REFRACTORIES INDUSTRY

Socialist competition for an early completion of the 1965 plan, last of the seven-year plan period. Ogneupory 30 no. 3 1-6 '65

#### REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic weight proportioning equipment. G. A. Bogdanov, V. V. Zimina. *Ogneupory* 30 no. 3 15-16 '65

#### REFRACTORIES INDUSTRY—HANDBOOKS, MANUALS, ETC

Aristov, G. G., and V. M. Nikulin. [Skilled worker in the refractories industry, a handbook] *Master ogneupornogo proizvodstva, spravochnik.* Moskva, Metallurgiya, 1965. 319 p.

#### REFRACTORIES INDUSTRY—MANAGEMENT

Experiment in operating a public designing office. B. P. Beliaev, N. I. Kapustin. *Ogneupory* 30 no. 3 41-42 '65.

#### REFRACTORIES INDUSTRY—TECHNOLOGICAL INNOVATIONS

Work of efficiency promoters in refractories enterprises in 1964. *Ogneupory* 30 no. 5 1-7 '65.

#### REFRACTORY CONCRETE

Refractory concrete for heating furnaces. V. K. Kozlov. *Ogneupory* 30 no. 3 45-46 '65.

Sheikin, A. E. [Outline of lectures on individual parts of the course "New materials in industry"] *Konspekt lektsii po otdebnym razdelam kursa "Novye materialy v tekhnike."* Moskva, Mosk. in-t inzhenerov zhelezn. transp., 1963. 90 p. [MICROFILM]

#### REFRACTORY MATERIALS

(see also subdivision under Bogdanovich, Sverdlovsk Province; Valdai Hills)

Calcining dolomite from the Lis'ya Mountain deposit in a rotary kiln. K. V. Simonov, K. S. Nazarov. *Ogneupory* 30 no. 3 24 '65.

Formation of bonds in the firing process of refractories on a silicon carbide base. I. A. Guzman, E. I. Tumakova. *Ogneupory* 30 no. 5 41-46 '65.

High-melting and solid compounds. G. A. Meerson. *Izv. AN SSSR, Neorg. mat.* 1 no. 1 16-28 Ja '65.

Increasing the resistance of the lining in double steel-tapping spouts of open hearth furnaces. P. N. D'kachkov and others. *Ogneupory* 30 no. 3 32-35 '65.

Lengthening the life of fire port brickwork. V. P. Emel'yanov. *Metallurg* 10 no. 3 31 Mr '65

Operation of a basic gas cupola with refractory bed charge. V. A. Fulev and others. *Lit. proizv.* no. 6: 35-35 Je '64

Radiometric investigation of the resistance of a blast furnace hearth bottom. I. U. P. Beliaev and others. *Met. i gornorud. prom.* no. 2 11-14 Mr-Apr '65.

Rammed lining of the walls and arch of a steelmaking arc furnace. I. I. Semenov. *Lit. proizv.* no. 6 36 Je '64

Ramming a new open-hearth furnace hearth bottom. V. I. Zhigulin, A. M. Gavrilov, L. M. Katal'. *Metallurg* 10 no. 3 16-17 Mr '65

Refractories for copper smelting converters. V. A. Ragozinikov, E. E. Grishenkov. *TSvet. met.* 38 no. 4 31-35 Ap '65.

Refractory oxygen-free compounds. V. Cholonechik. *Inform. bluz. VDNK* no. 4 36-38 Ap '65

Selecting the rate of press molding of refractories. N. M. Savilev and others. *Ogneupory* 30 no. 5 23-27 '65.

## REFRACTORY MATERIALS (Continued)

Semi-lightweight corundum refractory. I.S. Kalnarskii, A.N. Gaido, I.P. Usatkov. Ogneupory 30 no. 5:38-40 '65.

Use of surface active additives for compacting alumina-silicate refractories during pressing. G.V. Kukolev, Z.N. Palaguta. Ogneupory 30 no. 3:10-14 '65.

Wetting of refractories with molten steel and slag. N.V. Pitak, N.L. Plianykh. Ogneupory 30 no. 5:31-37 '65.

## REFRACTORY MATERIALS—ANALYSIS

Rapid complexometric method of determining the content of  $Fe_2O_3$  and  $Al_2O_3$ — $TiO_2$  in refractory materials. M.K. Smilko, M.P. Fer. Ogneupory 30 no. 5:17 '65.

## REFRACTORY MATERIALS—DENSITY

Rapid method of determining the zircon content in a quartz mixture. S.T. Balluk. Ogneupory 30 no. 3:42-44 '65.

## REFRACTORY MATERIALS—TESTING

Slag resistance of refractory products. P.S. Mamykin, N.U. Uskumbaev. Ogneupory 30 no. 3:35-41 '65.

## REFRIGERATION AND REFRIGERATING MACHINERY

Apparatus for freezing and long-term storage of biological products. A.P. Merkulov. Khol. tekhn. 42 no. 2:43-45 Mr-Apr '65.

Automatic refrigeration unit. A.P. Kuznetsova. Avt. dor. 28 no. 3:13-14 Mr '65.

Automatic systems for ammonia refrigerating plants. A.I.A. Chupakhin. Khol. tekhn. 42 no. 2:23-25 Mr-Apr '65.

Branch conference on the manufacture of refrigerating machinery. Khol. tekhn. 42 no. 2:67-68 Mr-Apr '65.

Determining the working steam consumption in steam jet refrigerating systems. M.A. Sil'man. Khol. tekhn. 42 no. 2:17-18 Mr-Apr '65.

Efficiency of the preliminary cooling of early fruit and vegetables. A. Zhavoronkov. Zakup sel'khoz. prod. no. 5:24-25 My '64.

Experience in the operation of the "Laura" refrigerating plant. Z. Azarkh, A. Latatueva, M. Morozova. Mias. ind. SSSR 36 no. 2:35-37 '65.

Graphic method for the design of a system for the cooling of objects with different temperatures. S.Sh. Gorelik. Khol. tekhn. 42 no. 2:19-20 Mr-Apr '65.

The MKH-8S refrigerating equipment. Inform. biul. VDNKH no. 4:25 Ap '65.

Rotary unit for block freezing of meat and by-products. I. Miropolskii. Mias. ind. SSSR 36 no. 2:29-30 '65.

Two-position and proportioning pressure regulators for Freon refrigerating machinery. I.U.G. Kononov, V.M. Shavra. Khol. tekhn. 42 no. 2:26-30 Mr-Apr '65.

Use of dibutyl phthalate for Freon absorption refrigeration systems. V.M. Seliverstov. Khol. tekhn. 42 no. 2:30-32 Mr-Apr '65.

## REFRIGERATION AND REFRIGERATING MACHINERY—LUBRICATION

Experimental study of the properties of the mixtures of Freon 22 with lubricants. L.Z. Meisler, T.S. Dremukh, V.A. Semenduk. Khol. tekhn. 42 no. 2:33-36 Mr-Apr '65.

## REFRIGERATION AND REFRIGERATING MACHINERY—PATENTS

Franklin, M.M. [Special purpose refrigerating machinery and air-conditioning plants and systems for their regulation] Kholodil'nye mashiny i ustanovki konditsionirovaniya vozdukhov spetsial'nogo naznacheniya i sistemy ikh regulirovaniya. Moskva, Tsentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekonomicheskikh issledovaniy, 1964. 26 p. (Obzor otechestvennykh i zarubezhnykh izobreteniy)

## REFRIGERATION AND REFRIGERATING MACHINERY—SAFETY MEASURES

Suggested amendments of the Safety Regulations for Ammonia Refrigerating Plants. I.S. Badyuk, I.M. Gindlin. Khol. tekhn. 42 no. 2:54-56 Mr-Apr '65.

## REFRIGERATOR CARS

Bekhterev, V.D. [Design of the refrigerating equipment of cars and of the air-conditioning systems; abstract of the special course in "Cars and car operation and maintenance"] Raschet kholodil'nogo oborudovaniya vagonov i priborov vozdukhokonditsionirovaniya; konspekt po spetsial'nosti "Vagony i vagonnoe khoz.iastvo." Uchebnoe posobie. Moskva, Mosk. in-t inzhenerov zhelezn. transp., 1964. 68 p.

[MICROFILM]

## REFRIGERATOR SHIPS

(see also subdivision under Atlantic Ocean)  
Are special norms needed for loading slightly- and medium salted herring into the holds of refrigerator ships? I.I. Korzhkin, O.M. Mel'nikova. Ryb. khoz. 41 no. 3:58-59 '65.

## REFRIGERATORS—LUBRICATION

Lubrication of the compressor of household refrigerators. A.D. Malarchikov. Khol. tekhn. 42 no. 2:62-63 Mr-Apr '65.

## REFUSE AND REFUSE DISPOSAL

Present-day refuse collecting machinery in foreign countries. E.M. Bukreev. Nov. tekhn. zhil. i kom. khoz.: Blagoust. gor. [no. 1]: 36-51 '61.

Refuse sorting station. B.A. Cherches. Nov. tekhn. zhil. i kom. khoz.: Blagoust. gor. [no. 1]: 66-74 '61.

## REGENERATION (BIOLOGY)

Age-related aspects of quantitative changes in deoxyribonucleic acid under conditions of reparative regeneration of the myocardium. N.D. Skuba. Vop. geon. i geriat. 4:130-135 '65.

Concerning I.V. Fedorov's work, "On regeneration of a ureter following substitution of its defects with polyethylene prostheses." I.M. Derevianko. Vest. khir. 94 no. 2:114-118 F '65.

Correlation between the regeneration of parenchymal elements and the state of the connective tissue. B.P. Solopayev. Sob. AN Gruz. SSR 29 no. 1:101-106 Ji '62.  
Effect of antitumoral compounds on the regeneration of the liver in rats. G.L. Zhdanov, I.B. Sorokina, V.P. Mal'kova. Dokl. AN SSSR 161 no. 5:1235-1237 Ap '65.

Effect of suture material on the regeneration of tendons, experimental study. S.I. Degtiareva, G.I. Lavrisheva. Ortop. i travm. i protez. 26 no. 1:52-56 Ja '65.

Interrelations between the function of the thyroid gland and regenerative processes in the muscles following administration of galascobline. L.P. Khomyts'ka. Fiziol. zhur. [Ukr.] 9 no. 1:96-101 Ja-F '63.

Proliferation of the elements of the granulation tissue and the young epithelium in alternating administration of various hormones. A.I. Bukhonova. Arkh. pat. 27 no. 3:43-48 '65.

Reaction of the neurons of the cerebral cortex in reparative regeneration in mammals. I.A. M. Soskin. Biul. eksp. biol. i med. 59 no. 4:113-118 Ap '65.

Regeneration efficiency in mice irradiated with 600 MeV protons. A.G. Konopliannikov, I.U. B. Kudriashov, S.P. Iarmonenko. Dokl. AN SSSR 161 no. 6:1448-1450 Ap '65.

Reparative regeneration of the skeletal muscle tissue during the administration of ascorbic acid and vitamin P preparations. A.V. Zakharova, L.P. Turlikova. Arkh. anat., gist. i embr. 46 no. 4:89-94 Ap '64.

Stimulation of the regeneration processes of the skin. E.V. Kadilov, A.A. Ovsiepan. Arkh. anat., gist. i embr. 46 no. 4:38-41 Ap '64.

## REGIONAL PLANNING

Bogorad, D.I. [Constructive geography of a region; principles of regional planning] Konstruktivnaya geografiya raiona: osnovy raional'noy planirovki. Moskva, Mysl', 1965. 408 p.

## REHABILITATION

Social and work adaptation in neurosis of obsessional states. N.M. Asatiani, A.I. Smolina. Zhur. nevr. i psikh. 65 no. 5:762-765 '65.

Types of psychic disorders in slowly developing schizophrenia in relation to the problems of social readaptation. I.G. Urakov. Vop. klin. i patog. i lech. shiz. no. 1:140-144 '64.

## REHABILITATION OF CRIMINALS

Kotov, D.N., and S.I. Chestakov. [End of the crooked path] Konets krivoy tropy. Alma-Ata, Kazgostizdat, 1962. 125 p.

[MICROFILM]

Personality study of individuals condemned to prison. V.T. Lashko. Sov. gos. i pravo 35 no. 5:98-101 My '65.

REINDEER see subdivision under Russia, Northern

## REINFORCED CONCRETE

Strength and rigidity of flexible concrete and reinforced concrete elements under short-term loading. V.N. Gornov. Bet. i zhele.-bet. 8 no. 6:252-257 Je '63.

Studying the strengthening of canal slopes with alogs. U.A. Struts. Vest. AN BSSR. Ser. sel'khoz. nav. no. 1:88-95 '65.

## REINFORCED CONCRETE CONSTRUCTION

Defects in exterior panels of completely prefabricated apartment houses during temperature deformations according to data obtained from in-situ investigations. A.A. Emel'yanov. Anal. prich. avar. i povr. stroit. kon. no. 2:153-176 '64.

Determining the fire resistance limits of reinforced concrete structures under various temperature conditions. I.G. Khodakovskii, M.I.A. Roltman. Fozh. bezop. no. 3:31-38 '64.

Some problems involved in the amount of steel used in the foundations of rolling equipment. F. Gitman. Prom. stroit. i inzh. soor. 6 no. 2:10-13 Mr-Apr '64.

## REINFORCED CONCRETE PRODUCTS

(see also subdivision under Ukraine)  
Manufacture of thin-walled reinforced concrete members by the vibratory bending method. V.V. Shugayev, A.T. Nazarov. Gidr. i mel. 17 no. 4:1-12 Ap '65.  
On the forefront of quality. G. Shapovalova. Stroit. i arkh. Mosk. 14 no. 4:13-15 Ap '65.

## REINFORCED CONCRETE PRODUCTS—CURING

(see also subdivision under Penza)  
Radin, A.M. [Thermal and steam curing of concrete and reinforced concrete products] Termovlazhnostnaya obrabotka betonnykh i zhelezobetonnykh izdelii. Pod red. S.V. Shestoperova. [Moskva] Vysshaya shkola, 1964. 23 p.

[MICROFILM]

## REINFORCED CONCRETE PRODUCTS—DEFECTS

Failure of reinforced concrete elements caused by inadequate quality control of the concrete. A.E. Desov. Anal. prich. avar. i povr. stroit. kon. no. 2:121-136 '64.

## REINFORCED CONCRETE PRODUCTS—TRANSPORTATION

Zhukov, A.V. [Trolley conveyor for preparing reinforced concrete products; practices of plants manufacturing reinforced concrete products in the Donetsk Economic Region of the Ukraine] Troleizhechnyy konveier dlya izgotovleniya zhelezobetonnykh izdelii, opyt zavodov zhelezobetonnykh izdelii Donetskogo ekonomicheskogo raiona Ukrainskoi SSR, Moskva, Stroitzdat, 1964. 24 p.

[MICROFILM]

## REINFORCEMENT IN CONCRETE see Concrete reinforcement

## REINFORCING BARS

Concrete beams reinforced by thermally treated bars. E.A. Guzev. Bet. i zhele.-bet. 8 no. 9:424-426 S '63.

## REINFORCING BARS—WELDING

Resistance welding of hardened reinforcing rods made of carbon steel. A.I.A. Brodskii, A.M. Fridman. Svar. protzv. no. 3:5-8 Mr '65.

## RELATIVITY (PHYSICS)

Astrophysical proof of the second postulate of the special theory of relativity. E.B. Aleksandrov. Astron. zhur. 42 no. 3:676-678 My-Je '65.  
Interaction of elementary particles with a gravitational field in the general theory of relativity and in the generalized linear theory of gravitation. M.P. Korkina. Ukr. fiz. zhur. 10 no. 5:487-507 My '65.  
The principle of relativity in quantum mechanics. B.I.A. Pakhomov. Vop. filoz. 10 no. 4:110-125 '65.

## RELAXATION METHODS (MATHEMATICS)

Approximate method for investigating relaxation processes. V.M. Muchnikov. Izv. vys. ucheb. zav.; geod. i aerof. no. 6:108-116 '64.

## RELIABILITY (ENGINEERING)

Calculation of the process of restoration of the operation of systems with multiple action in the theory of reliability. Zh.B. Linkovskii. Izv. vys. ucheb. zav.; elektromekh. 8 no. 3:354-355 '65.

Don't rely on me. S. Derezhavskii. Izobr. i rats. no. 3: 6-7 '65.

Inventing quality. A. Ivanov. Izobr. i rats. no. 5:10 '65.

Reliability of systems with given statistical characteristics of their quality and applications. G.P. Doroshuk, A.I. Kravchenko. Izv. vys. ucheb. zav.; elektromekh. 8 no. 4:367-377 '65.

Reliability problem and objectives of higher technical schools. S.I. Zilitinkevich. Izv. vys. ucheb. zav.; prib. 8 no. 2:3-6 '65.

## RELIABILITY (ENGINEERING)—TERMINOLOGY

Terminology of the theory of reliability. I.M. Malikov. Izv. vys. ucheb. zav.; prib. 8 no. 2:142-145 '65.

## RELIGION

Bible. Ukrainian, 1964. [Holy Scriptures of the Old and New Testament. Unabridged translation, made according to the original Hebrew, Aramaic and Greek texts during the Second Ecumenical Council in the Vatican] Sviate pys'mo Staroho ta Novoho Zavitu. Povnyi pereklad, zdilsaniy na oryghinal'nykh ov. elskymy, Aramits'kymy ta greks'kymy tekstamy pid chas druholio Vatykans'koho Vseleis'nokho Soboru. Rome, Vyd-vo osv. Vasylian, 1963. 1070, 352 p. illus., plates, maps. (NN)

[Religion and the church] O religii i tsarkvi; sbornik dokumentov. Moskva, Politizdat, 1965. 127 p.  
Religion as a historical product. I.U. A. Levada. Vop. filoz. 10 no. 4:171-174 '65.

## RELIGION—CONTROVERSIAL LITERATURE

Earthly view of the "divine." Inga Klehanova. Nov. mlr. 41 no. 2:213-229 F '65.

## RELIGION AND ART see Art and religion

## RELIGION AND SCIENCE

New weapon of the atheist. A. Kondratov. Nov. mlr. 41 no. 5:271-273 My '65.

Shalaev, I.U. [Criticism of the attempts of modern Orthodoxy in the U.S.S.R. to reconcile religion with science; author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] Kritika popytok sovremennogo pravoslaviya v SSSR primiriti religii i nauku; avtoreferat dissertatsii na soiskaniye uch. no. stepeni kandidata filosoficheskikh nauk. Moskva, Mysl', 1964. 16 p.

[MICROFILM]

## REMOTE CONTROL

Device for the remote control by a welding ballast rheostat. V.N. Kulikov. Svar. protzv. no. 3:33-34 Mr '65.

## REMOTE CONTROL (Continued)

Distribution of the realization of telemechanic data transmission flows with discrete communications. R. P. Zlabov. Izv. vuz. ucheb. zav., elektromekh. 8 no. 4 421-130 Mr '65.

Experimental study of the reliability of a pulse-type remote control system. I. R. Borganov. Elektrosvyaz' 18 no. 3:72-77 Mr '65.

Kholin, A. T. [Automatic and remote control in radio stations.] Avtomatika i telemekhanika na radiostantsionakh. Moskva, Izd-vo "Svyaz", 1965. 398 p.

Monitoring water injection under remote control of interconnected pumping stations. A. I. Kerbaliev, D. S. Ryss, I. A. Abramovich. Mash. i neft. obr. no. 4:15-17 '65.

Remote control of the welding transformer current. I. I. Fedosov. Svar. proizv. no. 3:31 Mr '65.

Sparkproof electrical system for the remote control of cranes-loaders. K. G. Veisberg, S. V. Karaa, E. Sh. Brutshteyn. Ugoi' Ukr. 9 no. 1:19-21 Ap '65.

## REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology.] Ref. zhur.: Avtom., telemekh. i vych. tekhn. no. 6 Je '65. Predmetnyi ukazatel' za 1964 g.

## RENAL INSUFFICIENCY

Compound treatment of acute and chronic renal insufficiency using hemodialysis. P. P. Alekseev and others. Sov. med. 28 no. 5:98-102 My '65.

## RENDERING WORKS

Intensification of the purification of fats obtained by the hydrolysis method. K. Shevchenko. Mias. ind. SSSR 36 no. 2:33-34 '65.

## RENIN

Effect of renin on the adrenaline content in the adrenal glands and the vascular wall. N. S. Levantsova. Trudy Khar. med. inst. no. 36:163-168 '57.

## REPORTERS AND REPORTING

(see also subdivision under Vietnam, North)

Kisch, Egon Erwin. [Reportings.] Reportazh. Moskva, Izd-vo Mosk. univ. 1964. 228 p. (NNC)

Walking into space. Sov. pech. no. 4:14-15 Ap '65.

## REPRESENTATION OF SURFACES see Surfaces, Representation of

## REPTILES see subdivision under Kurile Islands; Sakhalin

## RESEARCH

(see also subdivision under Siberia; Ukraine)

Research work in the period 1961-1965. V. I. Bolko. Energiya elektrotekh. prom. no. 1:4-5 Ja-Mr '65.

Soviet science in the building of communism. M. Million-shchikov. Kommunist 42 no. 8:13-19 My '65.

## RESEARCH, INDUSTRIAL

(see also subdivision under United States)

The Fourth All-Union Public Inspection of the Fulfillment of Research Plans and of the Introduction of Scientific and Technical achievements in the National Economy. Mashinostroi'tel' no. 4:46-47 Ap '65.

Make every effort to consolidate creative contacts. A. Samarin. NTO 7 no. 4:5-6 Ap '65.

## RESEARCH, INDUSTRIAL—CONGRESSES

In the Presidium of the All-Union Council for Scientific Technological Societies. Gos. zhur. no. 5:75 My '65.

## RESEPIRE

Treatment of diffuse toxic goiter with potassium perchlorate combined with reserpine. V. G. Baranov, N. F. Nikolaenko, G. S. Stepanov. Probl. endok. i gorm. 11 no. 1:3-9 Ja-F '65.

## RESEPIRE—PHYSIOLOGICAL EFFECT

Effectiveness of small doses of reserpine and aminazine in old age. D. K. Migunova. Vop. geron. i geriat. 4: 146-153 '65.

## RESERVOIRS

(see also subdivision under Central Chernozem region)

Developing rapid methods for research in engineering geology in the designing of large reservoirs. I. S. Komarov. Izv. vuz. ucheb. zav., geol. i razv. 7 no. 11: 88-93 N '64.

Results of the control of blood-sucking insects by means of early spring treatment of reservoirs. M. I. A. Kantsur, I. S. Elin, Z. I. Rubanova. Voen.-med. zhur. no. 7:52-54 '64.

## RESIDUAL STRESSES

Effect of the heterogeneity of the strength properties of welded joints on their tendency toward local fracture. K. V. Ljubavskii and others. Svar. proizv. no. 3:8-11 Mr '65.

## RESINS see Gums and resins

## RESINS, SYNTHETIC

Coating internal surfaces of cylinders with epoxy resins. I. I. Vasin. Mashinostroi'tel' no. 4:29-30 Ap '65.

Degradation of melamine-formaldehyde resins. E. G. Ivancheva, N. P. Novakovskii, A. V. Pamfilov. Ukr. khim. zhur. 30 no. 6:571-575 '64.

Inhibiting effect of resin products in the liquid-phase oxidation of n-butane. G. E. Zaikov, E. A. Blumberg, N. M. Emanuel'. Neftekhimiya 5 no. 1:53-57 Ja-F '65.

Shoygina, A. V., and S. A. Irtuganova. [Utilization of the wastes of phenol-acetone production.] Ispol'zovanie otkhodov fenolo-atsetonovogo proizvodstva. Rostov-na-Donu, Rostovskii promstroitel'nyi, 1964. 38 p.

## [MICROFILM]

Simultaneous dyeing with dichlorolirazine dyes and finishing with synthetic resins. R. D. Efros, F. I. Sadov. Tekst. prom. 25 no. 4:45-48 Ap '65.

## RESORCINOL

Complexometric titration of indium in the presence of 4/2-N-methylanthranasino-1-esorcinol as indicator. Sh. T. Talipov, Kh. S. Abdullayeva. Uzb. khim. zhur. 8 no. 5:18-22 '64.

Interaction in the ternary system urea - hydroquinone - resorcinol. I. I. D'lasov, A. G. Falobekov, A. G. Bergman, Zhur. ob. khim. 35 no. 4:602-606 Ap '65.

## RESPIRATION

Change in pulmonary gas exchange and heat production in Kazakhstan fine-wool sheep in ontogenesis. Z. K. Kozhebekov, B. A. Aitkozhanova. Vest. sel'khoz. nauki [Kazakh.] 8 no. 4:58-61 Ap '65.

Changes in human peripheral blood during inhalation of oxygen under high pressure. A. I. Shevchenko. Voen.-med. zhur. no. 11:55-56 '61.

Characteristics of cardiac and respiratory components of conditioned defensive response. M. I. Iakovleva, V. I. Katinas. Zhur. vyz. nerv. delat. 15 no. 1:109-113 Ja-F '65.

Dynamics of oxygen in the blood and brain tissues of animals at high altitude during respiration under excessive pressure. I. N. Chernikov, V. L. Popkov. Pat. fiziol. i eksp. terap. 9 no. 2:18-23 Mr-Ap '65.

Effect of exercise therapy on the function of external respiration following lung surgery. A. A. Khristalev. Trudy TSU 66:168-175 '64.

Electrophysiological study of the effect of unilateral and bilateral vagotomy on the work of the respiratory apparatus in excess intrapulmonary pressure. V. A. Safonov. Nauch. dokl. vyz. shkoly, biol. nauki no. 2: 53-58 '65.

Manometric method for determining the gas exchange intensity in aquatic animals. N. S. Gaevala and others. Zool. zhur. 44 no. 2:169-177 '65.

Physiological characteristics of the stimulation distribution in a muscular system following conditioned reflex changes in respiratory gas exchange. L. A. Isaakian, R. P. O'p'ianskain, G. A. Trubitsyna. Dokl. AN SSSR 182 no. 3:716-718 My '65.

Problem of the dynamics of gas exchange in schizophrenic patients during the process of treatment with prolonged absolute alimentary starvation. V. N. Lapshin. Vop. klin., patol. i lech. shiz. no. 1:85-87 '64.

Respiration and oxidative phosphorylation in homo- and heterofermentative lactic acid bacteria. M. K. Karpenko, D. I. Kvasnikov, A. A. Burukova. Mikrobiol. zhur. 26 no. 3:6-13 '61.

Respiratory processes and phosphorylation in the liver mitochondria of the hibernating gopher. G. M. Daudova, S. A. Neifakh. Fiziol. zhur. 51 no. 3:384-387 Mr '65.

Role of afferent influences in the formation of respiratory rhythm in amphibians. TS. V. Serbeniuk, G. S. Ippolitova. Nauch. dokl. vyz. shkoly; biol. nauki no. 2:48-52 '65.

Selection of the optimal respiration regime in an open thorax. N. V. Khristenko. Trudy TSU 66:273-281 '64.

Some indices of the respiratory function of the blood in animals of various ages. V. A. Losev, I. P. Shinkar'. Vop. geron. i geriat. 4:52-58 '65.

Use of ethylorantiflaine in the treatment of respiratory disorders in early postoperative period. M. M. Byk. Vest. khir. 94 no. 2:86-88 F '65.

Use of the Belau apparatus for the examination of the dynamics of gas metabolism in healthy persons. O. V. Vinogradskii, P. O. Vlazitskii. Voen.-med. zhur. no. 8:80-83 '64.

## RESPIRATORY ORGANS—AMPHIBIA

Role of afferent influences in the formation of respiratory rhythm in amphibians. TS. V. Serbeniuk, G. S. Ippolitova. Nauch. dokl. vyz. shkoly; biol. nauki no. 2:48-52 '65.

## RESPIRATORY ORGANS—DISEASES

Detecting the virus of infectious laryngotracheitis of poultry using tagged fluorescent antibodies. V. N. Sturin, M. A. Shostachenko, Z. I. Chistova. Vop. vet. virus. 1:426-430 '64.

Epidemiological and clinical characteristics of pertussis-like diseases caused by Bordetella parapertussis. O. M. Novikova, I. S. Sattarov, L. A. Beliaev. Zhur. mikrobiol., epid. i immunit. 42 no. 4:120-131 Ap '65.

Evaluation of laboratory and clinical methods in the diagnosis of respiratory viral infections in children. M. E. Sukhareva, R. S. Drelzin, N. L. Trivov. Sov. med. 28 no. 1:75-79 Ja '65.

Military medical expert examination of servicemen with respiratory diseases of nonbacterial etiology. A. S. Fedorenko. Voen.-med. zhur. no. 8:54-56 '64.

Principles of compound treatment in chronic inflammatory diseases of the respiratory organs. V. V. Dubilei. Sov. med. 28 no. 6:56-71 My '65.

Studying the biological characteristics of the virus of infectious laryngotracheitis of fowl. G. A. Lezhova, A. I. Ushadze. Vop. vet. virus. 1:401-412 '64.

Variants of the virus of infectious laryngotracheitis of poultry. Z. I. A. Chistova, V. N. Sturin. Vop. vet. virus 1:413-425 '64.

## RESPIRATORY ORGANS—INNERVATION

Effect of morphine on the electric activity of individual bulbar respiratory neurons. A. A. Grantlyn'. Biul. eksp. biol. i med. 59 no. 4:53-57 Ap '65.

## REST

Muscular activity, active rest and regulation of blood circulation, respiration and energy metabolism in young and elderly persons. L. V. Muravov. Vop. geron. i geriat. 4:40-53 '65.

## RESTAURANTS, LUNCHROOMS, ETC.

The city of Frunze, and the work of the dining room... D. Arkad'ev. Sov. profsoyuzy 21 no. 10:26-27 My '65.

## RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING

Accounting in public dining enterprises. I. Kofman. Bukh. uch. 22 no. 4:26-28 Ap '65.

RESTORATION FROM DROWING see Drowning, Restoration from

## RESUSCITATION

Anesthesia and reanimation in severe shock and terminal states. P. K. D'achenko. Vest. khir. 93 no. 12:65-74 D '64.

Hypoxia and acid-base equilibrium in dying from loss of blood under conditions of deep hypothermia and in the subsequent restoration of vital functions following a two-hour clinical death. O. N. Bulanova. Pat. fiziol. i eksp. terap. 9 no. 2:26-30 Mr-Ap '65.

Organization of a resuscitation station at a military hospital. A. L. Ostapenko, I. I. Usov. Voen.-med. zhur. no. 10:65-66 '64.

Remote results of resuscitation of a patient with a perforating heart injury. E. P. Mukhin. Vest. khir. 94 no. 2:99-100 F '65.

Restoration of blood circulation and respiration in dogs revived following prolonged clinical death due to electrical trauma. M. P. Adamenko. Fiziol. zhur. [Ukr.] 9 no. 1:82-89 Ja-F '63.

## RETAIL STORES see Stores, Retail

## RETAIL TRADE

(see also subdivision under Moldavia)

The brigade system of the organization of work and the joint material responsibility of personnel in retail trade. E. Belinskii. Rad. pravo 28 no. 3:97-101 My-Je '65.

Hidden potentialities of reducing expenses and losses on boxes and containers. R. Kniazova. Sov. potreb. koop. 9 no. 1:39-41 Ap '65.

Lenin's ideas light our way. Sov. potreb. koop. 9 no. 4: 1-3 Ap '65.

Stocks of goods in the trade system are the most important and index of the correlation between the supply and demand. A. Zaitseva. Vest. stat. no. 5:29-36 '65.

[Trade abroad; organization, new methods, and equipment of trade and public food service.] Torg. za rub.; org., nov. metody, tekhn. i mass. pit. nos. 3-5 Mr-My '65.

## RETAIL TRADE—FINANCE

Business accounting and several problems of issuing credit. D. Shvulin. Sov. torg. 38 no. 4:33-35 Ap '65.

Commerce and the State Bank. L. Laptov. Sov. torg. 38 no. 5:18-19 My '65.

RETAIL TRADE—MANAGEMENT see subdivision under Leningrad, Podolsk (Moscow Province)

## RETAIL TRADE—TAXATION

The turnover tax should be levied in the retail trade. Kh. Mardamshin. Sov. torg. 38 no. 4:36 Ap '65.

## RETAINING WALLS

Causes of failure in standard brick buildings with longitudinal bearing walls and measures to eliminate them. A. A. Shishkin. Anal. prich. avar. i povr. stroit. kon. no. 2:23-55 '64.

## RETICULOENDOTHELIAL SYSTEM

Effect of bacterial polysaccharides on the growth of experimental tumors. Z. V. Ermolova and others. Antibiotiki 10 no. 2:134-137 F '65.

Effect of fractional irradiation on the absorptive and antibody-forming function of the reticuloendothelial system. E. D. Stepanian, R. A. Petrosian. Izv. AN Arm. SSR Biol. nauki 18 no. 3:27-34 Mr '65.

Possibility of antibody formation in the transplantation of cells of the reticuloendothelial system into an animal organism. I. K. Lisunkina. Zhur. mikrobiol., epid. i immunit. 41 no. 10:12-16 '64.

## RETICULOENDOTHELIAL SYSTEM—DISEASES

Reticulosis simulating diffuse polyposis of the rectum and large intestine. Z. Z. Ferdman. Khirurgia 41 no. 4: 135-136 Ap '65.



- RETINA**  
Distribution of the activity of acid phosphatase in the inner layers of the retina S. A. Shikova, Arkh. anat. i gist. embr. 46 no. 142-47 Ap '64  
Spectral properties of individual cells of the human retina A. A. Il'ina Usp. fiz. nauk. 86 no. 1179-182 Mj '65
- RETINA—DISEASES**  
Adolescents with a dystrophy of macula lutea, R. S. Zil'berman, Trudy 1-go MMI 32 241-246 '64  
Angioid streaks of the retina A. A. Dmitrieva, E. M. Grinberg, Trudy 1-go MMI 32 201-207 '64  
Clinical and morphological study of the turbidity of the retina N. M. Glotova, Trudy 1-go MMI 32 107-131 '64
- RETINA—INNERVATION**  
Study of the functional properties of the two types of bipolar cells in the frog retina V. V. Maksimov, G. M. Zenkin, A. L. Byzov, Biofizika 10 no. 1141-147 '65
- RETROPERITONEAL SPACE—TUMORS**  
Unusual case of a multiple mesenchymal tumor of diverse structure in the retroperitoneal space N. A. Nemunovskaya, Arkh. pat. 27 no. 474-77 '65
- REVOLUTIONARY POETRY**  
Songs of struggle and wrath, civil poetry in the Bolshevik newspaper "Vozhda" E. F. Andreeva-Bogdanova, Opublits. i publist. no. 182-106 '64
- REVOLUTIONISTS, FRENCH**  
Figures of the great French Revolution, A. Manfred, Nov. mir 41 no. 2 276-281 F '65
- REVOLUTIONISTS, UKRAINIAN**  
Marxist interpretation of the history of revolutionary democratic ideology, V. I. Shinkaruk, A. A. Pashkova, N. T. Assanova, Vop. filos. 19 no. 4126-134 '65
- REVOLUTIONS**  
An anticommunist guide to Russian revolutions, G. Z. Joffe, Ist. SSSR 9 no. 2 201-204 M-Ap '65
- REZH VALLEY—CAVES**  
Caves in the Rezh karst region M. I. Gevirtz, Peshchery 4 no. 33-34 '64
- REZINA DISTRICT—SUGAR BEETS**  
Cavrilitsa, L. [Our practices in growing sugar beets according to the new technology] Nash opyt vovdelevaniia sakharnoi svekli po novoi tekhnologii, Kishinev, Kaita moldovenaske, 1965, 34 p. (DNAL)
- RHENIUM COMPOUNDS**  
Composition of a rheniumthiocyanate complex compound L. G. Mushaghol, V. M. Tarakan, Izv. AN Arm. SSR Khim. nauk. 18 no. 1118-120 '65  
Isotopic exchange of hydrogen atoms in cyclooctadienyl rhenium tricarboxyl, A. N. Nigmatjanov and others, Izv. AN SSSR, Ser. Khim., no. 4762 '65
- RHENIUM ISOTOPES**  
Study of the excited states of  $Rh_{104}^{104}$  based on gamma radiation from the (n,  $\gamma$ )-reaction, O. I. Sumbaev and others, Izv. AN SSSR, Ser. fiz., 29 no. 5739-759 My '65
- RHENIUM ISOTOPES—DECAY**  
New data on  $Rh^{184}$  decay, B. S. Dzhelepov, P. A. Tishkin, I. A. Shishelov, Izv. AN SSSR, Ser. fiz., 29 no. 5714-720 My '65
- RHEOLOGY**  
Effect of vibration on the rheological properties of bitumens, V. D. Portnagin, N. V. Mikhailov, Dokl. AN SSSR 161 no. 4893-895 Ap '65  
Relation between the length of the fatty acid chain and the rheological characteristics of the pseudogels of Ca soaps, V. V. Sinitsyn, I. U. Ishchuk, Dokl. AN SSSR 162 no. 3625-628 My '65  
Rheological relations in the motion of a viscoelastic medium in a field with a constant longitudinal velocity gradient, A. I. Leonov, T. V. Vinogradov, Dokl. AN SSSR 162 no. 4869-872 Je '65  
Thermodynamic fundamentals of rheology, L. F. Khoroshun, Izv. Mekh., 1 no. 192-97 '65
- RHEUMATIC FEVER**  
Appendectomy in children with rheumatic fever, A. L. Cheski, Sov. med. 28 no. 171-74 Ja '65  
Prevention, diagnosis and expert examination of rheumatic fever and heart defects in young servicemen, L. D. Karpilovskii, Voen.-med. zhur., no. 1127-30 '64
- RHEUMATIC HEART DISEASE**  
Contractile capacity of the myocardium in primary and recurrent rheumatic carditis based on polycardiographic and dynamic diaphragmatic data, V. F. Kubyshkin, A. B. Korolenko, Sov. med., 29 no. 136-41 Ja '65  
Dynamics of coagulating and anticoagulating systems of the blood in rheumatic carditis and rheumatic heart defects depending on various methods of the treatment, L. D. Abulaeva, Azerb. med. zhur., 42 no. 148-53 Ja '65
- Vascularization of the valve apparatus of the heart in rheumatic fever, G. A. Chekareva, Arkh. pat. 27 no. 31-36 '65
- RHIZOBIUM**  
Splitting hard soluble calcium phosphates by the nodule bacteria of lupine, V. P. Zarembo, E. G. Tomashevskaya, S. M. Malinovskaya, Agrokhimia no. 153-57 Ja '65
- RHIZOSPHERE MICROBIOLOGY**  
Species of the genus *Funarium* in the rhizosphere of barley and oat of the Polesye districts of the Ukrainian S. R. T. S. Kyrylenko, Mikrobiol. zhur., 27 no. 2-23-28 '65
- RHODAMINE—SPECTRA**  
Concentration quenching of the luminescence of rhodamine 6G solutions, E. G. Baranova, Opt. i spekt. 18 no. 3407-414 Mr '65
- RHODANINE**  
Studying the reaction of rhodanine with cellulose in the presence of cadmium salts, G. K. Stergiu and others, Tekst. prom. 25 no. 452-53 Ap '65  
Synthetic dyes, Part 48: Condensation of N-aryl quinadimium salts with acetanilidomethylene: rhodanine G. T. Piliugin, S. V. Lepikhova, Zhur. ob. khim., 35 no. 4647-649 Ap '65
- RHODESIA, SOUTHERN—INVESTMENTS, FOREIGN**  
Gold, copper and the death camps, Az. i Afr. seg., 9 no. 519 My '65
- RHODESIA, SOUTHERN—POLITICS AND GOVERNMENT**  
Against racialism, F. Nohwari, Voen. prof. dvizh., 3 no. 28-29 My '65
- RHODIUM**  
Effect of rhodium on the rate of titanium dissolution in acids, T. D. Sitopa, E. G. Gritsenko, Ukr. khim. zhur., 30 no. 649-651 '64
- RIBOFLAVIN**  
Alloxazine and isalloxazine series, Part 13: Synthesis of 7-aminoalloxazine, 7-amino (dimethyl) riboflavin and their derivatives, V. M. Beresovskii, L. S. Tul'tchinskaya, N. A. Polinkova, Zhur. ob. khim., 35 no. 4873-877 Ap '65  
Nucleotides, coenzymes, and phosphoric esters, Part 8: Separation and hydrolytic splitting of phosphoric esters of riboflavin, V. M. Beresovskii, R. V. Artemkina, M. A. Chernova, Zhur. ob. khim., 35 no. 4677-681 Ap '65  
Some data on the state of supplying elderly and senile persons with thiamine and riboflavin, V. I. Molotkov, Vop. geront. i geriat., 1:225-230 '65
- RIBONUCLEASE**  
Effect of ribonuclease on nonconditioned and conditioned reflexes in ontogeny of white mice, O. A. Krylov, R. A. Danilova, V. S. Tongui, Zhur. vys. nauch. delat., 15 no. 179-85 Ja-F '65
- RIBOSOMES**  
Effect of antagonists of protein synthesis on the ribosomal apparatus of the yeast cell, L. A. Shevchenko, I. I. Filippovich, Dokl. AN SSSR 161 no. 61461-1464 Ap '65
- RIBS—AGING**  
Dynamics of mucopolysaccharides in human ribs, N. I. Martynuk, Arkh. anat. i gist. embr., 46 no. 4148-51 Ap '64
- RICE** see subdivision under Kara-Kalpak A. S. S. R.; Ukraine, Uzbekistan
- RICE—VARIETIES** see subdivision under Vietnam
- RICE PROCESSING MACHINES**  
Tensilemetric studies of the stresses originated during the scouring of rice using a scourer with rubber rolls, M. Katsnel'son and others, Muk. -elev. prom., 31 no. 429-30 Ap '65
- RICKETTSIA**  
Complement fixation reaction with Rickettsia antigens in various age groups of the population, G. S. Chasovnikova, Zhur. mikrobiol., epid. i immun. 42 no. 447-52 Ap '65  
Immunological properties of a soluble Rickettsia prowazekii antigen, Report No. 1: Antigenic structure of Rickettsia prowazekii based on data of chromatographic analysis on diethylaminoethyl cellulose, E. P. Lukin and others, Zhur. mikrobiol., epid. i immun. 42 no. 441-47 Ap '65  
Indication of Rickettsia burneti by the indirect hemagglutination reaction, Preliminary report, I. I. Kamalov, Vop. virus. 10 no. 1117-118 Ja-F '65  
Study of the phenomenon of phase variability of Rickettsia burneti using the agglutination reaction, R. G. Diul'sheva, N. I. Fedorova, Zhur. mikrobiol., epid. i immun. 41 no. 1124-27 N '64
- RICKETTSIAL DISEASES** see subdivision under Maritime Territory
- RIFLES**  
The "Anschütz-54" rifle, P. Bondarev, V. Shiptlov, Voen. znani 41 no. 541 My '65
- RIGA—AQUATIC SPORTS**  
Invitation to initiative, V. Makshenko, Voen. znani, 41 no. 614 Je '65
- RIGA—CIVIL DEFENSE—STUDY AND TEACHING**  
Not even three days passed, K. H. Alvo, Voen. znani, 41 no. 624 Je '65
- RIGA—LIGHTWEIGHT CONCRETE**  
Practices in maintenance of gas concrete elements, I. S. Silaenkov, R. A. Zarin, P. V. Rudin, Anal. piteh. avai. i povt. st. oi. kon. no. 2-137-152 '64
- RIGA—MILK SUBSTITUTES AS FEED**  
Made in Riga, E. Jaunslelnis, A. Razumilina, Zakup. sel'khoz. prod., no. 520-29 My '64
- RIGOR MORTIS**  
Participation of the hexokinase reaction in the effect of glucocorticoid hormones on the rate of rigor mortis in the skeletal muscles, E. V. Morava, Biol. eksp. Biol. i med. 59 no. 116-18 Ap '65
- RIMSKII-KORSAKOV, NIKOLAI ANDREEVICH, 1844-1906**  
Rimskii-Korsakov, N. A. [Complete collected works] Polnoe sobranie sochinenii, Moskva, Muzyka, Vol. 6, [Literary works and correspondence] Literaturnye proizvedeniia i perepiska, Tom podgotovlen E. E. Lazovitskoi, 1965, 233 p.
- RINDERPEST—MICROBIOLOGY**  
Effect of ultrasonic waves on the lapsed virus of cattle plague, A. S. Okovytyi, Vop. vet. virus., 1:75-79 '61
- RINDERPEST—PREVENTIVE INOCULATION**  
Testing dry lapsed virus vaccine against cattle plague, V. N. Simin and others, Vop. vet. virus., 1:299-326 '64
- RINGS (ALGEBRA)**  
E-systems of representations, A. V. Rukh, Ukr. mat. zhur., 17 no. 2 88-96 '65  
Plane module, V. E. Govoiov, Sib. mat. zhur., 6 no. 2: 300-304 M-Ap '65  
Soluble groups and cross products, A. I. Zaleskii, Mat. sbor. 87 no. 1154-160 My '65  
Weak dimensionality of modules, rings, and algebras, Projectivity of planar module, I. I. Sukharov, Izv. vuz. ucheb. zav., mat. no. 2:152-157 '63
- RIONI VALLEY—TERRACES (GEOLOGY)**  
Terraces of the Rioni Valley above the city of Kutaisi, S. N. Nemanishvili, Trudy Inst. geog. AN Gruz. SSR 20, 26-28 '64
- RISTINIYEMI, CAPE (MURMANSK PROVINCE)—WORLD WAR, 1939-1945—AMPHIBIOUS OPERATIONS**  
Key to Petsamo, Voen. znani 41 no. 515 My '65
- RITES AND CEREMONIES** see subdivision under Estonia
- RIVERS**  
(see also subdivision under Abkhazia; Asia, Central; Caucasus; Kirghizistan; Lenkoran' Lowland; Russia, Northern)  
Kinematic and morphological characteristics of a stream flow, V. S. Altunin, Dokl. Akad. sel'khoz. nauk. no. 3:36-41 Mr '65
- RIVERS—REGULATION**  
Considering hydrological factors in the technical and economic substantiation of channel depth, N. Domanevskii, Rech. tranap. 24 no. 340-43 '65  
In the Board of the Ministry of the River Fleet, Rech. tranap. 24 no. 436 '65  
Increasing the effectiveness of the deepening of a rocky river bed, L. Zagorodskii, Rech. tranap. 24 no. 455 '65  
Methods for determining the coefficient of the roughness of rapid sections of floating rivers, A. I. Radiuk, Trudy STI 37 111-120 '64
- RIVERS—TEMPERATURE** see subdivision under Georgia; Pamirs
- RIVETS AND RIVETING—EQUIPMENT AND SUPPLIES**  
Introducing pneumatic press for riveting cones, A. S. Nabokov, Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform., 10 no. 3148 Mr '65
- ROACH (FISH)**  
(see also subdivision under Volga River; Zaslav' Reservoir)  
Materials on the biology of the roach *Rutilus rutilus* (L.) in the southern and northern bodies of water of the U. S. S. R., K. N. Titova, Nauch. dokl. vys. shkoly: biol. nauki no. 2:27-31 '65
- ROAD CONSTRUCTION**  
(see also subdivision under Kazakhstan; Krasnoyarsk Territory)  
Consolidating road soils by silicate slag and silicate sludge binders, A. V. Boliaush, Trudy STI 37:41-50 '64  
Consolidation of road soils by the addition of slurry and water glass, A. I. Schneider, A. P. Mikhailov, Trudy STI 37 169-172 '64

**ROAD CONSTRUCTION (Continued)**  
Construction of local roads according to simplified specifications. L. Frenk. Avt. dor. 28 no. 1:15 Ap '65.

Extending the rights of the State Committees on Construction of the Republics. Avt. dor. 28 no. 3:9 Mr '65.

In the State Committee on Construction of the U.S.S.R. B. Korlovskii. Avt. dor. 28 no. 3:26 Mi '65.

Introducing advanced and economically efficient developments in production. Avt. dor. 28 no. 1:2 Mr '65.

Road construction is a national business. I. I. Birlukov, N. S. Prizhev. Avt. dor. 28 no. 4:15 Ap '65.

There will be more good and various roads. Avt. transp. 11 no. 1:4-6 Ap '65.

The use of bitumen emulsions may extend the construction season (for matting of pavements). S. I. Lukoshunas, G. V. Saushenavichus. Avt. dor. 28 no. 3:23-25 Mr '65.

#### ROAD CONSTRUCTION—ACCOUNTING

Rated method of accounting and planning. E. Varlamov, M. Kuzhinskiy. Avt. dor. 28 no. 3:20-22 Mi '65.

#### ROAD CONSTRUCTION—MANAGEMENT

Economic potentialities of construction and erection work. M. N. Ritov. Avt. dor. 28 no. 4:16-17 Ap '65.

#### ROAD CONSTRUCTION—SAFETY MEASURES

For healthy working conditions. Avt. dor. 28 no. 4:19 Mr '65.

#### ROAD CONSTRUCTION—TECHNOLOGICAL INNOVATIONS

see subdivision under White Russia

#### ROAD MACHINERY

Basic problems of the reliability and longevity of construction and road machinery. Stroil. i dor. mash. 10 no. 3:1-4 Mr '63.

Centralize the technical administration of construction and road machinery manufacturing. Stroil. i dor. mash. 8 no. 1:1-2 Ja '63.

Conference on the mechanization of maintenance and road-maintenance work. M. D. Bernshtein. Stroil. i dor. mash. 10 no. 3:31-32 Mr '65.

Heating the bitumen pump of a motor road roller. IU Kovalev. Avt. dor. 28 no. 3:19 Mr '65.

Machine for laying concrete beds. M. D. Morzon. Avt. dor. 28 no. 3:17-18 Mr '65.

Mounted rippers for soil ripping. A. N. Zeldin, G. A. Shoklo. Stroil. i dor. mash. 10 no. 4:17-20 Ap '65.

#### ROAD MACHINERY—COLD WEATHER OPERATION

Speed of cutting and the wear of the elements of cutting parts in frozen ground. N. N. Gorlushkin. Trudy STI 37:15-21 '64.

Wear of steel as a function of the adherence of abrasive mineral particles to frozen ground. N. N. Gorlushkin. Trudy STI 37:3-14 '64.

**ROAD MACHINERY—HYDRAULIC DRIVE**  
Hydraulic drive for trenching and road machinery. E. I. A. Robinovitch. Stroil. i dor. mash. 10 no. 3:16-18 Mr '65.

**ROAD MACHINERY INDUSTRY** see subdivision under Bryansk

#### ROAD MATERIALS

Why are efficient road materials not used? V. Belchuk. Avt. dor. 28 no. 4:17 Ap '65.

#### ROADS

(see also subdivision under Armonia; Krasnoyarsk Territory)

Appeal from the members of the All-Russian Conference on Road Construction to the workers of road organizations in the Russian Federation. Avt. dor. 28 no. 4:9-10 Ap '65.

Business like and with emotion. Avt. dor. 28 no. 4:5-9 Ap '65.

Information. Avt. dor. 28 no. 4:29-30 Ap '65.

Readers' letters. Avt. dor. 28 no. 4:28-29 Ap '65.

Road news. Avt. dor. 28 no. 4:13 of cover Ap '65.

#### ROADS—ABSTRACTS

[Highways] Ref. zhur.: Avt. dor. no. 6 Je '65.

#### ROADS—DESIGN

Babkov, V. F. [Blending highways with the landscape] Sochetanie avtomobil'nykh dorog s landschaftom. [Moskva] Vysshaya shkola, 1964. 65 p. [MICROFILM]

Using a model for evaluating the smoothness of a road. V. B. Ivashik. Avt. dor. 28 no. 1:22-23 Ap '65.

#### ROADS—MAINTENANCE AND REPAIR

(see also subdivision under Krasnoyarsk Territory; Moscow Province)

Give more attention to the machinery for the maintenance and repair of roads and airports. A. A. Vasil'ev, V. V. Iakumina. Stroil. i dor. mash. 10 no. 3:25-28 Mr '65.

New machines for the maintenance and repair of roads. K. V. Kontush, V. V. Shcherbak. Stroil. i dor. mash. 10 no. 3:29-31 Mr '65.

Present state and basic trends of the development of trenching and road-maintenance equipment. G. M. Kovalenko, V. G. Peskov, V. A. Skotnikov. Stroil. i dor. mash. 10 no. 3:1-4 Mr '65.

#### ROADS—MANAGEMENT

State of the road system of the Russian Federation and means for its improvement. A. A. Nikolaev. Avt. dor. 28 no. 4:1-4 Ap '65.

#### ROADS—SAFETY MEASURES

Babkov, V. F. [Securing traffic safety in designing, constructing and reconstructing highways] Obespechenie bezopasnosti dvizheniya pri proektirovani, stroitel'stve i rekonstruktsii avtomobil'nykh dorog. Moskva, Vysshaya shkola, 1964. 28 p. [MICROFILM]

#### ROADS, CONCRETE

(see also subdivision under Belozersk, Vologda Province)

Borisov, L. V., and others. [Use of precast reinforced concrete in the construction of automobile roads for hauling lumber, materials for a conference] Pimenenie sbornogo zhelezobetona na stroitel'stvo avtomobil'nykh dorog dlia vyvozki lesa; materialy k soveshchaniu. Moskva, TSentr. nauchno-issl. i in-t mekhanizatsii i energitiki lesnoi promyshl., 1964. 71 p. [MICROFILM]

#### ROADS, ICE

Paifonov, G. M. [Possibilities of winter transportation of lumber by motor vehicles] Rezevy zimnel vyvozki lesa avtomobil'nymi. Moskva, TSentr. nauchno-issl. i in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-bumazhnoi, drevosobratyvatelskoi promyshl. i lesnomu khoz., 1964. 27 p. (Lesoskhuatatsiya) [MICROFILM]

#### ROADS, SOIL-CEMENT

Soils should be used for pavements. V. M. Bezruk. Avt. dor. 28 no. 3:3-5 Mi '65.

#### ROADS, SOIL-CEMENT—EQUIPMENT AND SUPPLIES

Organizing the operation of the D-381 soil-mixing machine. N. G. Oleinik. Avt. dor. 28 no. 4:13-14 Ap '65.

#### ROADSIDE IMPROVEMENT—EQUIPMENT AND SUPPLIES

The DZU-15 turf cutter and layer. I. A. Plotnikov, B. D. Khinevich. Stroil. i dor. mash. 10 no. 3:15 Mr '65.

#### ROBOTS

see Automata

#### ROCK BOLTS

see Mine roof bolting

#### ROCK DRILLS

Review of the book by K. I. Ivanov, V. N. Glazunov and M. F. Nadion "Modern methods of boring hard rock" IU, G. Abdeev. Gor. zhur. no. 3:80 Mr '65.

Testing systems of dry centralized dust collecting during boring with a column hammer drill. V. G. Andreev, L. D. D'Ankonov. Gor. zhur. no. 4:54-67 Ap '65.

#### ROCK PRESSURE

Effect of the rate of face advancement on the stability of the outcropping of wall rock. B. Sh. Vinokur. Ugol' 40 no. 4:41-42 Ap '65.

Influence of overlying seam pressure on the timbering in major workings of deep mines. IU M. Basniskii. Ugol' Ukr. 9 no. 4:7-10 Ap '65.

Method of determining the pressure of rock on supports. I. A. A. temenko, K. D. Belichenko. Gor. zhur. no. 5:75 My '65.

Rock cleavage and manifestation of rock pressure. I. V. Galich. Ugol' 40 no. 4:37-38 Ap '65.

#### ROCK PRESSURE—CONGRESSES

Discussing problems of rock pressure. A. A. Orlov, T. I. Shaflov. Ugol' 40 no. 4:74-75 Ap '65.

#### ROCK SALTS

Dust removal from ground rock salt in a fluidized bed. A. M. Stepanenko. Izv. vyz. ucheb. zav. i plishch. tekhn. no. 1:166-169 '65.

#### ROCK WOOL

see Mineral wool

#### ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dyg. no. 5 My '65.

#### ROCKETRY—ABSTRACTS

[Rocket building] Ref. zhur.: Raketostr. nos. 5-6 My-Je '65.

#### ROCKETS (AERONAUTICS)

Optimization of a trajectory with allowance for motion around the mass center. M. K. Tekabaev. Vest. LGU 20 no. 7:127-134 '65.

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop. raket. tekhn., sbor. perev. i obz. inostr. period. lit. 15 nos. 1-3 '65.

A rocket flies. D. Kulnisch. Voen. znani. 41 no. 5:38-39 My '65.

Selection of the setting angle and programming the thrust of the auxiliary rockets on an airplane. V. I. Polkovnikov. Trudy KAI no. 7:78-96 '62.

#### ROCKETS (AERONAUTICS)—PROPULSION SYSTEMS

Shevlyakov, A. A. [Automatic control of aircraft and rocket power plants] Avtomatizatsiya aviatsionnykh i raketnykh silovykh ustanovok. Izd. 2, pechai dop. Moskva, Mashinostroenie, 1965. 546 p.

#### ROCKETS (ORDNANCE)

Accuracy. N. Krupskii. Voen. znani. 41 no. 5:17 My '65.

Brochure on rocket technology. E. Smotritskii. Komm. Voenizh. St. 46 no. 4:88-92 F '65.

Surikov, B. T. [Combat use of rockets] Boevoe primeneniye raket. Moskva, Voenizdat, 1965. 182 p.

Troops of constant combat readiness. N. I. Kizlov. Voen. znani. 41 no. 3:6-7 Mr '65.

#### ROCKS

(see also subdivision under Tien Shan)

Method for determining the strength and character of the adhesion of polymers to rocks. N. I. Titkov and others. Bur. no. 5:16-17 '64.

Symposium on the physicochemical properties of rocks in the upper part of the earth's crust. L. I. Zviagintsev. Sov. geol. 8 no. 3:151-156 '65.

#### ROCKS—ANALYSIS

(see also subdivision under Alma-Ata, Mount)

Methods for obtaining pressed solutions from rocks. I. G. Iarkin. Pechvovedenie no. 5:68-71 My '65.

#### ROCKS—CLEAVAGE

Rock cleavage and manifestation of rock pressure. I. V. Galich. Ugol' 40 no. 4:37-38 Ap '65.

#### ROCKS—DENSITY

(see also subdivision under Kazakhstan)

Investigating certain factors affecting density measurement by the scattered gamma-radiation method. V. A. A. 'ayashov. Izv. vyz. ucheb. zav. i geol. i razv. no. 3:198-197 N '65.

ROCKS—ELECTRIC PROPERTIES see subdivision under Karelia

#### ROCKS—MAGNETIC PROPERTIES

Magnetic properties of ultrabasic rocks. S. V. Moskaleva, I. F. Zetova. Dokl. AN SSSR 162 no. 1:70-73 My '65.

#### ROCKS—PERMEABILITY

Effect of gas pressure on the permeability of rocks. N. I. Beizhnol. Izv. vyz. ucheb. zav. i nefi i gaz. 8 no. 3:37-38 '65.

#### ROCKS—RADIOACTIVE PROPERTIES

Use of the microradiographic method in the radiological study of rocks. A. M. Ushakova. Min. sbor. 18 no. 2:214-218 '64.

#### ROCKS—TESTING

Determining the hardness of rocks in the field. V. K. Rubtsov. Ugol' 40 no. 4:40-41 Ap '65.

Determining the physicochemical properties of rocks in dump piles in Kuznetsk Basin mines. P. I. Tomakov, N. S. Popov. Ugol' 40 no. 4:44-46 Ap '65.

Effect of the size of the bit breaking rock on the magnitude of the destructive pressure. N. M. Glotov. Trudy TSNTS no. 56:171-175 '65.

Iamshchikov, V. S. [Ultrasonic and sonic methods of investigating rocks] Ul'trazvukovye i zvukovye metody issledovaniya gornykh porod. Pod nauchn. red. V. V. Rzhavskogo. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1964. 70 p. [MICROFILM]

ROCKS—THERMAL PROPERTIES see subdivision under Skhatin

ROCKS, CARBONATE see subdivision under Carpathian Mountains; Crimea; Ishimbay Oil Field; Karadag District; Moscow Province

ROCKS, CARBONATE—ANALYSES see subdivision under Crimea

#### ROCKS, EFFECT OF TEMPERATURE ON

Low frequency breaking of rock. V. V. Rzhavskii, IU. I. Protasov, V. B. Dobrotsov. Gor. zhur. no. 4:37-38 Ap '65.

#### ROCKS, IGNEOUS

(see also subdivision under Altai Mountains; Altai Plateau; Badkhyz region, Turkmenistan; Kamchatka; Kazakhstan; Sayan Mountains; Sevan Lake region; Siberian Platform; Stanovoy Range)

Content and characteristics of the distribution of platinum group metals in ultrabasic and alkali rocks. L. V. Razin, V. P. Khvostova. Dokl. AN SSSR 162 no. 4:818-821 Je '65.

Gorzhenskii, D. I., and V. N. Kozerenko. [Relation of endogenic ore formation to igneous activity and metamorphism; introduction to the metallogeny of the endogenetic processes of ore formation] Sviaz' endogennoy rudoobrazovaniya s magmatizmom i metamorfizmom; vvedenie v metallogeniю endogennykh protsessov rudoobrazovaniya. Pod red. V. I. Smirnova. Moskva, Nedra, 1965. 299 p.

Scattering indicators for some magmatic rocks. N. S. Orlova. Izv. zap. LGU no. 32:74-95 '64.

## ROCKS, IGNEOUS—ANALYSIS

(see also subdivision under Glassar Range)  
Some geochemical characteristics of Middle Devonian acid effusives in the Gornyy Altai A. O. Smilgitsyn  
Trud, SNIIGGIMS no 35 42-47 '64

## ROCKS, SEDIMENTARY

(see also subdivision under Altai Mountains; Caucasus; Kalba Range; Kazakhstan; Kuzhinta; Kuznetsk Alatau, Leningrad region; Sayan Mountains; Tuva A. S. S. R., West Siberian Plain)

Catalytic activity of some sedimentary rocks in the synthesis of hydrocarbons from carbon monoxide and hydrogen. I. I. Piskovskii, A. N. Bashkurov, F. I. Novak. Dokl. AN SSSR 161 no. 4:947-948 Ap '65.

Concerning the place of actualism in the science of sedimentary rocks V. F. Zauzolkov Izv. vys. ucheb. zav. ; geol. razv. 7 no 11 8-17 N '64

Dobrynin, V. M. [Physical properties of oil and gas reservoir rocks in deep wells] Fizicheskie svoystva nefte-gazovykh kolektorov v glubokikh skvazhinakh. Moskva, Nedra, 1965. 161 p.

## ROCKS, SEDIMENTARY—ANALYSIS see subdivision under Perm Province; Polesye

## ROCKS, SEDIMENTARY—CLASSIFICATION

Raukas, A. [Granulometric classification of detrital rocks]. Pordkivimite terasuurse klassifikatsioon. Klassifikatsia oblomochnykh porod po granulometricheskomu sostavu. Tallinn, Eesti NSV Teaduste Akadeemia, 1964. [4] p 9 tables. [Parallel texts in Estonian and Russian]

## ROCKS, SEDIMENTARY—DENSITY

(see also subdivision under Kazakhstan)

Effect of structural factors on the density and elastic properties of sedimentary rocks. M. L. Ozerskaya Izv. AN SSSR Fiz. zem. no 1 103-108 '65

## ROCKS, SEDIMENTARY—ELASTIC PROPERTIES

Effect of structural factors on the density and elastic properties of sedimentary rocks M. L. Ozerskaya Izv. AN SSSR Fiz. zem. no 1 103-108 '65

## RODENTS

Use of various methods of rodent marking in ecological studies. A. N. Soldatova Zool. zhur. 44 no 2 266-275 '65

## RODENTS, FOSSIL see subdivision under Nogaysk region (Ukraine)

## RODENTS AS CARRIERS OF DISEASE

Cultures similar to Brucella, isolated from micelike steppe rodents. A. G. Korol'. Zhur. mikrobiol., epid. i immun. 41 no. 11:27-31 N '64.

Study of the role of murine rodents as infection source in tick-borne ricettsiosis of the northern part of Asia G. P. Somov. Zhur. mikrobiol., epid. i immun. 42 no. 4: 8-12 Ap '65

## ROGOVICH, AFANASII SEMENOVICH, 1812-1878

Afanasiy Semenovich Rogovich (Jan. 18, 1812-Apr. 28, 1878). O. V. Zatchenko Bot. zhur. 50 no. 4:585-587 Ap '65

## ROLLERS (BIRDS) see subdivision under Amu Darya Valley

## ROLLING (METALWORK)

Certain characteristics of fractional rolling. V. P. Saverdenko, L. I. Gurskii Izv. vys. ucheb. zav. ; Chern. met. 8 no 5:119-123 '65.

Deformation of titanium alloys during rolling. N. E. Kramnikov, N. P. Skriabin. TSvet. met. 38 no. 4:64-65 Ap '65.

Effect of an alternating stressed state diagram on the mechanical properties of metal I. U. F. Shevakin, M. V. Popov, P. S. Seldaliev. Izv. vys. ucheb. zav. ; Chern. met. 8 no 5:82-84 '65.

Investigating asymmetrical deformation by means of the variation principle of mechanics. I. I. A. Tarnovskii, V. P. Korzh. Izv. vys. ucheb. zav. ; Chern. met. 8 no 5:65-69 '65.

Investigating strength conditions during roll forging in circular grooves K. M. Kaufman. Kuz. -shitam. proizv. 7 no. 3:3-6 Mr '65

Investigating the power conditions for rolling automobile sections. A. P. Chekmarev, S. N. Rabinovich. Met. i gornorud. prom. no. 2:37-40 Mr-Apr '65.

Investigating the process of continuous rolling of large sections. V. N. Vydrina, V. I. Kralnov Izv. vys. ucheb. zav. ; Chern. met. 8 no 5:90-97 '65

Manufacture of grate bars by the method of longitudinal die rolling. I. A. Tarnovskii and others. Kuz. -shitam. proizv. 7 no. 3:9-10 Mr '65

Mastering the production of formed sections in closed passes. V. B. Kaluzhskii, A. Z. Romanovskii. Metallurg 10 no. 3 26-27 Mr '65.

[Production of lightweight rolled sections] Proizvodstvo oblegchennykh profil'nykh produktov. [By] A. P. Chekmarev i dr. [Moskva] Metallurgiya, 1965. 423 p.

Rolling bimetallic titanium-nickel and aluminum alloy-titanium sheets. N. I. Korneev and others. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 2:18-17 F '65.

Speed conditions in the process of roller expansion of tubes I. U. F. Shevakin, V. S. Shalkevich, F. S. Seldaliev. Izv. vys. ucheb. zav. ; Chern. met. 8 no 5:98-104 '65

Study of metal grinding in combination cold rolling. E. S. Shpichinskii, S. G. Khatutin. TSvet. met. 38 no. 4:70-72 Ap '65.

Using heat for straightening hot-rolled low-alloy steel. V. Vorob'ev and others. Prom. stroit. i inzh. soor. 6 no 2 13-16 Mr-Apr '64

## ROLLING (METALWORK)—QUALITY CONTROL

Economic aspects of the manufacture and use of high quality rolled products. A. V. Imel'yanov, M. N. Seredenko, M. P. Kugushev. Met. i gornorud. prom. no. 2:32-33 Mr-Apr '65.

## ROLLING MILLS

Investigating the dynamics of the control system of a continuous cold rolling mill E. F. Silaev Izv. vys. ucheb. zav. ; mashinost. no 1 186-201 '65.

Mechanizing the feed of bars into a roller leveler. G. G. Alekseev. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 3:14-15 Mr '65.

## ROLLING MILLS—DESIGN AND CONSTRUCTION

Brinza, V. N., and A. P. Koshka. [Improving the performance of rolling mills for the cold rolling of sheet steel] Povyshenie proizvoditel'nosti stanov kholodnoi prokatki tonkolistovoi stali. Moskva, Metallurgiya, 1965. 138 p.

Decreasing expenses and increasing the time between roll changing on continuous sheet mills. K. N. Tkachik. Met. i gornorud. prom. no. 2:34-37 Mr-Apr '65.

## ROLLS (ROLLING MILLS)

Decreasing expenses and increasing the time between roll changing on continuous sheet mills. K. N. Tkachik. Met. i gornorud. prom. no. 2:34-37 Mr-Apr '65.

Increasing the durability of three-high rolling mill rolls E. A. Demidovich, V. D. Tsyplovskiy, A. L. Cherednichenko Metallurg 10 no. 3 27-28 Mr '65

Inoculating rolling mill rolls with addition alloys by electric sparks N. A. Grechkin and others. Met. i gornorud. prom. no. 2:77-78 Mr-Apr '65.

Investigating the effect of the parameters of rolls and strip width on the rigidity of the roll system on sheet mills. Report no 2 P. I. Polukhin, A. S. Kudriavtsev, N. G. Beta. Izv. vys. ucheb. zav. ; Chern. met. 8 no. 5: 85-89 '65

## ROLLS (ROLLING MILLS)—DESIGN AND CONSTRUCTION

Improving the roll pass design of jobbing mills for the rolling of high alloy steel V. S. Berkovskii, A. N. Osadchii, P. M. Avrunin. Metallurg 10 no. 3 24-25 Mr '65

## ROMASHKIN, TIMOFEEI TEREENT'EVICH

The motherland remembers, the motherland honors. G. Grigor'ev Grazhd. av. 22 no. 2:16-17 F '65

## ROMASHKINO OIL FIELD—OIL WELL CEMENTING

Investigating and cementing circulation-loss and water-bearing horizons using a hydromechanical packer designed by the Tatar Oil Well Drilling Trust. E. P. D'iasov, M. V. Alekseev, V. V. Lagodenko. Burenie no 4:20-24 '65.

## ROMASHKINO OIL FIELD—OIL WELL DRILLING

Well drilling with water flushing to a predetermined depth in Romashkino oil field. A. G. Saifonov, B. M. Kurochkin, R. A. Khabbulin. Burenie no. 11:3-6 '64.

## ROME—HISTORY

Uchenko, S. L. [Crisis and fall of the Roman Republic] Krixis i padenie Rimskoi Respubliki. Moskva, Nauka, 1965. 286 p.

## ROMENSKI, NIKOLAI VASIL'EVICH, 1894-

Professor Nikolai Vasil'evich Romanovskii. Izv. vys. ucheb. zav. ; pisheh. tekhn. no. 1:17 '65.

## ROMER, EUGENIUSZ, 1871-1954

Eugeniusz Romer, founder of school cartography in Poland; on the 100th anniversary of his death N. N. Mel'nikova. Izv. Vses. geog. ob-va 97 no 2:184-197 Mr-Apr '65.

## ROMODANOV DISTRICT—CATTLE—FEEDING AND FEEDS

Romodanovo Stock Fattening Yard. E. Solonko, Tekhn. v sel'khoz. 25 no 4:24-27 Ap '65.

## ROOFING

(see also subdivision under Armenia)

Nonrolled liquid roofing. A. Ljubimov. Stroit. i arkhitekt. Sred. Az. 1 no. 8:28-29 S '64.

## ROOFING, CONCRETE

(see also subdivision under Moscow)

Improved features of elements of precast concrete roofs. E. Krichevskaya. Stroit. i arkhitekt. Mosk. 14 no 4:24-25 Ap '65.

Roofing of industrial plants made of prestressed panels. I. U. Beletskii. Prom. stroit. i inzh. soor. 6 no. 2:21-24 Mr-Apr '64.

Roofing of manufacturing plants made of large machine-molded elements A. Tseitlin. Prom. stroit. i inzh. soor. 6 no. 2 17-20 Mr-Apr '64

Testing the prestressed saddle beams of a precast-monolithic roof O. Rubach, I. Stankovichenko, G. Tsel'ykovskii. Prom. stroit. i inzh. soor. 6 no. 2:28-31 Mr-Apr '61.

## ROOFS—THERMAL PROPERTIES

Unsteady thermal conditions in water-covered roofs. P. M. Baidik, B. S. Mezhevnikov. Inzh. -fiz. zhur. 8 no 2: 263-267 F '65

## ROOFS, SHELL

Roofing of industrial plants made of prestressed panels. I. U. Beletskii. Prom. stroit. i inzh. soor. 6 no. 2:21-24 Mr-Apr '64

Roofing of manufacturing plants made of large machine-molded elements A. Tseitlin. Prom. stroit. i inzh. soor. 6 no. 2:17-20 Mr-Apr '64

## ROOTS (BOTANY)

Availability of nitrogen to the root systems of leguminous and graminaceous species, based on data of a study using the isotope N<sup>15</sup>. N. I. Chisopkov. Agrokhimia no. 1:23-27 Ja '65.

Development dynamics of the root systems of licorice in vitro during their first year of life. A. B. Khudalberginov. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 2:30-43 Mr-Apr '65.

Effect of the irrigation method on the development of the root system in cotton. E. E. Uzenbaev. Vest. sel'khoz. nauki [Kazakh.] 8 no. 4:113-115 Ap '65.

Growth and development of physiological active roots in woody plant seedlings during vegetation period. U. E. Vauchkov. Vest. AN BSSR. Ser. biol. nav. no. 1:38-44 '65.

Growth of the root of oak in pure and mixed plantations on hard-to-manage soils in the southwestern part of Moldavia I. U. P. Kravchuk. Sbor. nauch. -issl. rab. VNIILMI no. 28:34-42 '60.

Materials on studying underground parts of some flatland phytocenoses in northwestern Turkmenia I. G. Rustamov. Izv. AN Turk. SSR. Ser. biol. nauk no 2:13-23 '65.

Offspring forming in the awnless bromegrass after mowing N. A. Solov'eva. Biul. MOIP. Otd. biol. 70 no. 2:82-89 Mr-Apr '65.

Periodicity of growth of the roots of the Siberian larch and the birch Betula verrucosa. Z. P. Zholobova. Sbor. nauch. -issl. ob. VNIILMI no. 28:12-16 '60.

Role of urea in plants and its assimilation by the root system. P. N. Iy'lova. Agrokhimia no. 1:28-33 Ja '65.

Two types of rhizome forming in herbaceous perennials. I. G. Serebriakov, T. I. Serebriakova. Biul. MOIP. Otd. biol. 70 no. 2:87-91 Mr-Apr '65.

## ROOTS (BOTANY)—MORPHOLOGY

Root system of the Scotch pine (Pinus silvestris L.) in the sandy soils of Kazakhstan and the Don Valley. A. G. Gelf, N. A. Voronkov. Bot. zhur. 50 no. 4:503-510 Ap '65.

## ROSES—STORAGE

Storage of roses and their preparation for essential oil extraction. N. A. Tulycheva, A. F. Poliakova. Izv. vys. ucheb. zav. ; pisheh. tekhn. no. 2:20-33 '65.

## ROSTOV-ON-DON—AGRICULTURAL MACHINERY INDUSTRY

Created by the innovators of the Rostov Agricultural Machinery Plant. N. K. Andronnikov, M. F. Tsopin. Mashinostroitel' no. 4:14-15 Ap '65.

Rostov-on-Don. Institut soiskokhhoziaistvennogo mashinostroeniia. [Problems of the history of the CPSU and philosophy] Voprosy istorii KPSS i filosofii. Rostov-na-Donu, 1961. 296 p.

[MICROFILM]

## ROSTOV-ON-DON—APARTMENT HOUSES

Concentration housing construction and labor productivity B. Pisarev. Ekon. stroit. no. 12:27-28 D '64.

## ROSTOV-ON-DON—COMMUNIST PARTY OF THE SOVIET UNION

Rostov-on-Don. Institut soiskokhhoziaistvennogo mashinostroeniia. [Problems of the history of the CPSU and philosophy] Voprosy istorii KPSS i filosofii. Rostov-na-Donu, 1961. 296 p.

[MICROFILM]

## ROSTOV-ON-DON—TECHNICAL SOCIETIES

Efficient kind of communications. A. Zhuraviev. NTO 7 no. 3:46-49 Mr '65.

## ROSTOV PROVINCE—BARK BEETLES

Ecology of bark beetles in the deciduous centers of elm species of the Rostov Province forests. A. D. Maslov. Sbor. rab. po les. khoz. no. 46:80-100 '63.

## ROSTOV PROVINCE—COURTS—OFFICIALS AND EMPLOYEES

What do we do to raise the qualifications of court personnel. G. Baturov. Sov. iust. 20 no. 7:22-24 Ap '65.

**ROSTOV PROVINCE—ELM—DISEASES AND PESTS**

Ecology of bark beetles in the desiccation centers of elm species of the Rostov Province forests. A. D. Maslov. *Sbor. rab. po les khoz.* no. 46:60-100 '83

**ROSTOV PROVINCE—JOURNALISM, AGRICULTURAL**

Persistent incultation of advanced practices. I. U. Maksimenko. *Part. zhizni* no. 11:74-76 Ja '65

**ROSTOV PROVINCE—LAW—STUDY AND TEACHING**

What do we do to raise the qualifications of court personnel. G. Daturov. *Sov. iust.* 28 no. 7:22-24 Ap '65.

**ROSTOV PROVINCE—MILK TRADE**

Obstacles on the path of the flow of milk. S. Grin'ko. *Zakup. sel'khoz. prod.* no. 5:41-42 My '64.

**ROSTOV PROVINCE—OLD AGE HOMES**

Main thing is the concern for the people. A. Besedn. *Soba obsp.* 28 no. 4:37-38 Ap '65.

**ROSTOV PROVINCE—PHYSICAL EDUCATION AND TRAINING**

Results of the work of physical education departments of the Rostov Province institutions of higher learning. M. A. Kalmykov. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 4:77-78 Ap '65.

**ROSTOV PROVINCE—WHEAT**

Where is that famous Don wheat? M. Ivanov. *Zakup. sel'khoz. prod.* no. 3:19-20 Mr '65.

**ROTARY CONVERTERS**

Ivanov, M. E., and V. V. Kvoksha. [Power supply sources of electric and radio navigation devices] *Istochniki pitanija elektrodinamicheskikh priborov.* Moskva, Transport, 1965. 218 p.

**ROTARY PUMPS**

Investigating the irregularity of the discharge of double-acting vane pumps with relieved plates. I. Z. Zaitchenko, L. M. Myailovskii. *Vest. mashinost.* 45 no. 4:41-47 Ap '65.

**ROTATING BODIES**

Trail behind a rotating body. V. N. Kalashnikov. *Izv. AN SSSR, Mekh.* no. 1:24-28 Ja-F '65.

**ROTATING DISKS see Disks, Rotating****ROTATING MASSES OF FLUID**

Constructing a magnetohydrodynamic model of a cyclone. Part 2. A. G. Khantadze. *Geomag. i aer.* 5 no. 3:413-418 My-Je '65.

Effect of rotation on the turbulence of two-dimensional flows. Vo Khong-an [Wo Hong-an], B. A. Tverskoi. *Dokl. AN SSSR* 181 no. 5:1030-1032 Ap '65.

**ROTATION OF CROPS**

Agrobiological characteristics and the development of cultivation practices of growing pulse crops in cotton rotation in the Zeravshan Valley. V. S. Khankishvili. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:45-57 '64. Productivity of 1:4 field crop-row crop rotations after one year of cotton growing. N. Safiev. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:40-44 '64. Yield capacity and productivity of farm crops during crop rotations of various combinations in central regions of the non-Chernozem belt. V. N. Stepanov, N. K. Golunova, Z. M. Solov'eva. *Izv. TSKHA* no. 5:106-121 '64.

**ROTATION OF THE PLANE OF POLARIZATION see Polarization (Light)****ROVNO PROVINCE—GOITER**

Surgical treatment of thyrotoxic goiter complicated with fibrillating arrhythmia. E. M. Borovyi. *Vest. khir.* 93 no. 12:111-113 '64.

**ROWING**

Running start technique in rowing the shell boats. S. P. Sarychev, I. U. T. Shapkov. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 5:44-47 My '65.

Tension and relaxation of muscles in the shell and canoe oarsmen. T. P. Panagorskaya, E. M. Sinel'nikova. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 4:48 Ap '65. Using the means of general physical education during the basic training period for oarsmen. B. S. Ul'rikh and others. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 5:38-41 My '65.

**ROZDOL REGION (UKRAINE)—STRIP MINING**

Improving boring and blasting operations at the South Rozdol strip mine. L. F. Zorin, V. M. Karpenko. *Gor. zhur.* no. 5:169-70 My '65.

**ROZDOL REGION (UKRAINE)—SULFUR**

Nature of the monomineral accumulations of crypocrystalline sulfur in the Rozdol deposit. B. V. Merlich, N. M. Datsenko. *Min. sbor.* 18 no. 2:188-194 '64.

**RUBBER**

Binary polymer mixtures for the casting of shoe sole parts. B. A. Krasnov and others. *Izv. vys. ucheb. zav. i tekhn. leg. prom.* no. 3:29-38 '65.

Studying the parameters of the transport of granulated rubber and rubber compounds on a vibratory vertical conveyor. V. N. Poturnev, A. G. Chervonenko. *Kauch. i rez.* 24 no. 4:27-31 Ap '65.

**RUBBER—ANALYSIS**

Use of experimental-static analysis methods in the rubber industry. A. G. Gurevich. *Kauch. i rez.* 24 no. 4:15-20 Ap '65.

**RUBBER—TESTING**

Using the swelling method for the study of the properties of various rubber types. A. G. Shvarts. *Kauch. i rez.* 24 no. 4:38-43 Ap '65.

**RUBBER, SYNTHETIC**

Efficient mixing methods for the preparation of butadiene-styrene based rubber compounds in the production of technical synthetic rubbers. N. V. Priklonskaya, N. M. Ostrovskaya. *Kauch. i rez.* 24 no. 4:5-8 Ap '65.

"Eskapon." L. Vladimirov. *Izobr. i raab.* no. 5:19, 27 '65.

Extend the use of rubberizing materials in the building and repairing of ships. N. Spitsin. *Mor. flot* 24 no. 9:32-33 S '64.

Nature of the interglobular interaction in the films of grade 30-1 synthetic styrene rubber latex obtained by means of ionic deposition. A. R. Kuznetsov, N. N. Pavlov, S. A. Pavlov. *Kauch. i rez.* 24 no. 4:13-14 Ap '65.

Use of the continuous method for the production of black-extended butadiene-styrene rubber. I. M. Basilev and others. *Kauch. i rez.* 24 no. 4:8-12 Ap '65.

**RUBBER, SYNTHETIC—TESTING**

Effect of molecular weights on the dynamic mechanical properties of cis-1,4-butadiene synthetic rubber. A. I. Marek, E. A. Sidorovich. *Kauch. i rez.* 24 no. 4:1-4 Ap '65.

Studying the properties of the SKS-30 synthetic rubber compound with high-pressure polyethylene. M. E. Krasnokutskaya, F. V. Bronshtein, G. V. Livyi. *Izv. vys. ucheb. zav. i tekhn. leg. prom.* no. 2:36-38 '65.

**RUBBER BOOTS AND SHOES see Boots and shoes, Rubber****RUBBER GOODS—TESTING**

Testing the strength of rubber-metal valves. B. M. Gorelik, G. I. Fel'dman. *Kauch. i rez.* 24 no. 4:21-23 Ap '65.

**RUBBER INDUSTRY**

Problems of the operation of automation systems in the factories. S. A. Prasolov. *Kauch. i rez.* 24 no. 4:46-48 Ap '65.

**RUBBER MACHINERY**

Four-bection sifter with rotating blades for the free-flowing ingredients of rubber compounds. V. D. Meerson, P. F. Chizhov. *Kauch. i rez.* 24 no. 4:45-46 Ap '65.

**Kuranov, I. V., Shepelev, L. M., and A. I. Kuranov.**

[Automation of equipment for the manufacture of cables and industrial rubber production] *Avtomatizatsiya kabel'nogo i rezinotekhnicheskogo oborudovaniya.* Moskva, Mashinostroenie, 1965. 371 p.

**RUBBER TIRES see Tires, Rubber****RUBELLA**

Chernáa mészén. L. Aleksandrova. *Doshk. vosp.* 38 no. 1:51 Ja '65.

**RUBENS, Sir PETER PAUL, 1577-1640**

Painter with a passionate temperament. T. Nordstein. *Sem'ia shkola* 20 no. 5:33-34 My '65.

**RUBIES—SPECTRA**

Absorption capacity of synthetic rubies in the region of a resonance doublet. M. I. Bryl'skiy and others. *Ukr. fiz. zhur.* 10 no. 4:427-431 Ap '65.

**RUBTSOVSK (ALTAI TERRITORY)—SHEEP BREEDING**

Master of the "Golden Fleece." I. Korotkii. *NTO* 7 no. 3:50-51 Mr '65.

**RUBY—SPECTRA**

Temperature dependence of the absorption capacity of synthetic ruby in the region of a resonance doublet. V. N. Vlashevskii, N. S. Pilyayko, I. U. N. Solov'eva. *Opt. i spekt.* 18 no. 3:517-520 Mr '65.

**RUBY CRYSTALS—OPTICAL PROPERTIES**

Determining the oscillator force of the ruby R<sub>1</sub> line at 78°K by the method of Rozhdstvenskii hooks. N. K. Bel'skii, D. A. Mukhamedova. *Dokl. AN SSSR* 162 no. 3:527-529 My '65.

**RUDIAVSKI, Boris Alekseevich, 1903-**

Boris Alekseevich Rudiauskii; on his 60th birthday. *Khirurgia* 41 no. 4:145 Ap '65.

**RUG AND CARPET INDUSTRY**

Rug wool. A. Kantepol'skii. *Zakup. sel'khoz. prod.* no. 3:27-28 Mr '65.

**ROMANIA—AUTOMOBILE INDUSTRY**

Automobile industry in Bulgaria and Romania. R. I. Smolinskii. *Avt. prom.* 31 no. 4:46-47 Ap '65.

**ROMANIA—CHEMICAL INDUSTRIES**

Contribution of the trade unions to the development of the petroleum and chemical industries of the Romanian People's Republic. *Istrat. Ion. Neftiank* 8 no. 5:18-19 My '63.

**ROMANIA—FUNGI**

New and rare species of fungi found in the Mogos peit bog of the Romanian People's Republic. Alexandru Negru, Sandor Moscs. *Izv. AN Arm. SSR Biol. nauk* 16 no. 3:57-63 Mr '65.

**ROMANIA—KARST**

Karst provinces in Romania. K. Motasi, V. Pushtariu, M. Blakhu. *Peshchery* no. 4:65-68 '64.

**ROMANIA—PETROLEUM INDUSTRY**

Contribution of the trade unions to the development of the petroleum and chemical industries of the Romanian People's Republic. *Istrat. Ion. Neftiank* 8 no. 5:18-19 My '63.

**ROMANIA—RELATIONS (GENERAL) WITH RUSSIA**

[Historical contacts of the peoples of the U. S. S. R. and Romania in the 15th up to the early 18th century, documents and materials in three volumes] *Istoriccheskie svyazi narodov SSSR i Rumynlii XV—nachale XVIII v., dokumenty i materialy v trekh tomakh.* Red. kollegiya: I. A. Grosul i dr. Moskva, Nauka, Vol. 1. 1408-1632. 1965. 362 p.

**ROMANIA—SOILS**

Soils trip of the second tour of the International Congress of Soil Scientists. S. V. Zonn. *Pochvovedenie* no. 5:115-118 My '65.

**ROMANIA—SOILS—ANALYSIS**

Research trip to southeastern Romania. E. N. Rudneva. *Pochvovedenie* no. 5:107-115 My '65.

**ROMANIA—SURGERY—CONGRESSES**

Work of the 11th National Congress of the Surgeons of Romania. F. G. Uglov, S. S. Mikhailov. *Vest. khir.* 93 no. 12:117-122 '64.

**ROMANIA—VIROLOGY**

Immunocytological study of the natural variability of A and B viruses in Romania for the past 30 years. M. Duca and others. *Vop. virus* 10 no. 1:56-60 Ja-F '65.

**RUMEN**

Amino acid composition of mucoproteins of the rumen contents in cattle. I. M. Pavliuk. *Dop. AN URSSR* no. 5:630-633 '65.

**RUMEX**

Study of the flavonoids of garden sorrel. T. A. Volkhon-skaya, V. G. Minaeva. *Byul. Glav. bot. sada* no. 56:57-59 '64.

**ROMANIA—FEEDING AND FEEDS**

Zherabzov, P. I. [Physiological bases for the efficient feeding of ruminants. Translated from the English, German and French] *Fiziologicheskie osnovy ratsional'nogo kormleniya zhivachnykh zhivotnykh.* Moskva, Kolos, 1964. 1 v. (DNAL)

**RUMINANTIA—PARASITES see Parasites—Ruminantia****RUNDKVIST, VASILII ALEKSANDROVICH, 1896-1964**

Vasilii Aleksandrovich Rundkvist; an obituary. *Obog. rud* 9 no. 4:50 '64.

**RUNNING**

Technique of the short distance run. D. P. Ionov, G. I. Chernisev, N. D. Tret'akov. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 5:33-38 My '65.

**RUNOFF see subdivision under Dnestro Valley; Lithuania; Russia, Northern****RURAL CONDITIONS**

Development of rural demand. Sh. Afrutkin. *Sov. potreb. koop.* 9 no. 4:51-53 Ap '65. Structural change in the leisure and working time of peasants during the Soviet period. A. S. Duchal. *Vop. filos.* 19 no. 4:74-80 '65.

**RURAL CONSTRUCTION**

(see also subdivision under Belgorod Province; Kirghizistan; Leningrad Province; Virgin Territory; Volga Valley)

Rural construction in the final year of the seven-year plan. *Sel. stroi* 19 no. 11:2 Ja '65.

**RURAL ELECTRIFICATION see subdivision under Volga Valley****RURAL LIBRARIES see subdivision under Leningrad Province; Penza Province****RURAL SCHOOLS**

(see also subdivision under Gorki Leninskiye; Kuybyshev Province) Thoughts of the workers of rural schools. L. Krasnikov. *Prof. i tekhn. obr.* 22 no. 6:22 My '65.

Work training in rural schools. N. N. Demidov. *Shkola i proizv.* 9 no. 5:24-25 My '65.

WATER SUPPLY see Water supply, Rural  
KIL, IOSIF IOSIFOVICH, d 1964  
Iosifovich Ruzitskiy, an obituary. A. N. Smirnov, R. R. R. Zhur. Nov. 1964. 65 no 1 638-643  
—AIR FORCE—OFFICERS  
Anders's effectiveness. A. Shmonov. Av. i kosm. 6 39-41 Je '65  
—ALLIED INTERVENTION, 1918-1920  
Clarification. I. I. Smirnov. Vop. ist. KPSS 6 97-98 Je '65  
L. K. [In the period of foreign military intervention and the civil war, 1918-1920] V period ino-  
volnoy interentsii i hromadskoy volny, 1920. [Dnepropetrovsk, Dnepropetrovsk  
oblast' vyd-vo, 1960] 50 p. (Z istorii Dnepropetrovskoy oblasti partinoy organizatsii, no. 7) WU  
Jindrich. [Czechs and Slovaks in revolutionary  
1917-1920. Translated from the Czech]  
i slovaki v revoliutsionnoi Rossii 1917-1920 gg.  
V. V. Voenizdat, 1965 180 p.  
—ARMED FORCES  
In. S. M. [In defense of the Great October, or-  
ganization of the regular army and the militia building  
Soviet Republic, 1917-1920] Na zashchitu Oktia-  
organizatsiya reguliraniy armii i militsionnoy  
sluzhby v Sovetskoy Respublike, 1917-1920. Mo-  
Nauka, 1965 474 p  
—ARMED FORCES—MEDALS, BADGES, DECORA-  
TIONS, ETC.  
On the military valor, the Order of the Patriotic  
War and the Order of Glory. V. Loboda. Voen. ist.  
7 no 4 111-116 Ap '65  
—ARMED FORCES—MILITARY LIFE  
The man home. M. Iur'ev. Voen. znan. 41  
6-7 Je '65  
—ARMED FORCES—POLITICAL ACTIVITY  
ity of visual agitation. IA Blinkin. Komm.  
uzh Sil 46 no 7 52-55 Ap '65  
amentals and Principles of Soviet military construc-  
tion during the transition from socialism to communism.  
I. I. Iur'ev. Komm. Vooruzh. Sil 46 no 4 9-17 F '65.  
Beginning is a running start for the matter.  
I. I. Iur'ev. Komm. Vooruzh. Sil 46 no 4 71-76 F '65.  
Interests of studying modern weapons. M. Lisech-  
kin. Komm. Vooruzh. Sil 46 no 4 33-37 F '65  
for the good of the people. V. Sannikov. Komm.  
uzh Sil 46 no 7 7-76 Ap '65  
st ideology is your weapon. S. Vasilagin. Komm.  
uzh Sil 46 no 7 59-65 Ap '65  
talk about the style of the political administration's  
S. A. Avezhuk. N. Zhuravkov. Komm. Vooruzh.  
Sil 46 no 4 24-32 F '65  
Secretary, the organizer of party work. Komm.  
uzh Sil 46 no 4 3-6 F '65  
s of the activity of the military organizations of  
Russian Social Democratic Party (Bolshevik) in  
V. P. Verkhov. Vop. ist. KPSS 9 no 6 108-118  
'65.  
Attention to mass political work. S. I. Iin.  
m. Vooruzh. Sil 46 no 7 20-27 Ap '65  
—ARMY  
I. I. Iur'ev. [Heroes do not die] Gerol ne umiraiut.  
red. A. P. Kuznetsov, Alma-Ata, Kazakhskoe gos.  
no, 1963 167 p. illus., maps.  
(NIC)  
army and the creation of the Soviet command cadres  
in Voen. ist. zhur 7 no 4 3-10 Ap '65  
—ARMY—ARTILLERY  
cy. N. Krupskii. Voen. znan. 41 no 5 17 My  
of constant combat readiness. N. I. Kiylov.  
znan. 41 no 3 6-7 Mr '65  
—ARMY—BIOGRAPHY  
sars return to the ranks. D. Shelestov  
ni. 41 no 2 274-277 F '65.  
—ARMY—MILITARY LIFE  
beginning of the road. V. Ivenin. Sov. voln 47  
20-21 Ap '65  
—ARMY—ORDNANCE AND ORDNANCE STORES  
s of weapons of victory. A. Latukhin. Voen.  
41 no 5 36-37 My '65  
—ARMY—POLITICAL ACTIVITY  
and political work in the Red Army. I. Kolesnichenko.  
ist. zhur 7 no 4 95-98 Ap '65  
—ARMY—SANITARY AFFAIRS  
under as the leader of sanitary education and  
G. A. Vilunov, G. M. Stahyuk, K. P.  
Antonov. Voen. med. zhur. 10 no 9-11 '64  
—COMMERCE  
are not necessary. S. Grigor'ev. Sov. torg. 38  
1-7 Ap '65.

Liakhovskii, V. M. [Construction of the Ryazan-Kozlov  
Railroad and its role in the development of the market,  
the 1880's and the 1870's, author's abstract of a dis-  
sertation for the degree of Candidate of Historical Sci-  
ences] Sooruzhenie Riazansko-Kozlovskoi zheleznol-  
doroogi, 101' dorogi v razvitiu rynka, 1880-e i 1870-e  
gody, avtoreferat dissertatsii na soiskanie uchenoi  
stepeni kandidata istoricheskikh nauk. Nauchn. rukovo-  
ditel' P. G. Ryndzhinskiy. [Moskva] Izd-vo Mosk. univ.,  
1964, 16 p.  
[MICROFILM]  
Seminar on trade statistics. A. Pleineva. Vest. stat.  
no 5 84-85 '65  
Two suggestions. M. Grishuk. Sov. torg. 38 no. 1 37  
Ap '65  
V. I. Lenin, and commodity and monetary relations.  
B. Mochalov. Sov. torg. 38 no 4 1-3 Ap '65  
RUSSIA—COMMERCE—ALGERIA  
Algeria is interested in expanding trade with the U. S. S. R.  
N. Dalsi. Vnesh. torg. 45 no. 5 20 '65.  
RUSSIA—COMMERCE—AUSTRIA  
Business ties with neutral Austria become stronger.  
I. U. Grachev. Vnesh. torg. 45 no. 5 17-19 '65.  
RUSSIA—COMMERCE—CYPRUS  
Treaties and agreements. Vnesh. torg. 45 no. 5 45-46  
'65  
RUSSIA—COMMERCE—CZECHOSLOVAKIA  
Further developing of Soviet-Czechoslovak cooperation.  
M. Chistiakov. Vnesh. torg. 45 no. 5 10-14 '65  
RUSSIA—COMMERCE—FRANCE  
Useful dialogue. T. Ievleva. Mezhdunar. zhizn' 12  
no. 5 124-125 My '65.  
RUSSIA—COMMERCE—ITALY  
Toward the sunny coasts of Italy. A. Temichev. Mor.  
flot 25 no 5 44 My '65  
RUSSIA—COMMERCE—MATHEMATICAL MODELS  
Models of the optimization of current foreign trade plans.  
B. S. Fomin. Ekon. i mat. metod. 1 no. 1 62-70 Ja-F  
'65.  
RUSSIA—COMMERCE—PAKISTAN  
On Soviet-Pakistan trade relations. Vnesh. torg. 45  
no. 5 14 '65  
RUSSIA—COMMERCE—TURKEY  
We are leaving for Turkey with good results. E. Gerish.  
Vnesh. torg. 45 no 5 20-21 '65.  
RUSSIA—CONSTITUTIONAL LAW  
Czechoslovak textbook on the history of the Soviet state  
and law. O. I. Chistiakov, R. Kh. Muhammedova. Sov.  
gos. i pravo 35 no 5 136-138 My '65  
RUSSIA—DESCRIPTION AND TRAVEL  
Across our homeland. N. Mikhailov. Doshik vosp. 38  
no 1 60-62 Ja '65  
RUSSIA—ECONOMIC CONDITIONS  
The labor market during the reign of Peter I. V. A.  
Sharkov. Vest. LGU 20 no. 8 157-160 '65.  
RUSSIA—ECONOMIC CONDITIONS—MATHEMATICAL  
MODELS  
Marx's mathematical schemes as the basis for calculat-  
ing the interbranch balance. A. A. Konius. Ekon. i  
mat. metod. 1 no. 1 36-46 Ja-F '65.  
RUSSIA—ECONOMIC GEOGRAPHY see Geography,  
Economic  
RUSSIA—ECONOMIC POLICY  
Birman, A. M. [Several problems of the science of  
national economic administration] Nekotorye problemy  
nauki ob upravlenii narodnym khoziaistvom. Izd. 2.,  
perer. i dop. Moskva, Ekonomika, 1965, 86 p.  
(Obshchaya problema sovshestvovaniya planirovaniya o-  
vanliya, no. 12)  
First academic and technical conference of young Moscow  
scholars. Vop. ekon. no. 5 142-145 My '65.  
Industrial development of the autonomous republics of  
the R. S. F. S. R. in the beginning of the period of the  
seven-year plan 1959-1961. L. N. Lisitsyna. Ist. SSSR  
9 no 2 127-137 Mr.-Ap '65.  
Nemchinov, V. S. [Further improvement of planning and  
administration of the national economy] O dal'neishem  
sovrshenstvovanii planirovaniya i upravleniya narod-  
nym khoziaistvom, 2. izd. Moskva, Ekonomika, 1965,  
73 p  
Planned and proportionate organization of productive  
work. N. Khessin. Nauch. dokl. vys. shkoly, ekon.  
nauki 8 no. 3 14-24 '65  
Semenchuk, G. F. [Big textile bourgeoisie of Moscow and  
tsarist economic policy at the end of the 19th century,  
author's abstract of a dissertation for the degree of  
Candidate of Historical Sciences] Krupnaya moskov-  
skaya tekstil'naya burzhuanizatsiya i ekonomicheskaya politika  
tsarizma v kontse XIX veka, avtoreferat dissertatsii  
na soiskanie uchenoi stepeni kandidata istoricheskikh  
nauk. Nauchn. rukovoditel' P. I. Kabanov. Moskva,  
Mosk. obl. pedagog. in-t, 1964, 19 p.  
[MICROFILM]

Some problems of the comprehensive development of  
economic regions. V. Kistanov. Vop. ekon. no 5  
58-67 My '65  
What we have to worry about this Spring. Sov. pech.  
no 4 1-3 Ap '65  
RUSSIA—FEBRUARY REVOLUTION, 1917  
The party's Leninist policy on socialist revolution and  
American imperialism. A. V. Berezkin. Vop. ist.  
KPSS 9 no. 6 39-51 Je '65  
RUSSIA—FOREIGN ECONOMIC RELATIONS—GUINEA  
Answers to readers' questions. Soviet specialists in  
Guinea. Nov. vrem. 23 no 2 17-28 Je '65  
RUSSIA—FOREIGN RELATIONS  
Bandung and peaceful coexistence. A. I. Avien'ev. Afr.  
i Afr. seg. 8 no 4 22-23, 25 Ap '65.  
Efremov, P. N. [Russia's foreign policy during the  
period from 1907 to 1914, author's abstract of a disser-  
tation for the Degree of Doctor of Historical Sciences]  
Vneshnaya politika Rossii v period 1907-1914 gg.; avto-  
referat dissertatsii na soiskanie uchenoi stepeni doktora  
istoricheskikh nauk. Moskva, Mosk. gos. in-t mezhdunarodnykh  
otnoshenii, 1963, 42 p.  
[MICROFILM]  
The Soviet Union and the Afro-Asian forum. Sovremennik.  
Nov. vrem. 22 no. 2 7-8 My '65  
Victory Day. Nov. vrem. 22 no. 20 1-7 My '65.  
RUSSIA—FOREIGN RELATIONS—AFGHANISTAN  
Current events. Nov. vrem. 23 no. 23 3 Je '65.  
RUSSIA—FOREIGN RELATIONS—CAMBODIA  
The U. S. S. R. Boulevard in Phnompenh. A. U. Nov. vrem.  
22 no. 20 25 My '65.  
RUSSIA—FOREIGN RELATIONS—CZECHOSLOVAKIA  
A glorious anniversary of fraternal Czechoslovakia.  
I. Melnikova. Komm. Uoi. 40 no 5 64-71 My '65  
The Soviet-Czechoslovak Treaty of 1913, history of its  
diplomatic preparation. S. I. Pionatov. Sov. sluz.  
no. 1 20-33 '65.  
RUSSIA—FOREIGN RELATIONS—FRANCE  
Borisov, I. U. V. [Soviet-French relations, 1924-1956,  
author's abstract of a dissertation for the degree of  
Doctor of Historical Sciences] Sovetskoye-frantsuzskoe  
otnosheniya 1924-1956 gg.; avtoreferat dissertatsii  
na soiskanie uchenoi stepeni doktora istoricheskikh  
nauk. Moskva, Mosk. gos. in-t mezhdunarodnykh  
otnoshenii, 1964, 31 p.  
[MICROFILM]  
RUSSIA—FOREIGN RELATIONS—GERMANY, EAST  
A factor of peace in Europe. Nov. vrem. 23 no. 2 1-3  
Je '65.  
RUSSIA—FOREIGN RELATIONS—INDIA  
Current events. Nov. vrem. 23 no. 2 10-11 My '65.  
RUSSIA—FOREIGN RELATIONS—NORWAY  
Norwegian guests in the U. S. S. R. Nov. vrem. 23 no. 2  
4-5 My '65.  
RUSSIA—FOREIGN RELATIONS—POLAND  
History of Soviet-Polish relations in documents. A. A.  
Solov'ev, I. A. Khrenov, I. S. Lazhkovskaya. Vop. ist.  
KPSS 9 no. 6 116-140 Ja '65  
RUSSIA—FOREIGN RELATIONS—SAUDI ARABIA  
With Lenin's decree to Arabia. A. Stupak. Afr. i Afr. seg.  
8 no. 4 14-16 Ap '65.  
RUSSIA—FOREIGN RELATIONS—SCANDINAVIA  
Our northern neighbors. I. U. Golosheva. Nov. vrem.  
22 no. 23 3-6 My '65.  
RUSSIA—FOREIGN RELATIONS—SWEDEN  
Visitors from Sweden. Nov. vrem. 23 no. 24 20 Je  
'65  
RUSSIA—FOREIGN RELATIONS—TURKEY  
Current events. Nov. vrem. 22 no. 22 6-11 My '65.  
In the name of the interests of the peoples of Turkey  
and the U. S. S. R. B. Iotakhvorlia. Afr. i Afr. seg. 8  
no. 4 24-25 Ap '65.  
RUSSIA—FOREIGN RELATIONS—UNITED STATES  
The party's Leninist policy on socialist revolution and  
American imperialism. A. V. Berezkin. Vop. ist.  
KPSS 9 no. 6 39-54 Je '65.  
Unrepayable debt. Harry Freeman. Nov. vrem. 22  
no. 20 16-18 My '65.  
RUSSIA—HISTORIOGRAPHY  
Aslakhov, V. I. [A course of lectures on Russian histori-  
ography to the end of the 10th century] Kurs lektsii po  
russkoi istoriografii (do kontsa XIX v.). Kharkov, Izd-  
vo Kharkovskogo univ., 1965, 583 p.  
Falsification of the first decrees of the Soviet Govern-  
ment in West German bourgeois historiography. V. M.  
Khalevin. Vest. LGU 20 no. 8 148-152 '65.  
Moscow, Akademiya obshchestvennykh nauk. [Essays on  
the historiography of Soviet society] Ocheiki po  
istoriografii sovetskogo obshchestva. Moskva,  
Mysl', 1965, 597 p.

## RUSSIA--HISTORY

Foreign literature on the history of Russia's proletariat.  
 Ju. I. Križanov, N. A. Kravtseva, P. V. Pronin. Ist. SSSR 9 no. 2:180-193. M.-A. '65

From remote times to our day. A. Davydovich, S. Pokrovskii. Nov. mir. 41 no. 4:269-272. Ap. '65

[From the history of social thought and social movement in Russia] Iz istorii obshchestvennoi mysli i obshchestvennogo dvizheniia v Rossii [Saratov]. Izd-vo Saratovskogo univ., 1964. 205 p.

From the history of the interrelations of the Chechen and Ingush with Russia and the great Russian people, from the 16th century to the early 20th century. A. A. Salomov. Izv. Chet.-Ing. nauch.-issl. inst. 3 no. 1. 22-51. '64

V. I. Lenin and Russian history: formation of Lenin's concept of the Russian historical process. M. F. Naidenov. Ist. SSSR 9 no. 2:23-54. M.-A. '65

## RUSSIA--HISTORY--BIBLIOGRAPHY

New literature on the history of the U.S.S.R. Ist. SSSR 9 no. 1:178-182. Ja.-F. '65

New literature on the history of the U.S.S.R. Ist. SSSR 9 no. 2:165-169. M.-A. '65

## RUSSIA--HISTORY--SOURCES

State Historical Public Library as a help to a historian of the U.S.S.R. M. K. Starokadomskaya. Ist. SSSR 9 no. 1:216-223. Ja.-F. '65

Supporting the proposals of I. F. Gindlin and L. E. Shepelov. Ist. SSSR 9 no. 1:229-232. Ja.-F. '65

## RUSSIA--HISTORY--STUDY AND TEACHING

Practical training in the history of the U.S.S.R. during the first years of college. P. I. A. Mitushchenko, Ukr. ist. zhur. 8 no. 6:111-112. N.-D. '61

## RUSSIA--INDUSTRIES

Emel'yanov, V. I. [Technical and economic calculations in technological processes, methodology and exercises] Tekhniko-ekonomicheskie raschety v tekhnologicheskikh protsessakh; metodika i uprazhneniia. [Rostov-na-Donu]. Izd-vo Rostovskogo univ., 1961. 223 p. [MICROFILM]

Industrial development of the autonomous republics of the U.S.S.R. in the beginning of the period of the seven-year plan, 1959-1961. L. N. Lisitsyna. Ist. SSSR 9 no. 2:127-137. M.-A. '65

Pandakov, V. I. [New enterprises in the industrial economies of economic councils] Novye predpriiatiia v ekonomike promyshlennosti sovetskikh voev. Novosibirsk, Red.-Izd. otdel Sibirskogo otd-nia AN SSSR, 1964. 93 p. (MI)

The U.S.S.R. industry during twenty years: economic review. E. Lokshin. Kommunist 42 no. 8:43-56. My '65

Velichko, O. I. [Criticism of West German bourgeois historiography of the socialist industrialization of the U.S.S.R.; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Kritika zapadnogermandskoi burzhuaznoi istoriografii sotsialisticheskoi industrializatsii SSSR, avtor ocherat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Nauch. rukovoditel' V. I. Salov. Moskva, Mosk. obl. pedagog. in-t, 1964. 19 p. [MICROFILM]

## RUSSIA--INTELLECTUAL LIFE

[From the history of social thought and social movement in Russia] Iz istorii obshchestvennoi mysli i obshchestvennogo dvizheniia v Rossii. [Saratov]. Izd-vo Saratovskogo univ., 1964. 205 p.

## RUSSIA--LITERATURES

Drama, time, historical. K. Rudnikskii. Vop. lit. 9 no. 4:73-94. Ap. '65

Literary life. Vop. lit. 9 no. 4:247-256. Ap. '65

## RUSSIA--MANUFACTURES

Chief criterion. G. Balkov. Sov. torg. 38 no. 4:15-10. Ap. '65

Main results of the simultaneous census of stocks of non-food stuffs, as of October 1, 1964. Vest. stat. no. 5:86-95. '65

Put light and food industry enterprises faster into operation. V. V. Vadin. Fin. SSSR 39 no. 5:51-58. My '65

Stocks of goods in the trade system are the most important and index of the correlation between the supply and demand. A. Zaitseva. Vest. stat. no. 5:29-30. '65

What are the results of direct contacts. A. Dykina, A. Levin. Ist. zhizn' no. 10:30-33. My '65

## RUSSIA--MANUFACTURES--FINANCE

Issuing credit for the expansion of the production of consumer's goods and improvement of service industries. Fin. SSSR 39 no. 5:82-93. My '65

## RUSSIA--MILITARY POLICY

Reflections on the last war. N. Talenskii. Mezhdunar. zhizn' 12 no. 5:18-27. My '65

## RUSSIA--NAVY

Combat watch of Soviet sailors. S. Gorskikh. Voen. znaniia, 41 no. 5:6-7. My '65

In great sailing. S. Starostin, Voen. znaniia, 41 no. 8:18-10. Je. '65

## RUSSIA--NAVY--SEA LIFE

A capacious unit. A. Nefedov. Sov. voen. 17 no. 8:26-27. Ap. '65

## RUSSIA--POLITICS AND GOVERNMENT

Cadet Chelnokov's letters, 1907-1913. I. P. Bogalov. Ist. SSSR 9 no. 2:213-211. M.-A. '65

From the history of certain "prophecies" of the bourgeoisie falsifiers. G. G. Alakhverdov. Vop. ist. KPSS 9 no. 6:65-74. Je. '65

[Gazette of the Supreme Soviet of the R.S.F.S.R.] Ved. Verkh. Sov. RSFSR 9 nos. 19-21. My '65

[Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh. Sov. SSSR 20 no. 21. My '65

Historical victory of the Soviet people. Komm. Ukr. 39 no. 5:3-8. My '65

Kommunisticheskaya partiia Sovetskogo Soiuza. [Program and statute of the Communist Party of the Soviet Union] Programma [i] Ustav Kommunisticheskoi partii Sovetskogo Soiuza. Moskva [Politizdat] 1964. 267 p. (NNC)

Lenin, V. I. [V. I. Lenin about collective leadership] V. I. Lenin o kollektivnosti rukovodstva; sbornik. Moskva, Politizdat, 1965. 239 p.

Mal'kov, V. V. [Public control in Soviet state administration] Obshchestvennyi kontrol' v sovetskom gosudarstvennom upravlenii. [Moskva] Izd-vo Mosk. univ., 1965. 122 p.

Some conclusions from the discussion on the problems of the noncapitalist ways of development. Vop. ist. KPSS 9 no. 6:55-64. Je. '65

Training Lenin's instructions; documents. M. I. Zakhar'eva, L. A. Shapiro. Ist. SSSR 9 no. 2:74-86. M.-A. '65

V. I. Lenin's works "Dominant catastrophe and how to prevent it" and "Will the Bolsheviks retain power?" I. A. Gladkov. Vop. ist. KPSS 9 no. 6:81-89. Je. '65

Working class of the Ukraine in the elections to the all-Russian and all-Ukrainian constituent assemblies. I. K. Rybak. Ist. SSSR 9 no. 1:114-125. Ja.-F. '65

## RUSSIA--POPULATION

Number and proportion of the Ukrainian population on the territory of the U.S.S.R., 1795-1959. V. M. Kabuzan, G. P. Makhnova. Ist. SSSR 9 no. 1:28-37. Ja.-F. '65

## RUSSIA--RELATIONS (GENERAL) WITH ASIA

Kheifets, A. M. [Soviet Russia and the countries of the East during the first years after the Great October Socialist Revolution; author's abstract of a dissertation for the degree of Doctor of Historical Sciences] Sovetskaya Rossiia i strany Vostoka v pervye gody posle Velikoi Oktabri'skoi sotsialisticheskoi revoliutsii; avtoreferat dissertatsii na soiskanie uchenoi stepeni doktora istoricheskikh nauk. Moskva, Mosk. gos. pedagog. in-t, 1964. 27 p. [MICROFILM]

## RUSSIA--RELATIONS (GENERAL) WITH AZERBAIJAN

New source on Russian-Azerbaijani relations. A. A. Kuliev. Dokl. AN Azerb. SSR 21 no. 1:69-73. '65

## RUSSIA--RELATIONS (GENERAL) WITH BULGARIA

From the history of the establishment of Soviet-Bulgarian cultural relations, from the late 1920's to the early 1930's. V. I. Zlydnev. Sov. slav. no. 1:61-69. '65

## RUSSIA--RELATIONS (GENERAL) WITH CHINA

Vishniukova-Akhimova, V. V. [Two years in a China in revolt, 1925-1927] Dva goda v voostavshem Kitae, 1925-1927, vospominaniia. Moskva, Nauka, 1965. 380 p.

## RUSSIA--RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

The twentieth spring. N. Novikov. Mezhdunar. zhizn' 12 no. 5:41-48. My '65

## RUSSIA--RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

A heroic and industrious city as a guard of peace and friendship. A. Bagerman, P. Khorolski. Mor. flot 28 no. 5:13-14. My '65

Our cultural ties across five continents: an interview. S. K. Romanovskii. Nov. vrem. 22 no. 20:23-25. My '65

Romanovskii, S. K. [The means of rapprochement of peoples, foreign cultural and scientific relations of the Soviet Union] Sredstvo sblizheniia narodov i zarubezhnykh kul'turnykh i nauchnykh svyazakh Sovetskogo Soiuza. Moskva, Izd-vo "Znanie," 1965. 38 p. (Novoe v zhizni, nauke, tekhnike. VII Seria; Mezhdunarodnaia, no. 9)

## RUSSIA--RELATIONS (GENERAL) WITH FRANCE

Moscow--Paris. V. Zagladin. Nov. vrem. 23 no. 2:13-4. Je. '65

## RUSSIA--RELATIONS (GENERAL) WITH GERMANY, EAST

Soldiers of the forward edge. G. Kuvshinov. Sov. voen. 47 no. 8:6-7. Ap. '65

Visiting our friends. A. Chistov. NTO 7 no. 4:58-60. Ap. '65

## RUSSIA--RELATIONS (GENERAL) WITH HUNGARY

Together with our Hungarian friends. N. P. Makara. Vest. vys. shkoly 23 no. 4:90-91. Ap. '65

## RUSSIA--RELATIONS (GENERAL) WITH INDIA

Indian journalists visit the offices of "Novoe vremia." Nov. vrem. 23 no. 23:13-13. Je. '65

## RUSSIA--RELATIONS (GENERAL) WITH RUMANIA

[Historical contacts of the peoples of the U.S.S.R. and Rumania in the 15th up to the early 18th century, documents and materials in three volumes] Istorichestele sviazi narodov SSSR i Rumynii XV--nachale XVIII v., dokumenty i materialy v trekh tomakh. Red. kollegiia. IA S. Grosul i dr. Moskva, Nauka. Vol. 1. 1408-1832. 1965. 362 p.

## RUSSIA--RELATIONS (GENERAL) WITH SCANDINAVIA

The peace and friendship trip. A. Gorinov. Mor. flot 21 no. 9:1-5. S. '61

## RUSSIA--RELATIONS (MILITARY) WITH CZECHOSLOVAKIA

Czechoslovakian meetings. V. Korshunov. Komm. Vooruzh. Sil 46 no. 7:77-80. Ap. '65

With comrades in arms. A. Koval'-Vol'kov. Sov. voen. 17 no. 6:11-13. M. '65

## RUSSIA--RELATIONS (MILITARY) WITH POLAND

Feeling of the elbow. A. Skrylnik. Komm. Vooruzh. Sil 46 no. 4:87-86. F. '65

## RUSSIA--REVOLUTION, 1917-1921

Budnikov, V. P. [The Bolshevik Party periodical press before and during the October Revolution (March 1917-February 1918); author's abstract of a dissertation for the degree of Doctor of Historical Sciences] Bol'shevistskaya partinialnaia periodicheskaya pechat' v period podgotovki i provedeniia Oktabri'skoi revoliutsii (mart 1917 g. -fevral' 1918 g.), avtor ocherat dissertatsii na soiskanie uchenoi stepeni doktora istoricheskikh nauk. Moskva, Mosk. gos. pedagog. in-t, 1963. 53 p. [MICROFILM]

Klatski, S. M. [In defense of the Great October; organization of the regular army and the militia building in the Soviet Republic, 1917-1920] Na zaschite Oktabriia; organizatsiia reguliarnoi armii i militsionnoe stroitel'stvo v Sovetskoi Respublike, 1917-1920. Moskva, Nauka, 1965. 474 p.

Pavlov, V. E., comp. [Maiden soldiers in the battles and campaigns for Russia during the war of liberation, 1917-1920] Markovtsy v bolakh i pokhodakh za Rossiiu v osvoboditel'noi voine 1917-1920 godov. Paris, 1962-1964. 2 v. (NN)

Victorious flag of the Great October. Voenn.-med. zhur. no. 10:3-6. '61

## RUSSIA--REVOLUTION OF 1905

Revolutionary events and the social movement in Kirghizia in the early 20th century, 1900-1907. A. Chukbaev. Vop. ist. Kom. part. Kir. no. 3:27-72. '64

## RUSSIA--STATISTICS

Facts and figures on the Soviet economy during the years of the Great Patriotic War. S. Gurevich. Vest. stat. no. 5:3-18. '65

Russia (1917- U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [The R.S.F.S.R. in 1964; a concise statistical abstract] RSFSR v 1964 godu, kratkii statisticheskii sbornik. Moskva, Statistika, 1965. 127 p.

Russia (1923- U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [Results of carrying out the national economic plan of the U.S.S.R. and the Union Republics in 1964, communiqué of the Central Statistical Board of the U.S.S.R. and the Central Statistical Board of the Union Republics] Itogi vypolneniia na odnokhoziaistvennogo plana SSSR i soluznykh respublik v 1964 godu, soobshcheniia TsSU SSSR i TsSU soluznykh respublik. Moskva, Statistika, 1965. 254 p.

## RUSSIA, NORTHERN--ACCLIMATIZATION

Report on the Enlarged Plenum of the Problem Commission of the Scientific Medical Council of the Ministry of Public Health of the R.S.F.S.R. on the acclimatization and regional pathology of man in the Far North. V. A. Opaleva. Sov. med. 28 no. 1:153-154. Ja. '65

## RUSSIA, NORTHERN--CONSTRUCTION EQUIPMENT--RELIABILITY

Reliability as the basic feature of construction machinery for operations in northern regions. V. A. Koval'chuk. Stroitel'stvo, mash. 8 no. 3:25-27. M. '63

## RUSSIA, NORTHERN--ECONOMIC GEOGRAPHY

Main problem of the industrial development of the near North. V. A. Vitazeva. Izv. Kom. fil. Geog. ob-va SSSR no. 8:5-16. '64

## RUSSIA, NORTHERN--EXCAVATING MACHINERY--COLD WEATHER OPERATION

Studying the resistance to cold shortness of excavator parts operating under severe climatic conditions. K. V. Popov, V. G. Savitskii. Stroitel'stvo, mash. 8 no. 3:31-33. M. '63

## RUSSIA, NORTHERN--GRAIN--STORAGE

Equipment of platforms for the postharvest processing and temporary storing of grain. P. Gusev, B. Pushkantev. Muk. elev. prom. 31 no. 4:6-11. Ap. '65





**RUSSIAN PLATFORM—CONCRETIONS**

Morphological characteristics of the spherical pyrite concretions from Cretaceous sediments in the southwestern margin of the Russian Platform, A. A. Lashinskaya, Min. shor., 18 no. 1:86-91 '64

**RUSSIAN PLATFORM—FOLDS (GEOLOGY)**

Small folding in the southwestern margin of the Russian Platform, L. N. Kudrin, Geog. shor., L'vov, old, Geog. ob-va SSSR no. 8:114-121 '64

**RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL**

Structure of the Russian Platform in the Proterozoic, A. S. Novikova, Geotektonika no. 1:61-73 Ja-F '65

**RUSSIAN PLATFORM—PYRITES**

Morphological characteristics of the spherical pyrite concretions from Cretaceous sediments in the southwestern margin of the Russian Platform, A. A. Lashinskaya, Min. shor., 18 no. 1:86-91 '64

**RUSSIAN PLATFORM—SEISMIC PROSPECTING**

Characteristics of using the controlled directional sensitivity method in the eastern regions of the Russian Platform, I. A. Mushin, I. B. Shevchenko, M. B. Shnereson, Razved. geofiz., no. 2:39-52 '64

**RUSSIAN POETRY—HISTORY AND CRITICISM**

From Mark Maksimov's Partisan diary, Sov. voen. 47 no. 6:26-28 Ma '65

**RUSSIAN POETRY—STUDY AND TEACHING**

Dobetskaya, I. I. [Training the aesthetic tastes of upperclassmen during the study of the works of Malakovskii and Tsvetkovskii] Vospitanie khudozhestvennogo vkusa starsheklassnikov pri izuchenii tvorchestva Malakovskogo i Tsvetkovskogo, Moskva, Prosveshchents, 1965, 106 p.

**RUSSIAN SATELLITES see Communist Countries****RUSSIAN SOCIAL DEMOCRATIC PARTY**

(see also subdivision under Simferopol') Studies of the activity of the military organizations of the Russian Social Democratic Party (Bolshevik) in 1917, V. P. Vorkhos', Vop. Ist. KPSS 9 no. 6:108-118 Ja '65, V. I. Lenin and the Bolshevik fraction of the 4th State Duma, based on new data, S. M. Grikova, Ist. SSSR 6 no. 2:113-126 Ma-Apr '65

**RUSSIAN STUDIES see subdivision under India****RUSSIANS see subdivision under Czechoslovakia****RUSO-JAPANESE WAR, 1904-1905**

Documents on the uprising of the Kabardin and Chechen hosmen during the time of the Russo-Japanese War, 1904, Sh. B. Chikrit-Dorzhiev, Izv. Chech.-Ing. nauch.-issl. inst., 3 no. 1:111-118 '63

**RUSTAVI (GEORGIA)—CHEMICALS INDUSTRY**

Rustavi chemists are studying, M. Lobzhanidze, NTO 7 no. 4:35 Ap '65

**RUSTAVI (GEORGIA)—FERTILIZER INDUSTRY—****AUDITING AND INSPECTION**

Public control is efficient control, B. Tskoridze, Sov. profsoyuzy 21 no. 10:16-17 My '65

**RUSTAVI (GEORGIA)—TRADE UNIONS**

Public control is efficient control, B. Tskoridze, Sov. profsoyuzy 21 no. 10:16-17 My '65

**RUSTAVI (GEORGIA)—VOCATIONAL EDUCATION**

Rustavi chemists are studying, M. Lobzhanidze, NTO 7 no. 4:35 Ap '65

**RUTHENIA see Transcarpathia****RUTHENIUM**

The new isomers Ru<sup>95</sup> and Ru<sup>101</sup>, V. L. Chikhladze, Izd. fiz., 1 no. 4:720-730 Ap '65, Second birth of ruthenium, O. E. Zviagintsev, Priroda 54 no. 5:71-74 My '65

**RUTILE**

Paragenesis of niobium and tantalum rutile in granite pegmatites, P. Cherny, Min. shor., 18 no. 1:25-31 '64

**RYAZAN—AERONAUTICAL SPORTS**

Enthusiasts, I. Zharkovskii, Kryl. rod., 13 no. 3:10-11 Mr '62

**RYAZAN—PEDIATRICS**

Characteristics of traumatism in children; based on materials of a traumatological station, E. A. Saltanovich, Ortop., travm. i protez., 26 no. 1:70-80 Ja '65

**RYAZAN—TRAUMATISM**

Characteristics of traumatism in children; based on materials of a traumatological station, E. A. Saltanovich, Ortop., travm. i protez., 26 no. 1:70-80 Ja '65

**RYAZAN PROVINCE—LIBRARIES, CHILDREN'S**

Children over rural pupils..., I. Semanova, Bibliotekar' 42 no. 4:30-41 Ap '65

**RYBINSK—COMMUNIST PARTY OF THE SOVIET****UNION—MEMBERSHIP**

Such records are not necessary, A. Sokolov, M. Maksimov, Part. zhizn' no. 10:16-47 My '65

**RYBUSHKIN, IGOR' NIKOLAEVICH, 1904-**

Igor' Nikolaevich Rybushkin on his 60th birthday, Khirurgia 13 no. 4:141 Ap '65

**RYE—FERTILIZERS AND MANURES**

Effect of organic-mineral fertilizers and nitrogen supplements on the effectiveness of the band placement of granulated superphosphate for winter rye, S. S. Dmitriev, Sbor. nauch. trud. Ivan. sel'khoz. inst., no. 21:91-102 '63

**RYE BREEDING see subdivision under White Russia****RYEGRASS**

Formation of shoots of the common ryegrass (Lolium perenne L.) as affected by moving in the development of lawns, M. M. Kosmodamianskaya, Izv. AN Mold. SSR no. 10:30-31 '63

**RYKACHIV, MIKHAIL ALEKSANDROVICH, 1840-1919**

"Academician M. A. Rykachev" by I. A. Polapov, Review by A. Kh. Khrgian, Meteor. i gidr. no. 6:50-51 Je '65

**RYL'SKIY, MAKSYM, 1895-1964**

Blodid, I. K. [Poetic language of Maksym Ryl'skiy; on the 70th anniversary of the poet's birth] Pochtych-na nova Maksyma Ryl'skoho, do 70-ricchha z narodzhennia poeta, Kyiv, Naukova, dumka, 1965, 173 p.

**SAAREMAA see Osel (Island)****SABININ, DMITRII ANATOL'EVICH, 1889-1951**

Life and work of Professor D. A. Sabinin, M. Kh. Chatalban, Agrokhitimla no. 7:3-16 Mr '65

**SABLES**

(see also subdivision under Barguzin Preserve; Sakhalin)

Observations on some stages in the intrauterine development of the sable, I. V. Baevalskii, Trudy BGZ no. 2:5-34 '60

**SABLES—FEEDING AND FEEDS see subdivision under Barguzin Preserve****SABLES—FOOD see subdivision under Sakhalin****SACROILIAC JOINT—DISEASES**

Brucellar lesions of the spine and the sacroiliac joint under conditions of sensitization with a specific antigen, D. P. Mergol'd, Zhur. mikrobiol., epid. i immun. 41 no. 10:142-143 '64

**SADOV, FEDOR IVANOVICH, 1894-**

Jubilee of Professor F. I. Sadov, Tekst. prom., 25 no. 4: 93 Ap '65

**SAFETY EDUCATION, INDUSTRIAL**

Provide each locomotive shop with an exemplary study room of labor safety, A. L. Levitskii, Elek. i tept. tizn. 9 no. 3:1-3 Mr '65

**SAFRANINE**

Use of safranine for the species differentiation of Brucella, G. A. Balandin, Zhur. mikrobiol., epid. i immun. 42 no. 1:89-91 Ap '65

**SAGAS**

Realism of Icelandic sagas, M. I. Steblin-Kamenskii, Vest. LGU 20 no. 8:107-116 '65

**SAHA, ALEXANDRU, 1908-1937**

Alexandru Sahia as a prominent Romanian journalist, A. I. Slonchenko, O. publits. i publits. no. 1:173-177 '64

**SAIGA see subdivision under Pechora Valley****SAKHALIN—BIRCH MOUSE**

Distribution of long-tailed birch mouse on Sakhalin, V. G. Voronov, T. I. Neverova, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 14:88 '63

**SAKHALIN—FISHERIES**

Cherniavskii, G. I. [For a cheap fish; collection of economic and methodological articles] V pokhod za doshevuyu rybu; sbornik ekonomicheskikh i metodicheskikh statei, IUzhno-Sakhalinsk (Sakhalinskoe knizhnoe izd-vo), 1962, 119 p.

[MICROFILM]

**SAKHALIN—FOXES—FOOD**

Feeding habits of sables and foxes in some districts of Sakhalin Province, V. V. Shmeleva, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 14:83-87 '63

**SAKHALIN—GEOLOGY, STRUCTURAL**

Tectonic regionalization of northern Sakhalin, V. S. Parakhonskaya, Dop. AN URSSR no. 4:488-501 '65

**SAKHALIN—GROWTH PROMOTING SUBSTANCES**

First experiments on the application of Sakhalin growth promoting substances of petroleum origin in chicken farming, N. I. Starchikov, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 14:86-90 '63

**SAKHALIN—PETROLEUM WORKERS**

Sakhalin petroleum workers, V. K. Lepov, Neftianik 8 no. 5:23-24 My '63

**SAKHALIN—POULTRY—FEEDING AND FEEDS**

First experiments on the application of Sakhalin growth promoting substances of petroleum origin in chicken farming, N. I. Starchikov, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 14:88-90 '63

**SAKHALIN—REPTILES**

Materials on herpetofauna of Sakhalin and the Kurile Islands, S. D. Pereleshin, P. V. Tolent'ev, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 1:3-29 '63

**SAKHALIN—ROCKS—THERMAL PROPERTIES**

Some data on the thermophysical properties of rocks composing the cross sections of oil and gas fields in the northern part of Sakhalin, G. M. Sukhar'ev, O. B. Bartsev, Dokl. AN SSSR 162 no. 1:164-165 My '65

**SAKHALIN—SABLES**

New data on the distribution of sable in Sakhalin Province, V. G. Voronov, G. A. Voronov, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 11:48-53 '63

**SAKHALIN—SABLES—FOOD**

Feeding habits of sables and foxes in some districts of Sakhalin Province, V. V. Shmeleva, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 14:83-87 '63

**SAKHALIN—SHREWS**

Occurrence of water shrew on Sakhalin, V. G. Voronov, T. I. Neverova, Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no. 14:82-83 '63

**SAKHALIN PROVINCE see Sakhalin****SALAIR RANGE—IRON ORES**

Exhalative-sedimentary nature of iron ores in the Maloyurman deposit of the Salair Range, A. K. Grigoris, Trudy SNTIGGIMS no. 35:58-61 '64, Syngenetic iron ore manifestation in the Salair Range and Altai Mountains, O. M. Adamenko, Trudy SNTIGGIMS no. 35:48-55 '64

**SALES see subdivision under Ukraine****SALES TAX**

The turnover tax should be levied in the retail trade, Kh. Mardanshin, Sov. iorg., 38 no. 4:38 Ap '65, Two suggestions, M. Grishuk, Sov. iorg., 38 no. 4:37 Ap '65

**SALICYLANILIDE**

New synthetic antimicrobial preparations, Antimicrobial activity of some salicylanilide derivatives, M. M. Rotmistrov, H. V. Kulyk, O. S. Nevskiy, Mikrobiol. zhur., 27 no. 2:52-58 '65

**SALINE AND ALKALI SOILS**

(see also subdivision under Azerbaijan, Golodnaya Steppe; Soviet Central Asia)

Effect of various salts and their concentrations on algal species, N. N. Bolyashev, E. A. Shina, E. N. Konnova, Vest. Mosk. un., Ser. 6 Biol., pozhv., 20 no. 2:72-80 Mr-Apr '65

International symposium on the soda-type salinization of soils, V. M. Borovskii, Izv. AN Kazakh SSR, Ser. biol. nauk 3 no. 2:100-102 Mr-Apr '65, Rapid method for determining the degree of salinization of soils using a glass electrode, D. S. Orlov, A. Al'zumbald, Agrokhitimla no. 2:135-141 F '65

**SALINE WATERS—DEMINERALIZATION**

New installation for the desalination of water, S. V. Vladimirov, Priroda 54 no. 4:112-113 Ap '65

**SALIVA**

Change in the content of lysozyme in the saliva of persons in antirabies vaccination, E. S. Fideiman, Vop. virus 10 no. 1:103-105 Ja-F '65

Changes in the chemical composition of the saliva of dogs in relation to the influence of external temperatures, V. A. Sivoronov, Trudy Khark. med. inst. no. 36: 413-420 '57

Chemical composition of the parotid saliva in lambs, A. V. Prokudin, Izv. AN Kazakh. SSR, Ser. biol. nauk 3 no. 2:77-82 Mr-Apr '65

**SALIVARY GLANDS**

Content of salivic acid in lacrimal and salivary secretions in dogs during conditioned and unconditioned stimulations, F. S. Kupalov, I. A. Lapina, Zhur. vya. nerv. sist., 15 no. 2:31-37 Mr-Apr '65, Effect of snoring and cathodization on the brain, L. K. Danilova, Nauch. soob. Inst. fiziol. AN SSSR no. 3:29-33 '65

Effect of direct current poles on the saliva secretion in dogs, N. P. Movchan, Nauch. soob. Inst. fiziol. AN SSSR no. 3:120-123 '65

Significance of some characteristics of the type of higher nervous activity in regulation of the trophic phase of the salivation reflex, O. M. Fugol', Fiziol. zhur. [Ukr.] 9 no. 1:27-33 Ja-F '63

**SALIVARY GLANDS—TUMORS**

Electrosurgical intervention in mixed tumors of the salivary glands, B. V. Milonov, E. A. Rabinovich, Khirurgia 41 no. 4:44-47 Ap '65

- SALMON**  
(see also subdivision under Kamchatka, Kola Peninsula)  
Catching ability of stationary salmon seines. E. D. Karakotski. Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14-78-87 '62.
- SALMONELLA**  
(see also subdivision under Leningrad region)  
Comparative study of water-soluble proteins in the initial and phage-resistant variants of *Salmonella gallinarum-pullorum* by paper electrophoresis method. V. O. Filippov, Mikrobiol. zhur. 26 no. 3 31-36 '64  
Effect of the breed of mice on the variability of the results in experimental virulence determination of typhoid fever bacteria. N. F. Lomtseva. Zhur. mikrobiol. i epid. i immunit. 41 no. 11-16-18 N '64  
Immunological study of isolated cellular structures of *Salmonella typhi*. V. N. Petrosova, E. S. Staniislavskii. Zhur. mikrobiol. i epid. i immunit. 41 no. 10 50-56 '64  
Survival of the agents of typhoid fever and paratyphoid A and B in artificially inoculated soil and silt. L. G. Gogol', N. G. Bushtueva. Trudy TSU 68 82-84 '64
- SALMONELLA—CULTURES AND CULTURE MEDIA**  
(see also subdivision under Crimea)  
Change in the DNA composition of double transformants of B. Brestlau and B. typhi addominatis. T. D. Dekhtiarenko. Mikrobiol. zhur. 26 no. 3 28-31 '64  
Development of the resistance to ultraviolet irradiation in bacteria of the *Salmonella* group. V. M. Kovbasenko. Mikrobiol. zhur. 26 no. 3 13-16 '64
- SALMONELLA INFECTIONS**  
(see also subdivision under Perm)  
Clinical characteristics of myocardial and kidney lesions in food poisoning of salmonella etiology. V. F. Mashilov. Trudy TSU 68 172-178 '64
- SALOL**  
Studying the linear rate of crystallization of salol from melts. D. F. Ovsienko, G. A. Alifanov. Sbornik nauch. trud. Inst. metallofiz. AN URSSR no. 19 170-182 '64
- SALT—CONTAINERS**  
Inclined tank for the preparation and storage of salt solutions. A. S. Molochkov. Bum. prom. no. 4-19 Ap '65.
- SALT DEPOSITS** see subdivision under Kyzyl Kum; Solikamsk region
- SALT DEPOSITS—ANALYSIS** see subdivision under Antarctic regions
- SALT DOMES** see subdivision under Caspian Lowland; Volga-Ural region
- SALT FISH** see Fish, Salt
- SALT INDUSTRY**  
Complex processing of table salt. Part 2. Decomposition of ammonium chloride by sulfuric acid with the production of ammonium bisulfate and hydrogen chloride. M. G. Munvellan, G. O. Grigorian, S. S. Karakhanian. Izv. AN Arm. SSR. Khim. nauki. 18 no. 1-92-95 '65
- SALTPETER**  
Ferroelectric properties of solid solutions of the system  $\text{KNO}_3\text{—KI}$ . A. I. A. Dantsiger, I. A. Freizon. Fiz. tverd. tela. 7 no. 5 1517-1518 My '65.
- SALTS**  
Effect of the type of salt on the changes in collagen properties in the alkaline-salt treatment. G. I. Steshov, A. A. Golovtseva. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 2-75-80 '65
- SALTS—PHYSIOLOGICAL EFFECT**  
Effect of salt components of the medium on morphology, growth and protease activity of *Bac. subtilis* and *Bac. mesentericus*. L. U. Medvedeva, I. D. Kolchynskaya, N. Z. Tin'anova. Mikrobiol. zhur. 26 no. 3-14-18 '64  
Electric activity of the cerebral cortex of a rabbit in the case of salt overload following destruction of the motor and posterior limbic areas of the cortex. N. E. Vasil'yevskaya, G. P. Udolova. Dokl. AN SSSR 161 no. 5: 1238-1241 Ap '65.  
Reaction of the neurohypophysis in birds to salt load. A. A. Volkovich. Nauch. dokl. vys. shkoly; biol. nauki. no. 2-69-73 '65.
- SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1889**  
Idealistic drama of a saltfish. E. Starikova. Nov. mir. 41 no. 2 257-261 F '65.
- SALVADOR—COMMUNIST PARTY**  
Unity gets stronger in struggle. Alberto Gualan, Benjamin Silva. Part zhizni' no. 11-80-65 Je '65.
- SALVES** see Ointments
- SAMARIUM**  
Pressure of saturated vapors of erbium, samarium, and ytterbium. A. A. Kruglykh, H. P. Kovtun, V. S. Pavlov. Ukr. fiz. zhur. 10 no. 4: 432-435 Ap '65.
- SAMARIUM SULFIDE—ELECTRIC PROPERTIES**  
Electric properties of  $\text{Sm}_2\text{S}_3$ . H. V. Lashkarov and others. Ukr. fiz. zhur. 10 no. 5: 520-524 My '65.
- SAMARKAND—BUILDING**  
Story built in six days. Sh. M. Kanglev. Stroitel' arkhit. Uzb. 6 no. 2 14-15 F '65.
- SAMARKAND—CONSTRUCTION INDUSTRY—AC-COUNTING**  
Business accounting in action. N. Khomenko, A. Mikhailov. Stroitel' arkhit. Uzb. 6 no. 2 28 F '65.
- SAMARKAND—SEPOLICHRAL MONUMENTS**  
Interior of the Ak-Saray mausoleum in Samarkand. I. F. Borodina. Arkhit. nas. 17 207-214 '64.
- SAMARKAND PROVINCE—AGRICULTURAL WAGES**  
Practice in paying wages in cotton-growing brigades working on a business accounting basis. P. Kramuk. Ekonsel'khoz. 40 no. 4 79-81 Ap '65.
- SAMARKAND PROVINCE—COTTON—HARVESTING**  
Effectiveness of phosphorus organic defoliants in Samarkand Province. T. I. A. Babayev. Sbornik nauch. rab. asp. SoluzNIKH no. 5: 221-228 '61.
- SAMUELSON, PAUL ANTHONY, 1915-**  
Samuelson's "neoclassical synthesis" and bourgeois political economy. A. Kudriavtsev. Vop. ekon. no. 5: 90-97 My '65.
- SANCHURSK (KIROV PROVINCE)—AIRPLANES—MODELS**  
Well done, Sasha Kormashchikov! Kryl' lod. 13 no. 3-21 Mr '62.
- SAND**  
(see also subdivision under Kara Kum, Korotalkha River; Mezen' River)  
Barchan sand is a valuable building material. I. Ponomarev, D. Dzhuigirskii. Stroitel' arkhit. Sred. Az. 1 no. 9: 32-33 S '64.
- SAND, FOUNDRY**  
Automatic proportioning and simultaneous application in layers of the facing and backing sand on the pattern. I. N. Afanasjuk and others. Lit. proizv. no. 6 6-8 Je '64.
- SAND-LIME PRODUCTS**  
Using a mercuric porosimeter to study the differential porosity of cement and sand-lime samples. D. S. Sominskii, L. I. Edel'man. Sbornik trud. VNIISMS no. 3: 129-131 '60.
- SANDWICH CONSTRUCTION**  
Asymmetric bonding and the stability of circular sandwich plates with a lightweight filler. N. K. Galimov. Prikl. mekh. 1 no. 1-77-85 '65.
- SANDY SOILS** see subdivision under Polesye
- SANITARY ENGINEERING**  
For you, sanitary engineers. Inform. biul. VDNKH no. 4: 21 Ap '65.
- SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES**  
Russia (1923—U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Price list No. 1 of the average district estimated prices of materials, wares, and elements] Tseennik No. 1 srednikh tsenovykh smetnykh tsen na materialy, izdelia i konstruktsii. Moskva, Stroizdat.  
Pt. 3. [Materials and wares for sanitary engineering work] Materialy i izdelia dlia sanitarnotekhnicheskikh rabot. 1965. 191 p.  
[Sanitary engineering equipment] Sanitarno-tekhnicheskoe oborudovanie. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 426 p. (SSSR. Gosudarstvennye standarty)
- SANITARY MICROBIOLOGY**  
Akademiia meditsinskikh nauk SSSR. Moscow. [Problems of sanitary bacteriology and virology] Voprosy sanitarnoi bakteriologii i virusologii. Pod red. L. I. Mats. Moskva, Meditsina, 1965. 263 p.
- SANITATION**  
Cheikinskii, S. N. [Hygienic problems of water supply of rural populated places] Gigenicheskie voprosy vodosnabzheniia sel'skikh naselennykh mest. 2. izd., dop. i ispr. Moskva, Meditsina, 1965. 314 p. (Biblioteka sanitarnogo vracha)  
Gubovich, R. D. [Hygiene] Gigena. Izd. 2., ispr. i sokr. Moskva, Meditsina, 1965. 310 p.
- SAP**  
Secondary clarification of the plant sap of X-virus infected potatoes on native ion-exchange resins. I. U. M. Sheiduk, N. O. Shevchenko. Mikrobiol. zhur. 27 no. 2: 78-82 '65.
- SAPONINS**  
Content of saponins in the plants of Turkmenia eastern and central Kopetdag. A. S. Gladikh, I. A. Gubanov, A. A. Meshcheriakov. Izv. AN Turk. SSR. Ser. biol. nauk no. 1-22-35 '65.  
Saponins in *Patrinia intermedia* Roem. et Schult. A. V. Matveeva, N. K. Abubakirov. Uzb. khim. zhur. 8 no. 5: 43-46 '64.  
Triterpene saponins. Report No. 15: Clematidis C, a triterpene oligoside from roots of *Clematis manshurica* Rupr. A. I. A. Khoriin, V. I. A. Chirva, N. K. Kochetkov. Izv. AN SSSR. Ser. khim. no. 5: 811-818 '65.
- SAPROPEL**  
Sapropel increases field productivity. E. Tomina, A. Fomin. Ekonsel'khoz. 40 no. 4: 103-105 Ap '65.
- SAPROPEL AS FEED**  
Use of sapropel and trace elements in scientific experiments on the "Udarnik" State Farm. F. A. Solov'ev, A. P. Kosenkov, N. N. Timofeev. Khim. v sel'khoz. 3 no. 3 71-72 Mb '65.
- SARATOV PROVINCE—BIRCH**  
Characteristics of birch plantations on the Chernozems of the Saratov area of the Volga Valley. A. P. Kuznetsov. Sbornik nauch. dokl. no. 46: 274-284 '63.
- SARATOV PROVINCE—BITS (DRILLING AND BORING)**  
Testing diamond bits in Saratov Province. I. S. Gryzov, O. P. Moldavskii, F. F. Chupov. Buencie no. 11: 25-31 '64.
- SARATOV PROVINCE—COLLECTIVE FARMS—INTER-FARM COOPERATION**  
Interfarm construction organization attains production efficiency. K. Lisunkin. Sel'strotol. 19 no. 1: 3-4 Ja '65.
- SARATOV PROVINCE—FOREST INSECTS**  
Measuring worms in oak-dominant woods of Saratov Province. P. A. Zubov. Sbornik nauch. dokl. no. 46: 60-70 '63.
- SARATOV PROVINCE—PHYSICALLY HANDICAPPED—EMPLOYMENT**  
Results of the inspection. S. Vlasov. Sots. chespe. 26 no. 4: 28-29 Ap '65.
- SARATOV PROVINCE—RAGWEED**  
Ambrosia psilostachya DC. in Saratov Province. N. I. A. Khvalina. Bot. zhur. 50 no. 1: 532-534 Ap '65.
- SARATOV PROVINCE—SOILS—TRACE ELEMENT CONTENT**  
Boron, manganese, and molybdenum content of Chernozem soils in Saratov Province. S. I. Buntakov, G. N. Popov. Agrokhimia no. 3: 132-135 Mi '65.
- SARATOV PROVINCE—VOCATIONAL EDUCATION**  
Responsibility for the labor shift. A. Andreev. Prof. i tekhn. obr. 22 no. 4 10 Ap '65.
- SARKISOV, SEMEN ALEKSANDROVICH, 1895-**  
On S. A. Sarkisov's 70th birthday. Zhur. vyz. i osv. datat. 15 no. 1: 180-181 Ja-F '65.
- SARMATIAN ANTIQUITIES** see subdivision under Chechen-Ingush A.S.S.R.
- SATELLITES, ARTIFICIAL** see Artificial satellites
- SATIRE, UKRAINIAN**  
Armed with laughter. V. Tymchenko. Rad. lit. 9 no. 4: 28-37 Ap '65.
- SATURN (PLANET)**  
Radio emission from Saturn at a wavelength of 0 mm. B. G. Kutuz, B. I. A. Losovskii, A. P. Salomonovich. Dokl. AN SSSR 161 no. 6: 1301-1302 Ap '65.
- SAUDI ARABIA—FOREIGN RELATIONS—RUSSIA**  
With Lenin's decree to Arabia. A. Shipak. Az. i Afr. seg. 8 no. 4: 14-16 Ap '65.
- SAUDI ARABIA—INVESTMENTS, AMERICAN**  
State within a state. B. Zablrov. Az. i Afr. seg. 8 no. 4: 28-29 Ap '65.
- SAUDI ARABIA—PETROLEUM INDUSTRY**  
State within a state. B. Zablrov. Az. i Afr. seg. 8 no. 4: 28-29 Ap '65.
- SAUSAGES**  
Effect of the composition of the stuffing on its structural and mechanical properties. A. A. Sokolov, A. B. Sabirov. Izv. vys. ucheb. zav. i plishch. tekhn. no. 1: 45-48 '65.
- SAVING AND INVESTMENT**  
Judicial practice concerning the partitioning of savings between spouses. I. U. Korshunov. Sov. iust. 28 no. 12: 7-8 Je '64.
- SAVINGS BANKS**  
Eremova, G. F., A. I. A. Bimich, and G. S. Tkachenko. [Principles of savings management] Osnovy sberegatel'nogo dela. Pod red. A. G. Zvereva. Moskva, Finansy, 1965. 107 p.  
Profundity of Lenin's penetration. V. Kruglov. Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3: 71-76 '65.
- SAWMILLS**  
(see also subdivision under Kem' District)  
Archangel. Tsentral'nyi nauchno-issledovatel'skii institut mekhanicheskoi obrabotki drevesiny. [Annotated manual on the scientific research work of the Central Scientific Research Institute of Woodworking for 1963] Annotirovannyi spravochnik nauchno-issledovatel'skikh rabot TsNIMOD za 1963 god. Arkhangel'sk, 1964. 61 p.

[MICROFILM]

## SAWMILLS—CONGRESSES

International symposium on sawmilling. A. I. Semenov, I. R. Boksichina, *Der. prom.* 14 no. 4 30-32 Ap '65

## SAWMILLS—EQUIPMENT AND SUPPLIES

Shepelev, O. A. [Automated sizing of saw logs at sawmills] Avtomatizirovannaya sortirovka pilvochnogo syr'ya na lesozavodakh. Moskva, Tsentr. nauchno-issl. informatsii i tekhniko-ekon. issledovani po lesnoj, tseluljuzno-bumazhnoj, derevoobrabatывaushchei promyshl. i lesnomu khoz., 1964. 88 p. (Derevoobrabotka)

[MICROFILM]

## SAWS—COLD WEATHER OPERATION

Effect of temperatures below freezing points on the value of the coefficient of friction of wood against steel and the Poisson coefficient. *Trudy STI* 37 78-81 '61

## SAYAN MOUNTAINS—ARTHIPODA, FOSSIL

Discovery of the remains of some huge carapace animals in the Karagashskaya series of the Eastern Sayan Mountains. A. G. Vologdin. *Dokl. AN SSSR* 161 no. 8: 1426-1430 Ap '65.

## SAYAN MOUNTAINS—COPPER ORES

Syngenetic copper potentials of Ordovician and Silurian sediments in the southern spurs of the Western Sayan Mountains (western Tuva). V. I. Kudinaviev, I. K. Kokodzev. *Trudy SNIIGGIMS* no. 35:112-115 '64.

## SAYAN MOUNTAINS—GEOCHEMICAL PROSPECTING

Geochemical indicator of the zones of magnetite mineralization. I. U. G. Shestakov. *Sov. geol.* 8 no. 3:132-134 '65.

## SAYAN MOUNTAINS—GEOLOGICAL TIME

Age of alkali rocks in the eastern part of the Eastern Sayan Mountains. V. M. Kharovskii, V. P. Kostluk. *Dokl. AN SSSR* 162 no. 2:405-107 My '65.

## SAYAN MOUNTAINS—GEOLOGY

Division of Proterozoic metamorphic formations in the southern part of the Altai-Sayan area. M. A. Chernomorskiy. *Dokl. AN SSSR* 162 no. 4:693-696 Je '65.

## SAYAN MOUNTAINS—GOLD ORES

Karat gold placers. K. M. Mirzaev. *Prirada* 54 no. 5:108 My '65.

## SAYAN MOUNTAINS—IRON ORES

Paragenesis of exhalative-sedimentary iron and pyrite ores in the Mayna deposit. N. Kh. Belous, V. I. Novozhilov. *Trudy SNIIGGIMS* no. 35:101-111 '64.

## SAYAN MOUNTAINS—KARST

Karat gold placers. K. M. Mirzaev. *Prirada* 54 no. 5:108 My '65.

## SAYAN MOUNTAINS—MAGNETITE

Geochemical indicator of the zones of magnetite mineralization. I. U. G. Shestakov. *Sov. geol.* 8 no. 3:132-134 '65.

## SAYAN MOUNTAINS—NONFERROUS METALS

Nonferrous metals (copper, lead, zinc) in the volcanic sedimentary complexes of the Altai-Sayan fold area. A. A. Ononovskaya. *Trudy SNIIGGIMS* no. 35:177-181 '64.

## SAYAN MOUNTAINS—PINE

Ecological characteristics of the Siberian pine stands in the Eastern Sayan Mountains. L. I. Krest'iankin. *Bot. zhur.* 50 no. 3:409-414 Mr '65.

## SAYAN MOUNTAINS—PYRITES

Paragenesis of exhalative-sedimentary iron and pyrite ores in the Mayna deposit. N. Kh. Belous, V. I. Novozhilov. *Trudy SNIIGGIMS* no. 35:101-111 '64.

## SAYAN MOUNTAINS—ROCKS, IGNEOUS

Age of alkali rocks in the eastern part of the Eastern Sayan Mountains. V. M. Kharovskii, V. P. Kostluk. *Dokl. AN SSSR* 162 no. 2:405-407 My '65.

## SAYAN MOUNTAINS—ROCKS, SEDIMENTARY

Cambrian volcanic sedimentary formations in the southwestern part of the Eastern Sayan Mountains and their metallogeny. B. P. Zubkov, E. A. Sheldor. *Trudy SNIIGGIMS* no. 35:17-25 '64.

## SCALES (WEIGHING INSTRUMENTS)

Automatic proportioning scales for free flowing materials. I. U. D. Kobtnok and others. *Khleb. i kond. prom.* 9 no. 6:13-16 My '65.

## SCANDINAVIA—FOREIGN RELATIONS—RUSSIA

Our northern neighbors. I. U. Golosubov. *Nov. vrem.* 22 no. 22:3-8 My '65.

## SCANDINAVIA—POLITICS

Our northern neighbors. I. U. Golosubov. *Nov. vrem.* 22 no. 22:3-6 My '65.

## SCANDINAVIAN PHILOLOGY

Graduation of the first group of students who specialized in Scandinavian studies. *Vest. Mosk. un. Ser. 7: Filol., zhur.* 20 no. 2:93 Mr-Apr '65.

## SCANDIUM COMPOUNDS

Gluconate complexes of scandium. N. A. Kostromina, E. D. Romanenko. *Ukhi khim. zhur.* 31 no. 4 332-338 '65.

## SCATTERING (PHYSICS)

Asymptotic character of a one-dimensional scattering problem. M. V. Fedoruk. *Dokl. AN SSSR* 162 no. 2: 287-289 My '65.

Inelastic scattering of heavy particles with excitation of collective nuclear states. V. K. Luk'yanov, I. Zh. Petkov. *Izv. AN SSSR, Ser. fiz.* 29 no. 5:823-829 My '65.

## SCHEDULING (MANAGEMENT)

Abramov, S. A., M. I. Marinichev, and P. D. Pollakov. [Network methods of planning and administration, use of electronic computers for planning and administering development] Setovye metody planirovaniia i upravleniia, primeneniia EVM dlia planirovaniia i upravleniia inzhenernymi razrabotkami. Moskva, Sovetskoe radio, 1965. 166 p.

## SCHIFF BASES

Bis (trifluoromethyl) ketene anil. N. P. Gambarian and others. *Izv. AN SSSR, Ser. khim.* no. 4:749-750 '65.

Special features of the intramolecular hydrogen bonding in molecules of the anils of  $\alpha$ -hydroxyaldehydes and  $\alpha$ -hydroxyanils. V. I. Minkin and others. *Dokl. AN SSSR* 162 no. 1:108-111 My '65.

## SCHIZOPHRENIA

Analysis of erroneous diagnoses of the initial periods of schizophrenia. I. U. V. Kirakosov. *Vop. klin., patog. i lech. shiz.* no. 1:58-62 '64.

Characteristics of disorders in the intellectual activity of schizophrenia patients with psychopathologic manifestations in the picture of the disease and the defect. V. V. Kostikova. *Vop. klin., patog. i lech. shiz.* no. 1: 75-77 '64.

Characteristics of the higher nervous activity in schizophrenia patients in a stage of remission. L. N. Bolashova. *Vop. klin., patog. i lech. shiz.* no. 1:9-12 '64.

Chemical factors of nervous stimulation in the blood in schizophrenia. G. G. Rozhdetsvenskaya. *Trudy Khar. med. inst.* no. 36:279-284 '57.

Clinical aspects and treatment of late schizophrenia. M. D. Stashchuk. *Vop. klin., patog. i lech. shiz.* no. 1: 131-134 '64.

Clinical aspects and treatment of schizophrenia originating in connection with influenza. E. L. Maksutova. *Vop. klin., patog. i lech. shiz.* no. 1:94-98 '64.

Clinical aspects and treatment of schizophrenia patients with the obsession syndrome. M. B. Danilova. *Vop. klin., patog. i lech. shiz.* no. 1:37-40 '64.

Clinical aspects of psychopathologic manifestations during the course of schizophrenia in the light of the problems of social and work adaptation. A. V. Grossman. *Vop. klin., patog. i lech. shiz.* no. 1:39-33 '64.

Clinical characteristics of paranoid schizophrenia with a comparatively early origin of the process. V. I. Meierovich. *Vop. klin., patog. i lech. shiz.* no. 1:99-101 '64.

Clinical characteristics of schizophrenia originated in connection with psychogenia. N. F. Dement'eva. *Vop. klin., patog. i lech. shiz.* no. 1:41-43 '64.

Clinical characteristics of schizophrenia patients resistant to haloperidol treatment. I. U. A. Aleksandrovskii. *Vop. klin., patog. i lech. shiz.* no. 1:5-8 '64.

Clinical characteristics of the Kandinskii-Clerambault syndrome in the paranoid form of schizophrenia. T. A. Klimushova. *Vop. klin., patog. i lech. shiz.* no. 1:67-68 '64.

Clinical variations of the paraphrenic syndrome in schizophrenia. R. D. Smirnov. *Vop. klin., patog. i lech. shiz.* no. 1:28-30 '64.

Comparative effectiveness of aminazine and insulin treatment based on data of a late catamnestic. E. F. Kazanets. *Vop. klin., patog. i lech. shiz.* no. 1:53-55 '64.

Comparative study of the effectiveness of aminazine and insulin treatment of the paranoid form of schizophrenia. D. G. Enikoev. *Vop. klin., patog. i lech. shiz.* no. 1:48-49 '64.

Comparative study of the formation of remissions in the paranoid form of schizophrenia in the process of treatment with aminazine and insulin. A. N. Frishberg. *Vop. klin., patog. i lech. shiz.* no. 1:45-148 '64.

Course of schizophrenia originating following influenza according to catamnestic data. E. L. Maksutova. *Vop. klin., patog. i lech. shiz.* no. 1:97-98 '64.

Course of the common form of schizophrenia. E. N. Koroleva. *Vop. klin., patog. i lech. shiz.* no. 1:72-74 '64.

Diverse variations of periodical schizophrenia and their relations to aminazine therapy. V. A. Egorov. *Vop. klin., patog. i lech. shiz.* no. 1:44-47 '64.

Effect of aminazine on the course of the paranoid form of schizophrenia with expressed elements of periodicity and circularity in the clinical picture and course. F. G. Mukharlamova. *Vop. klin., patog. i lech. shiz.* no. 1: 105-107 '64.

Effect of therapeutic doses of aminazine on the action of gonadotropic hormones: preliminary report. A. I. Belkin, M. V. Lakhonina. *Vop. klin., patog. i lech. shiz.* no. 1:16-18 '64.

Functional disorders in the cerebral blood circulation in schizophrenia patients. P. G. Petrochenkov. *Vop. klin., patog. i lech. shiz.* no. 1:112-115 '64.

Materials on comparative epidemiology of schizophrenia in cities and rural areas. E. D. Krasik. *Zhur. neur. i psikh.* 65 no. 4:608-616 '65.

Mazhepit treatment of unfavorably developing forms of schizophrenia. M. I. Ruzhanakii. *Vop. klin., patog. i lech. shiz.* no. 1:118-120 '64.

Pterographic examination of ocular pulse in schizophrenia patients following aminazine treatment. P. G. Petrochenkov. *Vop. klin., patog. i lech. shiz.* no. 1:106-111 '64.

Problem of "adaptation" of schizophrenia patients to aminazine. V. F. Baranov, P. A. Khrekov. *Vop. klin., patog. i lech. shiz.* no. 1:13-15 '64.

Problem of the dynamics of gas exchange in schizophrenia patients during the process of treatment with prolonged absolute alimentary starvation. V. N. Lapshin. *Vop. klin., patog. i lech. shiz.* no. 1:85-87 '64.

Results of catamnestic examination of schizophrenics having committed socially dangerous actions. V. M. Shumakov. *Sud.-med. ekspert.* 8 no. 1 40-44 Ja-Mi '65.

Results of using nicotinic acid in schizophrenia patients with speech disorders. A. B. Savitskaya. *Vop. klin., patog. i lech. shiz.* no. 1:123-125 '64.

Socially dangerous actions of schizophrenia patients with a leading hypochondriac syndrome. G. A. Sultanov. *Vop. klin., patog. i lech. shiz.* no. 1:135-137 '64.

Some indices in favor of intravenous infusion of aminazine in schizophrenia patients. A. S. Lopatin. *Vop. klin., patog. i lech. shiz.* no. 1:88-90 '64.

Types of psychic disorders in slowly developing schizophrenia in relation to the problems of social adaptation. I. G. Urakov. *Vop. klin., patog. i lech. shiz.* no. 1:140-144 '64.

Typology and clinical aspects of the initial periods of schizophrenia. I. U. V. Kirakosov. *Vop. klin., patog. i lech. shiz.* no. 1:63-66 '64.

## SCHLESINGER, ARTHUR MEIER, 1917-

Socialist ideology and the historical experience of peoples. T. I. Oizerman. *Vop. filos.* 19 no. 4:39-49 '65.

## SCHOLIA

Who included the Papias Scholium into the Orthodox Nomocanon. S. V. Troitskii. *Bog. trudy* no. 2:5-61 '61.

## SCHOOL EXCURSIONS

Use of local material during the study of chemistry in schools. D. N. Onogostok. *Izv. APN* no. 134:164-175 '64.

Work excursions in rural schools. K. P. P. Okop'ev. *Shkola i prosv.* 9 no. 5:28-29 My '65.

## SCHOOL GARDENS

Use of the school gardens. P. P. Gladkii. *Shkola i prosv.* 9 no. 4:22-25 Ap '65.

SCHOOL LIBRARIES see subdivision under Zaporozh'ye Province

## SCHOOL LUNCHROOMS, CAFETERIAS, ETC.

Students' nutrition is our daily concern. Z. Shkabel'nikova. *Sov. potreb. koop.* 9 no. 4:17-18 Ap '65.

## SCHOOL SUPERINTENDENTS AND PRINCIPALS

Just an ordinary one. A. Kostromina. *Doshk. voosp.* 38 no. 1 68-69 Ja '65.

## SCHOOL SUPERVISION

(see also subdivision under Kirov Province; Kuybyshev; Spasskiy District, Ryazan Province)

Manual for school inspectors and principals. H. Mykhailenko. *Rad. shk.* 43 no. 4 104-105 Ap '65.

Plan and the carrying out. L. P. Korobkova. *Vech. sred. shkola* 9 no. 2:14-17 Mr-Apr '65.

SCHOOLHOUSES see subdivision under Kuybyshev Province

SCHOOLHOUSES—DESIGN AND CONSTRUCTION see subdivision under Kazakhstan

## SCHOOLHOUSES—HEATING AND VENTILATION

Ventilation of classrooms. S. K. Sarkisov, V. A. Zhelezniakov. *Stroi. i zhukh. Uzb.* 6 no. 2:25-28 F '65.

## SCHOOLS

Both teachers and children like it. E. Solov'eva. *Nar. obr.* no. 5:84-87 My '65.

## SCHOOLS—FURNITURE, EQUIPMENT, ETC.

Aesthetics of a study group room. P. Shestopalov. *Prof. i tekhn. obr.* 23 no. 4:16-17 Ap '65.

Mechanized blackboard. S. S. Kilgman. *Sred. shkola* 12 no. 4:46-47 Ap '65.

Portable demonstration table. G. B. Vol'nerov. *Shkola i prosv.* 9 no. 1:85-120 Ap '65.

- SCIENCE**  
(see also subdivision under Ukraine)  
Kitaigorodskii, A. I. [Physics, my profession] Fizika - molia professii. Moskva, Molodala gvardia, 1985, 174 p.  
Lenin's principles in the development of Soviet science Vest AN Kazakh SSR 21 no. 4:3-9 Ap '65  
Present-day natural science and the theory of reflection. A. M. Korshunov Vop. filoz. 19 no. 4:168-171 '65.  
The social role of science in the distorting mirror of bourgeois sociology G. I. Bondarev. Nauch. dokl. vys. shkoly, filoz. nauki 7 no. 5:78-82 '64.
- SCIENCE—BIBLIOGRAPHY** see Bibliography—Science
- SCIENCE—METHODOLOGY**  
Conference on the methodology and logic of science B. V. Sazonov, A. K. Sukhotin. Nauch. dokl. vys. shkoly, filoz. nauki 7 no. 5:116-120 '64  
Theory of knowledge and the modern scientific achievements. M. Rozenal'. Kommunist 42 no. 8:20-31 My '65.
- SCIENCE—PHILOSOPHY**  
Growing unity of science and production M. S. Slutskii, V. A. Golikov Izv. vys. ucheb. zav., geol. i razv. 7 no. 11:3-7 N '64
- SCIENCE AND COMMUNISM** see Communism and science
- SCIENCE AND RELIGION** see Religion and science
- SCIENCE FICTION**  
[Modern foreign science fiction. Translated from the English] Sovremennaya zarubezhnaya fantastika, Sost. A. Gromov. [Moskva] Molodala gvardia, 1964, 397 p. (Puteshestviia, priklucheniia, fantastika) (NNC)
- SCIENTIFIC JOURNALISM** see Journalism, Scientific
- SCIENTIFIC SOCIETIES**  
Voluntary Society of the Soviet Intelligentsia. S. Plotkin NTO 7 no. 3:61-63 Mr '65
- SCINTILLATION SPECTROMETRY**  
Feasibility of using a scintillation  $\gamma$ -spectrometer for the determination of low rates of steel corrosion. M. A. Dembrovskii, G. M. Florianovich, Zashch. met. 1 no. 1:115-118 Ja-F '65.  
Processing of spectra of gamma quanta and fast neutrons measured by means of single-crystal scintillation spectrometers. A. N. Tikhonov and others. Izv. AN SSSR. Ser. fiz. 29 no. 5:815-818 My '65.
- SCORZALITE** see subdivision under Siberia
- SCREEN PROCESS PRINTING**  
Investigating the material and resolving power of silk printing screens L. N. Dmitriev, V. I. Rusakov. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:59-69 '65.
- SCREENS (MINING)**  
Resonance grizzlies without frames V. I. Sozykin. Gor. zhur. no. 4:75 Ap '65
- SCREW CUTTING**  
Reducing labor consumption in manufacturing and assembling pins with precision thread. V. G. Deineko. Standartizatsia 29 no. 3:36-40 Mr '65.
- SCREW THREAD ROLLING**  
Automatic thread-rolling unit. I. A. Shnaldernan. Mashinostroitel' no. 5:5-6 My '65.  
Factors affecting the resistance of thread-rolling rollers. I. L. Kheifets, Kuz. -shitan. protv. 7 no. 1:13-16 Ja '65.
- SCROTUM—DISEASES**  
Anaerobic phlegmon and gangrene of the scrotum. V. M. Griashkevich, B. N. Birger, E. I. Voinilo Vest. khir. 92 no. 6:127-128 Je '64.
- SCRUBBER (CHEMICAL TECHNOLOGY)**  
Height of the initial layer of highly foaming liquids on the grids of foam scrubbers. M. E. Pozin, E. I. A. Tarat, I. Moraria. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:1003-1009 '64.  
Use of the distributing layer of disordered rings in columns with regular packing I. U. A. Golovchevskii Trudy MKHM 26:65-73 '64.
- SEA ANEMONES**  
Thermostability of the ciliate epithelium cells of the Black Sea actinias in different seasons. I. N. Dregol'skaia. Tsitologia 4 no. 5:539-544 S-O '62.
- SEA ICE**  
(see also subdivision 'Ice' under Antarctic regions)  
Reflection of Sverdrup waves from the ice edge. A. P. Legen'kov. Izv. AN SSSR Fiz. atm. i okeana 1 no. 3:327-334 Mr '65.  
Sea frazil ice, V. N. Moretskii. Probl. Arkt. i Antarkt. no. 19:32-38 '65.
- SEA KALE**  
Content of some trace elements in semi-processed sea kale. I. A. D. Kadaner. Vop. pit. 23 no. 5:80 S-O '64.
- SEA LEVEL**  
(see also subdivision under Caspian Sea, Finland, Gulf of)  
Sea level rises due to waves and diff. R. N. Ivanov. Izv. AN SSSR. Fiz. atm. i okeana 1 no. 1:94-108 Ja '65
- SEA OTTERS—FOOD** see subdivision under Kurile Islands
- SEALING (TECHNOLOGY)**  
Introducing rubber rings for sealing pistons in diesel engines. B. G. Tsekhov Kuz. -shitan. protv. 6 no. 12:20-22 D '64  
Ivanskii, G. B., and others. [Sealing joints of large-panel buildings] Geometizatsia stykov krupnopanel'nykh zdani. Moskva, Stroiizdat, 1964, 32 p.
- SEALS (ANIMALS)—DISEASES AND PESTS** see subdivision under Caspian Sea
- SEALS (ANIMALS)—MOLTING**  
Autumn molting in seals V. A. Bychkov Biol. MOIP. Old. biol. 70 no. 2:113-118 Mr-Apr '65.
- SEARCH AND RESCUE OPERATIONS**  
Command search. L. Konstantinov. Voenn. znani. 41 no. 5:44-15 My '65  
Maneuvering the ship while rescuing a person fallen overboard. I. U. Shvatev, I. Shustov. Mor. flot 24 no. 9:21-23 S '64
- SEAWATER—COMPOSITION**  
Chemical forms of gold in sea water B. I. Peshchevitskii, G. N. Anoshin, A. M. Erenburg. Dokl. AN SSSR 162 no. 4:915-917 Je '65
- SEAWATER—MICROBIOLOGY** see subdivision under Odessa
- SEBACEOUS GLANDS—DISEASES**  
Results of treatment of seborrhea and acne vulgaris. P. I. Eresko Voenn.-med. zhur. no. 7:70-71 '64.
- SEBACIC ACID**  
Reactions of condensation with hydrazine derivatives. Part I: Kinetics of aliphatic dicarboxylic acid reactions with dihydrazide of sebacic acid in m-cresol V. A. Ianchevskii, A. P. Grekov, K. A. Kornev Zhur. org. khim. 1 no. 1:40-44 Ja '65.
- SEBASTODES** see subdivision under Bering Sea; Pacific Ocean
- SECHENOV, IVAN MIKHAILOVICH, 1829-1905**  
I. M. Sechenov, founder of physiology in Russia; on the 135th anniversary of his birth. A. S. Mozzukhin, I. M. Sechenov. Voenn.-med. zhur. no. 8:83-86 '61
- SECOND BAKU—OIL FIELD FLOODING**  
Osmotic pressure as a possible cause of the formation of cavities in wells. O. M. Pechorin, F. I. A. Snel'nikov. Burenie no. 3:14-17 '65.
- SECONDARY ELECTRON EMISSION**  
Comparison of the methods of "zero" and "mirror" backings in studying secondary electron emission from thin metallic films. R. B. Segal'. Uch. zap. CHGPI 3 no. 3:13-21 '62.  
Field-intensified secondary electron emission in shooting through thin layers of magnesium fluoride. L. A. Serrebrov, V. I. Salin Fiz. tver. tela 7 no. 5:1565-1587 My '65.
- SECRETION**  
Electron microscopy of the mechanism of the secretion of catechol amines following the stimulation of the secretory process. E. Kh. Prilimak. Dokl. AN SSSR 162 no. 3:678-680 My '65.
- SECTS**  
Manners of the "free world": The "archangel" Taylor and his brethren. V. Rozen. Nov. vrem. 22 no. 22:20 My '65.  
Samolov, L. S., and B. P. Skorbin. [The mask of Father Dimitri] Maska ottsa Dimitriia. Moskva, Izd-vo "Znanie," 1965, 95 p. (Prochi, tovarishchi)
- SEDGES**  
Morphology of the vegetative organs of Central Russian sedges (the genus Carex L.). Report No. 1. Tillering types. I. U. E. Alekseev. Nauch. dokl. vys. shkoly; biol. nauki no. 2:117-123 '65.
- SEDIMENTARY ROCKS** see Rocks, Sedimentary
- SEDIMENTATION AND DEPOSITION** see subdivision under Amu Darya Delta; Fergana Valley
- SEDIMENTS (GEOLOGY)** see subdivision under Enderby Land
- SEED PELLETS** see Pelletized seeds
- SEED PRODUCTION**  
Fruiting characteristics of the Siberian pine stands in the Eastern Sayan Mountains. I. I. Kremen'ashin. Bot. zhur. 50 no. 3:409-414 Mr '65.
- SEED PRODUCTION—QUALITY CONTROL** see subdivision under Orenburg Province
- SEEDLINGS**  
Comparative morphological study of the seedlings of some Betulaceae. I. A. Korzhagina. Bot. zhur. 50 no. 3:335-340 Mr '65.
- SEEDS**  
Changes in biochemical properties of seeds in embryogenesis as related to their vernalization A. A. Aginjan, S. M. Minasian Izv. AN Arm. SSR, Biol. nauki 18 no. 1:35-40 Ja '65.  
Good quality seeds for spring. M. Kryshaleva. Inform. biol. VDNKh no. 1:31-32 Ap '65  
Seeds of wild vetches of the Crimea. V. V. Utkin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:101-110 '65.
- SEEDS—ANALYSIS**  
Changes in the content of phosphorus compounds, total and protein nitrogen in ripening lupine seed germs I. V. Matoshko, A. S. Vecher. Dokl. AN BSSR 9 no. 2:127-130 I '65.
- SEEDS—DISINFECTION**  
(see also subdivision under Kirovograd)  
Marechekha as a disinfectant of wheat seed. T. I. Andreeva and others Khim. v sel'. khoz. 3 no. 3:27-30 Mr '65.  
Thermal treatment as a method for disinfecting serradella seeds N. H. Shul'ga Vests. AN BSSR. Ser. sel'sk. khoz. no. 1:68-71 '65.
- SEEDS—GRADING**  
Treating seeds before sowing on a sieve-type grain-grading electric machine. V. Shuigel' V. Okulova. Tekhn. v sel'. khoz. 25 no. 4:80-81 Ap '65
- SEEDS—STORAGE**  
Seed viability of Crimean Compositae depending on the length of storage. V. V. Utkin. Biol. Glav. bot. sada no. 56:44-49 '64.
- SEEDS, EFFECT OF SUCCINIC ACID ON**  
Effect of succinic acid on the nitrogen metabolism of germinating caryopses of spring wheat. G. A. Khilova. Biol. Glav. bot. sada no. 56:52-57 '64.  
Quality of enzymes and the introduction of plants. A. V. Blagoveshchenskii. Biol. Glav. bot. sada no. 56:3-9 '64.
- SEEDS, EFFECT OF TEMPERATURE ON**  
Effect of the thermal treatment of seeds before planting on the growth, development and yield of cotton. Kh. T. Boltayev. Uzb. biol. zhur. 9 no. 2:33-38 '65.
- SEEPAGE**  
(see also subdivision under Sevan, Lake)  
Nature of injecting clayey solutions into fine grain sands. M. G. Kallagova, I. P. Mochalov. Trudy VNIIGIM 44, 84-87 '64.  
Use of a hydraulic integrator for solving filtration tasks. M. G. Kallagova, V. N. Korenev. Trudy VNIIGIM 44:97-110 '64
- SEISMIC PROSPECTING**  
(see also subdivision under Kazakhstan; Russian Platform)  
Effect of high pressure on the elastic properties of rock samples collected along the outline of the area of deep seismic sounding in northern Karelia. M. P. Volarovich, E. I. Baiuk, N. E. Gaidin. Izv. AN SSSR Fiz. zem. no. 1:109-115 '65.  
Method for marking the moment of excitation of elastic oscillations by means of electromagnetic impulse. N. M. Neishtadt, L. N. Ostapov. Razved. geofiz. no. 2:13-16 '64.  
Multiple reflections in a water layer and their effect on the validity of the interpretation of the data of offshore seismic prospecting. L. I. Kogan. Razved. geofiz. no. 2:16-35 '64.  
Utilization of the dynamic characteristics of reflected waves for detecting and tracing layers of variable thickness. S. P. Starodubovskaya, G. N. Pariskala. Razved. geofiz. no. 2:3-12 '64.
- SEISMIC WAVES**  
(see also subdivision under Tajik Depression)  
Conformity between predominant periods and the spectra of surface waves. T. I. Kukhtikova, V. I. Frantsuzova. Trudy Inst. solam. stol. i seism. 12:64-88 '64.  
Dependence of shifts in body waves on the duration and propagation velocity of a dislocation A. V. Vvedenskaya. Izv. AN SSSR. Fiz. zem. no. 1:3-11 '65.  
Interference of SH waves in an elastic spherical layer lying on an elastic sphere. Part 1. Z. A. Iannov. Izv. AN SSSR. Fiz. zem. no. 1:12-18 '65.  
Lamb's problem for half space with relaxation of stresses. T. A. Barinova. Trudy Inst. seism. stol. i seism. 12:3-30 '64.  
Role of the roughness of seismic boundaries in the formation of head waves on them. L. A. Riabinkin, I. U. N. Voskresenskii. Izv. AN SSSR. Fiz. zem. no. 1:31-41 '65.  
Some results of the comparison of the theoretical and experimental characteristics of seismic waves A. V. Kozlov, V. M. Aminova. Trudy Inst. seism. stol. i seism. 12:31-42 '64.  
Studying the looseness of rock by the seismoaoustic method. V. N. Sirenko, O. P. Akobashvili. Gor. zhur. no. 5:17-19 My '65.

**SEISMOLOGY** see subdivision under Africa; Tajikistan; Turkey

#### SEISMOMETRIES

(see also subdivision under Soviet Central Asia)  
Honored with medals of the Exhibition of the Achievements of the National Economy V. Olshvanger, Inform. biul. VDNKh no. 4-11-15 Ap '65

#### SEISMS

Fluctuations of Finland Gulf level and their connection with Pulkovo microseismic waves. IU D. Mikhailov. Izv. Vses. geog. ob-va. 97 no. 2:166-169 Mr-Apr '65

#### SELENIDES

Praseodymium selenides. V. I. Kalitin, E. I. Iaremshin, N. P. Lushchik. Izv. AN SSSR, Neorg. mat. 1 no. 1:53-56 Ja '65.

#### SELENIUM ACID

Oxidation of  $A^{3+}$  cations by selenous acid. Z. G. Isaeva, B. A. Abubayev, V. V. Rabinov. Izv. AN SSSR, Ser. khim. no. 3:475-485 '65.

#### SELENIUM

Geochemistry of selenium and tellurium in copper-molybdenum deposits. G. Kh. Efendiev, Z. M. Mamedov, F. Agacay. Dokl. AN Azerb. SSR 21 no. 2:28-32 '65

#### SELENIUM COMPOUNDS

Electromelting of selenium in ruby. M. A. Tshaitayn, N. I. Zakharenko. Stek. i ker. 22 no. 4:25-27 Ap '65

#### SELENIUM COMPOUNDS—ELECTRIC PROPERTIES

Electric properties of  $P_2S_5$  and  $Nd_2S_5$ . II. V. Lashkai'ov, R. B. Paderin. Ukr. fiz. zhur. 10 no. 5:568-569 My '65.

#### SELENOPHENE

Chemistry of selenophene. Part 54: Reactions of  $\omega$ -acetyl-2-acetoselenophene and the synthesis of  $\omega$ -( $\alpha$ -hydroxybenzoyl)-2-acetoselenophene. IU K. Tur'ev, N. N. Magdeshev, V. V. Titov. Zhur. org. khim. 1 no. 1:103-107 Ja '65

**SELF-DETERMINATION, NATIONAL** see subdivision under Germany

**SELF-SERVICE STORES** see subdivision under Leningrad

#### SEMICARBAZIDE

Use of thiosemicarbazides in analysis. Part 7: Photometric determination of copper in aluminum and its alloys. N. V. Koshkin, F. B. Agrest. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no. 8:1010-1013 '61.

**SEMICONDUCTOR DIODES** see Diodes, Semiconductor

#### SEMICONDUCTORS

Basic problems in alloying semiconductors. N. Kh. Abrikosov. Izv. AN SSSR, Neorg. mat. 1 no. 1:11-15 Ja '65.

Concerning the properties of aforal photographs taken on photo-semiconductor layers. E. A. Davydov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:87-89 '64  
Contribution to the theory of a semiconductor diode with an antihyperbolic contact. A. IU. Leiderman, V. M. Karageorgi-Alkalayev. Radiotekh. i elektron. 10 no. 4:720-726 Ap '65

Electric properties of diffusion p-n junctions in gallium arsenide. Direct branch of the voltage-current characteristic. E. A. Ivanova, D. N. Nasledov, B. V. T'sarenkov. Radiotekh. i elektron. 10 no. 4:703-714 Ap '65.

Electric properties of diffusion p-n junctions in gallium arsenide. Reverse branch of the voltage-current characteristic. E. A. Ivanova, D. N. Nasledov, B. V. T'sarenkov. Radiotekh. i elektron. 10 no. 4:715-719 Ap '65.

Impurity theory of active and reactive properties of p-n junctions in semiconductors. G. M. Avak'yan. Radiotekh. i elektron. 10 no. 4:683-689 Ap '65.

Measurement of the electroconductivity of semiconductors by the contact method under pressure. D. Teas, B. F. Ormont. Izv. AN SSSR, Neorg. mat. 1 no. 1:156-159 Ja '65.

Practice in using semiconductor devices in field-geophysical apparatus. B. P. Kuzin. Razved. geofiz. no. 2:90-101 '64.

Reactive properties of silicon diffusion p-n junctions. G. B. Abdullaev, Z. A. Iskenderzade, E. A. Dzhafarova. Radiotekh. i elektron. 10 no. 4:776-778 Ap '65.

Semiconductor quantum generators. N. G. Ishaov. Priroda 54 no. 5:42-50 My '65.

**Ugal, I. A.** [Introduction to the chemistry of semiconductors] Vvedenie v khimiyu poluprovodnikov. Moskva, Vysshaya shkola, 1965. 333 p.

#### SEMICONDUCTORS—ELECTRIC PROPERTIES

Anisotropic absorption of electromagnetic waves by hot carriers in semiconductors. E. M. Garshenzon, IU. A. Gurvich, L. B. Litvak-Gorskaya. Fiz. tver. tela 7 no. 5:1378-1381 My '65.

Electroconductivity of semiconductors with a narrow energy band in a strong electric field. IU. A. Bychkov, A. M. Dykma. Zhur. eksp. i teor. fiz. 48 no. 4:1165-1173 Ap '65.

#### SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Determining the sign of a photocurrent carrier charge by the capacitor method. I. A. Akimov, A. M. Meshkov. Dokl. AN SSSR 162 no. 2:306-309 My '65.

Gradient-recombination photo-emf in semiconductors. N. F. Kovtunik. Fiz. tver. tela 7 no. 5:1548-1549 My '65.

Some characteristics of the photoconductivity of inhomogeneous semiconductors. V. K. Malutenko, V. O. Romanov. Ukr. fiz. zhur. 10 no. 4:459-461 Ap '65.

#### SEMPALATINSK PROVINCE—TULAREMIA

Epidemiology of tularemia in Semipalatinsk Province. L. M. Baranovskii and others. Zhur. mikrobiol. i epid. i immun. 42 no. 4:14-18 Ap '65.

#### SENEGAL—ECONOMIC CONDITIONS

Breaking the colonial chains. A. Ploinkov. Sov. profsoyuz 21 no. 10:38-39 My '65.

#### SENSES AND SENSATION

Kuz'minov, G. A. [The sensational and the logical in knowledge of the microcosm] Chuvstvennoe i logicheskoe v poznani mikrokosma. Moskva, Mysl', 1965. 117 p.

#### SENSORY DEPRIVATION

Role of the motor regions of the cerebral cortex in the compensation of lost functions of the analyzers in monkeys in ontogeny following exclusion of distant receptors and the vestibular apparatus. V. I. Korolev. Nauch. soob. Inst. fiziol. AN SSSR no. 3:67-72 '65.

Sex reflexes in monkeys following the exclusion of the peripheral ends of distant analyzers. K. G. Lebeutau. Nauch. soob. Inst. fiziol. AN SSSR no. 3:89-103 '65.

**SENTENCES (CRIMINAL PROCEDURE)** see subdivision under Novosibirsk

#### SEPARATION (TECHNOLOGY)

Method of approximation for calculating the adsorption separation of a multicomponent vapor mixture with sampling of intermediate fractions. E. N. Serpionova. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no. 6:1010-1014 '64.

Results of plant tests on the deep removal of impurities from sodium silicate slags. N. I. Utkin and others. Tsvet. met. 38 no. 4:41-45 Ap '65.

Separation of fine-grained materials in the centrifugal force field. M. S. Verteshev. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no. 6:1015-1017 '64.

#### SEPARATORS (MACHINES)

Correct method for blood separation. P. Malluim, E. Belinev. Mias. ind. SSSR 36 no. 2:10-12 '65.

Hydrocyclones, its use and hydraulic calculations. A. M. T'sarevskii, K. A. Matkovskii, M. I. Khristalev. Gidromet. 17 no. 4:12-20 Ap '65.

Separation of the potato starch suspension on multifluid cyclones with elements of an efficient design. N. S. Shipunova, I. P. Kalina, Sakh. prom. 39 no. 3:58-63 Mr '65.

Thermal activation of Kara Kum sands in a cyclonic device. D. D. Dzhibigir, P. O. Kurbanov. Stro. i arkh. Uzb. 6 no. 2:20-30 F '65.

Use of hydrocyclones and centrifuges for clarifying the product of hydrolyzate neutralization. L. Kh. Vodolazova, T. S. E. Melamed, Gidrotiz. i lesokhim. prom. 18 no. 3:7-9 '65.

#### SEPARATORS (MACHINES)—AERODYNAMICS

Air column in hydrocyclones. R. N. Shestov. Izv. vys. ucheb. zav.; fizich. tekhn. no. 2:156-159 '65.

#### SEPARATORS (MACHINES)—ELECTRIC DRIVING

Using an alternating current for feeding magnetohydrodynamic separators. A. M. Nebenchin. Ugol' Ukr. 9 no. 5:41-46 My '65.

#### SEPHADEX

Isolation of an inhibitor-sensitive variation from an inhibitor-resistant culture of A2 influenza virus by gel filtration on sephadex. V. A. Isachenko, G. A. Smirnova, A. S. Gorbunova. Vop. virus. 10 no. 1:97-99 Ja-F '65.

**SEPTARIUM** see subdivision under Donetsk Basin

#### SEPTICEMIA

Prevention of puerperal infection. D. A. Lutsenko. Akush. i gin. 40 no. 5:88 S-O '64.

Prevention of severe puerperal infection. A. V. Bart'la, Z. P. Grashchenkova. Akush. i gin. 40 no. 5:80-85 S-O '64.

#### SEQUENCES (MATHEMATICS)

Abstract spaces of sequences. IU. I. Grishanov. Izv. vys. ucheb. zav.; mat. no. 2:56-60 '65.

Convergence of sequences of H-polynomials. B. Ia. Levin. Mat. sbor. 66 no. 3:384-397 Mr '65.

General theorems on quadratic relaxation. IU. I. Libich. Dokl. AN SSSR 161 no. 6:1274-1277 Ap '65.

Perturbations of sequences of elements of a Banach space. V. D. Mil'man. Sib. mat. zhur. 6 no. 2:395-412 Mr-Apr '65.

#### SERAFIMOVSKOYE OIL FIELD—OIL FIELD FLOODING

Injectivity surveys of the injection wells of the Serafimovskaya group of oil fields. A. R. Main, V. M. Chernikov. Nefteprom. dolo no. 2:17-18 '65.

#### SERBO-CROATIAN LANGUAGE—VERB

Bulatova, R. V. [Verbs of motion in the Serbo-croatian language; author's abstract of a dissertation] Glagoly dvizhenia v serbsko-khorvatskom iazyke, avtoreferat dissertatsii. Nauchnyi ukovoditel' E. V. Chesko. Moskva, Akad. nauk SSSR. In: I slavjanovedeniia, 1964. 23 p.

(MHI)

#### SERFDOM

The labor market during the reign of Peter I. V. A. Sharkov. Vest. LGU 20 no. 8:157-160 '65.

#### SERIES

Division and factorization of Laurent series. I. V. Vitenko, A. N. Kostovskii. Dokl. AN SSSR 162 no. 1:15-18 My '65.

Interpolation of power series absolutely converging on the boundary of the circle of convergence. S. A. Vinogradov. Vest. LGU 20 no. 7:30-44 '65.

Summation of series by  $(C, \lambda)$ -methods. K. M. Siepenchuk. Izv. vys. ucheb. zav.; mat. no. 2:165-170 '65.

#### SERIES, DIRICHLET'S

Dirichlet series with complex exponents. G. L. Luntis. Mat. sbor. 67 no. 1:89-134 My '65.

#### SERIES, ORTHOGONAL

Summation of orthogonal series by Euler's methods. O. A. Zizva. Mat. sbor. 66 no. 3:354-377 Mr '65.

#### SERINE

Phosphoserine-containing peptide fragment of pepsin. V. M. Stepanov and others. Izv. AN SSSR, Ser. khim. no. 4:750 '65.

#### SEROLOGY

Antagonistic correlations between Leptospira of various serologic types. S. V. Rostomian. Zhur. mikrobiol. i epid. i immun. 42 no. 4:60-73 Ap '65.

Results of hyperimmunization of animals with measles virus. L. I. Kolesnikova and others. Vop. virus. 10 no. 1:67-90 Ja-F '65.

Serological studies in experimental erythroblastosis fetalis. M. Sh. Verbitskii. Biul. eksp. biol. i med. 59 no. 4:81-84 Ap '65.

#### SEROTONIN

Serotonin (5-OH) participation in the activity of the peripheral nervous system. R. R. Safrabekian. Izv. AN Arm. SSR, Biol. nauki 18 no. 1:85-89 Ja '65.

#### SEROV, VLADIMIR ALEKSANDROVICH, 1910-

Lebedev, A. K. Vladimir Aleksandrovich Serov. Moskva, Iskusstvo, 1965. 325 p. illus.

**SERPENTINTES** see subdivision under Caucasus

#### SERRADELLA

Thermal treatment as a method for disinfecting serradella seeds. N. H. Shul'ga. Vest. AN BSSR, Ser. sel'haap. nav. no. 1:68-71 '65.

#### SERUM

Activity of some transaminases in the blood serum in weak labor. IU D. Zhordanlia. Soob. AN Gruz. SSR 37 no. 3:737-744 Mr '65.

Bactericidal factors of the blood serum. Report No. 1. Bactericidal factors of the serum of normal animals and healthy persons. V. M. Suponitskaya. Zhur. mikrobiol. i epid. i immun. 41 no. 11:107-111 N '64.

Bacteriological properties of blood sera in typhoid and paratyphoid fever. L. E. Khazanova. Zhur. mikrobiol. i epid. i immun. 41 no. 10:111-118 '64.

Determination of glycoproteins in electrophoretic fractions of the blood serum. O. M. Kostukovskaya. Sovr. metod. v biokhim. 1:123-129 '64.

Method for determining aldolase in blood serum. V. I. Tovarnitskii. Sovr. metod. v biokhim. 1:303-310 '64.

Obtaining pure antibodies and determining absolute quantities of antibodies in sera with the help of antigens fixed on cellulose. A. E. Gurvich. Sovr. metod. v biokhim. 1:73-87 '64.

Paper electrophoresis of serum. A. E. Gurvich. Sovr. metod. v biokhim. 1:110-123 '64.

#### SERUM DIAGNOSIS

Diagnosis for the hemagglutination inhibition reaction with Japanese encephalitis virus. S. Ia. Gaidamovich, Duan Suan Myou. Vop. virus. 10 no. 1:105-110 Ja-F '65.

Epidemiological and clinical characteristics of pertussis-like diseases caused by Bordetella parvopertussis. O. M. Novikova, I. S. Satarov, L. A. Beliaev. Zhur. mikrobiol. i epid. i immun. 42 no. 4:126-131 Ap '65.

Laboratory diagnosis of influenza A<sub>2</sub> and B<sub>2</sub>. L. I. Nekludova. Trudy TSU 88:105-111 '64.

Ornithosis of poultry and specific diagnosis. M. E. Antonova. Vop. vet. virus. 1:445-448 '64.



## SERUM DIAGNOSIS (Continued)

Results of serological examination of commercial fur-bearing animals for toxoplasmosis. V. V. Nepyshevskaya. Trudy TSU 68 68-69 '64

Use of fluorescent serums in the detection of typhoid bacilli in the blood. N. I. Kashanova, N. G. Bushutueva, A. V. Matveeva. Trudy TSU 68 77-78 '64

SERVICE INDUSTRIES see subdivision under Sochi

## SERVICE INDUSTRIES—FINANCE

Issuing credit for the expansion of the production of consumer's goods and improvement of service industries. Fin SSSR 30 no 5:92-93 My '65

## SERVOMECHANISMS

Design of an a.c. servo drive optimum in respect to response and accuracy with digital program control. V. A. Shubenko, I. A. Braslavskii, A. D. Gid'el'debrand. Izv. vys. ucheb. zav., gor. zhur. 8 no 2 128-135 '65

Indicator devices for locating the position of the actuating mechanism of a rotary excavator. Z. A. Bagriantseva, I. A. S. Kravchenko, Gor. zhur. no 3 58-60 Mr '65

Realization of optimum processes in relay systems using additional couplings in respect to an optimized error signal magnitude. A. V. Repnikov. Izv. vys. ucheb. zav., elektromekh. 7 no 7 877-888 '64.

Studying the indirect control of steam pressure and water level in a surface type condenser with rigid negative feedback without consideration of the liquid in the steam space. I. S. Podbello. Trudy LITISBP no 14 116-123 '61

Transient processes in closed systems with second-order pulse-width modulation. V. M. Churkin. Izv. vys. ucheb. zav., elektromekh. 8 no 3:345-349 '65.

## SERZHEN'-YURT (CHECHEN-INGUSH A. S. S. R.)—BRONZE AGE

Explorations of the Serzhen'-Yurt settlement in 1963. V. I. Kozenkova. Krat. soob. Inst. arkheol. no 103:67-74 '65.

## SEVAN, LAKE—SEEPAGE

Using the method of natural electric current to determine underground seepage from Lake Sevan. R. S. Minasian. Izv. AN Arm. SSR. Nauki o zem. 18 no. 1. 41-46 '65.

## SEVAN, LAKE—WHITEFISHES

Whitefish spawning grounds in Lake Sevan. E. A. Tigranian. Izv. AN Arm. SSR. Biol. nauki 18 no. 1: 78-81 Ap '65.

## SEVAN LAKE REGION—FERTILIZERS AND MANURES

Some problems of using fertilizers in districts of the Sevan basin. P. N. Akopian. Izv. AN Arm. SSR. Biol. nauki 18 no 3 35-43 Mr '65

## SEVAN LAKE REGION—PINE

Pine cultivation on bare bottom soils of Lake Sevan. P. A. Khurshudian, M. A. Stepanian. Izv. AN Arm. SSR. Biol. nauki 18 no. 4:44-57 Ap '65.

## SEVAN LAKE REGION—ROCKS, IGNEOUS

Geology of the ultrabasic and basic intrusive rocks of the northeastern shore of Lake Sevan. S. A. Palandzhian. Izv. AN Arm. SSR. Nauki o zem. 18 no. 1:21-30 '65.

## SEVASTOPOL—SIEGE, 1942

Faith in the Sevastopol mine galleries. I. Nikolaenko. Voenn. zhurn. 41 no 5:5 Mv '65

## SEVASTOPOL, BATTLE OF, 1944

Medical service of the Black Sea Fleet during the defense and liberation of the heroic city of Sevastopol, on the 20th anniversary of the liberation of Sevastopol. A. E. Pestov, A. M. Prikhod'ko, I. M. Kondrat'ev. Voenn. med. zhur. no. 6:77-78 '64.

## SEWAGE DISPOSAL

Sewage pumping station without previous processing of wastes. R. M. Mukurdumov and others. Stroitel. arkhitekt. Sred. Az. 1 no. 9:18-19 S '64.

## SEWER PIPE

Ways of eliminating the water permeability of clay sewer pipes. B. V. Lebedev, D. N. Polubolarinov, R. M. Zaitons. Stroi. tekhn. 22 no 4 29-33 Ap '65

## SEWING—STUDY AND TEACHING

Training of sewers on a conveyor. L. Demidenko. Prof. tekhn. obr. 22 no 4:11-12 Ap '65

## SEWING MACHINES—TESTING

Effect of the direction of the fabric movement on the nature of the interaction of the needle with the rotating looper. A. G. Burmistrov. Izv. vys. ucheb. zav.; tekhn. leg. prom. Izv. vys. ucheb. zav., tekhn. leg. prom. no 2:155-161 '65.

## SEX

Relation between the sex of the offspring and the change in fatness of parental organisms. V. Sh. Kamaliev. Izv. AN Arm. SSR. Biol. nauki 18 no. 4:37-43 Ap '65.

Significance of age and sex in evaluating the prognosis in myocardial infarction. E. Sh. Khalilov, K. S. Iatsenko, A. Kh. Khampiev. Azerb. med. zhur. 42 no. 1:60-63 Ja '65.

## SEX—CAUSE AND DETERMINATION

Determination of sex from dried blood stains. M. V. Kisin, S. I. Liubinskaya. Sud. med. ekspert. 8 no 1 25-29 Ja-Mr '65

## SEX (BIOLOGY)

Effect of radiation energy on the sex cycles. L. E. Lazan. Trudy Khar. med. inst. no 36:69-76 '57.

SEX CRIMES see subdivision under Ukraine

SEX HORMONES see Hormones, Sex

SEX IN PLANTS see Plants, Sex in

## SEYM VALLEY—GRASSES—FERTILIZERS AND MANURES

Changes in the moist meadow vegetation after placement of fertilizers in the floodplain of the Seym River. T. I. Samilova. Bot. zhur. 50 no 3:361-367 Mr '65.

## SHAFT SINKING

(see also subdivision under Donets Basin)

Controlling the verticality of mine shafts by the ultrasonic location method. B. I. Lefbenzon. Shkhit. stroi. 9 no 4:8-10 Ap '65

Short delayed blasting in the sinking of shafts and making junctions. P. S. Malyi, N. I. Diadchkin. Gor. zhur. no 3 72-73 Mr '65.

Simultaneous erection of a headframe and sinking of a vertical shaft using various methods of rock transportation. V. G. Kushmet. Ugol. Ukr. 9 no 4 41-47 Ap '65

## SHAFT SINKING—EQUIPMENT AND SUPPLIES

(see also subdivision under Krivoy Rog Basin)

Assembly of the equipment of a skip shaft complex. B. F. Negutskiy. Ugol. Ukr. 9 no 4 17-48 Ap '65.

## SHAFT SINKING—SAFETY MEASURES

Pay more attention to mine shafts and mine hoisting. G. P. Ivanchenko, B. I. Islerov. Bezop. truda v prom. 9 no 4:3-7 Ap '65

## SHAFTING

Method for calculating the flexure of shafts. M. A. Barg, I. A. A. Barg, A. L. Lyshits. Elektrotekhnika. 36 no. 4: 54-55 Ap '65.

Some phenomena occurring during the rotation of shafts in bearings with gaps. L. I. A. Banakh. Mashinovedenie. no. 1:70-77 '65.

## SHAKESPEARE, WILLIAM, 1564-1616

Aniket, A. A. [Theater of the Shakespearean era]. Teatr. opokhi. Shekspira. [Moskva] Iskustvo, 1965, 327 p.

Lesia Ukrainka's use of a Shakespearean motif. M. I. Rudnyts'kiy. Vistnyk Lviv. un. Ser. filol. no. 1:40-49 '63.

What one doesn't do for the sake of sensation. V. Arkhipov. Vop. lit. 9 no. 4:178-182 Ap '65

## SHALE see subdivision under Kohla-Jarve (Estonia)

## SHAMPOO

Shampoo. M. S. Levit and others. Maslozhir. prom. 31 no. 4 41-43 Ap '65

## SHANTUNG, CHINA—HISTORY

The "Great swords" uprising in Shantung in 1860. N. M. Kaluzhnaia. Krat. soob. Inst. nar. Az. no. 85:60-71 '64.

## SHAORI LOWLAND—HYDROLOGY

Hydrology and the regime of the rivers and springs of the Shaori Lowland. L. A. Vladimirov. Trudy Geog. ob-va Gruz. SSR 7:141-149 '63.

## SHCHORS, NIKOLAI ALEKSANDROVICH, 1895-1919

In memory of Nikolai Aleksandrovich Shchors; on the 45th anniversary of his death. F. E. Rostova-Shchors. Voenn. med. zhur. no. 8:89-90 '64.

## SHEARS (MACHINE TOOLS)

Basic parameters of shears for cutting sheet metals. A. N. Banketov. Standartizatsia 29 no 3:44-45 Mv '65.

High-capacity pneumatic shears. M. A. Rokhlenko, B. L. Smolenskii. Mashinostroitel. no. 4:12 Ap '65

SHEEP see subdivision under Daghestan; Kazakhstan

## SHEEP—PHYSIOLOGY

(see also subdivision under Kazakhstan)

Characteristics of the growth of the lamb's wool of Romanov lambs. I. F. Bellava. Sbor. stud. rab. VMI no. 3:41-50 '63.

Chemical composition of the parotid saliva in lambs. A. V. Prokudin. Izv. AN Kazakh. SSR. Ser. biol. nauk. 3 no. 2:77-82 Mr-Apr '65.

Hematologic indices, vacuol oxygen of the urine, and gas and energy metabolism in unmated, pregnant, and lactating sheep. N. D. Mosolov. Trudy mol. uch. UASHN no. 9:50-64 '63.

Nitrogen and sulfur metabolism in the organism of fine-wool sheep fed carbamide and substances containing sulfur. N. F. Matveeva. Khim. v sel. khoz. 3 no. 3:63-68 Mr '65.

## SHEEP BREEDING

(see also subdivision under Rubtsovsk, Altai Territory)

Fur coat, wool and meat. A. Gorokhova. Inform. biol. VDNKH no. 1 27-28 Ap '65

Wool productivity in hybrid dual-purpose sheep produced by crossing with meat-type herd rams. A. Asaroy. Trudy mol. uch. UASHN no. 9 20-33 '63

## SHEEP-DIP

Mechanized sheep-dipping. A. Savinkin. Tekhn. v sel. khoz. 25 no. 4 33-34 Ap '65.

## SHEEPSHEARING—EQUIPMENT AND SUPPLIES

Use of 200 c.p.s. converters in the power supply of small shearing machines. I. I. Kramorov, B. D. Karpukhin. Trakt. i sel. khoz. mash. no 3 30-31 Mv '65

## SHEET METAL—DEFECTS

Defects in sheet cut on a transverse cutting unit. S. P. Efremenko, V. I. Kaplanov. Metallurg. 10 no 3 31 Mv '65

## SHEET METAL—TESTING

Testing sheet metals. V. S. Zolotov, L. T. Timoshuk, F. K. Kobut. Standartizatsia 29 no. 3:16-18 Mr '65.

## SHEET—METAL WORK

Die for the multilateral blanking of shaped metal. M. A. Samon'kin, V. P. Ivashkevich. Kuz. -shitn. prom. 7 no 3:46-47 Mr '65

A die for oblique punching of holes in elliptical bottoms. F. F. Starnov. Kuz. -shitn. prom. 7 no. 1:3 of cover Ja '65.

Forming thin-walled bottoms of corrosion-resistant steel and titanium alloys. A. P. Golovanova. Kuz. -shitn. prom. 7 no. 3:11-13 Mv '65.

Permissible deflection of lower stamping dies. S. M. Khmara, A. A. Kolomoisev. Kuz. -shitn. prom. 7 no. 1:27-28 Ja '65.

Present state and trends in the development of cold stamping. V. P. Romanovskii. Vest. mashinostr. 15 no. 4:62-66 Ap '65.

Procedure for the die stamping of stem noses for canoes. L. I. Kotliar. Kuz. -shitn. prom. 7 no. 3:16-46 Mv '65.

Production of a rational assortment of metal. M. Medvedev. Nauch. dokl. vyzh. shkoly, ekon. nauk. 8 no. 3:90-95 '65.

Study of axially symmetrical extension during high-speed automatic die-stamping. S. N. Ivanov. Kuz. -shitn. prom. 7 no. 1:28-32 Ja '65.

A study of the technological parameters of roll forming a hollow cylindrical billet into a spherical shape. V. G. Kapotovich. Kuz. -shitn. prom. 6 no. 12:15-18 D '64.

Use of a curve measuring device to calculate blanking forces in sheet-metal work. B. I. A. Mazurevskiy. Kuz. -shitn. prom. 7 no. 1:3 of cover Ja '65.

Wall deformation during reduction of hollow cylindrical billets. A. G. Pashkevich. Kuz. -shitn. prom. 6 no. 12:18-20 D '64.

## SHEET METAL WORKING MACHINERY

Bending rolls for shaping the cylindrical body of a washing machine. A. A. Burav. Bui. tekhn. ekon. Inform. Gos. nauch. -issl. inst. nauch. i tekhn. Inform. 18 no. 3:20-27 Mr '65.

Determining optimum values of certain parameters in rotary machine lines for sheet metal work. I. A. I. Novikov. Kuz. -shitn. prom. 7 no 1:33-36 Ja '65.

## Muramovich, G. I. [Experience in introducing and using universal blocks, die sets, and accessory tools for the group die stamping of parts] Opyt vnedreniya i ekspluatatsii universal'nykh blokov, puzetnykh shlam-pov i sredstv mekhanizatsii dlia gruppovoi shlampovki detalей. Leningrad, 1965, 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya: Goriachina i kholodnaya obrabotka metallov davleniem)

Zudin, V. I. [Automatic geared-dial band strip feeding from stock to die] Zubchaty-diskovaya avtomaticheskaya podacha lant i polos iz stopy v shlamp. Leningrad, 1965, 8 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Porodovol proizvodstvennyi opyt. Seriya: Goriachina i kholodnaya obrabotka metallov davleniem)

Zudin, V. I. [Automatic geared-dial band strip feeding from stock to die] Zubchaty-diskovaya avtomaticheskaya podacha lant i polos iz stopy v shlamp. Leningrad, 1965, 8 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Porodovol proizvodstvennyi opyt. Seriya: Goriachina i kholodnaya obrabotka metallov davleniem)

## SHEET STEEL

Improve the quality of sheet steel. I. R. Bessmertnyy, A. I. Serovatin. Met. i gornorud. prom. no. 2:82-83 Mr-Apr '65.

Present-day method of calculating steel coverings and sheathings under conditions of cylindrical bending. S. D. Lgites. Mat. po met. konstr. no. 8:186-187 '64.

## SHEET STEEL—COLD WORKING

Tanks made from cold-formed sheets. A. E. Pshel'man, I. Volynskii. Prom. stroi. i inzh. skor. 6 no. 2:31-45 Mr-Apr '64.

## SHEET STEEL—STANDARDS

[Sheets, strips, and bands of carbon and alloyed steel] Listy, polosy i lenty iz uglerodistoi i legirovannoi stali. Izd. ofitsial'nogo. Moskva, Izd-vo Standartov, 1965, 431 p. (SSSR. Gosudarstvennye standarty)

## SHELL MOLDING (FOUNDING)

Ribbed shell molds I A Chernyshev Lit protzv. no. 6 no 6-1-3 Je '64

## SHELL ROOFS see Roofs, Shell

## SHELLS (ENGINEERING)

Basic equations of the semi-zero-torque theory of cylindrical orthotropic plastic shells M Sh. Mikelandze, Prikl. mekh 1 no. 1:62-69 '65

## SHELLS (ENGINEERING)—OSCILLATIONS

Axisymmetrical oscillations of shells little different from cylindrical ones S Shukurov Izv AN Kazakh SSR Ser fiz.-mat. nauk 3 no 1:87-95 Ja-Apr '65

## SHEMAKHA DISTRICT—PETROLEUM GEOLOGY

Prospects for finding oil in the Upper-Cretaceous sediments of the tertiary band of the Pirsagat-Akhsu Interfluve (Shemakha District). A. M. Zolotarev, Izv. vys. ucheb. zaved., nefte i gaz 6 no. 4:113-114 '65.

## SHENGAVIT REGION (ARMENIA)—BOVIDAE, FOSSIL

Cattle from the Aeneolithic site of the Shengavit village and Bronze Age burials in the Lichaven village (Armenian S.S.R.) S K Mezhlumian Izv AN Arm SSR Biol nauki 18 no 3:64-71 Mi '65

## SHEPETOVKA (KHEML'NTSKIY PROVINCE)—MILITARY EDUCATION

Day of the future soldier. A. Svarichevskii, Voen. znani 31 no 3:32-33 Mr '65

## SHERESHEVSKI'S SYNDROME see Turner's Syndrome

## SHERRY

Botanical substances of sherry. A. K. Rodopulo, I. A. Egorov, V. E. Ashina, Prikl. biokhim. i mikrobiol. 1 no. 1:95-101 Ja-F '65.

Sherry yeast in Turkmenia. V. P. Zhuravleva, O. I. Tikhuk, Izv AN Turk. SSR, Ser. biol. nauk no. 1:36-40 '65

## SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861

Chakova, Kyi, Bohdan. [Unforgettable page of friendship: T. H. Shevchenko and White Russia] Nezabutna storinka chuzhby, T. H. Shevchenko i Biloruslia. Kyiv, Dnipro, 1964, 184 p. illus., facsim. (CaOTU)

## SHEVELUCH VOLCANO

Sheveluch Volcano has waked up again... A. E. Syntlovskii, Pizoda 54 no 5:50 My '65.

## SHEVTSOV, VIKTOR DMITRIYEVICH, 1907-1965

Viktor Dmitriyevich Shevtsov; an obituary. Muk.-elev. prom. 31 no. 4:3 of cover Ap '65.

## SHIBANKOV, ALEKSANDR VASIL'EVICH

On the road of his father I. Porhidaev. Voen. znani. 41 no. 5:14-15 My '65

## SHIFT SYSTEMS

On two shifts. P. Starchenko. Sov. profsaluzy 21 no. 11: 6-7 Ja '65.

## SHIGELLA

Classification of the phages of Flexner's Bacterium dysenteriae. V. V. Zhelvtov, Mikrobiol. zhur. 26 no. 3: 54-60 '64.

Synthesis and consumption of B group vitamins by dysentery bacilli. O. A. Kiprianova. Mikrobiol. zhur. 27 no. 2:32-39 '65.

## SHIGELLA—CULTURES AND CULTURE MEDIA

Determining the oxidation-reduction potential of dysentery bacilli. L. D. Kalluzhina. Trudy Khar. med. inst. no. 35:233-237 '67.

New method of restoring the agglutination ability of non-agglutinating dysentery cultures A I Giekoval, A G Aramova Zhur. mikrobiol., epid. i immun. 41 no. 11: 147-148 N '64

Use of indicator discs with antibiotics on Ploskirev's medium for the increase of the growth rate of dysentery bacilli. E. A. Poplavskaya, S. M. Rzhininov, V. P. Bugrova Zhur. mikrobiol., epid. i immun. 41 no. 11:12-13 N '64.

Variability of dysentery bacilli during their cultivation on chicken embryos. T. I. Stepaniuk, Trudy Khar. med. inst. no. 36:220-232 '67.

## SHIP HANDLING

Maneuvering the ship while rescuing a person fallen overboard. IU. Shvayev, I. Shustov. Mor. flot 24 no. 8: 21-23 S '64

## SHIPBUILDING—ACCOUNTING

Andreev, P. A., and Ia. S. Cherkasskii. [Economic analysis of the balance sheet of a shipbuilding enterprise] Ekonomicheskii analiz balans sudostroitel'nogo predpriyatiia. Leningrad, Sudostroenie, 1965, 203 p.

Standard recording of individual orders. IU. Chichvarin. Buzhig uchet. 22 no. 4:30-39 Ap '65.

## SHIPBUILDING—COSTS

Standard manufacturing costs. Z. Dukor. Rech. transp. 24 no. 3:29-33 '65.

## SHIPBUILDING MATERIALS

Extend the use of rubberizing materials in the building and repairing of ships. N. Spitsin. Mor. flot 24 no. 9: 32-33 S '64.

Use of synthetic materials and plastics in ship repair. I Volkov, L. Grankov. Mor. flot 24 no. 9: 31-32 S '64

## SHIPBUILDING WORKERS—CONGRESSES

Instructive demonstration of international unity. Pleire Gensous. Vsem. prof. dvizh. no 3:21-27 My '65

## SHIPMENT OF GOODS

Economic foundations for organizing the transshipment of bulk cargoes. E. Zin'. Rech. transp. 24 no. 3:24-25 '65.

Year-round operation of a port. L. Kuz'min, A. Nekrasov. Rech. transp. 24 no. 3:26 '65.

## SHIPPING see subdivision under Kama River

## SHIPPING—ACCOUNTING

Baraklin, A. P. [Business accounting on river-going merchant ships] Khoziaistvennyi raschet rechnykh transportnykh sudov. Moskva, Transport, 1965, 107 p.

## SHIPS—CARGO

Outlook for the development of the shipping of packed export and import piece-good cargoes. A. Kleiman. Mor. flot 24 no. 6:6-8 S '64.

## SHIPS—EQUIPMENT AND SUPPLIES

A new method of rigging coupled booms for work in the "telephone-type" arrangement. V. Smirnov. Mor. flot 24 no. 9:26-27 S '64

Supporting Captain N. Shaikhutdinov's proposals. S. Rudnitskii. Mor. flot 24 no. 9:14 S '64

Tikhomirov, N. A. [Theory and equipment of a ship for inland navigation] Teoriia i ustroystvo sudna vnutrennego plavaniia. Moskva, Transport, 1965, 273 p.

## SHIPS—HYDRODYNAMICS

Approximate determination of the coefficient of lifting force of a rectangular plate of small length when it is moving in a circle. A. L. Fonarev. Trudy Kal. tekhn. inst. ryb. prom. i khoz. no 14:111-118 '62.

How to use the manual on the heritral characteristics of ships and boat trains. N. Solarev. Rech. transp. 24 no. 3:61 '65

## SHIPS—MAINTENANCE AND REPAIR

(see also subdivision under Kuybyshev; Odessa)

Current problems in organizing technical shore service for ships. S. Belianin. Rech. transp. 24 no. 4:29-30 '65.

Develop centers for the repair of ships without docking. M. Fain. Mor. flot 24 no. 9:26-30 S '64

Improve the establishing of work norms. O. Iarosh. Rech. transp. 24 no. 4:26-29 '65.

Overall mechanization of fitting operations in ship repair. V. Mardenski. Rech. transp. 24 no. 3:34-35 '65

Practices in the docking of ships. A. Trubin. Mor. flot 24 no. 6:43-44 S '64.

## SHIPS—MODELS see subdivision under White Russia

## SHIPS—PAINTING

Iekra, E. V., E. P. Kutsyalova, and B. P. Favorov. [Painting operations in shipbuilding] Mal'arnye raboty v sudostroenii. Leningrad, Sudostroenie, 1965, 237 p.

## SHIPS—WELDING

Welding machines for ships. I. Ivashkin. Mor. flot 24 no. 6:14 S '64

## SHIPS, ALUMINUM

Aluminum rivercraft. S. Kutazov. Rech. transp. 24 no. 4:60-63 '65

## SHIPS, ELECTRICITY ON see Electricity on ships

## SHIPWRECKS see subdivision under Vanikoro Island

## SHIPYARDS

(see also subdivision under Gorodets, Gorkiy Province)

Develop centers for the repair of ships without docking. M. Fain. Mor. flot 24 no. 9:26-30 S '64.

## SHIPYARDS—EQUIPMENT AND SUPPLIES

Reconstruction of the ship of the "40th Anniversary of the October" Shipyard. M. Kirukhin. Rech. transp. 24 no. 4:34-35 '65.

## SHIPYARDS—HEATING AND VENTILATION see subdivision under Leningrad

## SHIPYARDS—MANAGEMENT

In the Board of the Ministry of the River Fleet. Rech. transp. 24 no. 4:56 '65

## SHIRVAN STEPPE—OIL WELLS—ACIDIZATION

Using non-drainage hydrochloric acidization of injection wells of the Oil Well Administration of the Shirvan Petroleum Trust. M. G. Akhmedov, A. N. Guseinov, G. I. Nabiev. Nefteprom. delo no. 2:18-20 '65.

## SHKARLETOVA, MARIA SAVEL'EVNA

Example of the brave and strong I. Zlotkin. Voen. znani. 41 no 5:30 My '65

## SHMUL'IAN, VITOL'D L'VOVICH, 1915-1944

Vitol'd L'vovich Shmul'ian; on the 50th anniversary of his birth and the 20th anniversary of his death M. G. Krein. Usp. mat. nauk 20 no 2:131-133 Mr-Apr '65.

## SHOCK

Anesthesia and reanimation in severe shock and terminal states P. K. D'achenko. Vest. khir. 93 no. 12:66-74 D '64

Comparison of changes in carbohydrate metabolism and oxygen regimen of the liver in traumatic shock and stable hypotension R. L. Goglozha, S. A. Selezne. Bul. eksp. biol. i med. 59 no. 4:33-34 Ap '65

Early stages of myocardium changes in an experimental orthostatic collapse. B. M. Ariel'. Dokl. AN SSSR 161 no. 4:952-954 Ap '65

Effect of prophylactic antishock complex on changes in the mass of circulating blood and sensitivity to hemorrhage following a trauma. K. A. Gertut. Pat. fiziol. i eksp. terap. 9 no. 2:72 Mr-Apr '65

Electro-oscillographic examination of peripheral arteries in myocardial infarct complicated with collapse I. M. Kakhnovskii. Sov. med. 28 no 1:20-27 Ja '65.

Experience in the use of polyvinyl in the treatment of traumatic shock G. A. Pokrovskii. Voen.-med. zhur. no. 7:20-23 '64

Pathogenetic treatment of shock. B. K. Osipov, N. A. Iakovlev. Trudy TSU 66:247-257 '64

Traumatic shock; results of a discussion. M. I. Shraiber. Voen.-med. zhur. no. 7:7-12 '64

## SHOCK ABSORBERS

Characteristics of the design of single-tube shock absorbers of a suspension. A. D. Derbaremdiker. Avi. prom. 31 no. 5:20-24 My '65.

## SHOCK TUBES

Spectroscopic studies on the electromagnetic shock tube IU. V. Makarov, A. M. Maksimov. Zhur. tekhn. fiz. 35 no 4:658-666 Ap '65.

Structure of shock waves in an electromagnetic shock tube IU. V. Makarov, A. M. Maksimov. Zhur. tekhn. fiz. 35 no 4:650-657 Ap '65.

## SHOCK WAVES

Low velocity detonation of nitroglycerin. I. M. Voskoboinikov, A. V. Dubovik, V. K. Bobolev. Dokl. AN SSSR 161 no. 5:1152-1155 Ap '65.

Mechanism of high-temperature methane oxidation in shock waves. V. V. Voevodskii, R. I. Soloukhin. Dokl. AN SSSR 161 no. 5:1118-1120 Ap '65.

Parameters of shock waves in a partially ionized gas. S. A. Kaplan, T. S. Podstrigach. Astron. zhur. 42 no. 3:552-558 My-Je '65

Polymerization in a shock wave G. A. Adadurov and others. Vysokom. soed. 7 no 1:180 Ja '65.

Structure and detonation mechanism of heterogeneous systems. V. F. Kornov, Ia. K. Troshin. Dokl. AN SSSR 162 no. 4:133-135 My '65.

Structure of shock waves in an electromagnetic shock tube. IU. V. Makarov, A. M. Maksimov. Zhur. tekhn. fiz. 35 no. 4:650-657 Ap '65

Structure of shock waves in nonlinear transmission lines with accelerated excitation of the internal degrees of freedom. A. M. Belintsev, A. V. Gaponov, G. I. Freidman. Zhur. tekhn. fiz. 35 no. 4:900-904 Ap '65

Structure of the front of electromagnetic shock waves in transmission lines with nonlinear parameters. A. M. Belintsev, A. V. Gaponov, G. I. Freidman. Zhur. tekhn. fiz. 35 no. 4:877-889 Ap '65

Thermal ionization of the ionosphere by the shock wave from the Tunguska explosion in 1908. A. V. Zolotov. Geomag. i aer. 5 no. 3:554-556 My-Je '65.

## SHOE INDUSTRY see subdivision under Middle Volga Economic region

## SHOE INDUSTRY—ACCOUNTING see subdivision under Ukraine; White Russia

## SHOE MACHINERY

Analysis of the optical parameters for the control of shoe part position by the surface properties. G. A. Plakotskii, L. F. Sermitikhina. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 2:140-151 '65.

Comparative analysis of feeder loading systems for shoe parts. S. S. Valdimovskii, G. A. Plakotskii. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:124-139 '65

Machine for lagging the toe of welt and cemented footwear. Z. S. Karasik. Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:40-41 Mr '65.

## SHOE MANUFACTURE

Application of vacuum in the moistening of leather shoe parts V. P. Skverik, N. N. Zagorodnina, A. G. Kucherenko. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 2:96-104 '65.

## SHOE MANUFACTURE (Continued)

- Dynamic characteristics of convection dryers in shoe manufacture A S Sergeev, V M Bondai' Izv vys ucheb zav , tekhn. leg prom no 2:132-154 '65
- Experimental shoe manufacture with the use of plastic Blot tekh -ekon inform. Gos nauch -issl inst nauch i tekhn. inform 18 no 2:9 F '65
- Methodology for designing the technological process of shoe assembly E M. Ostrovitianov, I. P. Zybin Izv vys ucheb zav , tekhn. leg prom no 2:89-97 '65
- Plotting the mathematical models for linear programming in the planning of materials cutting Report No 1 K V Sasnauskas, I. P. Sybin Izv vys ucheb zav , tekhn. leg prom no 2:16-21 '65

## SHOEMAKERS—EDUCATION AND TRAINING

- Organization of the workshop and intraplanet schools A Kameneva Prof -tekhn obr 22 no 4:28-29 Ap '65.

## SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1905-

- Anercense to truth, performance of "Virgin land upturned" in the theater IA Bilinkis Vop lit 9 no 4:16-30 Ap '65
- At the beginning of the road: Mikhail Sholokhov and the "Young guard" V V. Gura Izv AN SSSR Ser lit i naz 24 no 2:105-117 Mi-Apr '65
- "Audacity of a great artist" G. L'vova Vop lit. 9 no 1:31-35 Ap '65
- Characteristics of psychological analysis in Sholokhov's novel "And quiet flows the Don" L F Kiseleva Izv AN SSSR Ser lit i naz 24 no 2:118-128 Mi-Apr '65
- Destiny of an artist is the destiny of a people Viktor Petelin Otkladr' 41 no 5:165-188 My '65
- Evolving word V Gura Vop lit 9 no 1:3-10 Ap '65
- More about Melekhov F Biriukov. Nov mir 41 no 5:236-250 My '65
- Poet of working people I I. Kamenko Sem'ia i shkola 20 no 5:34-35 My '65
- The writer put on his overcoat. I. Shakhlova, Voen znan 41 no 6:11 Je '65

## SHOOTING

- (see also subdivision under Kiev; Tashkent)
- Comparative evaluation of the effect of various factors on the statistics of bullet marksmen V V. Putov, R V Balovskia, A IA. Steplina Teor i prikl. fiz. kul't 27 [i.e. 28] no 5:47-53 My '65
- Fear of a shot, how does one fight with it? V. Chulitski Voen znan 41 no 5:40-41 My '65
- Keep it that way, Misha! V. Poinov. Voen znan. 31 no 6:41 Je '65
- Reaction speed. N Medvedeva Voen znan 31 no 3:38-39 Mr '65.
- The requirements increased. N Kreps. Voen. znan. 41 no 5:39 Je '65
- School of young people N. Saiychev Voen. znan. 31 no 3:38-39 Mi '65
- Sport of the millions Voen znan. 31 no 6:1-2 Je '65.

## SHOOTING CONTESTS

- So that there may be more sports fans... K Dubrovln. Voen znan 41 no 5:40 My '65

## SHORE PROTECTION see subdivision under Volga-Baltic Sea Waterway

## SHORTHAND

- Mathematical shorthand Nar khoz Kazakh 23 no 4:70 Ap '65

## SHREWS see subdivision under Sakhalin

## SHRIMPS see subdivision under Prithof Islands

## SHTRAUKH, MAKSYM MAKSYMOVICH, 1900-

- Shakhov, G. A. Maksim Maksimovich Shtraukh. [Moskva] Vseros. teatr, ob-vo, 1964. 315 p. (NIC)

## SHUBIN, ANATOLII EFIMOVICH, 1913-

- Shubin, A. E. [Anatolii Efimovich Shubin, Honored Artist of the Moldavian S.S.R.] Anatolii Efimovich Shubin, zaslužhennyi detale' iskustv Moldavskoi SSR [Kishinev, Karta moldovenaske, 1964] 20 p. illus.

## SHUBIN, FEDOT IVANOVICH, 1740-1805

- Lazareva, O. P. Fedot Ivanovich Shubin, Leningrad, Khudozhnik RSFSR, 1964. 43 p. illus., plates. (Narodnala bibliotekha po iskustvu) (Mh)

## SHULEIKIN, VASILII VLADIMIROVICH, 1895-

- Seventieth birthday of Academician V. Shuleikin. S. V. Koboklonskii, G. E. Kononova. Izv AN SSSR Fiz atm i okeana 1 no 2:236-238 r '65

## SHUMSHU ISLAND—GAME AND GAME BIRDS

- Game mammals of the Paramushir and Shumshu Islands and possibilities for the increase in their numbers M. A. Lavov, V G. Vorodov, E. I. Evdokimov. Trudy Sakh kompl nauch.-issl inst AN SSSR no. 14:39-47 '65

## SHUSHENSKOYE (KRASNOYARSK TERRITORY)—LIBRARIES

- Today in Shushenskoye. A Sredkina. Bibliotekar' 42 no. 4:10-11 Ap '65.

## SIALIC ACIDS

- Content of sialic acid in lacrimal and salivary secretions in dogs during conditioned and unconditioned stimulations. F. S. Kupalov, I A. Lapina Zhur. vys nerv deat. 15 no. 2:311-317 Mr-Apr '65.

## SIBERIA—BORON

- Boron mineralization in one of the regions in Siberia. I. A. Chernenko Trudy SNIIGIMS no 35:182-189 '64

## SIBERIA—CLAY

- Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki [Clays and clay minerals of Siberia] Gliny i glinity mineraly Sibiri Moskva, Nauka, 1965. 131 p.

## SIBERIA—CUTWORMS

- Causes of the outbreak and disappearance of the cutworm Hadena sordida Blsh invasion in virgin regions of Kazakhstan and Siberia T G Grigor'eva Trudy Vses ob-va 50:146-161 '65

## SIBERIA—FOREST NURSERIES

- Shirskala, M. N. [Siberian pine plantations in the mountain forests of Siberia] Kul'tury kedra sibirskogo v gornykh lesakh Sibiri. Moskva, Lesnala promyshlennost', 1964. 98 p. (DNAL)

## SIBERIA—FROZEN GROUND

- Speed of cutting and the wear of the elements of cutting parts in frozen ground. N. N. Gorushkin Trudy STI 37:15-23 '64
- Wear of steel as a function of the adherence of abrasive mineral particles to frozen ground N N Gorushkin Trudy STI 37:3-14 '64

## SIBERIA—GAS FIELDS

- Oil and gas fields of Siberia. G. V. Bagirian and others. Neftegaz. geol i geofiz no 1:4-9 '65

## SIBERIA—GEOLOGY, STRATIGRAPHIC

- Domokidov, K. K., and N. P. Lazarenko. [Stratigraphy of the Upper Pre-Cambrian and Cambrian and the Lower Cambrian trilobites in the northern part of central Siberia and the islands of the Soviet Arctic] Stratigrafia verkhnego dokembriia i kembriia i nizhnemekembriiskie trilobity severnoi chasti Srednei Sibiri i ostrovov Sovetskoi Arktiki. Moskva, Nedra, 1964. 286 p. (Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy, no. 137)

## SIBERIA—HYDROELECTRIC POWER STATIONS

- Akademiia nauk SSSR. Sibirskoe otdelenie. Sibirskii nauchno-issledovatel'skii institut energitiki. [Methods of controlling ice at hydroelectric power stations in Siberia] Metody bor'by s ledovymi zatrudneneniami na gidrostantsiakh Sibiri. Novosibirsk, Red.-izd. otdel Sibirskogo otd-nia AN SSSR, 1965. 95 p.

## SIBERIA—ICE ON RIVERS, LAKES, ETC.

- Akademiia nauk SSSR. Sibirskoe otdelenie. Sibirskii nauchno-issledovatel'skii institut energitiki. [Methods of controlling ice at hydroelectric power stations in Siberia] Metody bor'by s ledovymi zatrudneneniami na gidrostantsiakh Sibiri. Novosibirsk, Red.-izd. otdel Sibirskogo otd-nia AN SSSR, 1965. 95 p.

## SIBERIA—INDUSTRIAL CAPACITY

- Economic problems of creating and mastering new enterprises in Siberia. P. Potemkin, G. Deviatov, V. Sorokin. Vop. ekon. no. 5:26-32 My '65.

## SIBERIA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

- Economic problems of creating and mastering new enterprises in Siberia. P. Potemkin, G. Deviatov, V. Sorokin. Vop. ekon. no. 5:26-32 My '65.

## SIBERIA—INDUSTRIES

- Pandakov, V. L. [New enterprises in the industrial economics of economic councils] Noveye predpriatia v ekonomike promyshlennosti sovetskikh. Novosibirsk, Red.-izd. otdel Sibirskogo otd-nia AN SSSR, 1964. 93 p. (MH)

## SIBERIA—LABOR AND LABORING CLASSES

- Siberians to V. I. Lenin, V. S. Poznanskii, Ist. SSSR 9 no. 2:96-107 Mr-Apr '65

## SIBERIA—LARCH

- Experimental unit for studying a simplified sawing of larch by sections of chain saws. N. P. Dingee, Trudy STI 37:51-62 '64.

## SIBERIA—OIL FIELDS

- Oil and gas fields of Siberia. G. V. Bagirian and others. Neftegaz. geol i geofiz. no. 1:4-9 '65

## SIBERIA—PEGMATITES

- Scorzalite from pegmatites in Siberia. G. P. Lugovskoi. Zap. Vses. min. ob-va 94 no. 2:212-217 '65.

## SIBERIA—PETROLEUM GEOLOGY

- Successes of Siberian prospectors. I. Morozov. Neftianik 8 no 5:23 My '63

## SIBERIA—PINE

- Shirskala, M. N. [Siberian pine plantations in the mountain forests of Siberia] Kul'tury kedra sibirskogo v gornykh lesakh Sibiri. Moskva, Lesnala promyshlennost', 1964. 98 p. (DNAL)

## SIBERIA—PLANTS, EFFECT OF TRACE ELEMENTS ON

- Trace elements in the biosphere and their use in agriculture and medicine of Siberia and the Far East N I Abshueva Agrobiotekhnika no 1:130-132 Ap '65

## SIBERIA—RAILROADS—TIES

- Problem of fastening logs to the frame of a tie cutting machine M I Bel'mach Trudy STI 37:70-77 '61

## SIBERIA—RESEARCH

- Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. [Some problems concerning the strengthening of the role of science in the building of communism, materials for a scientific and practical conference] O nekotorykh voprosakh ustlenia roli nauki v shtatel'stve kommunizma, materialy k nauchno-prakticheskoi konferentsii. Novosibirsk, 1965. 226 p.

## SIBERIA—REVOLUTION, 1917-1921

- Session on the prerequisites for the socialist revolution and establishment of the Soviet regime in Siberia. L. M. Gorushkin. Ist. SSSR 9 no 1:273-226 Ja-F '65.

## SIBERIA—SCORZALITE

- Scorzalite from pegmatites in Siberia. G. P. Lugovskoi. Zap. Vses. min. ob-va 94 no. 2:212-217 '65

## SIBERIA—SPRING

- Spring in central Siberia N. F. Reimera, Priroda 54 no 5:126-127 My '65.

## SIBERIA—TRILOBITES

- Domokidov, K. K., and N. P. Lazarenko. [Stratigraphy of the Upper Pre-Cambrian and Cambrian and the Lower Cambrian trilobites in the northern part of central Siberia and the islands of the Soviet Arctic] Stratigrafia verkhnego dokembriia i kembriia i nizhnemekembriiskie trilobity severnoi chasti Srednei Sibiri i ostrovov Sovetskoi Arktiki. Moskva, Nedra, 1964. 286 p. (Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy, no. 137)

## SIBERIA, EASTERN—ECONOMIC CONDITIONS

- The cities of Eastern Siberia and the distribution of production forces. T. G. Morozova. Vech. bred. shkola 8 no. 2:72-74 Mr-Apr '65.

## SIBERIA, EASTERN—GLASS MANUFACTURE

- High-grade, ground feldspar raw material for the industry of the eastern parts of the country V. V. Koryaz. Stek i ker 22 no 1:19-14 Ap '65.

## SIBERIA, EASTERN—PARASITES—SQUIRRELS

- Helminths of squirrels of Eastern Siberia. A. M. Petrov, M. G. Balanov. Nauch dokl. vys shkoly, biol. nauki no 2:18-21 '65.

## SIBERIA, EASTERN—WORMS, INTESTINAL AND PARASITIC

- Helminths of squirrels of Eastern Siberia. A. M. Petrov, M. G. Balanov. Nauch dokl. vys shkoly, biol. nauki no. 2:18-21 '65.

## SIBERIA, EASTERN—YUKAGHIR

- Spiridonov, Nikolai. [In the Far North] Na Kraimom Severo. Iakutsk, Iakutskoe knzhnoe izd-vo, 1959. 106 p. (Publ. under his pseud. Tseli Oduki) [MICROFILM]

## SIBERIA, WESTERN—AGRICULTURE

- Some results of land cultivation in Western Siberia in the 10th century. M. M. Gromyko Ist. SSSR 9 no. 2:55-72 Mr-Apr '65.

## SIBERIA, WESTERN—COMMUNICABLE DISEASES

- History of infectious disease control in Western Siberia in the 10th and the first half of the 10th century. B. N. Palkin Zhur. mikrobiol., epid i immun 42 no. 4:151-155 Ap '65.

## SIBERIA, WESTERN—CONIFERAE—DISEASES AND PESTS

- Krivolutskaya, G. O. [Stem-mining pest in dark-green conifer forests of Western Siberia damaged by the tent caterpillar Dendrolimus sibiricus] Skryzhiatvolovye vrediteli v temnokhozhnykh lesakh Zapadnoi Sibiri, povrezhdennykh sibirskimi shelopriadam. Moskva, Nauka, 1965. 127 p. (DNAL)

## SIBERIA, WESTERN—GAS INDUSTRY

- Building an oil and gas producing center in Western Siberia is a most important national economic problem. Neftegaz. geol i geofiz. no 1:3-4 '65.

**SIBERIA, WESTERN—GRAIN—FERTILIZERS AND MANURES**

Determining nitrogen fertilizer requirements of grain crops in Chernozem soils of Western Siberia. A. F. Kochergin. Dokl. Akad. nauk SSSR no. 2-5-8 F '65

**SIBERIA, WESTERN—LABOR AND LABORING CLASSES**

The number and structure of the industrial proletariat of Western Siberia on the eve of the Great October Socialist Revolution. G. K. Volkova. Vest. LGU 20 no. 8-25-38 '65

**SIBERIA, WESTERN—NATURAL RESOURCES**

Complete utilization of natural resources of Western Siberia and biology. B. G. Isganzen, G. V. Klyov. Nauch. dokl. vyssh. shkoly, biol. nauki no. 2-7-13 '65

**SIBERIA, WESTERN—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES**

Using Mi-6 helicopters to transport drilling equipment in Western Siberia. D. E. Kazakov, V. E. Marmylev. Burenie no. 3:20-23 '65

**SIBERIA, WESTERN—PETROLEUM GEOLOGY**

Lithological variability of reservoir rocks according to bed thickness based on a study of Western Siberia. E. G. Sorokina. Neftgaz geol. i geofiz. no. 1:18-23 '65

**SIBERIA, WESTERN—PETROLEUM INDUSTRY**

Building an oil and gas producing center in Western Siberia is a most important national economic problem. Neftgaz geol. i geofiz. no. 1:3-4 '65

**SIBERIA, WESTERN—TENT CATERPILLARS**

Krivolutskaya, G. O. [Stem-mining pest in dark-green conifer forests of Western Siberia damaged by the tent caterpillar *Dendrolimus sibiricus*] Skrytostvolovye vrediteli v tenokhozykh lesakh Zapadnoi Sibiri, povrezhdennykh sibirskimi shelkopitadom. Moskva, Nauka, 1965, 127 p. (DNAL)

**SIBERIA, WESTERN—TICKS AS CARRIERS OF DISEASE**

Ecology and distribution of ticks *Ixodes apronophorus* P. Sch. in Western Siberia as related to their role in carrying tularemia. V. I. Aitfanov. Zool. zhur. 44 no. 2:291-294 '65

**SIBERIA, WESTERN—TULAREMIA**

Ecology and distribution of ticks *Ixodes apronophorus* P. Sch. in Western Siberia as related to their role in carrying tularemia. V. I. Aitfanov. Zool. zhur. 44 no. 2:291-294 '65

**SIBERIAN PLATFORM—GEOLOGY, STRUCTURAL**

Characteristics of the tectonic development of the Olenok highland in the Late Pro-Cambrian. B. N. Leonov, I. M. Bittelman, L. M. Natopov. Dokl. AN SSSR 161 no. 5:1173-1176 Ap '65

**SIBERIAN PLATFORM—PETROLEUM GEOLOGY**

Morphology and possible genesis of the local uplifts of the Tunguska syncline. I. P. Mironchev. Neftgaz geol. i geofiz. no. 1:24-28 '65

**SIBERIAN PLATFORM—ROCKS, IGNEOUS**

Middle Paleozoic trap formation in the Siberian Platform. V. L. Maslitskiy. Dokl. AN SSSR 162 no. 3:636-639 My '65

**SIDERITE** see subdivision under Minusinsk Basin**SIEMENS-MARTIN FURNACE** see Open-hearth process**SIEROZEM**

Development of a new technology of cotton planting in light-colored Sierozem soils of Andizhan Province. M. Braginov. Shor. nauch. i obshch. nauch. nauch. no. 5:109-116 '61

**SIEVES**

New machinery. Stoi. i dar. mash. 8 no. 1:27-28 Ja '63

Optimization of the process of separating grain mixtures on sieves. V. D. Shepovtsov, A. G. Puzanov. Trakt. i sel'khoz. mash. no. 3:17-20 Mr '65

**SIGNAKHI REGION (GEORGIA)—LANDSLIDES**

Landslides and mountain cave-ins in the vicinity of the city of Signakhi and measures to control them. G. Z. Chengashvili. Trudy Inst. geog. AN Gruz. SSR 20:47-64 '64

**SIGNALS AND SIGNALING**

Sound signaling in the river fleet. G. Filippov. Rech. transp. 24 no. 3:50 '65

**SIKHOTE-ALIN RANGE—LOPARITE**

Loparite, a new accessory mineral of nepheline syenites in the Sikhote-Alin Range. A. A. Tolok, F. V. Bazhenova. Zap. Vses. min. ob-va 94 no. 2:217-219 '65

**SIKHOTE-ALIN RANGE—NEPHELINE SYENITE**

Loparite, a new accessory mineral of nepheline syenites in the Sikhote-Alin Range. A. A. Tolok, F. V. Bazhenova. Zap. Vses. min. ob-va 94 no. 2:217-219 '65

**SILAGE**

Effect of moisture and nutrition conditions on the yield of white clover grown for silage. A. Muminov. Spor. nauch. rab. na Spets. NIKH no. 5:100-108 '61

Use of corn silage in intensified dairying. V. N. Bakanov and others. Izv. TSEHA no. 5:178-186 '61

**SILAGE-HANDLING MACHINERY**

Equip the silage harvesting combine with a low cutter attachment. A. Chuganov. Tekhn. v sel'khoz. 26 no. 4:90 Ap '65

**SILANE**

Addition of triorganosilanes to vinyl ethynyl- $\alpha$ -furylcarbinol. S. I. Sadykh-Zade, R. Sultanov, B. A. Mamedova. Dokl. AN Azerb. SSR 21 no. 2:23-27 '65

Exchange decomposition reaction between alkyl (aryl) trisodiumhydroxy-silanes and methylphenyldichloro-silane. M. B. Bromberg and others. Izv. AN SSSR, Ser. khim. no. 4:660-665 '65

Fluorimetric determination of titanium in silicon dioxide and high-purity chlorosilane using rhodamine 6G. I. P. Ailmarin and others. Zhur. anal. khim. 20 no. 3:330-332 '65

Monorganosilanes. Part 4: Reactivity of monorganosilanes in the reaction with monocarboxylic acids. V. O. Reikhsfel'd, V. A. Frokhnova. Zhur. ob. khim. 35 no. 4:693-697 Ap '65

Photochemical chlorination of trifluoropropylchlorosilanes and the synthesis of unsaturated trifluoroalkylchlorosilanes. M. A. Sadina, V. A. Ponomarenko. Izv. AN SSSR, Ser. khim. no. 1:654-659 '65

Polymerization of vinylsilanes in the presence of metallic lithium. N. S. Nemetkin, S. G. Dugarian, V. S. Khotimskiy. Vysokom. soed. 7 no. 1:181 Ja '65

Reaction of the ethyldiols of methylphenyldichlorosilane with methyl- and ethyldichlorosilanes. K. A. Andrianov and others. Zhur. ob. khim. 35 no. 4:508-700 Ap '65

Substitution chlorination of phenyltrimethylsilane. G. V. Molosheva and others. Zhur. ob. khim. 35 no. 4:756-757 Ap '65

Synthesis and stability of some furysilanes. D. M. Shopov, S. S. Djanov, N. S. Nemetkin. Dokl. AN SSSR 161 no. 5:1100-1109 Ap '65

Transformation of  $\beta$ -(*n*-ethylamino)-ethylsilanes at elevated temperatures in the presence of nucleophilic and electrophilic reagents. N. S. Nemetkin, I. A. Grusheva, V. N. Porchenko. Dokl. AN SSSR 162 no. 2:347-349 My '65

**SILANETRIOL**

Exchange decomposition reaction between alkyl (aryl) trisodiumhydroxy-silanes and methylphenyldichloro-silane. M. B. Bromberg and others. Izv. AN SSSR, Ser. khim. no. 4:660-665 '65

**SILANOL**

Intraglobular and surface silanol groups of silica gels obtained by the hydrothermal method. V. M. Chertov and others. Dokl. AN SSSR 161 no. 5:1149-1151 Ap '65

**SILAZANES**

Reactions of dimethylcyclosilazanes with *n*-butyl alcohol and *n*-butyl borate. K. A. Andrianov and others. Izv. AN SSSR, Ser. khim. no. 3:416-449 '65

**SILICA**

Silica in the underground waters of some foreign countries. G. V. Bogomolov, G. N. Plotnikova, E. A. Titova. Dokl. AN SSSR 9 no. 2:105-107 F '65

**SILICATES**

Consolidating road soils by silicate slag and silicate slime binders. A. V. Betanush. Trudy STI 37:41-50 '64

An explanation of the constitution of silicates. D. F. Grigor'ev. Dokl. AN SSSR 161 no. 5:1400-1403 Ap '65

Luminescence with a silicate base and radiation in the ultraviolet band of the spectrum. A. A. Kolpakova, F. M. Pekerman. [Trudy] GIPKII no. 51:85-86 '64

Outlines of structural mineralogy. Part 15. N. V. Belov. Min. sbor. 18 no. 1:5-15 '64

**SILICOMOLYBDATES**

Extraction of heteropolymolybdates. Part 2: Compounds of phosphoro- and silicomolybdate complexes in their diluted solutions. I. F. Shkaravskii. Ukr. khim. zhur. 31 no. 1:94-100 '65

**SILICON—ELECTRIC PROPERTIES**

Mechanism underlying the nonequilibrium effect of the depletion of silicon of its majority current carriers. V. IE. Prymachenko, O. V. Snitko, V. V. Milenda. Ukr. fiz. zhur. 10 no. 4:388-397 Ap '65

Nonequilibrium effect of the depletion of silicon of its majority current carriers. V. IE. Prymachenko, O. V. Snitko, V. V. Milenda. Ukr. fiz. zhur. 10 no. 4:382-388 Ap '65

**SILICON CARBIDE**

Use of the theory of dislocations in studying friction and the wear of silicon carbide and corundum single crystals. M. I. Bohomolov, L. M. Novikova. Dop. AN URSR no. 5:577-579 '65

**SILICON—CHROMIUM ALLOYS** see Chromium-silicon alloys**SILICON CRYSTALS**

Method for measuring the microhardness of silicon crystals. I. D. Kuvshinov, I. I. Makhatadze. Soob. Gruz. SSR 37 no. 3:550-562 Mr '65

**SILICON CRYSTALS—GROWTH**

The transition from whisker type single crystals of silicon grown from the gaseous phase. A. V. Sandulova, I. M. Iamova, I. I. Zagonach. Fiz. tverd. tela 7 no. 1501-1582 My '65

**SILICON DIODES**

Reactive properties of silicon diffusion p-n junctions. G. B. Abdullayev, Z. A. Iskerdzade, E. A. Dzhafarov. Radiotekhnika i elektronika, 10 no. 4:776-778 Ap '65

**SILICON HYDRIDES**

Addition of arylfluorosilicon hydrides to styrene. D. A. Chernyshev, M. I. Dolgale, E. D. Lushchik. Izv. AN SSSR, Ser. khim. no. 4:650-654 '65

**SILICON-IRON ALLOYS** see Iron-silicon alloys**SILICON-MOLYBDENUM-CHROMIUM ALLOYS** see Molybdenum-silicon-chromium alloys**SILICON ORGANIC COMPOUNDS**

Disproportionation reaction used as a new method for synthesizing organosilicon polymers. Synthesis of polyphenylsiloxanes. K. A. Andrianov and others. Dokl. AN SSSR 162 no. 1:79-81 My '65

Foam damper on an organosilicone base for clay mud. A. I. Berezhnoi and others. Burenie no. 3:16-17 '64

Increase in the chemical stability of enamels by treatment with organosilicon compounds. O. O. Alent'ev and others. Dop. AN URSR no. 5:634-636 '65

Nuclear quadrupole resonance method of studying organosilicon compounds containing Si-Cl and C-Cl bonds. I. P. Birlukov and others. Dokl. AN SSSR 162 no. 1:130-132 My '65

Polymerization of 1,1,3,3-tetrafluoro-1,3-dimethylcyclobutane. N. S. Nemetkin, V. M. Vdovin, V. I. Zavalin. Dokl. AN SSSR 162 no. 4:824-826 Je '65

Polymerization of 3,4-bis(2-methyl-2-propenyl)-5-cyclopentene. N. S. Nemetkin and others. Dokl. AN SSSR 162 no. 3:655-658 My '65

Regularities in the addition reactions of polyacetylenes. Part 6: Course of reactions of the addition of hydrogen bromine and hydrogen bromide to trimethylsilyl-1,5-hexadiene. M. P. Forest, O. A. Muzovskaya, A. A. Petr. Zhur. ob. khim. 35 no. 4:707-712 Ap '65

Synthesis and properties of branched 8-hydroxy quino-titanium dimethylsiloxane oligomers. K. A. Andrianov, I. A. Lavrygin, I. U. A. Shvetsov. Zhur. ob. khim. 35 no. 1:689-693 Ap '65

Synthesis and transformations of oxygen-containing organic and organosilicon unsaturated compounds. I. Shklyev, B. G. Usadov. Dokl. AN Azerb. SSR 21 no. 10-23 '65

Synthesis of  $\alpha$ -allyl-substituted enols and related compounds. I. U. Baikov, G. S. Burachenko, I. F. Lutskov. Zhur. ob. khim. 35 no. 4:757-758 Ap '65

Synthesis of 1,1,3,3-tetra-substituted 1,3-dialkylcyclobutanes. N. S. Nemetkin and others. Izv. AN SSSR, Ser. khim. no. 5:929-930 '65

Synthesis of polyatomic organosilicon ether alcohols. K. A. Andrianov, L. I. Makarova. Dokl. AN SSSR 161 no. 4:833-835 Ap '65

Thermoxidative degradation of organosilicon coatings on a base of an ethyl- and methylhydrosiloxane liquid. A. A. Paschenko. Izv. vuz. khim. i tekhn. 7 no. 6:983-986 '64

**SILICON ORGANIC COMPOUNDS—PATENTS**

Seyevy, V. V., and E. G. Novitskii. [Synthesis of organosilicon oligomers and polymers and their stabilization; survey of foreign patents] Sintoz kremniorganicheskikh oligomerov i polimerov i ikh stabilizatsiya; obzor inostrannykh patentov. Moskva, TsNIIPI, 1964, 34 p. (Obzor inostrannykh patentov)

**SILICON ORGANIC COMPOUNDS—SPECTRA**

Nuclear quadrupole resonance of 1,1-dichloro and 1-methyl-1-chloro-1-silacyclobutanes. I. P. Birlukov and others. Dokl. AN SSSR 161 no. 6:1336-1338 Ap '65

**SILK MANUFACTURE** see subdivision under Kirghizst**SILKWORMS**

Nucleic acid content in the silk glands of mulberry silkworm (*Bombyx mori* L.) varieties differing in their productivity. P. Kuliyev. Izv. AN Turk. SSR, Ser. biol. nauk no. 1:70-74 '65

**SILOXANES**

Effect of oxygen compounds of phosphorus on siloxane polymers. V. D. Lobkov and others. Vysokom. soed. 7 no. 1:183-188 Ja '65

Radiation-induced polymerization of hexamethylcyclotrisiloxane in the solid phase. G. M. Trofimova and others. Dokl. AN SSSR 161 no. 4:882-885 Ap '65

Synthesis and polymerization of cyclotrisiloxanes containing heterocyclic radicals with a silicon atom. A. Zidanov and others. Dokl. AN SSSR 162 no. 2:335-339 My '65

Synthesis of  $\alpha$ , $\omega$ -dimethylarylsiloxypolydimethylsiloxane. D. M. Andreev, N. T. Usacheva. Zhur. ob. khim. 35 no. 4:756 Ap '65

**Electron-microscopic studies of sand colmatage** G. A. Kuprina, L. M. Sargeev Vest. Mosk. un. Ser. 4: Geol. 20 no. 2:87-89 Mr.-Ap '65

## LT—MICROBIOLOGY

**Survival of the agents of typhoid fever and paratyphoid A and B in artificially inoculated soil and silt** L. G. Gogol', N. G. Bushtueva, Trudy TSIU 68:82-84 '64

## VER—ANALYSIS

**Determination of microquantities of iron and silver by oxidation of pyrocatechol violet with potassium peroxy-sulfate** E. Jasinekiene, J. Birmantas, V. Rekiyte, Trudy AN Litv. SSR, Ser. B no. 3:81-90 '64

## VER—CADMIUM ALLOYS

**Electric contactors made of Ag-CdO and prepared by the method of internal oxidation** Stanislaw Stolarz, Porosh. met. 5 no. 1:94-105 Mr. '65

## VER—CADMIUM ALLOYS—METALLOGRAPHY

**Effect of cadmium on the intercrystalline self-diffusion of silver** T. K. Iatsenko, Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 20:165-170 '64.

## VER CATALYSTS

**Effects of oxygen chemisorption on silver and their variation in response to sulfur introduced at the surface** V. E. Ostrovskii, N. V. Kul'kova, Dokl. AN SSSR 161 no. 6:1375-1377 Ap '65  
**Variation in work function of electrodes in the adsorption of oxygen on a silver catalyst** L. A. Rudnitskii, N. V. Kul'kova, Dokl. AN SSSR 162 no. 3:617-620 My '65

## VER ELECTRODES see Electrodes, Silver

## VER PLATING

**Electrodeposition of silver at high current densities** G. A. Emel'ianenko, E. I. Balharova, Ukr. khim. zhur. 31 no. 1:37-41 '65

## VER SULFIDE

**Integral sensitivity of silver sulfide photocells** S. V. Nikonov, B. G. Borukhov, Trudy Inst. seism. stroi. i seism. 12:121-126 '64

## MAZINE

**Effectiveness of various amounts of simazine in corn fields under the conditions of dry farming** E. A. Amantaev, IU. P. Azhigov, Vest. sel'khoz. nauki [Kazakh.] 8 no. 4:10-19 Ap '65.

## MFEROPOL'—BREWING INDUSTRY

**Utilization of carbon dioxide in the Simferopol' Brewery** N. P. Shcherbakov, Fer. i spir. prom. 31 no. 3:37-38 '65.

## MFEROPOL'—CLERKS (RETAIL TRADE)

**Valentina Panova, commodity expert** S. Makarov, Sov. torg. 38 no. 5:35-37 My '65.

## MFEROPOL'—RUSSIAN SOCIAL DEMOCRATIC PARTY

**Unforgettable** I. T. Iakhnovskii, Vop. ist. KPSS 0 no. 6:101-107 Je '65

## MMENTHAL CATTLE

**Judging Simmental breeding cattle by the meat quality of offspring** E. N. Zaborovnyi, Trudy mol. uch. UASHN no. 9:5-9 '63.

**Relation between butterfat and protein in milk in the zootechnical evaluation of cattle** B. M. Benekhis, Trudy mol. uch. UASHN no. 9:10-13 '63.

## IMULATION METHODS

**Simulating the drawing process by means of electronic analog computers** A. Nemura, Trudy AN Litv. SSR, Ser. B no. 3:171-188 '64.

## NGAPORE—ECONOMIC CONDITIONS

**Economic difficulties of Singapore** Az. i Afr. seg. 8 no. 5:54-55 My '65.

## NGING—INSTRUCTION AND STUDY

**Komarovich, G. L.** [Practical advice for the beginning singer] Prakticheskie sovery nachinalushchemu pevtsu. Moskva, Muzyka, 1965. 42 p. (Biblioteka muzykal'nogo samooobrazovaniia)

## INTERING

**Assembling the structural elements of a sintering plant** N. Kozlova, V. Babich, Prom. stroi. i inzh. soor. 6 no. 2:5-7 Mr.-Ap '64.

**Burov, A. I., E. I. Shternberg, and V. L. Kanevskii.** [Automation of sintering plants in nonferrous metallurgy] Avtomatizatsiia aglomeratsionnykh tsekhov tsvetnoi metallurgii, [Moskva] Metallurgii, 1965. 187 p.

**Deformation and shrinkage of corundum during sintering** I. S. Kaimarskii, I. G. Orlova, E. V. Daglarava, Porosh. met. 5 no. 5:82-86 My '65.

**Determining the limits of shifting of the maximum temperature zone along the length of a sintering machine** A. G. Astekhov and others, Met. i gornorud. prom. no. 2:19-20 Mr.-Ap '65.

**Determining the time needed for reaching a given temperature under a refractory layer during sintering in various gaseous media** A. G. Kostoray, Porosh. met. 5 no. 5:76-81 My '65.

**Intensification of sintering charge firing and partial substitution of gas for solid fuel** D. A. Kissin, Metallurg 10 no. 3:3-5 Mr. '65

**Intensifying the sintering process** I. A. Shkharovich, Met. i gornorud. prom. no. 2:16-18 Mr.-Ap '65.

**Investigating the process of the formation of a metallic contact among powder particles during sintering by the electric conductivity method** G. I. Aksenov, E. M. Minaev, Porosh. met. 5 no. 5:35-38 My '65

**Organizing the assembly of the equipment of the Dzerzhinskii No. 2 sintering plant** N. Tsernitskii, Prom. stroi. i inzh. soor. 6 no. 2:8-9 Mr.-Ap '64

**Sintering of the Indian ore from the Rajgarh deposit** F. M. Kazanov, E. F. Vegman, S. K. Gupta, Izv. vys. uch. zav. , Chern. met. 8 no. 5:17-20 '65

**Some regularities in the sintering of niobium carbide** A. D. Panasuk, P. S. Kislyi, Porosh. met. 5 no. 4:18-24 Ap '65

**Thermodynamic analysis of the behavior of sulfur during the sintering of iron ores** I. S. Kulikov, G. M. Komissarov, Izv. AN SSSR, Met. no. 1:3-10 Ja.-F '65

**Wetting processes during the sintering of iron ores and concentrates** G. G. Efimenko, D. A. Kovalev, Izv. AN SSSR, Met. no. 1:11-17 Ja.-F '65

## SINTERING—COSTS

**Economizing on solid fuel by using gas in sintering operations** I. I. Rovenskii and others, Met. i gornorud. prom. no. 2:73 Mr.-Ap '65.

## SINTERING—EQUIPMENT AND SUPPLIES

**Automation of the exhaust section of a sintering plant** M. M. Kotrovskii, D. D. Kopelev, M. A. Brazhnikov, Met. i gornorud. prom. no. 2:72-73 Mr.-Ap '65.

**New design of mixer for the sintering of charge components** A. M. Stepanenko, Met. i gornorud. prom. no. 2:74 Mr.-Ap '65.

## SINTERING—STUDY AND TEACHING

**Intensification of the production of sinter** A. M. Vishnevskii, N. V. Fedorovskii, E. V. Puzovskii, Met. i gornorud. prom. no. 2:84 Mr.-Ap '65.

## SINTERING—TESTING

**Strength of porous iron during repeated alternating loading** V. T. Troshchenko, A. I. Krasovskii, Porosh. met. 5 no. 5:87-92 My '65.

## SIVASH—FOLDS (GEOLOGY)

**Hypsometry of the surface of the folded basement in the Crimean plain, Sivash region, Sivash region, and the Sea of Azov** V. E. Burakovskii, B. L. Gurevich, Geotektonika no. 1:126-128 Ja.-F '65

## SIZING (TEXTILE)

**Experience in the use of the KMT's preparation in the sizing of spun yarn** S. V. Antipin, Tekst. prom. 25 no. 4:32-33 Ap '65

**Possibility of using gumbrin for substituting part of the starch in sizes and thickeners** N. I. Dugin, Tekst. prom. 25 no. 4:54-56 Ap '65

**Use of a size with polyacrylamide for silk warp slashing** L. N. Grekhova, N. V. Belogintseva, Tekst. prom. 25 no. 4:35-36 Ap '65

**Use of acrylamide for warp sizing** P. A. Glubish and others, Tekst. prom. 25 no. 5:37-40 My '65

**Use of "carbaniol" mixtures with synthetic resins as starch substitute in permanent sizing** A. F. Ivanov, Tekst. prom. 25 no. 3:57-58 Mr. '65.

**Use of hydrodynamic vibrators for the preparation of emulsions and sizes** A. I. Dadunashvili, Tekst. prom. 25 no. 5:41-42 My '65

## SKALAT DISTRICT—STOCK AND STOCKBREEDING—ECONOMIC ASPECTS

**Economics of animal husbandry in a beet-growing district as exemplified by collective farms of the former Skalat District, Ternopol' Province** A. V. Fudiak, Trudy mol. uch. UASHN no. 9:103-108 '63.

## SKARNS

(see also subdivision under Gornaya Shoriya)

**Magnesian skarns at the contact between dolomites and nepheline syenites** G. V. Andreev, Dokl. AN SSSR 161 no. 4:936-939 Ap '65.

## SKIM MILK

**Improved manufacture of food products from skim milk** M. I. Kovalevskii, L. P. Ilushina, Khar. prom. no. 2:68-71 Ap.-Je '65

## SKIN

**Changes in the skin following thermal burns, a review of literature** L. B. Berlin, Ortop. i travn. i protez. 26 no. 2:75-82 F '65.

**Effectiveness of the immunization with live plague vaccine through scarified skin** M. M. Faibich, Zhur. mikrobiol. i epid. i immun. 41 no. 10:125-130 '64.

## SKIN—BLOOD SUPPLY

**Changes in cutaneous vessels caused by chemical stimulants in elderly and senile persons under the effect of treatment with generally stimulating substances** A. V. Kolesov and others, Vop. geront. i geriat. 4:94-99 '65.

## SKIN—CANCER

**Diagnosis of multiple idiopathic hemorrhagic sarcoma of the skin (Kaposi's sarcoma)** S. Z. Gotsikov, Khirurgia 41 no. 1:114-117 Ap '65.

**Primary dermatoplasty in the surgical treatment of skin cancer** N. N. Blokhin, A. T. Abbasov, Vest. khir. 91 no. 2:71-71 F '65.

## SKIN—DISEASES

**Cutaneous and gastrointestinal eruptions in abdominal purpura** Kh. I. Feldman, R. I. Zabara, Vest. khir. 92 no. 6:83-87 Je '64

**Cutaneous doses received by patients exposed to various examinations in X-ray diagnosis** B. A. Barnshteyn, D. A. Rabinovich, Voen.-med. zhur. no. 11:72-74 '64

**Eczema and eczematoid skin diseases** RU. IA. Ashmarin, Voen.-med. zhur. no. 7:33-39 '64.

**Results of using juglone in neurodermatitis** K. A. Telegina, Sov. med. 28 no. 5:110-113 My '65

## SKIN—TUMORS

**Adenomyoepitheliomas of the skin** A. V. Gubareva, Arkh. pat. 27 no. 2:32-37 '65

**Eccrine spiradenoma of the skin** A. K. Apatenko, Arkh. pat. 27 no. 2:25-32 '65

## SKIN—WOUNDS AND INJURIES

**Stimulation of the regeneration processes of the skin** E. V. Kadilov, A. A. Ovespian, Arkh. anat., gist. i embr. 46 no. 4:38-41 Ap '64.

## SKIN GRAFTING

**Cultivation of skin tissues in a denervated area of the body** Z. S. Khlystova, E. Kh. Abdashitova, Arkh. pat. 27 no. 5:89-93 '65

**Hemostatic effectiveness of Lagochilys tincture in dermatoplasty in turns** A. Kh. Khaidarov, S. A. Mul'lakandov, Vest. khir. 92 no. 6:109-110 Je '64.

**Methods of skin grafting in contractures and clonities following burns** T. E. Gailorybov, V. F. Gusev, Ortop. i travn. i protez. 26 no. 1:45-47 Ja. '65.

**"Post stamp" forms in free dermatoplasty** V. I. Kilanov, E. I. Paris, Vest. khir. 92 no. 8:111-112 Je '64

**Primary dermatoplasty in the surgical treatment of skin cancer** N. N. Blokhin, A. T. Abbasov, Vest. khir. 94 no. 2:71-74 F '65.

**Study of electrical parameters of the skin preserved by deep freezing** E. V. Burlakova, E. A. Karagullian, O. R. Kol'ba, Izv. AN Arm. SSR, Biol. nauki 18 no. 2:50-72 F '65.

**Two successful cases of autoplasty in radiation ulcers using free skin grafts** I. I. Antonov, Med. rad. 9 no. 7:20-22 Ji '64.

## SKIS AND SKING

**Sawing logs in ski tracks** A. I. Ivanov, Der. prom. 14 no. 4:23-24 Ap '65

## SKULL—FRACTURE

**Depressed fractures of the cranial vault in children** V. B. Izvekova, Vest. khir. 92 no. 6:87-92 Je '64

**Methodology of X-ray examination of the skull in the acute phase of cerebrocranial trauma** M. V. TSyvkina, Voen.-med. zhur. no. 6:61-62 '64.

**Rare case of combined injury to the anterior paranasal regions of the skull and brain** A. N. Solomin, Voen.-med. zhur. no. 6:60-61 '64.

## SKYHOOKS see Mine roof bolting

## SLAG

**Causes of converter slag frothing during nickel matte processing** V. A. Vorob'ev, TSvet. met. 30 no. 4:39-40 Ap '65.

**Characteristics of blast furnace operation in the making of alumina slag from bauxite** N. F. Lomaka and others, Metallurg 10 no. 3:6-9 Mr. '65

**Container glass on a blast furnace slag basis** I. I. Kitaigorodskii, S. V. Petrov, Stek. i ker. 22 no. 4:3-5 Ap '65.

**Gas penetrability and the sorption properties of slags** V. A. Kalmykov, P. IA. Ageev, Izv. vys. uch. zav. , Chern. met. 8 no. 5:20-33 '65.

**Manufacturing firebrick from slag and its use in the checkerwork of open-hearth furnace heat regenerators** Zh. A. Vydrina, Ogneupoiy 30 no. 5:10-10 '65.

**Mechanical removal of slag from the steam boiler room** V. F. Trufanov, IU. F. Savenko, Ugol' Ukr. 0 no. 4:38 Ap '65.

**Production of foamed slag pumice "thermoizit"** A. G. Romanenko, Metallurg 10 no. 3:10-11 Mr. '65.

**Production of rich titanium slag from an azide concentrate** E. E. Movsasov and others, Met. i gornorud. prom. no. 2:48-50 Mr.-Ap '65.

**Using wear-resistant slag casting** I. S. Ziltser, V. A. Litvin, P. P. Panushkin, Gor. zhur. no. 3:51-52 Mr. '65.

## SLAG—ANALYSIS

**Hydrogen diffusion in basic steelmaking slags** G. S. Ershov, Izv. AN SSSR, Met. no. 1:78-81 Ja.-F '65.

**Results of plant tests on the deep removal of impurities from sodium silicate slags** N. I. Utkin and others, TSvet. met. 38 no. 4:41-45 Ap '65.

## SLAG—TESTING

Role of the gaseous phase with diffusion of phosphorus in molten oxides. V. A. Grigorian, B. S. Bokstein, L. B. Bodretsova. *Izv. vys. ucheb. zav., chem. met.* 8 no. 5:9-11 '65.

Studying the process of titanium slag oxidation. N. A. Vasilutskii, E. E. Movsesov. *Izv. AN SSSR Met.* no. 1:82-87 Ja-F '65.

## SLAUGHTERING AND SLAUGHTERHOUSES

Reducing meat and fat losses during the pre-slaughtering holding of cattle. F. O. Shtun' Kha. *prom.* no. 2:34-37 Ap-Je '65.

## SLAUGHTERING AND SLAUGHTERHOUSES—BY-PRODUCTS

Correct method for blood separation. P. Mal'ufin, E. Bellae, Mias. *Ind. SSSR* 36 no. 2:10-12 '65.

Efficient method for catching the products of spray drying. N. Fedorov, B. Filipenko, Mias. *Ind. SSSR* 36 no. 2:12-13 '65.

New workshops for the production of dried feeds. M. Blagochinov, E. Afilan, Mias. *Ind. SSSR* 36 no. 2:31 '65.

SLAVERY see subdivision under Africa; Babylonia

SLAVIC FOLKLORE see Folklore, Slavic

## SLAVIC LANGUAGES

The Sector of Slavic Linguistics. G. K. Benediktov. *Sov. slav.* no. 1:111-115 '65.

## SLAVIC LANGUAGES—MAPS

Results of the work on the Slavic linguistic atlas, 1958-1964. R. I. Avanesov. *Sov. slav.* no. 1:16-54 '65.

## SLAVIC LITERATURE—HISTORY AND CRITICISM

The Slavic Renaissance. L. Pinski. *Vop. lit.* 9 no. 4:223-226 Ap '65.

## SLAVIC STUDIES

Chernovtsy Conference of Slavists. S. Balza. *Vest. Mosk. un. Ser. 7: Filol., zhur.* 20 no. 2:92-93 Mr-Apr '65.

A conference on the problem: "The genesis of capitalism, the nationalist movement and the development of national culture in the Slavic countries." N. P. Danilova. *Sov. slav.* no. 1:111-112 '65.

Editorial. *Sov. slav.* no. 1:3-8 '65.

## SLAVS

(see also subdivision under Austro-Hungarian Monarchy)

The group studying Slavic-German relations. T. A. Vozdvizhenskaya. *Sov. slav.* no. 1:113-114 '65.

The Sector of the History of Slavic Nations Abroad During the Period of Feudalism and Capitalism. N. V. Zueva. *Sov. slav.* no. 1:112-113 '65.

## SLAVUTOV (KHMEL'NITSKIY PROVINCE)—ALIMONY

Make sure of the location of the debtor in alimony matters. S. Mokryenko. *Rad. pravo* 28 no. 2:107 Mr-Apr '65.

## SLAVUTOV (KHMEL'NITSKIY PROVINCE)—EXECUTIONS (LAW)

Make sure of the location of the debtor in alimony matters. S. Mokryenko. *Rad. pravo* 28 no. 2:107 Mr-Apr '65.

## SLEEP

Changes in the actographic indices of sleep in athletes from the effect of training loads and competitions. I. I. Gabashvili, Z. V. Teifia. *Teor. i prak. fiz. kul't.* 27 [i. o. 28] no. 5:41-44 My '65.

Effect of drug-induced sleep on the development of precipitins. N. V. Vasileva. *Trudy Khar. med. inst.* no. 30:226-228 '67.

Mechanisms of sleep in the light of clinical and physiological analysis of hypersomnia. N. I. Grashchenko, L. P. Latash, A. M. Vein. *Zhur. vys. nerv. deiat.* 15 no. 2:393-404 Mr-Apr '65.

## SLEEP—LEARNING

Hypnopedic. N. N. Timofeev. *Voen.-med. zhur.* no. 8:95-98 '64.

## SLIDE RULE

New instruments. *Sofa. trud* 10 no. 2:108-110 '65.

## SLIDE—VALVES

New designs of slide-valves for water supply mains. V. I. A. Merzlenko. *Nauch. trudy AKKH* no. 22 '63, Vod. no. 3:164-167 '63.

## SLUICE GATES

Hydraulic studies of the hydrant-type sluice gates of distribution pipelines and the MRV-II pendulum flowmeter. I. I. Vartanov. *Trudy VNIIGIM* 4:61-73 '64.

## SLUICE GATES—MAINTENANCE AND REPAIR

Reconditioning the gates of hydraulic structures. V. Bocharov. *Rech. transp.* 21 no. 3:45-46 '65.

## SMALLPOX—VACCINATION

Complications connected with smallpox vaccination. N. S. Rubtsov. *Zhur. mikrobiol., epid. i immun.* 41 no. 1:138-137 N '64.

## SMELA (CHERKASSY PROVINCE)—CIVIL DEFENSE—STUDY AND TEACHING

To the foremost people for experience. M. Domatski. *Voen. znan.* 11 no. 6:22-23 Je '65.

## SMELL

Structure of matter and the sense of smell. I. Grundland, B. Chapchinskaya. *Priroda* 54 no. 4:41-45 Ap '65.

## SMELTING—COSTS

(see also subdivision under Ukraine)

Effect of the smelting technology on the cost of G13L steel. P. I. Parasuk. *Lit. prozv.* no. 5:8-9 Ja '64.

## SMIRNOV, EFIM IVANOVICH, 1904-

Efim Ivanovich Smirnov, colonel general of the medical service, on his 60th birthday. *Voen.-med. zhur.* no. 10:69 '64.

## SMIRNOV, SERGEI SERGEEVICH, 1915-

Unknown heroes become known. I. Vaks, A. R. Palei. *Bibliotekar'* 42 no. 3:23-25 Mr '65.

## SMOKE

Content of carcinogenic substances in smoke and smoked products. P. P. Dikun. *Ryb. khoz.* 41 no. 3:60-61 '65.

SMOKED FISH see Fish, Smoked

## SMOKEHOUSES

Equipment, technology and calculations for the intensive smoking of food. A. T. Bocharov. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 1:121-126 '65.

Small electric smoking plant. V. P. Aleksandrovskii, V. V. Baranov, E. M. Rodin. *Izv. vys. ucheb. zav., pishch. tekhn.* no. 1:118-120 '65.

SMUGGLING see subdivision under Hong Kong; India

## SMUTS

Susceptibility of simple and complex wheat hybrids to loose smut. S. G. Oganesian. *Izv. AN Arm. SSR, Biol. nauki* 18 no. 1:41-48 Ja '65.

SNAILS, FOSSIL see subdivision under Ukraine

## SNIGIREVKA DISTRICT—IRRIGATION FARMING

For a better development of irrigated lands. N. Grigorash. *Ekhn. sel'khoz.* 40 no. 4:90-93 Ap '65.

## SNOW

(see also subdivision under Lazarev Station region, Antarctica; Novolazarevskaya Station region, Antarctica; Sunitar-Khayata Range; Tambov Province; Ural Mountains)

Field experiments in the differentiated growing and harvesting of grain crops in field sections edging shelterbelts. A. A. Komlov. *Sbor. nauch. issl. rab. VNIILMI* no. 26:28-33 '60.

Lipman, G. S., and G. M. Turgenev. [Snow vehicles] *Shogokhody.* Moskva, Izd-vo "Znanie," 1965. (Novoe v zhizni, nauka, tekhnika, IV Seriya: Tekhnika, no. 10)

SNOW—PERMEABILITY see subdivision under Antarctic regions

## SNOWPLOWS

Cleaning of streets in winter. M. A. Zhivov. *Nov. tekhn. zhil.-kom. khoz. i blagoustroystvo.* [no. 1]: 20-36 '61.

SOAKING PITS see Furnaces, Heating

## SOAP

Dewatering of fatty acids prior to soap boiling. I. M. Ismailov, V. G. Klepikov, A. U. Makhmudov. *Maslozhir. prom.* 31 no. 3:33-34 Mr '65.

Relation between the molecular balance, surface activity and critical concentration of micelle formation in soap solutions. M. P. Desyatov, F. F. Gladkii. *Maslozhir. prom.* 31 no. 4:17-20 Ap '65.

## SOAP INDUSTRY—EQUIPMENT AND SUPPLIES

Basic principles of the design and modernization of automatic machines for soap marking and cutting. O. I. A. Pronin, I. K. Mikhel'son. *Maslozhir. prom.* 31 no. 3:36-39 Mr '65.

Vacuum dryer unit for the continuous production of cake household soap. V. V. Bukharin. *Maslozhir. prom.* 31 no. 4:43-44 Ap '65.

## SOAP INDUSTRY—MANAGEMENT

From planned unprofitable work to profitability. O. M. Sobkevich. *Maslozhir. prom.* 31 no. 3:30-31 Mr '65.

## SOB VALLEY (UKRAINE)—SULFIDES

Copper-nickel sulfide ore manifestations in the basic rocks of the Sob basin. S. M. Riabokon', V. A. Riabenko. *Dop. AN URSS* no. 5:649-651 '65.

## SOCCER

Four "cornerstones" of a bronze medal winner. Valentin Aleksandrovich Nikolaev. *Sov. voln.* 47 no. 6:44-46 Mr '65.

## SOCHI—COMMUNICATION AND TRAFFIC

Your friend, the communication worker. V. Konstantinov. *Sov. profsoyuzy* 21 no. 11:28-30 Je '65.

## SOCHI—GUIDEBOOKS

Zaitsev, I. L., A. M. Komarov, and I. A. Maksimov. [Sochi, a guide to the city] *Sochi, putevoditel' po gorodu.* [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 278 p.

## SOCHI—RESTAURANTS, LUNCHROOMS, ETC.

In order to please everybody. V. Molotova. *Sov. profsoyuzy* 21 no. 11:26-28 Je '65.

## SOCHI—SERVICE INDUSTRIES

We say "no" more seldom. IU. Romanenko. *Sov. profsoyuzy* 21 no. 11:30-31 Je '65.

## SOCHI—TRANSPORTATION, AUTOMOTIVE

The automobile is at your service. V. Bur'lanov. *Sov. profsoyuzy* 21 no. 11:24-26 Ja '65.

## SOCHI—VIEWS

Sochi. Moskva, Sovetskii khudozhnik, 1964. 1 v. (chiefly illus.) [In Russian and English]

## SOCIAL CLASSES

Knbo, Llubov. [It is sad to be a petit bourgeois!...] *Neveselo byl' meshchinnom!* Moskva, Politizdat, 1965. 63 p. (Vremia i ljudi)

SOCIAL INSURANCE see Insurance, Social

## SOCIAL PARTICIPATION

Bakutskii, A. I. [From state government to public self-government] *Ot gosudarstvennosti — k obshchestvennomu samoupravleniyu.* [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 93 p.

[MICROFILM]

SOCIAL PROBLEMS AND THE CHURCH see Church and social problems

SOCIAL PSYCHOLOGY see subdivision under United States

## SOCIAL SCIENCE RESEARCH

(see also subdivision under Leningrad; United States) Historical materialism and private sociological research. D. M. Gvishiani. *Vop. filos.* 19 no. 5:47-56 '65.

## SOCIAL SCIENCES—STUDY AND TEACHING

By a common effort. N. L. Lubitsov. *Prof.-tekhn. obr.* 22 no. 4:20-21 Ap '65.

In the department of social sciences. A. D. Natars'kii. *Rad. shk.* 14 no. 5:70-72 My '65.

Russin (1917- R. S. F. S. R.) *Zapadno-Ural'skii ekonomicheskii administrativnyi raion. Upravlenie krov i uchebnykh zavedenii. Uchebno-metodicheskiy kabinet.* [Practice in teaching the social science course in special secondary schools] Opyt prepodavaniia kursa obshchestvenovedeniia v srednikh spetsial'nykh uchebnykh zavedeniyakh. [Perm'] Permskoe knizhnoe izd-vo, 1964. 45 p.

[MICROFILM]

## SOCIALISM

(see also subdivision under France; States, New)

The origins of Leninism: the struggle of the Russian revolutionary Marxists against petty-bourgeois socialism and revisionism at the end of the 19th century. V. D. Mochalov. *Ist. SSSR* 9 no. 2:3-22 Mr-Apr '65.

## SOCIALISM—CONGRESSES

Letters by F. Engels. *Vop. ist. KPSS* 0 no. 6:3-10 Ja '65.

SOCIALISM AND LAW see Law and socialism

## SOCIALIST COMPETITION

Do we see it? V. Khanchin. *Nar. obr.* no. 5:71-74 My '65.

Emulate the progressive workers! I. I. Maksimenko. *Put' i put. khoz.* 9 no. 5:3-4 '65.

How to further socialist competitions. *Voen.-med. zhur.* no. 8:3-7 '64.

Socialist competition for an early completion of the 1965 plan, last of the seven-year plan period. *Ogneupory* 30 no. 3:1-6 '65.

Socialist competition in the sugar factories of the R. S. F. S. R. N. G. Popov. *Sakh. prom.* 39 no. 3:5-7 Mr '65.

## SOCIALIST COMPETITION—HISTORIOGRAPHY

Orlovskii, A. L. [Historiography of the socialist competition of the working class of the U. S. S. R.; author's abstract of a dissertation for the degree of Candidate of Historical Sciences] *Istoriografiia sotsialisticheskogo sorenovaniia rabochego klassa SSSR; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk.* Nauchn. rukovoditel' Z. A. Astapovich. Moskva, Mysl', 1964. 15 p.

[MICROFILM]

SOCIETY AND COMMUNISM see Communism and society

SOCIETY AND LITERATURE see Literature and society



## SOCIOLOGY

Results and tasks A. S. Bogomolov, Vop. filos. 19 no 4 175-178 '65

Smulevich, B. A. [National health and sociology] Narodnoe zdorov'e i sotsiologiya. Moskva, Mysl', 1965. 230 p.

The social role of science in the distorting mirror of bourgeois sociology G. I. Bondarev Nauch. dokl. vyssh. shkoly filos. nauk 7 no 3 76-82 '64

## SOCIOLOGY—METHODOLOGY

Moscow, Akademiya obshchestvennykh nauk. [Practice and methods of applied sociological studies] Opyt i metody primeneniya sotsiologicheskikh issledovaniy. Pod red. G. E. Glezermana i V. G. Afanas'eva Moskva, Mysl', 1965. 356 p.

## SOD CUTTING MACHINES

Mechanization of sodding operations. A. I. Batsuk Gidrot. mel. 17 no 2 48-50 F '65.

## SODIUM BORATES—SPECTRA

Comparative study of the nuclear magnetic resonance and infrared spectra of sodium borate glasses. T. A. Sidorov, Opt. i spekt. 18 no 3 384-387 Mr '65

## SODIUM FLUOSILICATES

Chemical mechanism of the controlling action of sodium hexafluorosilicate on the flotation of some minerals I. V. Kostina and others. Dokl. AN SSSR 161 no 6 1382-1384 Ab '65.

## SODIUM HYDROXIDE

Decomposition of albite and microcline in caustic soda solutions V. S. Sazhin, V. E. Denatchuk, A. I. Volkovskiy. Khim. zhur. 31 no 4 379-381 '65

Investigating the absorption process of the microconcentrations of carbon dioxide by caustic soda solutions in a packed tower at increased pressures V. V. Varonin Trudy MKHM 26 74-77 '64

## SODIUM HYPOCHLORITE

Mechanism of the catalytic decomposition of NaClO in the presence of dissolved copper hydroxide A. Prokopiyas Trudy AN Latv. SSR, Ser. B no 3 41-48 '64

## SODIUM IODIDE—THERMAL PROPERTIES

Effect of ionic processes on the thermal breakdown of trapping centers in NaI (TI) Z. B. Batulicheva, N. I. Iuravich, I. A. Tsylin. Ukr. fiz. zhur. 10 no 5 570-571 My '65

## SODIUM IODINE CRYSTALS—SPECTRA

Photoluminescence excitation spectra of NaI-Tl single crystals at the temperature of liquid nitrogen V. N. Vysheveskiy, M. S. Pidzyrnyy. Ukr. fiz. zhur. 10 no 5 531-537 My '65.

## SODIUM METAPHOSPHATES

Reaction of metal oxides with fused sodium metaphosphate. I. U. K. Delimarskii, V. N. Andreeva, T. N. Kapitsova. Izv. AN SSSR, Neorg. mat. 1 no 3 150-155 Ja '65.

## SODIUM SILICATES

Physicochemical properties of sodium silicates rich in silica. O. L. Luk'yanova, I. I. Uvarova, F. A. Rebinde. Dokl. AN SSSR 161 no 6 1385-1387 Ap '65.

## SODIUM SULFATES

Method for the transformation to sodium alkyl sulfates of alcohols obtained by the direct oxidation of liquid paraffins. A. I. Kudryashov, L. K. Getmanskii. Maslo-zhir. prom. 31 no 2 37 F '65.

Utilization of the sodium sulfate solution obtained in the production of synthetic fatty acids. P. G. Igonin, E. A. Shkharuk, V. V. Svetkin. Maslozhir. prom. 31 no 3 28-29 Mr '65

## SODIUM THIOSULFATE

Chromatographic method for fine purification of sodium thiosulfate solutions A. A. Rak-Haevskaya [Trudy] GIPKH no 51 8-9 '64

## SODIUM TRIPHOSPHATES—ANALYSIS

Determining the content of sodium tripolyphosphate proper in technical sodium tripolyphosphate products G. A. Kral'-Oskina, E. I. Bushueva, Maslozhir. prom. 31 no 2 14-16 F '65

## SOFIA—WATER—PURIFICATION

Selecting the method for purifying water for the water purification station for the water supply lines of Sofia. D. Bonev. Nauch. trudy AKKH no 22 '63, Vod. no 3 81-102 '65.

## SOFIYEVKA (UKRAINE)—GUIDEBOOKS

Kosarevskii, I. A. [Sofiyeveka; a concise guidebook] Sofiyeveka; kratkiy putevoditel'. 5, izd. Kiev, Rudnitskiy, 1965. 37 p. illus. diagr. (insert)

## SOFT DRINKS see subdivision under Ukraine

## SOIL, MINERALS IN see Minerals in soil

## SOIL, PODZOLIC see Podzol

## SOIL ABSORPTION

Kinetics of the soil absorption of phosphates. A. D. Fokin. Agrokhim. no. 3 55-68 Mr '65

Rapid method for determining the total capacity of exchange of clays O. L. Alekseev, Ukr. khim. zhur. 31 no 1 114-116 '65.

## SOIL ACIDITY see subdivision under Kallinin Province, Moscow Province

## SOIL ACIDITY—EFFECT ON PLANTS see Plants, Effect of soil acidity on

## SOIL BIOLOGY—CONGRESSES

Problems of soil biology at the 8th International Congress of Soil Scientists T. N. Mishustin, M. S. Giliarov. Pochvovedenie no. 5 85-88 My '65

## SOIL CEMENT

Optimal strength of soil cement depending on cement content. S. P. Subbotin. Avt. dokl. 28 no 4 18 Ap '65.

## SOIL-CEMENT ROADS see Roads, Soil-cement

## SOIL CHEMISTRY

(see also subdivision under Kamchatka; Transcaucasia) Effect of antiseptics on the mobilization of nutrients and increase of the yield of cotton in Stereozem soils I. I. Pirotopova. Sbor. nauch. rab. asp. Soluz. NIKHI no 5 187-201 '64

Effect of fertilizer and insecticide mixtures on the carbohydrate and protein metabolism and the development of cotton seedlings in hydromorphic soils N. I. Kiz. Sbor. nauch. rab. asp. Soluz. NIKHI no. 5 202-213 '61

Effect of herbicides affecting roots on plant nutrients in soils B. A. Guseinov. Agrokhim. no. 1 102-104 Ja '65

## SOIL CHEMISTRY—CONGRESSES

Soil chemistry at the 8th International Congress of Soil Scientists (2nd Commission). L. N. Aleksandrova, M. M. Kononova. Pochvovedenie no. 5 79-85 My '65

## SOIL CONSERVATION

(see also subdivision under Dagestan; White Russia)

Preventing soil erosion caused by wind. T. I. Akubov. NTO 7 no 4 25-28 Ap '65.

Ravine erosion and measures for its control in a shelterbelt network G. P. Surmach. Sbor. nauch. iissl. rab. VNIAMI no 28 83-86 '60

Levyi potokami, [doklady] Baku, Pochvenno-eroziionnaya stantsiya Akad. nauk Azerbaidzhanskoi SSR, 1961. 184 p.

[DNAL MICROFILM]

## SOIL CONSERVATION—LAW

Zhaiikov, I. U. G. [Protection of soil as an obligation of land users] Okhrana pochvy — obiazannost' zemlepol'zovatelei. Moskva, Iuridicheskaya literatura, 1965. 74 p.

## SOIL DISINFECTION

Gorbov, V. A., and others, eds. [Basic problems of the sanitary protection of soil] Osnovnye voprosy sanitarnoi okhrany pochvy. Moskva, Meditsina, 1965. 344 p.

## SOIL FAUNA

Giliarov, M. S. [Zoological method in soil diagnostics] Zoologicheskii metod diagnostiki pochvy. Moskva, Nauka, 1965. 273 p.

## SOIL FERTILITY

(see also subdivision under Finland; Karelia; Soviet Central Asia)

Effect of a continuous use of fertilizers on soil fertility in orchards M. D. Romanenko. Agrokhim. no 4 51-55 Ap '65

Intensification of agricultural production and the improvement of soil fertility I. TS. Chernitskiy, M. A. Zhyzinskiy. Vestn. AN BSSR, Ser. sel'sk. nauch. no. 1 12-19 '65.

Soils in the trans-Volga area of the Kleshma Agricultural Administration of Ivanovo Province and ways for increasing their fertility. A. N. Baranov, I. U. D. Kartashov. Sbor. nauch. trud. Ivan. sel'sk. khoz. inst. no. 21 46-80 '63.

Turkin, I. V. [Organic matter of soil and its role in fertility] Organicheskie veshchestva pochvy i ego rol' v plodorodii. Moskva, Nauka, 1965. 318 p.

(DNAL)

## SOIL FERTILITY—CONGRESSES

Problems of soil fertility at the 8th International Congress of Soil Scientists. V. V. Tserling. Pochvovedenie no. 5 88-93 My '65.

## SOIL FORMATION

(see also subdivision under Araks Valley) Marl in soils of Karabakh Lowland and its significance in the process of soil formation B. M. Agarov, F. F. Mamedov. Izv. AN Azerb. SSR, Ser. biol. nauk no. 1. 68-80 '65.

## SOIL FUNGI

Petroleum hydrocarbons as a source of carbon for microscopic mycelial soil fungi. V. I. Bilal and others. Mikrobiol. zhur. 27 no 2 13-10 '65.

## SOIL MECHANICS

Calculating the settling of foundation beds taking into consideration the influence of adjacent foundations. I. Rosenfeld. Prom. stroit. inzh. soob. 6 no 2 51-51 Mr-Apr '61

Device for remote measurements of stresses and deformations in soils L. M. Bobylev. Avt. dokl. 28 no 3 14 Mr '65

Forecasting the deformation of structures on loess-type soils A. L. Rubinshtein. Gidrot. mel. 17 no 1 35-38 Ap '65.

Gol'kova, I. M. [Structural and deformation characteristics of sedimentary rocks of various degrees of compaction and lithification] Strukturnyye i deformatsionnyye osobennosti osadochnykh porod razlichnoi stepeni uplotneniya i litifikatsii. Moskva, Nauka, 1965. 126 p.

Propagation of stress and pressure jumps in a water-saturated soil. P. I. Zolotarev, V. N. Nikolaevskiy. Izv. AN SSSR, Mekh. no 1 101-105 Ja-I '65.

## SOIL MECHANICS—ELECTROMECHANICAL ANALOGIES

Simulating a resistance and sag of sandy foundation beds in various phases of deformation P. G. Chibrikov. Trudy TSNIS no 56 135-147 '65

## SOIL MICRO-ORGANISMS

(see also subdivision under Komu A. S. S. R., Pamira) Antagonistic properties of some soil bacteria. O. O. Fedorovskaya, K. P. Leonova. Mikrobiol. zhur. 27 no 2 42-45 '65.

Distribution of tetanus pathogen in the soil of Tajikistan, Uzbekistan and Moldavia. M. I. Orlov, K. I. Matveev. Zhur. mikrobiol., epid. i immunit. 41 no 1 104-109 N '64

Effect of thiazine and diazine on the microflora of leached Chernozem soils V. V. Kvasnikov, V. P. Chikulaev. Dokl. Akad. sel'sk. khoz. nauk no. 2 1-4 F '65. Fimbriae in soil micro-organisms D. I. Nikitin, L. V. Vasil'eva. Izv. AN SSSR, Ser. biol. no 3 100-103 My-Je '65.

## SOIL MOISTURE

(see also subdivision under Goughn; Goldenaya Steppe; Soviet Central Asia; Volga Valley) Effectiveness of fertilizers as related to soil moisture. P. A. Dmitrenko and others. Agrokhim. no. 2 3-14 F '65

Field experiments in the differentiated growing and harvesting of grain crops in field sections adjoining shelterbelts. A. A. Komay, Sbor. nauch. iissl. rab. VNIAMI no. 28 28-33 '60.

Hydrological role of shelterbelts. T. I. Alifanova. Sbor. nauch. iissl. rab. VNIAMI no. 28 33-7 '60.

Moisture characteristic of forest litter in forest plantations for erosion control. I. U. N. Koblov. Sbor. nauch. iissl. rab. VNIAMI no. 28 52-55 '60

## SOIL MOISTURE—EFFECT ON PLANTS see Plants, Effect of soil moisture on

## SOIL PERCOLATION

Boundary value problem involving seepage under pressure. N. B. Il'inskiy. Dokl. AN SSSR 161 no 6 1033-1035 Ap '65.

Design of the underground profile of hydraulic structures. N. I. Duzhina. Trudy LITTSBP no 14 203-221 '64

## SOIL PERCOLATION—ELECTROMECHANICAL ANALOGIES

Application of the electrohydrodynamic analogy method in the study of seepage in a distributed scale model. N. I. Duzhina. Trudy LITTSBP no. 14 191-202 '64

## SOIL PHYSICS—CONGRESSES

Work of the 1st Commission (Soil physics) of the 8th International Congress of Soil Scientists. V. N. Dima. Pochvovedenie no. 5 74-79 My '65.

## SOIL POLLUTION

Gorbov, V. A., and others, eds. [Basic problems of the sanitary protection of soil] Osnovnye voprosy sanitarnoi okhrany pochvy. Moskva, Meditsina, 1965. 344 p.

## SOIL RESEARCH

Kanivets, I. I. [Soil conditions and the growth of perennial orchard plants; pear, prune, apricot, sweet cherry, sour cherry, walnut, and grapevine] Pochvennyye uslovia i rost mnogoletnikh sadovykh nasazhdenii: grusha, sliva, abrikos, chereshnya, vishnia, grotskii orekh i vinogradnaya loza. Kishinev, Karla moldovenaske, 1960. 542 p.

(DNAL)

Soil in the light of current research. P. P. Rahavy, I. A. M. Narkevich. Vestn. AN BSSR, Ser. biol. nauch. no. 1 11-20 '65.

## SOIL SCIENCE—CONGRESSES

Eighth International Congress of Soil Scientists. N. A. Kachinskii. Vestn. Mosk. un. Ser. 6: Biol., pochv. 20 no. 2 81-93 Mr-Apr '65

## SOIL SCIENCE—RESEARCH

Leningrad, Universitet. [Soil and geobotanical research in the Northwest of the U. S. S. R.] Agropochvennyye i geobotanicheskie issledovaniya Severo-Zapada SSSR; sbornik statei. [Leningrad] 1965. 134 p.

## SOIL STABILIZATION

- Consolidation of road soils by silicate slag and silicate slime binders. A. V. Beliaush. Trudy STI 17 11-50 '61
- Consolidation of road soils by the addition of slurry and water glass. A. I. Shneider, V. P. Mikhalev. Trudy STI 17 169-172 '64
- Consolidation of road soils with water glass by adding granulated blast-furnace slag. V. S. Shinnov. Trudy STI 17 173-175 '61
- Modulus of elasticity and deformation for stabilized soils. A. N. Mavroev. Avt. dor. 28 no. 3 22 Mr '65
- Stabilization of soils of natural beds. V. M. Ivlev, I. U. IA, Andreichenko. Avt. dor. 28 no. 14-15 Ap '65
- Using the soil baking method for the stabilization of the loaded. A. G. Savchenko. Put' i put khoz. 9 no. 1: 26-28 '65

## SOIL TEMPERATURE

- Calculation of the flow of heat into the soil. M. E. Shvets, B. E. Shneider. Izv. AN SSSR, Fiz. atm. i okeana 1 no. 2: 167-171 '65

## SOIL TEMPERATURE—EFFECT ON PLANTS see Plants, Effect of soil temperature on

## SOILS

- (see also subdivision under Kemerovo Province; Khusma District; Rumania; Tschon Delta)
- A unique collection of soil samples. I. D. Gromyko, N. P. Kolpenskaya, O. S. Rostovskaya. Izv. TSKHA no. 5: 228-230 '64

## SOILS—ABSTRACTS

- [Soil science, Fertilizers, Reclamation] Ref. zhur. ' Pochv. udobr. mel. nos. 10-11 My-Je '65
- [Soil science] Ref. zhur. ' Pochv. Avtorskii ukazatel' za 1964 g.

## SOILS—AMINO ACID CONTENT

- Kinetics of the decomposition of  $C^{14}$  amino acids in soils. V. Rachinskii and others. Agrokhimia no. 1: 28-30 Ap '65

## SOILS—ANALYSIS

- (see also subdivision under Rumania)
- Change in the chemical characteristics of turf-Podzolic soils due to gleying. F. R. Zaidelman, A. K. Ogletsov. Pochvovedenie no. 5: 1-12 My '65
- Improved method for determining available phosphorus in ammonium carbonate extracts. G. I. Golefani. Agrokhimia no. 1: 108-110 Ja '65
- Lighted bar for a hand auger and formulas for calculating the quantity of work performed in boring. N. F. Kulik. Pochvovedenie no. 5: 71-73 My '65

## SOILS—BIBLIOGRAPHY see Bibliography—Soils

## SOILS—CLASSIFICATION

- (see also subdivision under Komi A. S. S. R.; Vorkhnedneprovsk District)
- Giljarov, M. S. [Zoological method in soil diagnostics] Zoologicheskii metod diagnostiki pochv. Moskva, Nauka, 1965. 273 p.
- Work of the 5th Commission of the 8th International Congress of Soil Scientists. E. V. Lobova. Pochvovedenie no. 5: 93-97 My '65

## SOILS—DENSITY

- Determining the density of soils by the gamma-gamma probe in the process of the hydraulic filling of structures. P. S. Respalvi. Trudy VNIIGM 41: 170-183 '61

## SOILS—ELECTRIC PROPERTIES

- Dependence of the corrosion of a steel gas pipeline on changes in ground conditions along its route. E. A. Nikitenko. Zashch. met. 1 no. 1: 81-88 Ja-F '65

## SOILS—IODINE CONTENT

- Evaluating the method for determining the content and variation of iodine in soil. N. G. Zytin, T. Kh. Imadi. Agrokhimia no. 4: 100-112 Ap '65

## SOILS—IRON CONTENT see subdivision under Amur Valley

## SOILS—MAGNESIUM CONTENT

- (see also subdivision under Turgay Gates)
- Available magnesium and its distribution in the various organs of plants. M. M. Mazneva. Agrokhimia no. 1: 73-79 Ja '65

## SOILS—MANGANESE CONTENT

- Dynamics of the content of manganese in soils and plants. F. A. Vinuk, M. N. Karas'. Agrokhimia no. 1: 80-88 Ja '65

## SOILS—MAPS

- (see also subdivision under Ulyanovsk Province)
- Serial publication of "Agrochemical characteristics of soils in the U. S. S. R." E. I. Shkonde. Agrokhimia no. 2: 185-189 F '65

## SOILS—MICROBIOLOGY

- Effect of grassy and leguminous grass mixtures and organic fertilizers on the microbiological processes in subtropical Podzolic soils. N. T. Kvaratskhelia, K. K. Gambashidze, M. E. Dzhalili. Soob. AN Gruz SSR 29 no. 1: 73-80 Ji '62

- Individual factors affecting the development of humlike substances in a three-member complex. D. Karagabova. Izv. AN Kazakh SSR Ser. biol. nauk 3 no. 2: 3-8 Mr-Apr '65

- Survival of the agents of typhoid fever and paratyphoid A and B in artificially inoculated soil and silt. L. G. Gogol', N. G. Buzhueva. Trudy TSU 58: 82-84 '64

## SOILS—NITROGEN CONTENT

- (see also subdivision under Kuban; Nakhichevan A. S. S. R.)
- Liberation of nitrogen oxides from soil. B. N. Makarov. Agrokhimia no. 2: 15-20 F '65
- Loss of nitrogen in soil; based on the materials of the 8th International Congress of Soil Scientists. M. A. Bobitskaya. Agrokhimia no. 1: 143-146 Ja '65
- Role of organic and mineral fertilizers in the mobilization of nitrogen and phosphorus of leached Chernozems under intensive cultivation. A. K. Leonov. Agrokhimia no. 3: 26-31 Mr '65

## SOILS—PERMEABILITY see subdivision under Russia, Northwest

## SOILS—PHOSPHORUS CONTENT

- Accumulation and transformation of phosphorus in soils of various types during continuous use of phosphoric meal. I. S. Likharskaya, E. A. Baburina, A. N. Bateiskaya. Agrokhimia no. 4: 31-37 Ap '65
- Comparative method for determining the soluble phosphate content of soils using ammonium carbonate solution. I. N. Chumachenko. Agrokhimia no. 4: 95-105 Ap '65
- Forms of phosphorus in turf-Podzolic soils developed on loess and loess-type loamy soils. M. K. Rakhuba. Vestn. AN BSSR, Ser. sel'hoz. nav. no. 1: 20-29 '65
- Improved method for determining available phosphorus in ammonium carbonate extracts. G. I. Golefani. Agrokhimia no. 1: 108-110 Ja '65

- Kinetics of the soil absorption of phosphates. A. D. Tokin. Agrokhimia no. 3: 55-68 Mr '65

- Plant yield as related to the phosphate content of soil. T. N. Kulakovskaya. Agrokhimia no. 3: 43-54 Mr '65

- Role of organic and mineral fertilizers in the mobilization of nitrogen and phosphorus of leached Chernozems under intensive cultivation. A. K. Leonov. Agrokhimia no. 3: 26-31 Mr '65

## SOILS—POTASSIUM CONTENT see subdivision under Caspian Lowland

## SOILS—STRONTIUM CONTENT

- Biogeochemistry of strontium. V. V. Koval'skii, E. F. Zaslavina. Agrokhimia no. 1: 74-88 Ap '65

## SOILS—SULFUR CONTENT see subdivision under Kyzyl-Orda Province

## SOILS—TRACE ELEMENT CONTENT

- (see also subdivision under El'brus Mountain region; Golodnaya Steppe; Kunak Valley; Ol' Valley; Saratov Province; White Russia)
- Effect of iron on the behavior of yttrium<sup>91</sup> in a soddy-meadow soil. I. V. Molchanova. Nauch. dokl. vys. shkoly; biol. nauki no. 2: 201-204 '65
- SOILS, RADIOACTIVE SUBSTANCES IN (see also subdivision under Georgia)
- Effect of iron on the behavior of yttrium<sup>91</sup> in a soddy-meadow soil. I. V. Molchanova. Nauch. dokl. vys. shkoly; biol. nauki no. 2: 201-204 '65
- Methods for studying the total  $\beta$ -radioactivity of soils. Z. A. Malaya, A. Ia. Vitol, G. Ia. Grinberg. Agrokhimia no. 2: 223-134 F '65

## SOILS, SALTS IN see subdivision under Trans-Ili Alatau

## SOKOLOV, BORIS MATVEEVICH, 1889-1930

- B. M. and I. U. M. Sokolov, V. Kruplanskaya, E. Pomeranueva. Izv. AN SSSR, Ser. It. i jaz. 24 no. 2: 183-184 Mr-Apr '65

## SOKOLOV, IURII MATVEEVICH, 1889-1941

- B. M. and I. U. M. Sokolov, V. Kruplanskaya, E. Pomeranueva. Izv. AN SSSR, Ser. It. i jaz. 24 no. 2: 183-184 Mr-Apr '65

## SOKOLOV, NIKOLAI NIKOLAEVICH, ca. 1895-

- Nikolai Nikolaevich Sokolov; on his 70th birthday. D. D. Kvasov. Izv. Vses. geog. ob-va 87 no. 2: 198 Mr-Apr '65

## SOKOLOVKA-SARBAY REGION (KUSTANAY PROVINCE)—MINING ENGINEERING

- Studying and selecting the optimal condition for mine haulage operations at the Sokolovka-Sarbay Combine with the aid of electronic computers. M. V. Vash'ev, V. L. Iakovlev. Gor. zhur. no. 5: 46-49 My '65

## SOKOLOVKA-SARBAY REGION (KUSTANAY PROVINCE)—MINING ENGINEERING—COLD WEATHER CONDITIONS

- Efforts to control the freezing of ore at the Sokolovka-Sarbay Combine. V. G. Trutnev and others. Gor. zhur. no. 5: 74-75 My '65

## SOLAR BATTERIES

- Hexahedral honeycomb film type solar energy collector. G. Ia. Umarov and others. Geliotekhnika no. 1: 66-67 '65

- Power plant for converting solar energy into electricity. A. P. Landaman and others. Geliotekhnika no. 1: 16-21 '65
- Thermoelectric solar energy converters. U. A. Arifov, A. I. Kulagin. Geliotekhnika no. 1: 6-15 '65

## SOLAR ENERGY

- (see also subdivision under Moldavia)
- Plenum of the Solar Engineering Section of the Central Administration of the Scientific and Technical Society of Power Engineering. T. I. Estrin. Geliotekhnika no. 1: 73-74 '65

## SOLAR ENERGY—CONGRESSES

- Coordinating Conference on Solar Engineering. G. A. Klein. Geliotekhnika no. 1: 71-72 '65

## SOLAR ENGINES

- Collector on an asbestos-concrete base. S. V. Starodubtsev and others. Geliotekhnika no. 1: 28-30 '65
- Experimental determination of the shape of the reflecting surface of a film type inflatable collector. G. Ia. Umarov and others. Geliotekhnika no. 1: 24-27 '65
- A 2.7-meter film type vacuum solar energy collector. S. V. Starodubtsev, G. Ia. Umarov, N. V. Korub. Geliotekhnika no. 1: 22-23 '65

## SOLAR FLARES

- Burst of cosmic rays from the sun on September 28, 1961. L. I. Dorman, L. I. Miroshnikov. Geomag. i aer. 5 no. 3: 327-383 My-Je '65
- Cosmic rays from the sun recorded in the stratosphere in September 1963. L. L. Lazutin. Geomag. i aer. 5 no. 3: 583-586 My-Je '65

## SOLAR FURNACES

- A two-meter high-temperature solar furnace. M. D. Igudaev and others. Geliotekhnika no. 1: 31-38 '65

## SOLAR HEATING

- Automatic tracking by solar devices. A. Sh. Sharafi. Geliotekhnika no. 1: 67-70 '65
- Data on comparative heat engineering tests of domestic and other small solar units. Ia. G. Kolos. Geliotekhnika no. 1: 57-65 '65
- Solar coil water - water heater for shower baths. A. Sh. Sharafi. Geliotekhnika no. 1: 55-58 '65

## SOLAR PLEXUS

- Pathomorphological changes in the solar plexus in hypertension and atherosclerosis. P. A. Bordiug. Trudy Khim. med. inst. no. 36: 343-350 '67

## SOLAR RADIATION

- (see also subdivision under Bolagoye District; Georgia; Moldavia)
- The 11-year cycle in solar radio-frequency radiation. M. N. Gnevyshev. Astron. zhur. 42 no. 3: 489-493 My-Je '65
- Incidence of streams of diffuse radiation on vertical and horizontal surfaces under conditions of city building. B. A. Aizenshtat. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 22: 42-50 '65
- Planetary characteristics of ionospheric disturbance. V. P. Kuleshova. Geomag. i aer. 5 no. 3: 573-574 My-Je '65
- Radiation, natural and artificial. V. Aleksandrov, V. Zhelonkin. Voen. znan. 41 no. 8: 37-38 Je '65
- Role of active regions in the formation of quasi-stationary corpuscular streams from the sun. E. R. Mustel'. Astron. zhur. 42 no. 3: 473-497 My-Je '65

## SOLAR RADIATION—ANALYSIS

- Spectral composition of direct solar radiation. E. A. Lopukhin. Geliotekhnika no. 1: 44-48 '65

## SOLAR RADIATION—CONGRESSES

- International symposium on radiation. V. N. Adamenko, K. Ia. Vinnikov. Izv. AN SSSR, Fiz. atm. i okeana 1 no. 1: 118-121 Ja '65

## SOLAR SPECTRUM see Spectrum, Solar

## SOLDER AND SOLDERING

- Electric hard soldering of contact joints. A. M. Polnarev. Priboirostroi. no. 4: 15-16 Ap '65

## SOLDIERS

- Four meetings. Mark Red'kin. Sov. voln. 47 no. 8: 12 Ap '65
- Three generations under the battle flag. Komm. Ukr. 39 no. 5: 34-41 My '65

## SOLES see subdivision under Bering Sea

## SOLID SOLUTIONS see Solutions, Solid

## SOLID STATE PHYSICS

- Quantum approach to a synchronous parametric system. G. I. Rozhkova. Radiotekh. i elektron. 10 no. 4: 773 Ap '65

## SOLIDIFICATION—TESTING

- Automatic device using the two-frequency method for controlling concrete setting. V. B. Shifrin. Stroi. i dor. mash. 10 no. 4: 26-27 Ap '65

## SOLIKAMSK REGION—SALT DEPOSITS

Salt stalactites of mines in the Verkhnekamskoye salt deposit L. A. Shimanovskii, I. A. Shimanovskaya Peshchery no 4 95-100 '64

## SOLIKAMSK REGION—STALACTITES

Salt stalactites of mines in the Verkhnekamskoye salt deposit L. A. Shimanovskii, I. A. Shimanovskaya Peshchery no 4 95-100 '64

## OLONETZ SOILS

(see also subdivision under Aktyubinsk Province, Ural'sk Province)  
Role of absorbed magnesium in the formation of Solonetz soils in the Turgay Gates V. V. Bullov Pochvovedeniye no 5 21-27 My '65.

## SOLUBILITY

Changes in solubility of germanium dioxide in water with an increase in temperature from 0 to 100°C V. A. Vekhov, B. S. Vitukhnovskaya, R. F. Dolonkina Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6: 1018-1019 '64

Effect of certain substances on the solubility of benzoic acid in alcohol V. F. Sergeeva, T. G. Chumachenko Zhur. ob. khim. 35 no. 4, 597-600 Ap '65.

Solubility in furfural of aromatic hydrocarbons separated from oily fractions from the petroleum of the Koturtepe field N. I. Skudanova, A. A. Gundyrev, N. I. Chernozhukov Trudy MINKHGP no 44-235-241 '63

Solubility of n-toluidine in aqueous solutions of electrolytes and nonelectrolytes V. Sergeeva, G. Shabikova, Zhur. ob. khim. 35 no. 4, 599-602 Ap '65.

## SOLUTION (CHEMISTRY)

Preparation of aqueous solutions of allyl chloride in a hydroacoustic field A. E. Kliucharev and others Trudy MIKHM 26 131-136 '64.

Relation between the molecular balance, surface activity and critical concentration of micelle formation in soap solutions M. P. Bespalov, F. F. Gladkii Maslozhir. prom. 31 no. 4, 17-20 Ap '65

Use of the method of electroconductivity measurement in studying the mechanism underlying the distribution of salt between water and saturated water vapor M. A. Styrikovich, O. I. Matynova, Z. S. Belova Dokl. AN SSSR 162 no. 1-806-809 Ap '65

## SOLUTIONS

Effect of the solubility of ether in water and of other factors in the loss of barbital during its isolation from aqueous solutions V. I. Lobanov Farmatsev. zhur. 19 no. 1-55-58 '64

Possibility of an interferometric determination of alcohol in water-alcohol solutions A. F. Fedorov, E. F. Kozyreva, V. T. Millakov. Farm. i spir. prom. 31 no. 3-10-11 '65.

## SOLUTIONS (PHARMACY)

Studies on the solubility of sulfanilamide preparations, Report No. 3 Effect of some organic acids on the solubility of streptocid N. M. Lykhovot, V. P. Kusaikov Farmatsev. zhur. 19 no. 1-52-55 '64

## SOLUTIONS, SOLID

Kinetics of the dissolution of carbon in liquid iron, A. A. Vertman, A. M. Samarin, Izv. AN SSSR, Met. no. 1 46-54 Ja-F '65

Solid solutions of Ba<sub>2</sub>SiO<sub>4</sub> - Ba<sub>2</sub>GeO<sub>4</sub> R. G. Greben-shchikov, N. A. Torepov, V. I. Shitova, Izv. AN SSSR, Neorg. mat. 1 no. 1-121-125 Ja '65.

Thermodynamics of interstitial solid solutions Report No. 1, Energy of formation S. S. Nikol'skii Porosh. met. 5 no. 1-22-34 Mr '65.

## SOLUTIONS, SOLID—THERMODYNAMICS

Thermodynamics of interstitial solid solutions Report No. 2 S. S. Nikol'skii, Porosh. met. 5 no. 4-61-74 Ap '65

## SOLUTIONS, SUPERSATURATED

X-ray study of the decomposition of a supersaturated solid solution in the "tikonal" alloy L. M. Magat, Fiz. met. i metalloved. 19 no. 4: 521-529 Ap '65

## SOLVENTS

Diffusion in the system polyisobutylene - solvents studied by the interferential micromethod, A. E. Chulykh, R. M. Vasenin Dokl. AN SSSR 161 no. 5: 1145-1148 Ap '65.

Triethylene glycol as a solvent for the dematization and desulfurization of oil fractions, I. L. Gurevich, V. A. Matishchev, Trudy MINKHGP no 44-72-79 '63

## SOLVENTS—STANDARDS

New standard for wood alcohol solvents, V. P. Samarkov, Gidroliz. i tesokhim. prom. 18 no. 3: 6-7 '65

## SOLVOLYSES

Solvolysis of titanium tetrachloride in methanol, F. D. Shevchenko, L. A. Kuzina Ukr. khim. zhur. 31 no. 4: 347-352 '65.

## SOMOVO (VORONEZH PROVINCE)—TOXOPLASMOSES

Results of serological examination of commercial fur-bearing animals for toxoplasmosis, V. V. Nepshevskaia Trudy TSU 68-68-69 '64.

## SONAR IN FISHING

Motor responses of anchovies to acoustic stimuli, N. V. Lebedev and others Nauch. dokl. vys. shkoly, biol. nauki no. 2: 61-64 '65.

## SOOT

Effect of the elementary composition of soot particles on their radiation characteristics B. S. Mastukov, V. A. Krivandin Izv. vys. ucheb. zav., Chern. met. 8 no. 5: 183-187 '65

## SORBITIC ACID

Ovcharova, T. P. [Sorbic acid as food preservative] Sorbitovaya kislota — konservant pishchevykh produktov, Moskva, Tsentral'naya nauchno-tekhn. informatsii pishchevoi promyshl., 1964 44 p. [MICROFILM]

## SORBUS

Sorbus intermedia (Frax.) Pers. in silviculture and landscape gardening, I. I. Starchenko, Biol. Glav. bot. sadu no. 56: 31-34 '64.

## SORGHUM

Selecting the most suitable first crops for newly reclaimed highly salinized soils in the Golodnaya Steppe, K. Abdurazakov Sborn. nauch. rab. asp. SoluzNI-KHI no. 5: 365-374 '61

Sorghum should be cultivated, A. I. Fomina, Inform. biol. VDNKH no. 10: 20-21 O '63.

SORGHUM—FERTILIZERS AND MANURES see subdivision under Andizham Province

## SORPTION

Sorption of ferments by sifadex, M. S. Shul'man, V. A. Apataeva, Farm. i spir. prom. 31 no. 1: 14-16 '65

Sorption processes on cation exchangers from alcohol-aqueous solutions, V. V. Parkhomenko, O. D. Kurilenko, Ukr. khim. zhur. 31 no. 4: 372-375 '65

Study of the sorption properties of the oxide film on aluminum by the tracer technique Part 4: Sorption of inorganic anions as a function of their concentration in solution A. P. Bogolavskii, V. T. Belov, E. M. Kozyreva, Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6: 962-966 '64.

## SORTING DEVICES

Study of breaking vertical classifiers, V. R. Rybin, S. I. A. Bokahteln, Sborn. trud. VNINSM no. 3: 82-101 '60.

Turbulent dispersion of particles in gravity classifiers, S. I. A. Bokahteln, Sborn. trud. VNINSM no. 3: 73-81 '60

## SOUND—AUDIO—VISUAL AIDS

Experiment with the electroacoustic equipment, A. S. Mel'nikov, Vech. sred. shkoly 8 no. 2: 54-58 Mr-Ap '65.

## SOUND—PHYSIOLOGICAL EFFECT

Case of a fatal outcome caused by the effect of a strong acoustic stimulant on a dog, L. P. Rudenko, Zhur. vyz. nerv. delat. 15 no. 1: 105-108 Ja-F '65

Changes in the primary response of the auditory zone of the cerebral cortex under the effect of sound of a long-interval rhythm, I. U. G. Kratin, Nauch. soob. Inst. fiziol. AN SSSR no. 3: 77-83 '65.

Distribution of primary responses to acoustic stimuli in the cerebral cortex, N. U. Balenkov, T. E. Kalinina, Zhur. vyz. nerv. delat. 15 no. 2: 285-294 Mr-Ap '65.

Study of the thresholds of invoked potentials in the cortical projection of the conditioned stimulus, U. G. Gasanov, Zhur. vyz. nerv. delat. 15 no. 2: 295-302 Mr-Ap '65.

## SOUND—RECORDING AND REPRODUCING

Lenin's voice remains with us, D. Gakhtin, Radio no. 4: 4-5 Ap '65.

## SOUND WAVES

Sound excitation in metallic films by electric currents, M. I. Kaganov, V. B. Filks Fiz. met. i metalloved. 19 no. 4: 480-484 Ap '65.

## SOUTH AFRICA, REPUBLIC OF—COMMUNIST PARTY

Lenin and the first Communists in Africa, A. Makrushin, Az. i Afr. seg. 8 no. 4: 10-13, 18 Ap '65.

## SOUTH AFRICA, REPUBLIC OF—POLITICS AND GOVERNMENT

Hitler over South Africa, A. Makrushin, Az. i Afr. seg. 8 no. 5: 4-6 My '65.

## SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

Gold, copper and the death camps, Az. i Afr. seg. 8 no. 5: 18 My '65.

## SOUTH KAZAKHSTAN TERRITORY—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

The chemical industry of southern Kazakhstan, A. Zenkov, Ekon. stroit. no. 12: 7-11 D '64

## SOUTH KAZAKHSTAN TERRITORY—GAS AS FUEL

Substitute for coal and mazut IA Dodin Nar. khoz. Kazakh. 23 no. 4: 42-44 Ap '65

## SOUTH KAZAKHSTAN TERRITORY—OFFICE EQUIPMENT AND SUPPLIES

Supply economic work with technical equipment, M. Bara, Nar. khoz. Kazakh. 23 no. 4: 64 Ap '65.

## SOUTH KAZAKHSTAN TERRITORY—OFFICE EQUIPMENT

Supply economic work with technical equipment M. Bara, Nar. khoz. Kazakh. 23 no. 4: 64 Ap '65

## SOUTH KOREA see Korea, South

## SOUTH OSSETIA see Ossetia, South

## SOUTH SURKHAN RESERVOIR

Problem of damming the channel of large rivers, V. A. Silagadze Trudy VNIIGIM 44-184-189 '61

## SOUTH SURKHAN RESERVOIR—HYDRAULIC FILLING

Hydraulic-fill construction of dams from gravelly-sandy soils at the South Surkhan Reservoir V. P. Muntukov Trudy VNIIGIM 44-190-196 '64

## SOUTH URAL ECONOMIC REGION—CLOTHING INDUSTRY—QUALITY CONTROL

Bring joy to the people, B. Matsevich, I. Tushenkov, Sov. toig. 38 no. 1: 31-33 Ap '65

## SOVIET CENTRAL ASIA—ATMOSPHERIC TRANSPARENCY

Atmospheric turbidity in Central Asia, M. V. Sitnikova, Trudy Sted. -Az. nauch. -issl. gidrometeor. inst. no. 22: 51-59 '65.

## SOVIET CENTRAL ASIA—BROOMRAPE—HOST PLANTS

Species of host plants of the Egyptian broomrape (Orobancha aegyptiaca Pers.) in Central Asia, D. T. Kabulov, Kh. M. Mukumov, Nauch. dokl. vyz. shkoly, biol. nauki no. 2: 111-116 '65.

## SOVIET CENTRAL ASIA—CONSTRUCTION INDUSTRY

Coordination of operations is important, Stroit. i arkh. Sred. Az. 1 no. 9: 45-46 S '64.  
For a regular flow of production in construction, A. G. Feldman, Stroit. i arkh. Sred. Az. 1 no. 9: 12-14 S '64.

Technological progress and raising the standard of economic work in construction S. M. Petrov, V. G. Kievskii, Stroit. i arkh. Sred. Az. 1 no. 9: 1-4 S '64

## SOVIET CENTRAL ASIA—COTTON—FERTILIZERS AND MANURES

Effect of fertilizer and insecticide mixtures on the carbohydrate and protein metabolism and the development of cotton seedlings in hydromorphic soils, N. I. Kh. Sborn. nauch. rab. asp. SoluzNIKHII no. 5: 202-213 '61.

## SOVIET CENTRAL ASIA—COTTON GROWING

Land productivity as related to the length of cultivation, I. I. Chekmeneva Sborn. nauch. rab. asp. SoluzNIKHII no. 5: 147-163 '64.

Two-deep plowing as a new effective technology of the preparation of soil for cotton planting L. P. Minkishov, Sborn. nauch. rab. asp. SoluzNIKHII no. 5: 117-124 '64.

## SOVIET CENTRAL ASIA—COTTON GROWING—AC-COUNTING

Keep a separate cost accounting for each type of cotton, Kh. Sheibarov, Ekon. sel'khoz. 40 no. 4: 105-107 Ap '65.

## SOVIET CENTRAL ASIA—DECORATION AND ORNAMENT, ARCHITECTURAL

Synthesis of the arts in the architecture of Central Asia, V. L. Voronin, Arkhit. nas. 17: 215-220 '64

## SOVIET CENTRAL ASIA—DESERT ECOLOGY

Animal world of a sand desert, N. N. Drordev, Priroda 54 no. 4: 71-77 Ap '65.

## SOVIET CENTRAL ASIA—FIELD CROPS—IRRIGATION

Long-term use of mineralized ground waters for leaching and vegetative irrigation S. Mikhalkov, Sborn. nauch. rab. asp. SoluzNIKHII no. 5: 313-320 '64

## SOVIET CENTRAL ASIA—IRRIGATION

New tasks in the field of improvement of saline soils, I. S. Rabochev, N. M. Reshetkina, Izv. AN Turk. SSR, Ser. biol. nauk no. 2: 3-7 '65.

## SOVIET CENTRAL ASIA—KARAKUL SHEEP

Rug wool, A. Kantsopol'skii, Zakup sel'khoz. prod. no. 3: 27-28 Mr '65.

## SOVIET CENTRAL ASIA—MINARETS

Structural characteristics of Central Asian minarets of the period from the 10th to the 12th century, A. M. Pribytkova, Arkhit. nas. 17: 195-206 '64.

## SOVIET CENTRAL ASIA—MODULAR COORDINATION (ARCHITECTURE)

Module in the monuments of Central Asian architecture, K. S. Kriukov, Arkhit. nas. 17: 158-168 '64.

## SOVIET CENTRAL ASIA—REVOLUTION, 1917-1921

Better the level of academic publications, A. I. Zevolev, V. I. Mineev, Ist. SSSR 9 no. 1: 227-229 Ja-F '65.

## SOVIET CENTRAL ASIA—SALINE AND ALKALI SOILS

New tasks in the field of improvement of saline soils, I. S. Rabochev, N. M. Reshetkina, Izv. AN Turk. SSR, Ser. biol. nauk no. 2: 3-7 '65.

2101

## SPIDERS

Ivanov, A. V. [Spiders, their structure, way of life and significance for man] Pauki, ikh stroenie, obraz zhizni i znachenie dlia cheloveka [Leningrad] Izd-vo Leningr. univ., 1965 304 p

## SPILLWAYS

Selecting a design scheme for a tubular-type pressure spillway. V S Misenov Trudy VNIIGM 11 74-81 '61

## SPINAL CORD

Endings of presynaptic fibers in the motor neurons of the spinal cord in human embryos K V Shuleikina, N G Gladkovich Biol. zhur. 59 no 4:106-111 Ap '65

Role of the spinal cord in the regulation of lymph circulation. I A Potapov Trudy Inst. fiziol. AN Kazakh SSR no 64-100 '65

## SPINAL CORD—ABNORMALITIES AND DEFORMITIES

Review of E B Krasovskii's Abnormalities of the central nervous system. I U V Gult'kevich Arkh. pat. 27 no 3 88-90 '65

## SPINAL CORD—DISEASES

Histopathology of the spinal cord in thyrotoxicosis and experimental hyperthyroidism. F. A. Aizenshtein. Probl. endok. i gorm. 11 no 1:100-113 Ja-F '65.

## SPINAL CORD—INNERVATION

Reflex activity of the spinal cord following stimulation of the posterior columns L R Kyrykavilla Soob. AN Gruz SSR 28 no 3 601-606 My '62

## SPINAL NERVES see Nerves, Spinal

## SPINE—ABNORMALITIES AND DEFORMITIES

Anesthesia in surgery for scoliosis. I N Kazantsev, A N Podolskii, Z V Nakhrova Ortop. travm. i protez. 26 no 2 70-71 F '65

Comparative evaluation of some forms of anesthesia in spinal surgery for scoliosis N M Dibobas Ortop. travm. i protez. 26 no 2 71-72 F '65

Concerning Professor L I Shulutko's article "Defects of posture and scoliosis" I. I. Kon Ortop. travm. i protez. 26 no 1-81-82 Ja '65

Defects of posture and scoliosis R B Akhmedzianov and others Ortop. travm. i protez. 26 no 2 74 F '65

Experience in anesthesia in surgery for grave forms of scoliosis N V Menailov, E A Koroleva Ortop. travm. i protez. 26 no 2 71 F '65

Pathogenesis of scoliosis following poliomyelitis A D Buragina Ortop. travm. i protez. 26 no 2 33-36 F '65

## SPINE—BLOOD SUPPLY

Pathology of the cerebral and spinal blood circulation in occlusions of the superior vena cava. N. K. Bogolepov, L. G. Erokhina. Zhur. nev. i psikh. 65 no 4 524-530 '65

## SPINE—DISEASES

Brucellar lesions of the spine and the sacroiliac joint under conditions of sensitization with a specific antigen D P. Mergold Zhur. mikrobiol., epid. i immun. 41 no 10 142-143 '64

## SPINE—FRACTURE

Characteristics of the course of acute appendicitis in children with spinal fractures. M. L. Dmitriyev, L V Prokopova Vest. khir. 93 no 12, 88-90 D '64

Results of treatment in spinal fractures V S Balakina, K V Ruban Ortop. travm. i protez. 26 no 1:11-18 Ja '65

## SPINE—SURGERY

Anesthesia in surgery for scoliosis. I N Kazantsev, A N Podolskii, Z V Nakhrova. Ortop. travm. i protez. 26 no 2 70-71 F '65.

Comparative evaluation of some forms of anesthesia in spinal surgery for scoliosis N M Dibobas Ortop. travm. i protez. 26 no 2:71-72 F '65

Experience in anesthesia in surgery for grave forms of scoliosis N V Menailov, E A Koroleva Ortop. travm. i protez. 26 no 2 71 F '65.

## SPINNING

Application of radiation for the analysis of the contact between fibers in the products of spinning. L A Kuligin. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 2, 66-70 '65

## SPINNING MACHINERY

Calculation of friction resistance during the longitudinal movement of a thread in the air. V. I. Kurkin, I. V. Lebedev. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 1: 88-72 '65.

Design for critical speeds of the EVA electric spindle of acetate silk spinning machines. E. A. Popov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 2:149-153 '65.

Determining the amount of air entering through the thread guide into the spinning centrifugal pot rotating in a free space. E. K. Avvakumov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 1:117-122 '65.

Equations of thread winding on rotating surfaces. F. D. Firemov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 2, 77-81 '65

The PK-114 ShG spinning and twisting machine for worsted manufacture. V. K. Afanas'ev, L. N. Simakova. Biol. tekhn. ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform. 18 no 3:38-40 Mr '65

Wet spinning of flax directly from silver. I. V. Volkov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 2 18-51 '65.

## SPINNING MACHINERY—CLEANING

Application of ultrasonic waves in the cleaning of the waste catches: tubes of spinning machinery V I Egorov, Z S Reigin V A Sakharov Tekst. prom. 25 no 5 32-31 My '65

## SPINNING MACHINERY—ELECTRIC DRIVING

Requirements of the electric driving for the "Tekstima" type wool spinning machine. B. V. Ginzberg. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 1:127-132 '65.

## SPINNING MACHINERY—LUBRICATION

Reducing the wear of spindle pins due to the continuous lubricant filtration in their bushings N N. Lebedeva and others Tekst. prom. 25 no 4:69-71 Ap '65.

## SPINNING MACHINERY—PARTS

Device for fiber illumination on spinning and twisting machines M M Malyshev, A N Metlin Tekst. prom. 25 no 4 27-29 Ap '65

Effect of moisture absorption on the hardness of and used for the manufacture of travelers. I. V. Rovnov, M. I. Khudykh. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 1:147-151 '65.

## SPINNING MACHINERY—TESTING

Investigating the wear of "antifrik" plastics in connection with their use as substitutes for bronze in wet spinning machines for flax V D. Timofeev, M. I. Khudykh. Izv. vys. ucheb. zav., tekhn. tekst. prom. no 2:155-160 '65

## SPIRAL GEARING see Gearing, Spiral

## SPIROCHETOSIS

Mechanism of the transmission of the causative agent of spirochetosis of birds by the tick Argas persicus (Oken, 1818) R. E. Nikitina Zool. zhur. 44 no 2 281-286 '65

New data on tick-borne spirochetosis R. A. Baitamova Zool. zhur. 44 no 2 287-288 '65

## SPLEEN—BLOOD SUPPLY

Characteristics of the structure of intraorganic tubular and segmentary blood vessels of the human spleen M. A. Polianskin Dop. AN URSR no 5 662-666 '65.

## SPLEEN—INNERVATION

Reflex influences from the spleen receptors on the coronary blood circulation. M. I. Kolnova. Izv. AN Kazakh SSR. Ser. biol. nauk 3 no 2:72-76 Mr-Apr '65.

## SPLEEN—SURGERY

Change in the mineral components of the blood serum under the effect of splenectomy and parathyroidectomy. V. P. Komissarenko, M. N. Levenchenko, O. S. Klymenko Fiziol. zhur. [Ukr.] 9 no 1:6-12 Ja-F '63

## SPLINTS (SURGERY)

Modernization of Diterikhs' splints. S. V. Voinov Voen.-med. zhur. 10 80 '64.

## SPONGES, FOSSIL

Detailed subdivision of Palaeocyonidae group. O. S. Vialov, B. T. Golev Biol. MOIP. Old geol. 40 no 2 93-114 Mr-Apr '65

## SPONTANEOUS COMBUSTION see Combustion, Spontaneous

## SPORES (BOTANY)

Microsporogenesis in Triticum timopheevi. L. G. Simonian. Izv. AN Arm SSR Biol. nauki 18 no 3 44-49 Mr '65

Polymorphism in the fungus Plasmopara (Peronosporaceae). N. S. Novotel'nova. Bot. zhur. 50 no 3:301-312 Mr '65.

## SPORTS

Further improvement of training methods for athletes of the higher classes (in the nature of a discussion) M. A. Agranovskii. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4 67-60 Ap '65

Liubomir, N. [Physical education and sports in the U.S.S.R.] Fizicheskaia kul'tura i sport v SSSR. Moskva, Fizkul'tura i sport, 1963. 133 p. (NIC)

New distribution of forces on the international sports arena after the Second World War. V. V. Stobov, Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4:53-56 Ap '65.

Test in sports accomplishment. Sov. profsoyuzy 21 no 11:32-33 Je '65.

## SPORTS—PERIODICALS see Subdivision under Germany, East

Adaptive changes in the athlete's organism following the improvement of his training and the development of his sports form I P. Baichenko Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 1 70-73 Ap '65.

Blood circulation rate as one of the criteria of training. N. I. Vol'nov Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4 33-35 Ap '65

Changes in the functional state indices of a boxer from the effect of a competitive fight. I. I. Sitokina, A. V. Sitokina Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4 36-40 Ap '65

Effect of physical education and sports on the functional state of the visual analyzer of deaf children and adolescents V A. Il'ichev Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4 18-50 Ap '65

Effect of the medium altitude range of the Tien Shan on the development of strength and speed in athletes. D. A. Alipov Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5:30-33 My '65.

Effect of training on the zinc and iron content in athletes' blood S K. Piskun Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4:31-33 Ap '65

Qualitative evaluation of blood pressure after a functional test "LNIIFK" (2 minute running in place at 180 steps a minute) I. U. V. Belotokii Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 1 50-52 Ap '65

Study of athletes under the conditions of hypoxia as a method for the evaluation of functional state and training. S. P. Letunov and others Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 1:20-26 Ap '65

Tension and relaxation of muscles in the shell and canoe oarsmen. T. P. Panagovskina, I. M. Smol'nikova. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4:48 Ap '65

## SPORTS—PHYSIOLOGICAL EFFECT

Changes in the autographic indices of sleep in athletes from the effect of training loads and competitions I. I. Gabashvili, Z. V. Tselina Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5:41-44 My '65

Effect of competition on the middle aged and old people who occupy themselves with physical education and training. N. Kh. Zhukova, V. S. Zakhunov. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5:60-72 My '65.

Excitation of sensory apparatus under the conditions of the medium altitude range of mountain climate. M. U. Khvan. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5:50-61 My '65.

Strength of the nervous system, abilities and the will power of an athlete. L. F. Fupnov Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5:53-66 My '65

## SPORTS—PSYCHOLOGICAL ASPECTS (see also Subdivision under Germany, East)

Physical perfection as a new social category. V. Ziger. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4:56-58 Ap '65

Strength of the nervous system, abilities and the will power of an athlete. L. F. Fupnov. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5:53-66 My '65.

## SPORTS MEDICINE

Changes in the morphological composition of the blood in underwater diversions of athletes. M. I. Syrcolina. Fiziol. zhur. [Ukr.] 9 no 1:77-81 Ja-F '63

Delayed dysfunction of the vestibular-vegetative apparatus in athletes with a history of cerebral and brain trauma P. I. Gotovtsev. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 4:44-48 Ap '65

Use of protein hydrolysates during heavy training loads. V. A. Rogozkin, I. A. Afar, N. V. Morzhovikov. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no 5 56-59 My '65.

## SPRAY PAINTING, ELECTROSTATIC

Some characteristics of the electric painting of wood. A. L. Minin, B. A. Vikhorev. Der. prom. 14 no 4 15 Ap '65.

## SPRAYING AND DUSTING EQUIPMENT

Chenkin, A. F., and I. S. Makarova. [Manual on poisonous chemicals and equipment used in the control of pests, plant diseases and weeds] Spravochnik po khimikatsii i apparaturе, primeniamym v bor'be s vreditel'ami, bolezniami rastenii i sor'nakami. 2. dop. izd. Moskva, Rossel'khozizdat, 1965. 456 p. (DNAL)

Mechanized application of pesticides in soil. I. V. Voletskii. Inform. biol. VDNKH no 4:29-31 Ap '65.

## SPRAYING AND DUSTING EQUIPMENT—TESTING

Experimental determination of the dimensions of the torches of rotating atomizers in quiescent and moving gases. A. M. Lastovtsev, N. I. Deriabina. Trudy MIKHIM 26:113-130 '64.

## SPRING see Subdivision under Kandalaksha region (Murmansk Province); Siberia

## SPRINGS (MECHANISM)

Designing the mechanism of spring-type instruments. I. A. M. Tsolitin. Izv. tekhn. no 3:17-18 Mr '65.

Improving the quality of springs and increasing the economic efficiency of their manufacture. E. M. Karlik. Vest. mashinostr. 46 no 4:73-75 Ap '65.

## SPRINGS (MECHANISM) (Continued)

Improving the spring system in electric vibrating machines  
I. A. Kudachov, G. I. Malyshev, T. V. Sanakoev, Obshch. nauch. rab. 8 no. 133-36 '64

## SPRINKLER IRRIGATION

(see also subdivision under Russia, Northwestern)  
Irrigation system for peaches in the Goleznaya Steppe.  
A. Makhmurov, Sborn. nauch. rab. asp. Soluz. NKHI no. 5 265-302 '64

## SPRINKLERS

Changing the design of cam coupling for the DDA-100M sprinkling unit. N. Borovskii, Tekhn. v sel'khoz. 25 no. 4:22-23 Ap '65

Evaluating existing types of sprinklers and selecting the optimal conditions for their operation. E. I. Ontin, V. S. Ivashkin, Nauch. soob. Vostnii no. 130-34 '61

Hydraulic losses in jet sprinkler apparatus. N. A. Grigor'yan, Trudy VNIIGIM 11:129-134 '64

Studying dynamic stresses originating in the truss of the DDA-100M sprinkler unit during its motion. I. T. Prilepin, Trudy VNIIGIM 41:117-120 '64

SPRUCE see subdivision under Kalinin Province

SPRUCE—DISEASES AND PESTS see subdivision under Ketmen' Range region

SPRUCE BARK BEETLE—EXTERMINATION see subdivision under Georgia

## SPRYSKOV, ALEKSANDR ALEKSANDROVICH, 1904-

Aleksandr Aleksandrovich Spryskov, on his sixtieth birthday. B. I. Kuvshinov, Izv. vuz. ucheb. zav., khim. i tekhn. 7 no. 6:1029-1030 '64

SPUR GEARING see Gearing, Spur

SPUTNIKS see Artificial satellites

## SPUTTERING (PHYSICS)

Thin films produced by cathode sputtering of ferrites.  
O. P. Pavlichenko, G. V. Spivak, V. V. Shkabanov, Izv. AN SSSR, Ser. fiz., 20 no. 6:620-628 Ap '65

## SQUIDS

Mechanism of soaring in pelagic squids. G. V. Zuev, Biologiya 10 no. 1:191-192 '65

## SRDIC, DANILO, d. 1937

Ochak, I. D. [Danilo Srdic, the red commander] Danilo Srdich, krasnyi komandir. Moskva, Politizdat, 1964, 78 p. (Gerol. i podvigi) (MII)

## SREDNYAYA US'VA REGION (PERM PROVINCE)—SWAMPS

Spring-fed bog in the vicinity of the village of Srednyaya Us'va (Central Urals). A. D. Smirnova, Bot. zhur. 50 no. 4:571-578 Ap '65

## STABILITY

Investigating the stability of eight-axle gondola cars during one-sided unloading. B. S. Evstaf'ev, Trudy MFT no. 105:27-37 '64

Vsesoyuznaya konferentsiya po problemam ustoychivosti v stroitel'noi mekhanike, Moskva, 1963. [Problems of stability in structural mechanics; transactions] Problemy ustoychivosti v stroitel'noi mekhanike, trudy, Moskva, Stroiizdat, 1965, 474 p.

## STABILITY OF AIRPLANES

Automatic longitudinal balancing system of a turboprop airplane. I. Glazkov, N. Galkin, Av. i kosm. 47 no. 9:50-61 Je '65

Measuring the transfer functions of the IL-14 airplane. B. M. Kopylov, Izv. AN SSSR, Fiz. atm. i okeana 1 no. 1: 66-75 Ja '65

## STABILITY OF SHIPS

Efficient classification of aerial fishing and transport ships in groups based on their stability. IU. M. Rizanov, Ryb. khoz., 41 no. 3:26-32 '65

## STABNIKOV, VSEVOLOD NIKOLAEVICH, 1905-

Professor Vsevolod Nikolaevich Stabnikov, Izv. vuz. ucheb. zav., pishch. tekhn. no. 2:7-8 '65

## STAINS AND STAINING (MICROSCOPY)

Alpha cells of the islands of Langerhans of the pancreas in persons of various ages. N. A. Zhukov, Arkh. pat., 27 no. 4:30-34 '65

Method of staining plasmatic cells. M. G. Shubich, Arkh. pat., 27 no. 4:80-81 '65

STALACTITES see subdivision under Solikamsk region

STALINGRAD see Volgograd

## STALINGRAD, BATTLE OF, 1942-1943

Climbing the Mamai Kurgan. A. Solov'ev, Sov. voyn. 47 no. 9:29 Mr '65

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

## STAMMERING

Analysis of some cases of recurrent stammering based on data of late catamnesis. N. A. Vlasova, Zhur. nev. i psikh., 65 no. 5:750-752 '65

Results of medicinal treatment of stammering in adults. V. S. Kochergina, Zhur. nev. i psikh., 65 no. 5:753-756 '65

## STANDARDIZATION

(see also subdivision under Azerbaijan; Donetsk Economic region, Kazakhstan, Leningrad; Ukraine)

At the sixth session of the International Organization of Standardization. P. V. Kondrat'ev, Standartizatsiya 29 no. 3:61-61 Mr '65

Kokhtev, A. A. [Fundamentals of standardization and normalization] Osnovy standartizatsii i normalizatsii, Moskva, Vysshaya shkola, 1965, 105 p.

Lapinov-Skolob, M. Ia. [Quality of production in the decisions of the state arbitration agencies] Kachestvo produktov v praktike Gosarbitrazha, Moskva, Iuridicheskaya literatura, 1965, 84 p.

Plotting series of standard sizes by means of mathematical solutions. N. I. Pas'ko, Standartizatsiya 29 no. 3:22-26 Mr '65

Prizes awarded at the Exhibition of the Achievements of the National Economy for works in standardization. M. A. Slofir, Standartizatsiya 29 no. 3:59-61 Mr '65

Standards and quality. Standartizatsiya 29 no. 3:2-3 Mr '65

Ways of improving standardization. Standartizatsiya 29 no. 3:4-7 Mr '65

## STANDARDS, ENGINEERING

[Index of state standards for 1965; in effect as of January 1, 1965] Ukazatel' gosudarstvennykh standartov 1965 (po sostoiianiu na 1 yanvaria 1965 g.). [Ed. ofitsial'] - noe Moskva, Izd-vo Standartov, 1965, 807 p. [Information index of standards] Inform. ukaz. stand., 26 nos. 2-3 '65.

STANISLAV PROVINCE see Ivano-Frankovsk Province

## STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

Uvarova, E. D. [Ethics of K. S. Stanislavskii and amateur art activities] Etika K. S. Stanislavskogo i khudozhestvennaya samodeiatel'nost'. [Moskva] Profizdat, 1964, 91 p. (NNC)

## STANOVY RANG—ROCKS, IGNEOUS

Small Mesozoic intrusions in the northwestern part of the Stanovoy Range. L. P. Gurov, L. P. Gurova, Dokl. AN SSSR 162 no. 2:401-404 My '65

## STAPHYLOCOCCAL DISEASE—PREVENTION

Methods for the control of carriers of pathogenic staphylococci. Z. V. Ermolaeva and others. Trudy TSU 68:125-130 '64

## STAPHYLOCOCCAL DISEASE—PREVENTIVE INOCULATION

Antenatal prevention of staphylococcal infection. R. M. Starukh, Akush. i gign. 40 no. 5:87-89 S-O '61

## STAPHYLOCOCCUS

(see also subdivision under Transcarpathia)  
Comparison of the sensitivity of pathogenic staphylococci to antibiotics with the results of their phage typing. I. M. Buntatova, Antibiotiki 10 no. 2:165-169 F '65

Content of pathogenic staphylococci in the feces of children with intestinal diseases. M. I. Ginzind and others. Zhur. mikrobiol., epid. i immun. 41 no. 11:31-35 N '64

Correlation of the indices of immunological changes in the animal organism under the effect of immunization with staphylococcal and diphtheria antitoxins. Report No. 2. A. V. Litgunova, Zhur. mikrobiol., epid. i immun. 41 no. 10:77-80 '64

Effect of antibiotics salvin and kanasatin on pyogenic cocci. IE. L. Mishenkova, Mikrobiol. zhur., 27 no. 2: 45-48 '65

Lyophilization of type-specific staphylococcal phages. N. P. Nefed'eva and others. Zhur. mikrobiol., epid. i immun. 42 no. 4:121-125 Ap '65

Phagotyping of staphylococci isolated from tuberculous patients and medical personnel. I. R. Dorozhikova, Zhur. mikrobiol., epid. i immun. 41 no. 11:90-94 N '64

Possibility of elimination of cross reactions between streptococci of various groups and staphylococci in using the fluorescent antibodies method. T. A. Danilova, M. Ia. Koon, Zhur. mikrobiol., epid. i immun. 41 no. 11: 13-15 N '64

## STAPHYLOCOCCUS—CULTURES AND CULTURE MEDIA

Study of the cytotoxic effect of staphylococcal toxins on tissue culture. Report No. 1. Selection of a tissue culture most sensitive to the effect of staphylococcal toxins. E. I. Bellaev, Zhur. mikrobiol., epid. i immun. 41 no. 10:92-97 '64

## STARCH

Electrophoresis of proteins in a starch block. V. D. Uspenskaya, Sovr. metod. v biokhim., 1:87-110 '64

Investigating the precooking methods of potato starch. M. G. Stolin, Izv. vuz. ucheb. zav., pishch. tekhn. no. 1: 61-65 '65

Using modified starch in case of drilling in salt-bearing sediments in eastern Turkmenistan. T. I. Kolesnikova and others, Bureine no. 7 20-22 '61

## STARCH INDUSTRY

Separation of the potato starch suspension on multihydrocyclones with elements of an efficient design. N. S. Shipunova, L. P. Kalinina, Sakh. prom. 39 no. 3:58-63 Mr '65

## STARCH INDUSTRY—BY-PRODUCTS

Complete utilization of the dry substances of corn kernels in the enterprises of the starch and molasses industry. B. A. Veksler and others, Sakh. prom. 39 no. 3:52-57 Mr '65

Pazluk, K. I. [Utilization of the wastes of the overall processing of potato] Ispol'zovanie otkhodov pri kompleksnoi pererabotke kartofelia, Moskva, TSentr. in- nauchno-tekhn. informatsii pishchevol. promyshl., 1964, 51 p. [MICROFILM]

## STARCH INDUSTRY—EQUIPMENT AND SUPPLIES

Pazluk, K. I. [AKPCh-25-50 unit for the complete processing of potato] Agregat AKPCh-25-50 dlia kompleksnoi pererabotki kartofelia, Moskva, TSentr. in- nauchno-tekhn. informatsii pishchevol. promyshl., 1964, 25 p. [MICROFILM]

## STARS—CATALOGS

Catalog of the right ascensions of 488 stars in the Program of the Time Services of the U.S.S.R., observed in 1957-1960 with the Bamberg photoelectric transit instrument No. 11675. Uch. zap. LGU no. 326:127-182 '64

## STARS—CLUSTERS

Distances between star clouds of the Milky Way and the spiral structure of galaxies. E. B. Kostakova, Astron. zhur., 12 no. 3:537-542 My-Je '65

Polarimetric study of the nebular NGC 6523 and the open cluster NGC 6530. V. N. Movchan, Uch. zap. LGU no. 326:44-52 '64

## STARS—OBSERVATIONS

Experience in estimating the threshold sensitivity of a television system from observations of stars. A. N. Abramenko and others, Dokl. AN SSSR 161 no. 6: 1299-1300 Ap '65

Source of the systematic error occurring in determining the axial inclination of a transit instrument. D. V. Zagrebina, Uch. zap. LGU no. 326:163-173 '64

## STARS—PROPER MOTION

Planck stellar velocity distribution. Part 2. R. B. Shatsova, Astron. zhur., 42 no. 3:581-589 My-Je '65

## STARS—SPECTRA

TiO absorption bands in spectra of M-stars. V. G. Buslavskii, Vest. LGU 20 no. 7:135-143 '65

## STARS, DOUBLE—ORBITS

Characteristics of the position of periastrons of spectral binary orbits. E. I. Brazhnikova, S. V. Babichuk, Astron. zhur., 42 no. 3:678-679 My-Je '65

Use of electronic computers in determining the orbital elements of eclipsing binaries (total and annular eclipses). V. M. Tabachnik, A. M. Shul'berg, Astron. zhur., 42 no. 3:500-504 My-Je '65

## STARS, MULTIPLE

Number of unstable systems among triple stars and galaxies. T. A. Agekian, Zh. P. Anosova, Uch. zap. LGU no. 236:103-117 '64

## STARS, NEW

Radio source 3C 346, residue of a supernova? IU. Pavlovskii, Astron. zhur., 42 no. 3:683-684 My-Je '65

## STARS, VARIABLE

AE Virginis, an RR Lyrae type star. V. P. Tsesevich, O. E. Mandel', Per. zvezdy 14 no. 6:510-513 D '63

Andromedae, T. A. Azarnova, Per. zvezdy 14 no. 6: 435-432 D '63

Brief summary of present-day data on the period-luminosity relation. IU. N. Efremov, Per. zvezdy 14 no. 6:444-456 D '63

The eclipsing binary TV Cassiopeiae. V. G. Karetnikov, Per. zvezdy 14 no. 6:513-516 D '63

Maxima of eight variable stars. T. A. Azarnova, Per. zvezdy 14 no. 6:504-505 D '63

Moments of minima of eclipsing variables. V. A. Chupilko, Per. zvezdy 14 no. 6:503 D '63

New stars of RR Lyrae type near the cluster M 15. N. E. Kurochkin, Per. zvezdy 14 no. 6:457-464 D '63

Period of AQ Lyrae. G. A. Lange, IU. E. Migach, Per. zvezdy 14 no. 6:502-503 D '63

Period of VZ Cygni. Z. Abidov, Per. zvezdy 14 no. 6: 493-500 D '63



## STARS, VARIABLE (Continued)

- Plenum of the Committee on Variable Stars of the Astronomical Council of the Academy of Sciences of the U.S.S.R. IU, N. Eremov. Per. zvezdy 14 no. 6:41-44 D '63
- Six long-period Cepheids. L. N. Koshkina. Per. zvezdy 14 no. 6:471-184 D '63.
- Three stars of RR Lyrae type. O. E. Mandel'. Per. zvezdy 14 no. 6:465-470 D '63.
- Two variable stars. G. E. Kufal'. Per. zvezdy 14 no. 6:505-510 D '63.
- The variable star Bamberg 63. A. A. Aliev. Per. zvezdy 14 no. 6:517-518 D '63.
- Visual observations of V V Pegasi. E. P. Strelkova. Per. zvezdy 14 no. 6:501-502 D '63.

## STARS, VARIABLE—SPECTRA

- Spectrophotometric study of the eclipsing variable star YZ Cassiopeiae. V. A. Dombrovskii. Uch. zap. LGU no. 326:19-25 '64.

## STARVATION

- Mathematical analysis of the changes in body weight in complete alimentary starvation in man. IU, L. Shapiro, L. E. Sternin. Pat. fiziol. i eksp. terap. 9 no. 2:66-68 Mr.-Ap '65

## STARVATION—THERAPEUTIC USE

- Problem of the dynamics of gas exchange in schizophrenic patients during the process of treatment with prolonged absolute alimentary starvation. V. N. Lapshin. Vop. klin. i patol. i tech. shiz. no. 1:85-87 '64.

## STATE, THE

- The essence of the nation as a historical social group. S. T. Kalitakchian. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 5:26-36 '64.

- STATE FARMS see subdivision under Karaganda Province; Lipetsk Province; Moscow Province, Turkmenistan

## STATE FARMS—ACCOUNTING

- Machine accounting on state farms. N. A. Nikiforova. Vop. stat. i ucheta no. 6:157-171 '62

- STATE FARMS—AUDITING AND INSPECTION see subdivision under White Russia

- STATE FARMS—FINANCE see subdivision under Ukraine

## STATE FARMS—MANAGEMENT

- (see also subdivision under Nikolayev Province)
- The force of inertia at work. V. Mikhailov. Sov. profsoyuzy 21 no. 10:4-6 My '65.
- Neighbors. A. I. Akovlev. Sov. profsoyuzy 21 no. 10:6-7 My '65.
- People, land and harvest. V. Belen'ko, A. Lipatov. Sov. profsoyuzy 21 no. 11:4-6 Je '65
- Planning deficiencies result in farm losses. D. Meksin. Ekon. sel'khoz. 40 no. 5:99-102 My '65

## STATES, NEW—GOVERNMENT OWNERSHIP

- Nationalization of industry in the developing countries. K. Bobkov. Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3:103-108 '65.

## STATES, NEW—SOCIALISM

- The nature of certain socialist theories in the present-day national liberation movement. L. I. Seleznev. Vop. filos. 19 no. 4:50-60 '65.

## STATIONERY

- About the dictaphone, the ball-point pen and just something about the notebook, the technical equipment of a journalist. K. Barykin. Sov. pakh. no. 4:33-35 Ap '65

## STATISTICAL DECISION

- Plotting series of standard sizes by means of mathematical solutions. N. I. Pash'ko. Standartizatsiya 20 no. 3:22-26 Mr '65
- Some problems in the statistical analysis of vibrations of a motor vehicle. K. I. Vil'pert and others. Avt. prom. 31 no. 4:26-29 Ap '65

## STATISTICAL MECHANICS

- Statistical mechanics of a one-dimensional system with Coulomb interaction. I. P. Pavlotekii. Dokl. AN SSSR 161 no. 5:1055-1058 Ap '65.

## STATISTICAL PHYSICS

- Some relations between thermodynamic functions and its theoretico-informational interpretation. R. L. Stratonovich, E. A. Zhil'kov. Vest. Mosk. univ., Ser. 3: fiz., astron. 20 no. 2:44-52 Mr.-Ap '65.

## STATISTICS

- Akademii nauk URSS, Kiev. Institut ekonomiki. [Problems of economics and statistics] Pytannia ekonomiki i statistiky. Kyiv, Naukova dumka, 1965, 231 p.
- Budget statisticians exchange experience. Iv. Zavrin. Vest. stat. no. 5:84 '65.
- Kupitsov, V. I. [On the nature of statistical regularities; author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] O prirode statisticheskikh zakonov, avtoreferat dissertatsii na soiskaniye uchenoj stepeni kandidata filosofskikh nauk. Nauchn. rukovoditel' F. I. Georgiev. Moskva, Mosk. gos. univ., 1963, 14 p.

[MICROFILM]

- Problems in the mechanization of statistical records in the system of the Central Statistical Administration. N. I. Shchedin. Vop. stat. i ucheta no. 6:183-204 '62
- Statistical problems discussed in newspapers and journals. Vest. stat. no. 5:78 '65.
- Statistics is a tool for obtaining scientific information. V. Kiylov. Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3:69-71 '65

## STATUTES

- Relation between statute and decree. L. V. Lazarev. Sov. gos. i pravo 35 no. 5:82-88 My '65.

## STAVROPOL TERRITORY—GRAIN ELEVATORS—MANAGEMENT

- Some problems of the economics of grain receiving enterprises. P. Shashurin. Zakup sel'khoz. prod. no. 3:16-18 Mr '65

## STAVROPOL TERRITORY—OIL FIELD FLOODING

- Selecting the water for injection into the petroleum reservoirs of oil fields in the Stavropol Territory. N. S. Gudok, I. A. Buriakov, T. F. Korlagina. Nefteprom. delo no. 2:23-27 '65

## STAVROPOL TERRITORY—OIL WELL CEMENTING

- Results of the investigation and use of belite-siliceous cement in Stavropol Territory. E. N. Katenev, D. F. Novozhatskii, A. A. Ostapenko. Burenie no. 1:20-32 '64.

## STAVROPOL TERRITORY—OIL WELL COMPLETION

- Using testers in the fields of the Stavropol region. P. I. Kolesnikov, A. D. Krasluk, A. I. Brintsev. Burenie no. 2:31-34 '65.

## STAVROPOL TERRITORY—OIL WELL DRILLING FLUIDS

- Stabilizing saline clay muds with gipon in wells with high bottom temperature. S. P. Pytel' and others. Burenie no. 1:25-28 '64
- Treating drilling fluids with chromates. E. G. Klats' and others. Burenie no. 4:14-17 '64.
- Treatment of drilling fluid when drilling the Galyugacskaya well No. 1 to a depth of 5500 m. N. I. A. Martynov, I. U. Z. Nikitin. Burenie no. 6:10-13 '64.

## STAVROPOL TERRITORY—OIL WELL LOGGING

- Investigating clay-mud circulation-loss zones in Stavropol Territory under conditions of increased bottom temperatures. E. A. Labedev and others. Burenie no. 11:8-11 '64

## STAVROPOL TERRITORY—OIL WELLS—AIR-GAS LIFT

- Causes of the breakage in the lift tubing in flowing wells on the fields of the Stavropol Territory. A. M. Shubaev, I. Z. Salatinian, I. U. V. Sal'tarskii. Nefteprom. delo no. 2:20-23 '65.

## STAVROPOL TERRITORY—PIPE, STEEL—CORROSION

- Causes of the breakage in the lift tubing in flowing wells on the fields of the Stavropol Territory. A. M. Shubaev, I. Z. Salatinian, I. U. V. Sal'tarskii. Nefteprom. delo no. 2:20-23 '65.

## STEAM

- Calculation of condensation jumps in the wet steam region. M. E. Deich, V. F. Stepanchuk, G. A. Salatanov. Teploenergetika 12 no. 4:81-84 Ap '65.

## STEAM—TABLES, CALCULATIONS, ETC.

- Determining the working steam consumption in steam jet refrigerating systems. M. A. Sil'man. Khol. tekhn. 42 no. 2:17-18 Mr.-Ap '65.

## STEAM BATHS see Baths, Steam

## STEAM BOILERS see Boilers

## STEAM BOILERS, MARINE see Boilers, Marine

## STEAM ENGINES, MARINE see Marine engines

## STEAM POWER PLANTS

- Automation of the blow-through of evaporators working with highly mineralized water. E. A. Miasnikov, I. A. Geivaidov. Teploenergetika 12 no. 4:33-34 Ap '65.

## STEAM TURBINES

- High-speed regulation of steam turbines improves power system stability. V. E. Kashellan, E. I. Uroevich, G. R. Gertsenberg. Elektrichestvo no. 4:1-6 Ap '65.
- Power unit with 800 thousand kw. rating. I. U. F. Indychenko. Energ. i elektrotekh. prom. no. 1:5-8 Ja-Mr '65.
- Stand tests of a forced jet chamber for liquid fuel. V. I. Khvostov, V. I. Solonin. Teploenergetika 12 no. 5:77-81 My '65

## STEAM TURBINES—DESIGN AND CONSTRUCTION

- Economic efficiency of using ceramic metal compacting materials in steam turbines. Z. F. Dorf, E. T. Donitsenka. Porosh. met. 5 no. 4:83-87 Ap '65.

## STEAMBOAT LINES

- Let's give the green light to regular liner services. K. Sivkov. Mor. flot 25 no. 5:15-17 My '65.

## STEAMPIPES

- Calculation of the temperature mode of flinned water walls. I. A. S. Zholudov, E. I. Konoplev. Teploenergetika 13 no. 5:71-74 My '65.
- Conditions of heat transmission during the combination of steam in parallel connected pipe clusters. I. D. Boiko, G. N. Krushilin. Teploenergetika 12 no. 6:4-7 My '65.
- Damage of steampipes due to heat fatigue of the metal. N. V. Bugal, L. A. Lebitskaja. Energ. i elektrotekh. prom. no. 1:50-51 Ja-Mr '65.
- Study of the heat exchange in the flow of a gas suspension in pipes. V. S. Nosov, N. I. Syromiatnikov. Teploenergetika 12 no. 5:85-86 My '65.
- Zakharov, E. S., S. V. Fal'kovskii, and V. M. Viganikh. [Experience in the installation and adjustment of steampipes in blocks with 150 and 200 Mw. ratings] Iz opyta montazha i naladki paroprovodov blokov moshchnosti 150 i 200 Mvt. Moskva, Blizn. tekhn. informatsii, 1964, 36 p.

[MICROFILM]

## STEAMPIPES—WELDING

- Effect of the heterogeneity of the strength properties of welded joints on their tendency toward local fracture. K. V. Linnavskii and others. Svar. proizv. no. 4:8-11 Mr '65

## STEEL

- Low-alloy structural steel for large power systems. I. N. Petropavlovskaja, R. B. Bogomol'nina. Teploenergetika 12 no. 4:58-63 Ap '65.
- Scale effect at high temperature and static load. V. I. Nikitin, M. G. Taubina. Teploenergetika 12 no. 4:63-67 Ap '65

## STEEL—CORROSION

- Corrosion processes on the surface of steel studied by the method of secondary ionic emission. V. I. Shvachko and others. Dokl. AN SSSR 161 no. 4:886-888 Ap '65.
- Effect of lithium salts on the oxidation of steel during its heating in flame furnaces. A. I. Vashchenko, A. I. Zen'kovskii, E. I. Mogilevskii. Izv. vys. ucheb. zav. i Chern. met. 8 no. 5:188-193 '65
- Feasibility of using a scintillation spectrometer for the determination of low rates of steel corrosion. M. A. Dombrovskii, G. M. Florianovich. Zashch. met. 1 no. 1:116-118 Ja-F '65.
- Inhibitors of carbon steel corrosion in diluted sulfuric acid. I. U. P. Aronson, S. M. Belen'kii. Zashch. met. 1 no. 1:125-130 Ja-F '65.

## STEEL—ELECTROMETALLURGY

- Use of intermediate products in the making of electric steel. V. S. Gajdar and others. Metallurg 10 no. 4:14-16 Mr '65
- Volume shrinkage of steel melted in an acid electric furnace. I. A. Shatov, V. P. Chernobrovkin. I. U. proizv. no. 6:31-32 Je '64

## STEEL—HARDENING

- Effect of the thermomechanical treatment on the mechanical properties of steel. I. F. Vyval', O. M. Romanov, H. V. Karpenko. Dop. AN URSS no. 4:474-477 '65.
- High-temperature thermomechanical treatment of 50C 2 steel with addition alloys of carbide-forming elements. R. I. Shuklarov, I. V. Palsov. Izv. vys. ucheb. zav. i Chern. met. 8 no. 5:157-161 '65.
- Inoculating rolling mill rolls with addition alloys by electric sparks. N. A. Grechkin and others. Met. i gornorud. prom. no. 2:77-78 Mr.-Ap '65.

## STEEL—HEAT TREATMENT

- Calorimetric investigation of thermal effects during the tempering of hardened steel. L. N. Laitkov, I. U. F. Iushchenko. Sbor. nauch. i ud. inst. metallofiz. AN URSS no. 19:87-94 '64.
- Composition of austenite formed during the rapid heating of steel. B. N. Grdnev, I. U. IA, Meshkov, S. P. Oshkaderov. Sbor. nauch. i ud. inst. metallofiz. AN URSS no. 19:165-160 '64.
- Processes of the formation and the elimination of porosity during the homogenization of hypereutectoid steel. E. N. Pogrebnol. Izv. AN SSSR, Met. no. 11:119-123 Ja-F '65
- Use of compartment-type furnaces for the heat treatment of high pressure pipe. E. S. Palatnikova. Metallurg 10 no. 3:20-30 Mr '65.

## STEEL—HYDROGEN CONTENT

- Investigating the resistance of 15Kh2MF and 12Kh2MF steels to hydrogen. V. I. Deriabina, N. N. Kolgatin, V. P. Teodorovich. Mash. i nett. obor. no. 4:12-14 '65.

## STEEL—MAGNETIC PROPERTIES

- Effect of transverse pressure and bending on the magnetic properties of transformer steel. I. IA, Elingorn. Elektrotehnika 36 no. 5:38-42 My '65

## STEEL—METALLOGRAPHY

- Changes in the mechanical properties and imperfections in the crystal structure during the quenching of hardened steel of the pearlitic class. L. I. Lysak, E. IA, Vekster, A. G. Drachinskaja. Sbor. nauch. i ud. inst. metallofiz. AN URSS no. 19:69-73 '64.

## STEEL—METALLOGRAPHY (Continued)

Diagram of the isothermal formation of austenite in steel V N G. Gidnev, I. U. A. Meshkov, S. P. Oshkaderov. Sbor. nauch. trud. Inst. metallofiz. AN URSSR no 20 148-153 '61.

Effect of a pulsating magnetic field on the position of the temperature range of martensite transformations in steel I. A. Fokina, L. V. Smirnov, V. D. Sadovskii, Fiz. metal. metalloved. 10 no 1 502-505 Ap '65.

Effect of slow low-temperature tempering on changes in the structure and properties of steel during subsequent tempering L. I. Lysak, A. G. Drachinskaya, Sbor. nauch. trud. Inst. metallofiz. AN URSSR no 19, 161-164 '64.

Electron microscopy of the structure of electrotempered steel V N G. Gidnev, I. U. N. Petrov Sbor. nauch. trud. Inst. metallofiz. AN URSSR no 19-80-86 '64.

Investigating the metal structure of rails hardened along their full length. A. N. Zamos and others. Met. i gornorud. prom. no 2:40-41 Mr-Apr '65.

Kinetics of the anomalous growth of austenitic grains in steel L. N. Larikov, F. A. Maksimenko, Sbor. nauch. trud. Inst. metallofiz. AN URSSR no 19 187-191 '64.

Martensite character of the intermediate transformation of austenite A. V. Bolotskii and others. Izv. AN SSSR, Met. no 1:104-107 Ja-F '65.

Modeling the white streak in weldments O. P. Pamina and others. Svar. proizv. no 3:13-14 Mr '65.

Structure of the transition zone in clad steel. M. G. Morozov, K. K. Varvashchev, L. V. Lobanova Izv. vys. ucheb. zav., mashinost. no 2 162-164 '65.

Temperature-speed conditions for the deformation of ShKh15 steel in the polymorphic transformation period I. A. M. Okhrimenko, V. I. Zaleskii, O. M. Smirnov Izv. vys. ucheb. zav., chern. met. 8 no 5:70-75 '65.

Zakharov, A. T. [Flow lines during deep drawing] Polosy tekuchestii pri shlamkovno-vytlazhke. Moskva, Mashinostroyeniye, 1965. 68 p.

## STEEL—METALLURGY

Aiming for the world's record I. Vetshtein, V. Shuraev Metallurg 10 no 3 23 Mr '65.

Determining aluminum consumption for the deoxidation of steel. N. I. Ischuk, K. K. Prokhorov. Izv. AN SSSR, Met. no 1:50-61 Ja-F '65.

Efficiency of increasing the compactness of packs in steelmaking A. T. Shipulin. Blat. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no 2:18-19 F '65.

Limiting element in the reaction of carbon oxidation in a steel smelting bath M. I. A. Medzhibozskii, A. A. Karavayev Izv. vys. ucheb. zav., chern. met. 8 no 5: 12-16 '65.

Production of graphitized steel by liquid inoculation of melts. M. M. Turbovskii. Lit. proizv. no 6:29-31 Je '64.

Using converters for steelmaking in shaped-steel casting foundries. N. M. Prikhod'ko. Met. i gornorud. prom. no 2:30-31 Mr-Apr '65.

## STEEL—STANDARDS

[Grade and high-grade steel; rolled sections and shapes and calibrated steel] Sial' kachestvennaya i vysokokachestvennaya; sortovoi i fazonnyi produkt i kalibrovannaya stal'. Led. ofitsial'nogo, Moskva, [Scales of micro- and macrostructures; supplement to...] Shkaly mikro- i makrostruktur (GOST 4543-61, GOST 801-80, GOST 1081-64, GOST 5950-63, GOST 5952-63); prilozhenie k... [1964?] 60 p.

## STEEL—TESTING

Characteristics of the low-temperature peak of internal friction in steel in the presence of manganese. I. A. Azizov, E. S. Nosyreva, K. V. P. Popov Fiz. metal. metalloved. 10 no 4:620-631 Ap '65.

Effect of the degree of the forging reduction on the properties of high-speed steel I. A. Revis, P. P. Bychkov. Trudy LITISBP no 14:15-21 '64.

Experimental investigation of the effect of a vacuum on the process of contact rupture of steels. S. V. Pinogin, V. M. Gudchenko, Mashinovedenie no 1:119-126 '65.

High-temperature rapid dependence of resistance to deformation in steels. L. D. Sokolov. Izv. AN SSSR, Met. no 1:121-135 Ja-F '65.

Investigating the effect of surface roughness on the contact strength of steel G. A. Gaidenko Izv. vys. ucheb. zav., mashinost. no 1:58-65 '65.

Regularities in the hardening and damage accumulation in the process of cyclic loading of low-carbon steel. N. N. Vasserman, V. A. Gladkovskii. Izv. vys. ucheb. zav., mashinost. no 2:68-77 '65.

Studying some problems of the endurance of high-speed cast steel as dependent on the technological factors A. I. Brodetski, M. P. Gushachenko, I. A. Revis Trudy LITISBP no 14:22-31 '64.

Using sand entrained by a rubber disk in testing steels for abrasive wear. M. M. Khrushchev, M. A. Babichev, Chao-Yuan. Mashinovedenie no 1:110-118 '65.

Volume shrinkage of steel melted in an acid electric furnace. A. I. A. Shatov, V. P. Chernobrovkin, Lit. proizv. no 6:31-32 Je '64.

Weldability of 15GL and 15GKhFL steel. V. I. Klementov, B. A. Smirnov. Svar. proizv. no 3:26-29 Mr '65.

## STEEL—THERMAL PROPERTIES

Investigating the heat conductivity of high-speed steels. V. A. Maikitenova Izv. vys. ucheb. zav., mashinost. no 4 168-172 '65.

## STEEL—WELDING

Resistance welding of hardened reinforcement rods made of carbon steel A. I. Brodetski, A. M. Fridman Svar. proizv. no 3:5-8 Mr '65.

Spot welding of hot-rolled metal without preliminary cleaning. M. V. Nogin, L. M. Shmyrev. Svar. proizv. no 3:15-17 Mr '65.

Weldability of 15GL and 15GKhFL steel V. I. Klementov, B. A. Smirnov. Svar. proizv. no 3:26-29 Mr '65.

Welding of hardened low-alloy steel A. S. Astaf'ev, V. S. Navoev. Svar. proizv. no 3:1-1 Mr '65.

## STEEL, STAINLESS—CORROSION

Electrolytic mechanism of the intergranular corrosion of stainless steels and methods of determining it. G. G. Kossyi, V. S. Kuzub. Zashch. met. no 1:142-47 Ja-F '65.

Investigating the inhibiting effect of NO<sub>3</sub> ions on the corrosion of stainless steel in 50-60% perchloric acid. P. F. Drozhzhin, L. I. Osipova. Zashch. met. no 1: 123-125 Ja-F '65.

## STEEL, STRUCTURAL

Gladysovskaya, S. A., and others. [Two-layer steel in chemical machine building] Dvukhsloynnye stali v khimicheskoi mashinostroyeni. Moskva, Mashinostroyeniye, 1965. 151 p.

[Production of lightweight rolled sections] Proizvodstvo oblegchennykh profilov prokata. [By] A. P. Chekmarev i dr. [Moskva] Metallurgiya, 1965. 423 p.

Use new structural steels extensively! I. Barenboim, E. Dubrova. Prom. stol. i inzh. soor. 8 no 2:32-34 Mr-Apr '64.

## STEEL, STRUCTURAL—BRITTLENESS

Effect of rare-earth metals on the susceptibility of structural steel to temper brittleness. A. S. Zuyvalov, M. M. Sandomirskii. Izv. AN SSSR, Met. no 1:113-118 Ja-F '65.

## STEEL, STRUCTURAL—CORROSION

Corrosion testing of certain structural materials in molten magnesium. A. B. Andreev, O. A. Putina. Zashch. met. no 1: 110-114 Ja-F '65.

## STEEL, STRUCTURAL—WELDING

Stabilization of the alternating current arc in argon arc welding of structural steel. A. G. Simonik Svar. proizv. no 3:20-30 Mr '65.

## STEEL ALLOYS—ANALYSIS

Effect of titanium and niobium on the properties of high-speed steel I. U. A. Gellor, V. F. Molisev. Izv. vys. ucheb. zav., chern. met. 8 no 5:152-155 '65.

Photometric determination of manganese in high-alloy steels and alloys. V. F. Mal'tsev, L. P. Lukhanenko Zhur. anal. khim. 20 no 3 394-396 '65.

## STEEL ALLOYS—TESTING

Investigating the wear resistance of complex-alloy high strength steels. I. V. Palsov, V. G. Krechmer. Izv. vys. ucheb. zav., chern. met. 8 no 5:148-151 '65.

## STEEL AND IRON BRIDGES see Bridges, Iron and steel

## STEEL CASTINGS

Perlite mixers for the risers in steel casting. E. E. Gamaruk. Blat. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no 2:57-58 F '65.

Production of graphitized steel by liquid inoculation of melts. M. M. Turbovskii. Lit. proizv. no 6:29-31 Je '64.

## STEEL CASTINGS—DEFECTS

Processes of the formation and the elimination of porosities during the homogenization of hypereutectoid steel. E. N. Pogrebnol. Izv. AN SSSR, Met. no 1: 119-123 Ja-F '65.

## STEEL CASTINGS—TESTING

Increasing engineering properties of steel castings at low temperatures. I. E. Kontorovich and others. Stroi. i dor. mash. no 4:32-33 Ap '65.

## STEEL FORGINGS

Forging long hollow cylinders from alloy steel. N. E. Sidorov. Kuz.-shlam. proizv. 6 no 12:30-38 D '64.

## STEEL FORGINGS—OPTICAL PROPERTIES

Investigating the distribution of plastic deformations by the photoelasticity method. N. M. Zolotukhin, I. Z. Entin, A. P. Getmanski. Izv. vys. ucheb. zav., chern. met. 8 no 5:78-81 '65.

## STEEL FORGINGS—TESTING

Mechanical properties of alloys following cold extrusion. I. U. F. Filimonov, G. P. Mikhailenko, G. V. Kuznetsov. Kuz.-shlam. proizv. 7 no 3:7-9 Mr '65.

## STEEL INDUSTRY

(see also subdivision under Ukraine)  
Bizhanova, M. I. [Material stimuli for speeding up technical progress in industry] Material'nye stimuly uskorennya tekhnicheskogo progressa v promyshlennosti. Pod nauchnoi red. V. G. Lebedeva. Moskva, Mysl', 1964. 87 p. (MI)

STEEL INDUSTRY—ACCOUNTING see subdivision under Magnitogorsk

## STEEL INDUSTRY—CONGRESSES

Improve the quality of sheet steel. I. R. Beasmermyl, A. I. Serovatin. Met. i gornorud. prom. no 2:82-83 Mr-Apr '65.

Intensification and improvement of the steelmaking process. V. D. Melezikh. Met. i gornorud. prom. no 2: 82 Mr-Apr '65.

## STEEL INDUSTRY—EQUIPMENT AND SUPPLIES

Stroganov, A. I., A. K. Petrov, and O. A. Iakunovich. [Raw materials for steelmaking] Syrye materialy v stalepavil'nom proizvodstve. [Chelabinsk] Iuzhno-Ural'skoe knizhnoe izd-vo, 1964. 77 p. (MICROFILM)

## STEEL INDUSTRY—LABOR PRODUCTIVITY

Martynenko, L. M. [Increasing labor productivity in the metallurgical industry] Povysheniye proizvoditel'nosti truda v metallurgicheskoi promyshlennosti. [Stalino] Knizhnoe izd-vo Stalino-Donbass, 1959. 64 p. (Voprosy konkretnei ekonomiki metallurgicheskoi promyshlennosti) (MICROFILM)

STEEL INDUSTRY—PRICES see subdivision under Ukraine

## STEEL INDUSTRY—QUALITY CONTROL

Formation of a multifrequency signal with consideration for information quantity. S. D. Anisimov. Izv. vys. ucheb. zav.; elektromekh. 8 no 4 437-440 Mr '65.

## STEEL INGOTS

Methods of heating steel billets and their technical and economic comparison A. A. Prostakov. Kuz.-shlam. proizv. 7 no 3 31-36 Mr '65.

Pouring steel with a 45 millimeter casting nozzle. O. V. Trifonov, S. I. Bogachev, A. N. Vasilev Metallurg 10 no 3 18-19 Mr '65.  
Shuraley, M. V., and L. S. Laptiev. [Metal stripping] work; cleaning and finishing of ferrous metals] Obrabotki; obrabotka chernykh metallov Moskva, Metallurgiya, 1964. 111 p.

## STEEL INGOTS—DEFECTS

Mechanism of the formation of internal hot cracks in a continuous rectangular ingot. N. G. Gladyshev and others. Izv. vys. ucheb. zav., chern. met. 8 no 5:40-44 '65.

## STEEL PIPE see Pipe, Steel

## STEERING GEAR

Calculations for the steering gear trapezoid as a three-dimensional mechanism. Selim R. V. Vira-bov. Trakt. i sel'khoz. mash. no 4:8-11 Ap '65.

Vasil'ev, A. V., and V. I. Beloglazov. [Using low speed steering devices] Ispol'zovanie podrukavitskikh ustroystv. Moskva, Transport, 1965. 65 p.

## STELAZINE

Dynamics of some somatic indices in the process of treating mental patients with stelazine. D. I. Khamolevskii. Vop. klin., patog. i lech. shiz. no 1:149-151 '64.

Stelazine treatment of paraphrenic states. A. N. Voskresenskaya. Vop. klin., patog. i lech. shiz. no 1: 10-22 '64.

Study of the antimicrobial properties of stelazine. R. D. Kogan, V. V. Kyrikadze, R. A. Tabakh. Vop. klin., patog. i lech. shiz. no 1:70-71 '64.

## STELAZINE—PHYSIOLOGICAL EFFECT

Effect of small doses of stelazine on the behavior of young animals. N. B. Polakova. Vop. klin., patog. i lech. shiz. no 1:116-117 '64.

## STEPPE FLORA see subdivision under Ural Mountains

## STEREOCHEMISTRY

Protolysis mechanism of cis- and trans-β-chlorovinyl mercury chlorides under the effect of HCl and DCl. I. P. Belotrykova and others. Dokl. AN SSSR 162 no 1: 86-89 My '65.

Stereochemical approach to the study of the geometry of the active surface of catalysts. E. I. Khabunovskii, A. A. Belandin, R. U. Mamedzade Dokl. AN SSSR 162 no 4:853-858 Je '65.

Stereochemistry of the nitrosation reaction of 2,3-dicarbomethoxy-7-oxabicyclo-(2,1,1)-5-heptene. N. S. Zaitsev and others. Zhur. ob. khim. 35 no 4:752-753 Ap '65.

Synthesis of cycloalkano-2,3-pyrrolidines and steric course of Leikart's reaction. M. A. Volodina, G. V. Kirilushkina, A. P. Terent'ev. Dokl. AN SSSR 162 no 1:90-93 My '65.

Synthesis of esters of stereoisomeric 4,5-dimethyl-2,4-heptadien-6-ynoic acid. M. V. Mavrov, V. F. Kucherov. Izv. AN SSSR. Ser. khim. no 3:546-548 '65.

## STEREOSCOPE

Making diapositives for a multiplex. N. P. Strokachin-shala. Izv. vys. ucheb. zav., geod. i aerof. no. 5, 83-86 '64

## STEREOSCOPIC VIEWS

Integral stereoscopy. V. Ezhkov. NTG 7 no. 3 51-56 Mr '65

## STERILITY IN ANIMALS

Stimulating sexual function in Karakul sheep using hormonal neurotropic preparations. S. A. Inditskaia. Dokl. Akad. sel'khoz. nauk. no. 2 30-32 F '65

## STERILITY IN PLANTS

Cytomorphological analysis of the sterility in *Crocus sativus* L. G. E. Kapinos. Izv. AN Azerb. SSR Ser. biol. nauk. no. 1 15-24 '65

## STERILIZATION

Experience in the use of sterilization and distillation equipment under field conditions. G. V. Shukhovenko, V. L. Bondarenko. Voen.-med. zhur. no. 11 65-67 '64

## STERNUM—SURGERY

Alloplasty in subtotal resection of the sternum. I. M. Grabchenko, P. Kh. Gaiduk. Vest. khir. 84 no. 2 98-97 F '65.

## STEROID HYDROXYLASE

Activity of 21- and 11 $\beta$ -hydroxylases in the adrenal glands of rabbits following repeated administrations of ACTH. N. A. Iudaev, M. S. Morozova. Probl. endok. i gorm. 11 no. 1 81-87 Ja-F '65.

## STEROIDS

Change in the 17-oxy corticosteroid content of the plasma in death from hemorrhage. A. V. Volkov. Ukr. biukhm. zhur. 37 no. 1 110-116 '65

Determining the quantity of 17-oxy corticosteroids of urine. M. A. Krekhova. Sovr. metod. v biokhm. 1 334-341 '64

Effect of repeated administration of ACTH on the activity of 3 $\beta$ -ol-dehydrogenase and the synthesis of steroids from progesterone in the adrenal glands of rabbits. M. S. Morozova. Probl. endok. i gorm. 11 no. 1 71-77 Ja-F '65.

Excretion of fractions of 17-ketosteroids with the urine during the postmenopausal period in women with and without a climacteric neurosis. G. I. A. Korneev. Probl. endok. i gorm. 11 no. 1 39-46 Ja-F '65.

Method of determining 17-oxy corticosteroids in peripheral blood plasma. H. A. Pankov. Sovr. metod. v biokhm. 1 341-346 '64.

New single-stage way of synthesizing steroid cis-16 $\alpha$ , 17 $\alpha$ -diols from keto oxides. A. A. Akhrem and others. Dokl. AN SSSR 162 no. 4 811-813 Je '65.

## STEROLS

Separation of sterols from the wastes of fat deodorization. N. I. Kozin, M. S. Kastornyykh, L. F. I. ezhkova. Izv. vys. ucheb. zav., pishch. tekhn. no. 1 89-91 '65.

## STILLBIRTH

Analysis of stillbirth based on data of the Obstetrical Clinical of the Leningrad Pediatric Medical Institute. Z. S. Shumova, G. M. Kochura, N. D. Kras'ko. Akush. i g. no. 5 148-150 S-O '64.

## STILPNOMELANE

Manganese ferrostilpnomelane. O. I. Matkovskii. Min. sbor. 18 no. 1 58-66 '64.

## STIMULANTS—SIDE EFFECTS

Changes in cutaneous vessels caused by chemical stimulants in elderly and senile persons under the effect of treatment with generally stimulating substances. A. V. Kolesov and others. Vop. geront. i geriat. 4 94-99 '65.

## STOBBE CONDENSATION

Stobbe's condensation with a free iminoxy radical. V. A. Golubev, E. G. Rozantsev. Izv. AN SSSR. Ser. khim. no. 4 716-718 '65.

## STOCK AND STOCKBREEDING

(see also subdivision under Gadyach District; Kallin Province; Sverdlovsk Province)

Develop communal stockbreeding in every way possible. N. Kuznetsov, E. Kon. sel'khoz. 40 no. 5 20-27 My '65.

## STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry, Veterinary medicine] Ref. zhur. Zhiv. Vet. no. 10 My '65. Avtorski ukazatel' za 1964 g.

STOCK AND STOCKBREEDING—ECONOMIC ASPECTS see subdivision under Alma-Ata Province; Skalat District

## STOCK AND STOCKBREEDING—STUDY AND TEACHING

Student excursion to a stock breeding farm. N. V. Ishchenko. Shkola i prof. 9 no. 5 85-87 My '65.

## STOCK CONTROL see Inventories

## STOCKINGS see Hosiery

## STOCKJUDGING

Judging Simmental breeding cattle by the meat quality of offspring. E. N. Zbrovarnyi. Trudy mol. uch. UASHN no. 9 5-8 '63.

Relation between butterfat and protein in milk in the zootechnical evaluation of cattle. B. M. Benekhis. Trudy mol. uch. UASHN no. 9 10-13 '63

## STOLIN DISTRICT—CLAY—ANALYSIS

Composition of refractory clays of Stoln District in the White Russian S. S. R. V. N. Shchubini. N. V. Zutsa. Dokl. AN SSSR 9 no. 2 111-111 F '65

## STOMACH

Characteristics of the mechanism of ascending activation of the cerebral cortex in mechanical stimulation of the stomach. K. V. Sudakov, L. S. Mnasin. Biol. eksp. biol. i med. 59 no. 4 8-11 Ap '65

Formation of experimental neoplasia in dogs resulting from simultaneous stimulation of the subcortex and the mechanoreceptors of the stomach. N. F. Suvorov. Nauch. soob. Inst. fiziol. AN SSSR no. 3 141-116 '65.

Histochemistry of the main cells of the fundic gastric glands. G. I. Kutakh. Arkh. anat. i gist. i cimb. 46 no. 4 75-79 Ap '64

Materials on the problem of reflex reactions in decorticated mammals. Report No. 1. Attempt of forming interoceptive motor-defensive conditioned reflexes in dogs. L. V. Lobanova. Nauch. soob. Inst. fiziol. AN SSSR no. 3 103-107 '65.

## STOMACH—CANCER

Cancer of the upper region of the stomach with transition into the esophagus in patients over 60 years of age. A. V. Bogdanov, L. I. Krutse, L. G. Kharitonov. Khirurgia 41 no. 4 52-56 Ap '65.

Formation of an artificial stomach from a segment of the transverse colon following gastrectomy for cancer. G. A. Danielian. Vest. khir. 84 no. 2 108-109 F '65.

Gastrectomy and esophagoduodenostomy in cancer of the stomach. V. S. Karpunichiev. Vest. khir. 84 no. 2 106-107 F '65.

Macroscopic form of gastric cancer and the characteristics of its growth and macroscopic expansion. U. T. Taktov. Khirurgia 41 no. 4 60-64 Ap '65

Repeated surgery for cancer of the stomach. A. I. Saenko. Vest. khir. 83 no. 12 3-7 D '64

Resection of the esophagus for recurrence of cancer in a patient having had extirpation of the stomach. T. V. Donskaia. Vest. khir. 83 no. 12 99 '64

Resection of the gastric stump in recurrence of cancer. A. G. Zemlanov. Khirurgia 41 no. 4 130-131 Ap '65

Surgical treatment of cancer of the gastric stump. O. S. Shkrob, A. V. Nikolaev. Khirurgia 41 no. 4 56-60 Ap '65

## STOMACH—DISEASES

Diagnosis and expertise of patients with some gastric and duodenal diseases. A. M. Zyblov, K. V. Zyblov. Voen.-med. zhur. no. 9 37-42 '61.

Examination of some trace elements in the blood of healthy dogs with lesions of the stomach and liver. N. S. Bakuleva. Pat. fiziol. i eksp. terap. 8 no. 2: 42-46 Mr-Ap '65.

Gastric torsion. I. V. Anpilov. Vest. khir. 83 no. 12: 102-103 '64

Primary actinomycosis of the stomach. I. N. Shubenko-Gabuzova. Arkh. pat. 27 no. 3 83-85 '65.

Role of gastroscopy in the diagnosis of diseases of the stomach. I. B. Rozanov, E. A. Kuzeev. Trudy TSIU 66 179-182 '64

## STOMACH—INFLAMMATION

Change in the blood sugar level following overeating by patients with gastric hyperacidity. E. S. Davliahvili. Soob. AN Gruz. SSR 29 no. 1 31-38 J1 '62

Endocrine function of the pancreas in peptic ulcer and chronic gastritis based on the indices of carbohydrate metabolism. P. V. Smolgovets. Sov. med. 28 no. 5: 71-75 My '65

## STOMACH—INNERVATION

Effect of the stimulation of stomach chemoreceptors by ascorbic acid on its content in the blood. L. I. Mamedova. Izv. AN Azerb. SSR. Ser. biol. nauk. no. 1: 93-99 '65.

Significance of gastric receptors for a differentiated alimentary behavior. V. G. Kasail'. Nauch. soob. Inst. fiziol. AN SSSR no. 3 50-83 '65.

## STOMACH—SECRETIONS

"Pancreatic" phase of gastric secretion. O. V. Berkova. Fiziol. zhur. 51 no. 3 362-371 Mr '65.

Participation of the nervous system in the mechanism of the action of adrenocorticotrophic hormone on gastric glands. I. T. Kurtsin, N. A. Iaroslavtseva. Nauch. soob. Inst. fiziol. AN SSSR no. 3 83-87 '65.

Participation of the nervous system in the mechanism of the effect of cortisone on gastric glands. I. T. Kurtsin, N. A. Iaroslavtseva. Nauch. soob. Inst. fiziol. AN SSSR no. 3 88-91 '65.

## STOMACH—SURGERY

Content of free hydrochloric acid and late results of gastric resection in perforating ulcer. V. F. Ivlev. Sov. med. 28 no. 1 49-53 Ja '65.

Duodenal fistulas following resection of the stomach. A. L. Kogen. Vest. khir. 82 no. 6 33-36 Je '64.

Daily fully adequate nutrition for patients following resection of the stomach. V. G. Valter, I. U. F. Chichkov. Vest. khir. 83 no. 12 11-11 D '61

Formation of an artificial stomach from a segment of the transverse colon following gastrectomy for cancer. G. A. Danielian. Vest. khir. 84 no. 2 108-109 F '65.

Immediate and late results of surgical treatment of non-epithelial tumors of the stomach. E. A. Kuzeev. Trudy TSIU 66 183-187 '61

Inflammatory tumors following resection of the stomach. V. A. Ovchinnikov. Vest. khir. 84 no. 2 104-105 F '65.

Iudin, S. S. [Studies on stomach surgery] L. Iudin, zhurnal khirurgii. 2. Izd. Moskva, Meditsina, 1965. 288 p.

(DNIM)

Methods of gastric resection insuring food passage through the duodenum. A. A. Shalimov. Vest. khir. 84 no. 2 109-112 F '65.

Removal of the cardia and the lesser curvature of the stomach in the resection of the thoracic portion of the esophagus for cancer. L. I. Rogozov. Vest. khir. 83 no. 12 7-10 D '64

Repeated surgery for cancer of the stomach. A. I. Saenko. Vest. khir. 83 no. 12 3-7 D '64

Resection of the gastric stump in recurrence of cancer. A. G. Zemlanov. Khirurgia 41 no. 4 130-131 Ap '65

Results of surgical treatment in perforating gastroduodenal ulcers. L. B. Reshetov. Vest. khir. 83 no. 12: 14-17 D '64.

State of an esophagointestinal anastomosis 15 years after gastrectomy for cancer of the upper region of the stomach with a transition to the esophagus. K. A. Makarova, A. V. Bogdanov. Khirurgia 41 no. 1 129-130 Ap '65

Surgical treatment of cancer of the gastric stump. O. S. Shkrob, A. V. Nikolaev. Khirurgia 41 no. 4 56-60 Ap '65

## STOMACH—TUMORS

Immediate and late results of surgical treatment of non-epithelial tumors of the stomach. T. A. Kuzeev. Trudy TSIU 66 183-187 '64.

Isolated lymphogranulomatosis of the stomach and the small intestine. T. I. Suchkova, F. I. Slonim. Arkh. pat. 27 no. 3 80-82 '65

## STOMACH—ULCERS

Functional state of the central nervous system in patients with stomach and duodenum ulcers and its changes resulting from treatment in the Likani Sanatorium. E. V. Atanashvili. Soob. AN Gruz. SSR 29 no. 1 95-100 J1 '62

Hemorrhage from acute ulcers in leukemia. N. K. Matveev. Khirurgia 41 no. 4 127-129 Ap '65.

Suture technique in perforating ulcers of the stomach and duodenum. A. M. Betanov, N. G. Kravishvili. Vest. khir. 84 no. 2 105-108 F '65.

STOMATITIS IN ANIMALS see subdivision under Sukhum

## STONE, CAST

Stone casting should be more widely used at Krivoy Rog Basin mining and ore dressing combines. V. V. Vaghi. Gor. zhur. no. 3 48-50 Mr '65

Using wear-resistant slag casting. I. S. Zilber, V. A. Litvin, P. P. Panushkin. Gor. zhur. no. 3 51-52 Mr '65.

## STONE, CAST—DEFECTS

Some causes for defects in stone casting. S. V. Iadakhin, B. Kh. Khan. Lit. proizv. no. 6 12-13 Je '64.

STONE AGE see subdivision under Deana Valley

STONE BRIDGES see Bridges, Stone

STONE FRUIT—DISEASES AND PESTS see subdivision under Moldavia

## STONE FRUIT BREEDING

Preliminary embryological characteristics of the distant hybrids of the Prunoidae subfamily. A. G. Turovtseva. Bot. zhur. 50 no. 3 381-384 Mr '65.

## STONECUTTERS

Improve the performance of SM-780A stonecutting machines. I. A. Abilamov, E. S. Osadchuk. Stroitel. mash. 8 no. 1 21 Ja '63.

Set of mechanisms for mechanizing removal operations in the PKB-02—04 stonecutting unit. I. R. Sitnik. Stroitel. mash. 8 no. 1 19-20 Ja '63.

## STONECUTTING

Ter-Azaret, I. A. [Dynamics of the process of cutting stone] Dinamika protsessov rezaniia kamnia. Erevan [Armenian] nauchno-issl. i inzh. stroitel'materialov i sooruzhenii] 1965. 105 p.

[MICROFILM]

## STONECUTTING—SAFETY MEASURES

Iablonekii, G. S. [Safety manual for operators (operators' assistants) of stone-cutting machinery during the underground work on stones] Pamiatka po tekhnike bezopasnosti dlia mashinistov (pomoshchnikov mashinistov) kamnerenzykh mashin pri podzemnykh razrabotkakh kamnia. Moskva, Stroizdat, 1965. 13 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

#### STOPING (MINING)

Caving of the roof without battery stulls in flat seam longwalls A. M. Naidysh, A. M. Novitskiy. Ugol' Ukr. 9 no. 4:10-11 Ap '65.  
Methods of determining and ways of increasing the efficiency of stoping in the Krivoy Rog Basin P. M. Vol'fson. Gor. zhur. no. 3:8-12 Mr '65.  
Ventilation of stopes at the Tsentral'naya mine of the Ingulets Mining administration. V. I. Tyshko, V. P. Dragunov. Met. i gor. prom. no. 2:55-56 Mr-Apr '65.

#### STORE FIXTURES

Good types of equipment. E. Kalugin, S. Kamenev. Sov. toig. no. 4:53-55 Ap '65.  
Stores should have modern equipment V. Smutshkin. Sov. poteb. koop. 9 no. 1:30-32 Ap '65.

#### STORES, RETAIL

(see also subdivision under Moscow)  
Decorating shopwindows and interiors with greenery N. Kharchenko. Sov. toig. 38 no. 4:50-61 Ap '65.

#### STOVES

Rostov-on-Don. Nauchno-issledovatel'skii institut po stroitel'stvu. [Stoves of industrial construction] Kom. nativye pechi industrial'nykh konstruktii. Rostov-on-Don, 1963. 37 p.  
[MICROFILM]

#### STOVES, GAS

Sosnin, Iu. P. [Gas heating and heating stoves] Gazovye otopitel'nye i otopitel'no-votopnye pechi. Izd. 3., dop. i perer. Moskva, Stroiizdat, 1965. 267 p.

#### STRAIN GAUGES

Device for remote measurements of stresses and deformations in soils. L. M. Bobylev. Avi. dor. 28 no. 3:14 Mr '65.

#### STRAINS AND STRESSES

Brak, P. I. [Surveying methods for measuring deformations of foundations and structures] Geodezicheskie metody izmereniia deformatsii osnovanii i sooruzhenii. Moskva, Nedra, 1965. 207 p.

Change in the domain structure of ferromagnetic films due to elastic stresses. V. G. Kazakov. Izv. AN SSSR. Ser. fiz. 29 no. 4:663-667 Ap '65.

Coefficients of the mean tangential stress of annular sections and their application in determining the deflection of the shafts of papermaking machines. S. E. Shvalov. Trudy I.TITSBP no. 14:40-50 '64.

Determination of dynamic stresses in traction chains of conveyor hoists for drill pipe with the aid of electric modeling Iu. M. Korkin. Izv. vys. ucheb. zav., gor. zhur. 8 no. 2:117-121 '65.

Determination of the stressed state in an eccentric ring elastically joined to a circular disc made of a different material. Iu. A. Amenzade. Izv. AN SSSR. Mekh. no. 1:142-145 Ja-F '65.

Determining the state of stress of the tank ends due to the end and hydrostatic pressure V. N. Koturjanov. Trudy MIT no. 185:5-11 '64.

Effect of an alternating stressed state diagram on the mechanical properties of metal Iu. P. Shvachkin, M. V. Popov, P. S. Soldatov. Izv. vys. ucheb. zav. i Chern. met. 8 no. 5:82-84 '65.

Effect of elastic stresses on the coercive force and shape of hysteresis loops in ferromagnetic films. V. A. Buravikhin, V. G. Kazakov, V. I. Popov. Izv. AN SSSR. Ser. fiz. 29 no. 4:550-552 Ap '65.

Effect of elastic stresses on the magnetization and magnetic reversal of ferromagnetic films. V. A. Buravikhin, V. G. Kazakov. Izv. AN SSSR. Ser. fiz. 29 no. 4:668-672 Ap '65.

Experimental determining of stresses in the picking mechanism parts of looms. G. M. Smirnov, N. T. Kostuchenko. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:80-91 '65.

Improvement of certain evaluations for stresses in problems in the theory of elasticity. M. G. Slobodan'skii. Izv. AN SSSR. Mekh. no. 1:139-141 Ja-F '65.

Method for calculating the flexure of shafts. M. A. Barg, I. A. Barg, A. L. Livshits. Elektrotehnika 36 no. 4: 54-55 Ap '65.

Quasi-regularity of infinite systems in the problem of stress concentration around curvilinear holes. A. S. Kosmodamianskii. Prikl. mekh. 1 no. 1:15-21 '65.

Stress concentration around a cylindrical (circular) hollow. V. G. Gromov. Prikl. mekh. 1 no. 1:82-88 '65.

Stress concentration around a reinforced hole in a cylindrical tank filled with a liquid. I. M. Pirogov. Prikl. mekh. 1 no. 1:119-121 '65.

Stress focusing on a half-plane and a plane with circular holes due to stretching. Iu. A. Ustinov. Izv. AN SSSR. Mekh. no. 1:145-148 Ja-F '65.

Stresses and unit pressures during forced metal flowing into corners of closed dies. A. Z. Zhuravlev. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:112-118 '65.

Studying dynamic stresses originating in the trunk of the DDA-100M sprinkler unit during its motion. I. T. Prilepin. Trudy VNIIGM 44:117-128 '64.

Studying the stressed state of reinforced concrete model sections of bridge trusses B. V. Bobrikov, A. V. Nosov, V. M. Chestnoi. Bet. i zh. - bet. 8 no. 9: 410-421 S '63.

Taking load concentration into consideration in stress analysis of a pinion body weakened by a key seat B. S. TSis. Izv. vys. ucheb. zav., mashinost. no. 1:56-77 '65.

Theory of reinforced bodies. V. V. Bolotin. Izv. AN SSSR. Mekh. no. 1:74-80 Ja-F '65.

STRAKHOVICH, KONSTANTIN IVANOVICH, 1905-  
Konstantin Ivanovich Strakhovich: on his 60th birthday. S. V. Vallander and others. Inzh. - fiz. zhur. 8 no. 3: 109-110 Mr '65.

#### STRANGLING

Accidental strangulation with clothing B. A. Kasagin. Sud. - med. eksp. i. 8 no. 1:14-15 Ja-Mr '65.  
Combination of causes of death or asphyxia by strangulation? I. A. Sokolov. Sud. - med. eksp. i. 8 no. 1: 45-46 Ja-Mr '65.

#### STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

#### STRAW—HARVESTING

Dynamic balancing of the drum of the PK-3, 5 chopper. Iu. V. Gushkov and others. Trakt i sel'khoz. mash. no. 3:30-40 Mr '65.

#### STRAWBERRIES

Effect of herbicides on the quality of strawberries. R. G. Zhuravskaya, T. M. Mukhametkhaliev. Khim. v sel'. kh. 3 no. 3:43-45 Mr '65.

#### STRAWBERRIES—PHYSIOLOGICAL EFFECT

Wild strawberry as a choleragogue. N. P. Skakun, I. Kh. Pasechnik. Vop. pit. 23 no. 5:75-76 S-O '64.

STREAM MEASUREMENTS see subdivision under Kuban Valley

#### STREET-CLEANING MACHINERY

Efficient methods of mechanized cleaning of city streets in summer G. L. Kaban. Nov. tekhn. zhil. - kom. khoz. i. Blagost. gor. [no. 1]: 26-29 '61.

Foreign machinery for sweeping streets and gathering refuse L. M. Gusev. Nov. tekhn. zhil. - kom. khoz. i. Blagost. gor. [no. 1]: 53-56 '61.

#### STREET RAILWAYS—RAILS—WELDING

Zil'ina, N. A., and N. Iu. Kostrovitskii. [Electric welding of rails on street railroad tracks] Elektrovannaya svarka rel'sov v putiakh tramvala. Moskva, Stroiizdat, 1965. 33 p.

#### STRENGTH OF MATERIALS

Approximate method for investigating relaxation processes. V. M. Muchnikov. Izv. vys. ucheb. zav., geod. i aerof. no. 5:106-116 '64.

Bolotin, V. V. [Statistical methods in structural mechanics] Statisticheskie metody v stroitel'noi mekhanike. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1965. 276 p.

Determining the specific surface of dispersed bodies by the method of the adsorption of carbon dioxide G. S. Khodakov. Shor. trudy VNIISMS no. 3:132-140 '60.

Glushkov, G. S., and V. A. Sudeev. [Course in the strength of materials] Kurs soprotivleniia materialov. Moskva, Vysshaya shkola, 1965. 767 p.

Luboshits, M. I., and G. M. Haskovlokh. [Manual on the strength of materials] Spravochnik po soprotivleniiu materialov. Minsk, Vysshaya shkola, 1965. 343 p.

On the theory of the strength of brittle bodies. I. N. Avnerov, L. K. Luksha. Dokl. AN SSSR 9 no. 2: 82-85 '65.

Results of the testing of the state of stress and dynamic (running) qualities of passenger cars manufactured from high-strength aluminum alloys. A. L. Spivakovskii. Trudy MIT no. 185:56-62 '64.

#### STRENGTH OF MATERIALS—PROBLEMS, EXERCISES, ETC.

Obodovskii, B. A., and S. E. Khanin. [Strength of materials in exercises and problems] Soprotivlenie materialov v primerakh i zadachakh. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1965. 314 p.

Shapiro, D. M., A. I. Podorvanova, and A. N. Mironov. [Collection of problems on the strength of materials] Sbornik zadach po soprotivleniiu materialov. Izd. 2., perer. Moskva, Vysshaya shkola, 1965. 350 p.

#### STREPTOCOCCUS

Antigen composition of streptococcal allergen. M. N. Smirnova. Zhur. mikrobiol., epid. i immun. 41 no. 10: 37-43 '64.

Combined effect of antibiotics on Enterococcus. Report No. 1 Sensitivity of Enterococcus to antibiotics. A. L. Syvchenko. Trudy Khar. med. inst. no. 86:201-207 '67.

Development of experimental arteritis in animals following introduction of group A streptococcus culture mixed with the homogenate of homologous connective tissue. L. V. Belotekina. Arkh. pat. 27 no. 5:24-29 '65.

Isolation in pure form and study of the products of transgalactosylation of Streptococcus lactis. S. I. Novikova. Mikrobiol. zhur. 27 no. 2:15-17 '65.

#### STREPTOCOCCUS—CULTURES AND CULTURE MEDIA

Possibility of elimination of cross reactions between streptococci of various groups and staphylococci in using the fluorescent antibodies method. T. A. Danilova, M. A. Korn. Zhur. mikrobiol., epid. i immun. 41 no. 11: 13-15 N '64.

Variability of the antagonistic properties of Streptococcus lactis under the influence of ultraviolet rays and some mutagenic substances V. I. Sutenko. Mikrobiol. zhur. 26 no. 1:37-13 '64.

#### STREPTOMYCIN

Comparative study of the effect of mycelin and streptomycin on some mycobacteria E. L. Leibfried, N. V. Vasyli'eva. Mikrobiol. zhur. 26 no. 3:46-50 '61.

Concealing I. L. Sagoljan's article "Determination of the sensitivity to streptomycin in pulmonary tuberculosis patients" Iu. P. Borodin. Sov. med. 28 no. 1:146-147 Ja '65.

Sensitizing streptomycin-resistant bacteria with the aid of bacterial filtrates P. I. Vizir, H. M. Koval', Mikrobiol. zhur. 27 no. 2:11-14 '65.

#### STREPTOMYCIN—PHYSIOLOGICAL EFFECT

Effect of streptomycin on the efficacy of experimental immunization with live vaccines Report No. 2 Introduction of streptomycin during immunization with tularemia vaccine. D. T. Khokhlov. Zhur. mikrobiol., epid. i immun. 41 no. 10:17-22 '64.

#### STREPTOMYCIN—THERAPEUTIC USE

Protective role of oxytetracycline and streptomycin in increased oxygen pressure A. M. Dumova, A. G. Zhironkin. Pat. fiziol. i eksp. terap. 9 no. 2:23-26 Mr-Apr '65.

#### STREPTOTHRICIN

Components and antiviral properties of some streptothricin antibiotics K. I. Germanova and others. Antibiotiki 10 no. 2:117-122 F '65.

#### STRESS (PHYSIOLOGY)

Increase of adenosine triphosphate in the working skeletal muscle T. A. Alilik. Bul. eksp. biol. i med. 59 no. 4:39-42 Ap '65.

Muscular activity, active rest and regulation of blood circulation, respiration and energy metabolism in young and elderly persons. I. V. Muravov. Vop. geront. i geriat. 4:40-53 '65.

Pathological reconstruction of bones caused by excessive stress V. I. Bezhenitsa. Ortop. i travm. i protez. 26 no. 2:23-30 F '65.

Stress; extreme tension of the organism; its causes and prevention M. M. Reidel. Priroda 54 no. 5:51-55 My '65.

#### STRIKES AND LOCKOUTS

The October and November 1912 strikes in Russia. N. A. Ivanova. Ist. SSSR 9 no. 2:136-146 Mr-Apr '65.

The strike movement in capitalist countries, I. Maksimov. Mezhdunar. zhizn' 12 no. 5:154-158 My '65.

#### STRIP MINING

(see also subdivision under Kuznetsk Basin; Rozdol region, Ukraine)  
Calculation of the overburden load removal flow by linear programming methods M. N. Tretyus, V. L. Starkov. Izv. vys. ucheb. zav., gor. zhur. 8 no. 2:89-92 '65.

Calendar distribution of mining work volume in the planning of strip mines as an objective for mathematical programming. E. M. Pakhomov. Izv. vys. ucheb. zav., gor. zhur. 8 no. 2:77-83 '65.

Determination of the production capacity of a strip mine A. V. Duzhinski. Izv. vys. ucheb. zav., gor. zhur. 8 no. 2:50-53 '65.

Determining the optimal conditions for roller boring in hard, mildly abrasive rock in strip mines. A. F. Sukhanov and others. Gor. zhur. no. 3:35-39 Mr '65.

Economic evaluation of strip mine truck haulage taking into account the time factor L. A. Sorokin, V. A. Khokhlov. Gor. zhur. no. 5:7-11 My '65.

Improvement of working conditions in strip mines. I. A. Z. Bukhman and others. Bezop. truda v prom. 9 no. 4:15-16 Ap '65.

Modern scientific and technical basis for the planning and carrying out of open pit mining operations. V. V. Rzhavskii. Izv. vys. ucheb. zav., gor. zhur. 8 no. 2:3-6 '65.

Moscow, Institut radioelektroniki i gornoi elektromekhaniki. [Technology and overall mechanization of the open pit mining of coal, ore, and nonmetallic minerals] Tekhnologiya i kompleksnaya mekhanizatsiya otkrytogo dobytiia uglya, rud i nerudnykh iskopayemykh. Moskva, Pt. 1 [Technological processes] Tekhnologicheskie protsessy.

No. 1. [Objectives in mining operations, principles of the technology and economics of strip mining] Ob'ekty gornykh rabot, osnovy tekhnologii i ekonomiki otkrytykh razrabotok. [By] V. V. Rzhavskii i N. D. Zolotarev. 1964. 110 p.

No. 5. [Relocation of strip mine rock piles] Peremescheniye kar'ernykh gruzov. [By] V. V. Rzhavskii, S. A. Il'in i V. I. Gant'skii. 1964. 227 p.

[MICROFILMS]

## STRIP MINING (Continued)

- Hotar, bucket excavators and their use in open pit mining V. P. Aksekov, A. E. Ruzenpleter, A. T. Chervinskii Ugol' Ukr. 9 no 5, 28-30 My '65
- Using artificial caving of the blasted rock in strip mines, IU I Belintov, A. V. Reznikov, G. S. Solodnikova, Gor. zhur. no 3, 10-13 Mr '65
- Using combined truck and rail road haulage in open pit mines of the Southern Kazakhstan Basin M. M. Bertchinskii and others Ugol' 0 no 4, 16-18 Ap '65
- Utilization of underground working in strip mines B. P. Bogolubov, IU P. Astaf'ev, Gor. zhur. no 3, 14-19 Mr '65
- Ways of creating a new technology for open-pit mining operations with the use of the principle of controlled caving of the benches M. G. Novozhilov and others Gor. zhur. no 4, 18-20 Ap '65

## STRIP MINING—EQUIPMENT AND SUPPLIES

- Choosing efficient parameters of loading and transportation equipment for strip mines, K. F. Vinit'skii, E. I. Reemtovich Izv. vys. ucheb. zav., gor. zhur. 8 no 2, 93-99 '65
- A photoelectric mining stereoplanimeter, V. S. Khokhrakov, I. A. Ragozin, A. F. Trop Izv. vys. ucheb. zav., gor. zhur. 8 no 3, 53-58 '65
- Standardization of boring machines for strip mining operations B. A. Simkin Gor. zhur. no 4, 40-43 Ap '65

## STRIP MINING—FINANCE

- Use of linear programming for the economic grounds of optimum condition for stripping operations, A. F. Bogachev Izv. vys. ucheb. zav., gor. zhur. 8 no 2, 84-88 '65

## STRIP MINING—LABOR PRODUCTIVITY

- Improve labor productivity indices in strip mine administrations A. T. Porenskii Gor. zhur. no 4, 13-14 Ap '65

## STRIP MINING—MANAGEMENT

- The optimum placement of dump piles in the early years of working a strip mine as a factor of the economical regulation of mining procedures G. A. Nevelin, Izv. vys. ucheb. zav., gor. zhur. 8 no 2, 64-69 '65
- The task of drawing up an operative plan A. D. Shkol'nikov Izv. vys. ucheb. zav., gor. zhur. 8 no 2, 7-12 '65

## STRIP RUST

- Hardy and stripe-rust resistant species of soft wheat grown in Georgia L. L. Dekaprevich Biol. VIR no 10, 8-11 '62

## STROMATOPOROIDEA see subdivision under Estonia

## STRONTIUM see subdivision under Volgograd Province

## STRONTIUM—EFFECT ON PLANTS see Plants, Effect of strontium on

## STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT

- Effect of strontium 90 on the functional state of the thyroid gland in dogs A. A. Iusupov, Uzb. biol. zhur. 9 no 2, 5-8 '65
- State of the bone marrow during the development of an osteogenic sarcoma induced by strontium 90, P. A. Vlasov Arkh. pat. 47 no 2, 14-18 '65

## STROPHANTHIN

- Interrelationship between insulin and strophanthin in the process of glucose transport, A. S. Oganessian, A. A. Demirceljan, E. K. Kazarova, Izv. AN Arm. SSR, Biol. nauki 18 no 4, 3-8 Ap '65

## STROPHANTHIN—PHYSIOLOGICAL EFFECT

- Effect of strophanthin on the heart of old animals, N. I. Struzhova-Salova, Vop. geront. i geriat. 4, 141-146 '65

## STRUCTURAL DESIGN

- Bolotin, V. V. [Statistical methods in structural mechanics] Statisticheskie metody v stroitel'noi mekhanike. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1965, 278 p.

- Pitlik, D. A. [Designing structural elements on the basis of models] Raschet stroitel'nykh konstruktov na osnove modelirovaniia, Leningrad, Stroiizdat, 1965, 151 p.

## STRUCTURAL DESIGN—CONGRESSES

- Vsesoiuznaya konferentsiia po problemam ustoiichivosti v stroitel'noi mekhanike, Moskva, 1963. [Problems of stability in structural mechanics; transactions] Problemy ustoiichivosti v stroitel'noi mekhanike, trudy, Moskva, Stroiizdat, 1965, 474 p.

## STRUCTURAL DYNAMICS

- Kolouchek, Vladimir. [Structural dynamics, Translated from the Czech] Dinamika stroitel'nykh konstruktov. Sbornik: I. Babushka i dr., pod red. A. A. Petropavlovskogo. Moskva, Stroiizdat, 1965, 831 p.

## STRUCTURAL ENGINEERING see Structural design

## STRUCTURAL FRAMES

- Carrying capacity of frames made from thin-walled bars under loads from the plane of the frame G. Pinaker Prom. stroi i inzh. soor. 6 no 2, 46-50 Mr-Apr '64

- Limiting loading of frames made of thin-walled rods and subjected to torsional bending A. I. Strelbitskaia Prikl. mekh. 1 no 1, 70-76 '65

## STRUCTURAL GEOLOGY see Geology, Structural

## STRUCTURAL STEEL see Steel, Structural

## STRUMINSKII, VASILII IAKOVLEVICH, 1880-

- Anniversary of a scientist, on the occasion of the 85th birthday of V. I. Struminskii Sov. pedagog. 29 no 5, 150 My '65

## STRUVE, VASILII IAKOVLEVICH, 1793-1864

- Geographical significance of V. I. Struve's work, A. G. Durov, Izv. Vses. geog. ob-va 97 no 2, 191-193 Mr-Apr '65

## STRUVITE

- Significance of struvite crystals in serous cavities of cadavers recovered from the sea, N. B. Cherkavskii, A. G. Stukochenko, Sud.-med. ekspert. 8 no 1, 18-20 Ja-Mr '65

## STRYCHNINE—PHYSIOLOGICAL EFFECT

- Mechanism of the synchronization of neuron activity, N. I. Belenkov, V. D. Chirkov, Zhur. vys. nerv. delat. 15 no 1, 128-139 Ja-F '65

## STUDENT ACTIVITIES

- Technical creativeness of students G. Kurus', Sred. spets. obr. 12 no 4, 35-36 Ap '65

## STUDENT AID see subdivision under Ukraine

## STUDENT-TEACHER RELATIONSHIP see Teacher-student relationship

## STUDENT TEACHING

- (see also subdivision under Moscow)

- Pedagogical practice of university students A. I. Aret Sov. pedagog. 29 no 5, 104-108 My '65
- Practice of future teachers in Pioneer camps, P. A. Chernel'sov Sred. spets. obr. 13 no 4, 32-34 Ap '65
- Teaching practice of the students of an industrial-pedagogical faculty, K. F. Sokov, V. N. Iamshchikov, Shkola i proizv. 9 no 4, 77-78 Ap '65

## STUDENTS' SOCIETIES see subdivision under Moscow

## STURGEONS

- Conserve and augment the riches of our natural resources I. Zykov, Nov. mir. 41 no 4, 278-281 Ap '65

## STURGEONS—DISEASES AND PESTS

- Control of the fungous disease of sturgeon eggs, T. V. Astakhova Ryb. khoz. 41 no 3, 20-21 '65

## STYRENE

- Addition of arylfluorosilicon hydrides to styrene, E. A. Chernyshev, M. E. Dolgala, E. D. Lubuzh, Izv. AN SSSR, Ser. khim. no 4, 650-654 '65
- Copolymerization of isobutylene with styrene in the presence of titanium tetrachloride, N. A. Butovich, V. P. Gur'lanova, Neft' i neftekhim. no 3, 32-34 '65
- Petroleum refining products as softener-filters of divinyl styrene rubbers V. I. Guseva and others Trudy NIKHKhGP no 4, 218-57 '63
- Polymerization of the styrene fraction of resin obtained in pyrolysis of gases in the presence of various initiators, IU. G. Mamedaliev and others, Azerb. khim. zhur. no 3, 91-97 '64
- Polystyrene floats for trawl fishing B. P. Zimin Ryb. khoz. 41 no 4, 46 '65
- Quantitative composition of the tar from the pyrolysis of kerosene and the polymerization of its styrene fraction IU. G. Mamedaliev and others, Neftekhimika 5 no 1, 44-48 Ja-F '65

## STYRENE POLYMERS

- Autohesion of polyethylene, B. P. Shartkman, S. S. Volutski, V. A. Kargin, Vysokom. soed. 7 no 1, 141-144 Ja '65
- Characteristic features of styrene polymerization at advanced stages of conversion initiated by dicyl peroxides S. S. Ivanchev, V. I. Galibet, A. I. Iurzhenko, Vysokom. soed. 7 no 1, 74-79 Ja '65
- Copolymerization of 2-vinyl-9, 10-diphenylanthracene with styrene, A. S. Cherkasov, K. G. Voldatkina, Vysokom. soed. 7 no 1, 175-179 Ja '65
- Graft copolymers of cellulose and styrene U. Azizov, Kh. U. Usmanov, M. U. Sadykov, Vysokom. soed. 7 no 1, 19-24 Ja '65

- High degree of polymerization of styrene and methyl methacrylate in the presence of polymeric peroxides, N. S. TSvetkov, R. F. Markovskaya, Vysokom. soed. 7 no 1, 169-174 Ja '65

- Mechanism and kinetics of styrene polymerization in the presence of polymeric peroxide of pimelic acid, N. S. TSvetkov, E. S. Belot'skaia, Ukr. khim. zhur. 31 no 4, 387-392 '65

- Preparation of autopolymers based on divinylbenzene and styrene, and study of their physicochemical characteristics, Z. G. Petrova and others, Azerb. khim. zhur. no 3, 83-89 '64

## STYRENESULFONIC ACID

- Polymerization of 4-vinylpyridine on polystyrenesulfonic acid, V. A. Kargin, V. A. Kabanov, O. V. Kargin, Dokl. AN SSSR 181 no 5, 1131-1134 Ap '65

## SUBLIMATION (PHYSICAL SCIENCES)

- Modified method for additive calculation of the change in heat capacity during ionic sublimation of crystals G. A. Kiselev, Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no 6, 921-929 '61

## SUBMARINE BOATS

- Efim'ev, N. N. [Principles of the theory of submarine boats] Osnovy teorii podvodnykh lodok. Moskva, Voenizdat, 1965, 381 p.

## SUBMARINE DIVING see Diving, Submarine

## SUBMARINE GEOLOGY

- (see also subdivision under Atlantic Ocean; Mediterranean Sea)

- Neotectonism and convection in the earth's mantle, Article 2 Correlation of the hypotheses of convection and continental drift T. N. Ljubitikh, Biol. MOIP, Otd. geol. 40 no 2, 5-21 Mr-Apr '65

## SUBMARINE MEDICINE

- Joint assignment of submarine physicians and medical personnel to the surgical department of a military hospital, E. A. Kozulin, Voen.-med. zhur. no 6, 51-56 '64

## SUBMARINE WARFARE

- Torpedomen, O. Baranov, Voen. znan. 41 no 3, 12-13 Mr '65

## SUBSTANCE (PHILOSOPHY)

- General course of the knowing of matter, B. M. Kechlov, Vop. filos. 10 no 4, 92-103 '65

## SUBSTATIONS, ELECTRIC see Electric substations

## SUBSTITUTION (CHEMISTRY)

- Amines and ammonium compounds, Part 25: Alkaline decomposition of quaternary ammonium salts containing a tertiary butyl substituent in the  $\alpha$ -position of the  $\beta$ ,  $\gamma$  unsaturated group A. T. Babalan, M. G. Imzhikhan, Zh. G. Gogellan, Izv. AN Arm. SSR, Khim. nauki 11 no 1, 25-31 '65

- Orientation in substitution in the aromatic series Part 15: Mechanism of dichlorobenzene isomerization IU. G. Eryukov, A. A. Spiryakov, T. A. Rumiantsova, Zhur. org. khim. 1 no 1, 21-24 Ja '65

- Orientation in substitution in the aromatic series, Part 16: Effect of substituents on the reactivity of the benzene ring A. A. Spiryakov, G. A. Politskova, Zhur. org. khim. 1 no 1, 24-27 Ja '65

- Synthesis of N-substituted aromatic amines, G. I. Babikh, A. A. Grinberg, Dokl. AN SSSR 181 no 6, 1333-1335 Ap '65

## SUCCINIC ACID

- Stobbe's condensation with a free iminoxyl radical, V. A. Golubev, E. G. Rozantsev, Izv. AN SSSR, Ser. khim. no 1, 716-718 '65

- Thermal conversion of succinic acid into  $\gamma$ -ketoglutaric acid B. L. Moldavskii, M. V. Blinova, Neftekhimika 5 no 1, 108-110 Ja-F '65

## SUCCINIC ACID—EFFECT ON SEEDS see Seeds, Effect of succinic acid on

## SUCCINIC DEHYDROGENASE

- Localization of succinic dehydrogenase in Opalinia ranarum, K. M. Sukhanova, Tsitologiya 4 no 5, 577-580 S-O '62

## SUCKER RODS

- Monitoring the operation of deep-well sucker-rod pumps using stroke-grams, T. M. Aliyev, A. A. Ter-Khachaturov, IU. V. Fedushenko, Izv. vys. ucheb. zav., nefr. i gaz. 8 no 4, 72, 80 '65

## SUCROSE

- Effect of saccharose on the wear of metals, N. A. Solodukh, Sakh. prom. 30 no 3, 20-22 Mr '65

## SUDAK (UKRAINE)—GUIDEBOOKS

- Polkanov, A. I. [Sudak: a tourist's guide] Sudak; sputnik turistov. Simferopol', Krymizdat, 1966, 81 p.

## SUGAR—ANALYSIS AND TESTING

- Effect of inverted sugar on the viscosity of the system saccharose-inverted sugar-water, V. P. Palash, S. Z. Ivanov, Izv. vys. ucheb. zav., fizich. tekhn. no 2, 54-58 '65

- More about the new concept of natural alkalinity, P. M. Slin, Sakh. prom. 30 no 3, 25-30 Mr '65

## SUGAR—DRYING

- Kinetics of the drying of granulated sugar in a continuous dryer with fluidized bed, A. I. Chernyavskii, V. D. Kar-mazin, Sakh. prom. 30 no 3, 19-20 Mr '65

## SUGAR—MICROBIOLOGY

Bronshtein, D. G. [Microbiology and microbiological control in sugar manufacture] Mikrobiologiya i mikrobiologicheskii kontrol' v sakharonom proizvodstve. Moskva, TSentr in-t nauchno-tekhn. informatsii pishchevot promyshl., 1964. 47 p.

[MICROFILM]

Thermophilic microorganisms in refined granulated sugar and refinery products V M Kats, V. Z. Nakhodkina, L. A. Korobelnikova. Sakh. prom. 39 no. 3:8-12 Mr '65.

## SUGAR—PRICES

Consultation. Sakh. prom. 39 no. 3:73-74 Mr '64

## SUGAR BEET BREEDING

Evaluation of the technological properties of sugar beet for breeding. P. M. Silin. Prikl. biokhim. i mikrobiol. 1 no. 1:80-91 Ja-F '65.

## SUGAR BEET MACHINERY

(see also subdivision under Ukraine)

Bondarenko, V. A. [Equipment for sugar-beet production; sugar-beet processing section] Oborudovanie sveklo-sakharного proizvodstva, sveklopei i abatyvalushchee otdelenie Obzor Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevot promyshl., 1961. 111 p.

[MICROFILM]

Catcher for sugar beet tail and trash removal from flume waters. A. N. Ostapenko, B. M. Shakhnovich. Sakh. prom. 39 no. 3:49-50 Mr '65.

From the experience in the operation of the Pavluk-Sokolov system stone catcher. I. V. Kachalio. Sakh. prom. 39 no. 3:50-51 Mr '65.

Gavrilitsa, I. [Our practices in growing sugar beets according to the new technology] Nash opyt vozdeylivania sakharnoi svekly po novoi tekhnologii. Kishinev, Kartia moldoveniasek, 1965. 34 p.

(DNA)

Improve the design of the "STSN-6" planter. I. Dykhnenko. Tekh. v sel'khoz. 25 no. 4:81-92 Ap '65.

## SUGAR BEETS

(see also subdivision under Kirghizistan; Rozhna District)

Characteristics of the formation of leaf apparatus in tetraploid sugar beets. U. E. Bormatau, B. F. Matrosau, U. K. Sauchanka. Vestsi AN BSSR, Ser. biol. nav. no. 1:82-89 '65.

Flow sheet for sugar beet processing to alcohol. B. A. Ustinikov, M. K. Brigadenko, R. S. Masluchkina. Ferm. i splrit. prom. 31 no. 4:14-17 '65.

Machine for the check row planting of sugar beet seedlings. M. Samoilov and others. Tekh. v sel'khoz. 25 no. 1:13-18 Ap '65.

Mechanism for automatic lifting and lowering of markets. M. Zavgorodait, N. Stodva. Tekh. v sel'khoz. 25 no. 4:70 Ap '65.

Potentials for the improvement of the quality of sugar beets. L. M. Dovhnyi. Khar. prom. no. 2:39-40 Ap-Je '65.

Protecting disks for intertillage cultivation. E. Kommer. Tekh. v sel'khoz. 25 no. 4:66-68 Ap '65.

Some physiological characteristics of tetraploid sugar beets. A. F. Stel'makh. Vestsi AN BSSR, Ser. biol. nav. no. 1:90-111 '65.

## SUGAR BEETS—ANALYSIS

Effect of various types of mineral fertilizers on the protein complex of sugar beets. E. A. Tonkal', E. P. Naumova. Khim. v sel'khoz. 3 no. 3:4-8 Mr '65.

## SUGAR BEETS—CLEANING

Need for independent preliminary trash removal from sugar beets. Sakh. prom. 39 no. 3:71-72 Mr '65.

## SUGAR BEETS—DISEASES AND PESTS

Insecticides in the control of weeds in sugar beet fields. A. A. Izubchuk, K. P. Padzenau. Vestsi AN BSSR, Ser. sel'hnsp. nav. no. 1:78-84 '65.

Symposium on the protection of sugar beets against pests, diseases, and weeds. E. I. Andreeva, I. U. M. Poslavskii. Khim. v sel'khoz. 3 no. 3:73-76 Mr '65.

## SUGAR BEETS—FERTILIZERS AND MANURES

(see also subdivision under Ivanovo Province; Kuybyshev Province)

Effect of various types of mineral fertilizers on the protein complex of sugar beets. E. A. Tonkal', E. P. Naumova. Khim. v sel'khoz. 3 no. 3:4-8 Mr '65.

## SUGAR BEETS—IRRIGATION

(see also subdivision under Kuybyshev Province; Ukraine)

## SUGAR BEETS AS FEED

Composition of milk and the quality of milk products as related to the inclusion of sugar beets in rations for dairy cows. Z. P. Rykshyna, E. N. Mal'chouskain, T. I. Shvedova. Vestsi AN BSSR, Ser. sel'hnsp. nav. no. 1:112-116 '65.

Digestibility of nutrients in rations containing sugar beets used in swine feeding. V. F. Lomosh, V. P. Mikhailau. Vestsi AN BSSR, Ser. sel'hnsp. nav. no. 1:104-111 '65.

## SUGAR FACTORIES

Automation of the boiler houses of the sugar factories of the Vinnitsa Sugar Trust. V. V. Dmytrash, S. N. Rovyns'kyi. Khar. prom. no. 2:13-15 Ap-Je '65.

Provide for high-quality preparation of sugar factories for the processing of sugar beets from 1965 crops. Sakh. prom. 39 no. 3:1-4 Mr '65.

## SUGAR FACTORIES—DESIGN AND CONSTRUCTION

Pilot sugar factory of the All-Union Scientific and Research Institute of the Sugar Industry. N. V. Kheize. Sakh. prom. 39 no. 3:43-48 Mr '65.

## SUGAR INDUSTRY

Socialist competition in the sugar factories of the R. S. F. S. R. N. G. Popov. Sakh. prom. 39 no. 3:5-7 Mr '65.

## SUGAR INDUSTRY—BY-PRODUCTS

Utilization of filter press mud in puttying. Sakh. prom. 39 no. 3:72-73 Mr '65.

## SUGAR INDUSTRY—CONGRESSES

Seminar na temu "Opyt vnedrenia avtomatizatsii kontrolya i upravleniya na peredovykh predpriyatiakh sakharnoi promyshlennosti." 1963 [Materials of the Seminar on the Subject "Experience in the Introduction of Automation in the Control and Administration of the Progressive Enterprises of the Sugar Industry"] Materialy Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevot promyshl., 1963. 65 p. (Tekhnicheskaya informatsiya)

[MICROFILM]

## SUGAR MACHINERY

Calculation norms for the heating equipment of beet-sugar factories. M. L. Vaisman, A. A. Knizev. Sakh. prom. 39 no. 3:20-34 Mr '65.

Device for machining grooves in apertures. P. S. Maksymuk. Khar. prom. no. 2:60 Ap-Je '65.

Vostokov, A. I. [Modern standard equipment for the boiling, crystallization and bleaching of massecuite in beet sugar manufacture] Sovremennoe tipovoe oborudovanie dlia varki, kristallizatsii i probelki utefei v sveklosakharonom proizvodstve. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1964. 86 p. (OS-XVII Seriya; Oborudovanie dlia pishchevot promyshlennosti)

[MICROFILM]

"Wet" method for sugar separation from molasses. P. V. Nikolaev. Sakh. prom. 39 no. 3:23-24 Mr '65.

## SUGAR MACHINERY—TRANSMISSION DEVICES

Investigating the link-gear mechanism with stop and reverse running in an automatic production line for the manufacture of refined sugar. V. M. Lobusov. Izv. vyz. ucheb. zav., pishch. tekhn. no. 2:121-126 '65.

## SUGAR MANUFACTURE

Buganov, I. E. [Crystallization of the massecuite of the last product] Kristallizatsiya utefei poslednego produkta. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevot promyshl., 1964. 26 p.

[MICROFILM]

Changes in the amount and concentration of coloring substances during the manufacturing process. F. N. Dobronravov. Sakh. prom. 39 no. 3:13-15 Mr '65.

## SUGAR RESEARCH

Evaluation of the technological properties of sugar beet for breeding. P. M. Silin. Prikl. biokhim. i mikrobiol. 1 no. 1:80-91 Ja-F '65.

## SUGAR WORKERS

Consultation. Sakh. prom. 39 no. 3:73-74 Mr '65.

## SUGARS

Changes in corn sugar during mashing and mashing. T. V. Lavrishcheva, P. M. Mal'tsev. Izv. vyz. ucheb. zav., pishch. tekhn. no. 1:71-74 '65.

Chromatographic analysis of the mixture of sugars in the products of sugar manufacture. N. A. Arkhipovich, L. M. Zelenina, S. N. Kvita. Sakh. prom. 39 no. 3:37-43 Mr '65.

Effect of phosphorus, magnesium, potassium and calcium on the outflow of sugars from leaves and on their translocation in the bark of a stem. M. G. Abutalybov, S. Rukhmanova. Izv. AN Azerb. SSR, Ser. biol. nauk no. 1:3-14 '65.

## SUGARS—ANALYSIS

Determining the amount of reducing sugars in confectionery goods according to the 1963-58 state standard. I. S. Lur'e. Khleb. i kond. prom. 9 no. 3:16-17 Mr '65.

## SUGGESTION SYSTEMS

Creativeness of the masses and technological progress. V. Stalbor, I. U. Simionov, V. Mishchenko. Nauch. dokl. vyz. shkoly, ekon. nauki 8 no. 3:55-62 '65.

## SUKHANA DEPRESSION—GAS, NATURAL—GEOLOGY

Brief characteristics of known and possible oil- and gas-bearing complexes in the Sukhana Depression. A. A. Atkhamov. Uzb. geol. zhur. 8 no. 4:70-75 '64.

## SUKHANA DEPRESSION—PETROLEUM GEOLOGY

Brief characteristics of known and possible oil- and gas-bearing complexes in the Sukhana Depression. A. A. Atkhamov. Uzb. geol. zhur. 8 no. 4:70-75 '64.

## SUKHUM—STOMATITIS IN ANIMALS

Case of noma in the Sukhum nursery of the Institute of Experimental Pathology and Therapy. L. V. Dan'ko, M. A. Khagush. Arkh. pat. 27 no. 2:82-84 '65.

## SUKHUM—SWEET POTATOES

Effect of various photoperiods on the development of sweet potatoes (Ipomoea batatas Lam.). K. Kh. Vardandia. Bot. zhur. 50 no. 3:405-409 Mr '65.

## SULAK BAY—COAST CHANGES

Some characteristics of the present-day dynamics of the coasts of Sulak Bay. O. K. Leon'ev and others. Dokl. AN Azerb. SSR. 21 no. 2:39-43 '65.

## SULFANILAMIDE

Studies on the solubility of sulfanilamide preparations. Report No. 3. Effect of some organic acids on the solubility of atropine. N. M. Lykhol'ot, V. P. Husiakov. Farmats. zhur. 19 no. 1:52-55 '64.

## SULFANILIDE

Sulfanilides. Part 20: Ethyl esters of N-arylsulfonyl-N'-arylcarambic acid. Z. F. Solomko and others. Zhur. org. khim. 1 no. 1:121-124 Ja '65.

## SULFATES

(see also subdivision under Kugitangtau)

## SULFENYL CHLORIDES

Alkylthioamines and their analogs. Part 2: Addition of sulfonyl chlorides to vinylacetylene. S. I. Radchenko, A. A. Petrov. Zhur. org. khim. 1 no. 1:47-51 Ja '65.

## SULFIDES

(see also subdivision under Sob Valley, Ukraine; Turgay Gates)

Condensation of unsaturated thiols with the terpene series with orthoformic ester. G. S. Ter-Sarkisyan, B. M. Mikhailov. Izv. AN SSSR, Ser. khim. no. 3:551-563 '65.

Dependence on natural electric currents of the development stages of the oxidation zone of sulfide deposits. I. M. Uraznev. Razved. geofiz. no. 2:85-91 '64.

Nature of solutions and the temperature conditions governing the formation of minerals in sulfide ores. G. I. Grigorovich. Mla. sbor. 18 no. 2:175-180 '64.

Peculiarities of autoclave oxidation of binary sulfide alloys. I. F. Khudjakov, A. S. Laroslavtsev. TSvet. met. 38 no. 4:45-49 Ap '65.

Synthesis and reactions of tert-butylthiethyl sulfides. Part 7. B. P. Fedorov, F. M. Stoyanovich. Zhur. org. khim. 1 no. 1:194-200 Ja '65.

## SULFIDES—THERMAL PROPERTIES

Calculating the surface tension of certain sulfides and oxides with a melting temperature bordering on the inert phase. O. K. Sokolov. Izv. AN SSSR, Met. no. 1:97-103 Ja-F '65.

## SULFITE LIQUOR

Podikov, G. N. [New equipment and the technology of the regeneration of sulfite liquors] Novoe oborudovanie i tekhnologiya regeneratsii sulfatnykh shchelokov. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derzovobratyvalushchei promyshl. i tsenonmu khoz., 1964. 52 p. (Bumaga i tselluloza)

[MICROFILM]

## SULFITES

Preservation of edible raw products. M. Khoifets. Mla. ind. SSSR. 36 no. 2:7-8 '65.

Preservation of technical raw materials. S. Liberman and others. Mla. ind. SSSR. 36 no. 2:9-10 '65.

## SULFONATION

Combined process of alcohol sulfonation and dodecyl benzene sulfonation. I. S. Sukhoterlin, I. A. Agranovich. Maslozhir. prom. 31 no. 3:39 Mr '65.

Preparation of sulfolymers based on divinylbenzene and styrene, and study of their physicochemical characteristics. Z. G. Petrova and others. Azerb. khim. zhur. no. 3:83-89 '64.

Study of the sulfonation reaction. Part 59: sulfonation of phenols at low temperatures. A. A. Spasyakov, B. G. Quedin. Izv. vyz. ucheb. zav., khim. i khim. tekhn. 7 no. 8:935-940 '64.

## SULFONES

Reaction of triethyl phosphite with  $\beta$ -bromovinyl sulfones. E. G. Kataev, F. R. Tantsheva, E. G. Iarkova. Zhur. ob. khim. 35 no. 4:789 Ap '65.

## SULFONIC ACIDS

Effect of amidosulfonic acid on the bactericidal action of chlorine. E. I. Kravtsov. Nauch. trudy AKKh. no. 22 '63. Vod. no. 3:71-80 '63.

Effect of electrolytes on the detergency of alkyl sulfonates. M. P. Bespalov, O. B. Volkova, V. I. Kalinchenko. Maslozhir. prom. 31 no. 2:16-18 F '65.

Experience in the industrial utilization of alkyl sulfonates in the manufacture of synthetic detergents. O. B. Volkova and others. Maslozhir. prom. 31 no. 3:34-35 Mr '65.

Obtaining sulfonates with high surface activity. E. A. Myshkin. Nefteprom i neftekhim. no. 3:27-29 '65.



- SWEEP GLANDS—TUMORS**  
Myoepitheliomas of the sweat glands. I. V. Postnov Arkh. pat. 27 no. 2:38-43 '65
- SWEDEN—BEEF CATTLE**  
Foreign practice. Zakup sel'khoz. prod. no. 3:61-62 Mr '65.
- SWEDEN—FOREIGN RELATIONS—RUSSIA**  
Visitors from Sweden. Nov. vrem. 23 no. 24:20 Jo '65
- SWEDEN—GRAIN ELEVATORS**  
Grain procurement in Sweden. Zakup sel'khoz. prod. no. 5:62-63 My '64
- SWEDEN—GRAIN TRADE**  
Grain procurement in Sweden. Zakup sel'khoz. prod. no. 5:62-63 My '64
- SWEET CLOVER** see subdivision under Moldavia
- SWEET CLOVER—VARIETIES**  
New specimens of sweet clover. T. A. Kolomiets. Biol. Vyr. no. 10:42-3 '62
- SWEET POTATOES** see subdivision under Sukhum
- SWIMMING**  
Biomechanical analysis of crawling movements in breast crawl swimming. S. V. Il'in. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 4:27-31 Ap '65  
Efficient use of heavy training loads in the training of young swimmers. I. K. Lukashchuk, B. A. Petrov. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 5:63-66 My '65  
Let's improve the level of skill of Soviet swimmers. Z. P. Firsov. Teor. i prakt. fiz. kul't. 27 [i. e. 28] no. 5:15-21 My '65
- SWINE**  
Conditioned reflexes and swine raising. F. A. Zhukov. Priroda 54 no. 5:62-68 My '65
- SWINE—DISEASES AND PESTS**  
(see also subdivision under Ukraine)  
Etiology of infectious atrophic rhinitis of swine. V. V. Nikolaeva. Vop. vet. virus. 1:554-557 '64  
Materials for further studying the etiology of infectious atrophic rhinitis of swine. A. K. Volynets. Mikrobiol. zhur. 26 no. 3:69-73 '64  
Morphological and functional changes in the stomach of swine with catarrhal gastroenteritis under the effect of feed biomyces and feed terramycin. V. E. Chumachenko. Trudy mol. uch. UASHN. no. 9:71-77 '65  
Rhinoencephalitis in swine influenza. D. F. Osidze. Vop. vet. virus. 1:459-458 '64  
Susceptibility of some tissues cultivated in vitro to swine influenza viruses. D. F. Osidze. Vop. vet. virus. 1:459-467 '64
- SWINE—ECONOMIC ASPECTS** see subdivision under Nikolayev Province
- SWINE—FEEDING AND FEEDS**  
(see also subdivision under Kuybyshev Province)  
Digestibility of nutrients in rations containing sugar beets used in swine feeding. V. F. Lomesh, V. P. Mikhailov. Vestsi AN BSSR. Ser. sel'khoz. nav. no. 1:104-111 '65  
Effectiveness of the use of substitutes for whole milk in rations for calves and young pigs. K. M. Somsau and others. Vestsi AN BSSR. Ser. sel'khoz. nav. no. 1:117-122 '65  
Use of sapropel and trace elements in scientific experiments on the "Udarnik" State Farm. F. A. Sovol'ev, A. P. Kosenkov, N. N. Timofeev. Khim. v sel'khoz. 3 no. 3:71-72 Mr '65  
Use of vitamin D<sub>3</sub> in fattening swine for meat. F. A. Chereches. Vestsi AN BSSR. Ser. sel'khoz. nav. no. 1:123-124 '65  
Use of waste products for the fattening of pork pigs. V. Matushevskii. Mias ind. SSSR. 36 no. 2:60 '65.
- SWINE—PHYSIOLOGY**  
Changes in the body type of swine during their fetal development. L. N. Sokolova. Shor. stud. rab. VMI no. 3:13-24 '63.
- SWINE BREEDING**  
(see also subdivision under Kazakhstan)  
Characteristics of the postnatal growth of viscera in Berkshire and Mangalia swine and their crosses with Large White swine. V. G. Ogi. Trudy mol. uch. UASHN. no. 8:24-27 '63  
Fattening and slaughtering qualities of crosses obtained from the crossing of White Long-Eared sows with Large White and Krolevets boars. V. P. Kovin'ko. Trudy mol. uch. UASHN. no. 9:20-23 '63  
Problems of the intensification of swine raising and breeding work. I. A. Savich. Izv. TSKHA no. 5:212-227 '64
- SWINE BREEDS** see subdivision under Lvov Province
- SWINE FEVER** see Hog cholera
- SWITCHING CIRCUITS**  
Asymptotic evaluation of the complexity of some classes of switching circuits. A. D. Korshunov. Kibernetika no. 2:18-28 Mr-Apr '65.
- High-speed multichannel computer.** M. Kushnei, V. Iushkov. Radio no. 4:49-50 Ap '65  
One class of three-valued algebra and its use in the synthesis of ternary logic networks consisting of ternary components. I. U. Ivas'kiv. Kibernetika no. 2:46-52 Mr-Apr '65
- SWITZERLAND—BARLEY, FOSSIL**  
Hordeum lagunciforme S. Str. from the neolithic deposits of Switzerland. F. Kh. Bakhteev. Bot. zhur. 50 no. 4:541-543 Ap '65
- SWITZERLAND—FERTILIZERS AND MANURES**  
Production and use of fertilizers in Switzerland. A. G. Andreeva and others. Agrokhimia no. 2:156-164 F '65
- SYKTYVKAR—DISORDERLY CONDUCT**  
Cases of minor hooliganism should be determined in sessions with collectives directly involved. P. Peishin. Sov. iust. 29 no. 10:27 My '65
- SYKTYVKAR—JUVENILE DELINQUENCY**  
Cases of minor hooliganism should be determined in sessions with collectives directly involved. P. Peishin. Sov. iust. 29 no. 10:27 My '65
- SYKTYVKAR REGION—PRECIPITATION (METEOROLOGY)**  
Composition of the combined forms of nitrogen in the atmospheric precipitation in the region of the City of Syktyvkar. N. V. Chichykina. Izv. kom. fil. Geog. ob-va SSSR no. 9:53-66 '64
- SYMBOLIC AND MATHEMATICAL LOGIC** see Logic, Symbolic and mathematical
- SYMBOLISM IN LITERATURE**  
A. Blok and symbolism. V. D. Skvoznikov. Vop. filos. 19 no. 5:95-106 '65.
- SYMPATHETIC NERVOUS SYSTEM** see Nervous system, Sympathetic
- SYMPATHOMIMETIC AGENTS**  
Age-related characteristics of adrenalectomy and noradrenaline oxidation in the heart of white rats under the action of monoamine oxidase. N. S. Verkhatskii. Vop. geront. i geriat. 4:117-121 '65  
Content of catechol amines in the blood during inhalation anesthesia. F. N. Kazantsev. Vest. khir. 92 no. 6:64-68 Je '64  
Electron microscopy of the mechanism of the secretion of catechol amines following the stimulation of the secretory process. E. Kh. Primak. Dokl. AN SSSR 162 no. 3:678-680 My '65.
- SYNAPSES**  
Endings of presynaptic fibers in the motor neurons of the spinal cord in human embryos. K. V. Shulefkin, N. G. Gladkovich. Biol. eksp. i med. 59 no. 4:106-111 Ap '65  
Morphoelectrophysiological study of the interneuronal synapse in a live preparation of a parasympathetic ganglion of the urinary bladder in frogs. I. S. Bazanova. Fiziol. zhur. 51 no. 3:309-317 Mr '65  
Sympathetic effect on the skeletal muscle and neuromuscular synapse as related to the frequency of tetanic stimulation. M. V. Kirzon, M. A. Kamenskaya. Dokl. AN SSSR 162 no. 2:472-475 My '65.
- SYNCHRONOUS ELECTRIC MACHINERY** see Electric machinery, Synchronous
- SYNCHRONOUS MOTORS** see Electric motors, Synchronous
- SYNCHROTRON**  
Pulse iron-free synchrotron. E. A. Abramian and others. Zhur. tekh. fiz. 35 no. 4:512-517 Ap '65  
Stabilizing the intensity of particle beams in an OIAI proton-synchrotron. G. S. Kozanskii, A. I. Mikhailov, A. P. Tsarenkov. Zhur. tekh. fiz. 35 no. 4:623-629 Ap '65.
- SYNOVIAL FLUID**  
Quantity of synovial fluid in the leg joints of cattle. O. H. Berezkin. Dop. AN URSR no. 4:522-525 '65
- SYNOVIAL MEMBRANES—DISEASES**  
Pigmentary villous synovitis. A. M. Berman. Arkh. pat. 27 no. 3:48-53 '65
- SYNTHETIC FABRICS—ELASTIC PROPERTIES**  
Relation between the thermoelastic effect and the coefficient of thermal linear expansion. S. V. Petriacov, P. V. Melent'ev. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 2:56-58 '65
- SYNTHETIC FABRICS—TESTING**  
Hygienic properties of all-synthetic fabrics made from high-bulk polyacrylonitrile yarn. V. I. Kokoshinskaya, V. S. Bogacheva. Tekst. prom. 25 no. 5:13-15 My '65.
- SYNTHETIC PRODUCTS**  
Seminar on using synthetic materials in the fishing industry. Ryb. khoz. 41 no. 4:92-93 '65.
- SYNTHETIC RESINS** see Resins, Synthetic
- SYNTHETIC RUBBER** see Rubber, Synthetic
- SYNTHETIC TEXTILE FIBERS** see Textile fibers, Synthetic
- SYRIA—DAMS**  
The West-German dam on the Euphrates River. V. Viktorov. Az. i Afr. seg. 8 no. 4:26-27 Ap '65.
- SYRIA—DESCRIPTION AND TRAVEL**  
In the Syrian Desert. V. V. Kozlov, L. D. Shtidi-Kondrat'ev. Priroda 51 no. 4:97-102 Ap '65.
- SYRIA—PHOSPHORITES**  
In the Syrian Desert. V. V. Kozlov, L. D. Shtidi-Kondrat'ev. Priroda 51 no. 4:97-102 Ap '65
- SYRIA—TECHNICAL ASSISTANCE, WEST GERMAN**  
The West-German dam on the Euphrates River. V. Viktorov. Az. i Afr. seg. 8 no. 4:26-27 Ap '65.
- SYROMIATNIKOV, NIKOLAI IVANOVICH, 1915-**  
Nikolai Ivanovich Syromiatnikov on his 50th birthday. A. S. Nevskii and others. Izv. fiz. zhur. 8 no. 3:41-412 Mr '65
- SYSTEMS (CHEMISTRY)**  
Chain mechanism of heterogeneous catalysis. M. V. Tobin, S. M. Karan'uk. Ukr. khim. zhur. 39 no. 6:575-577 '64  
Constitutional diagrams of the systems NbCr<sub>3</sub>-TiCr<sub>3</sub> and NbCr<sub>2</sub>-Ti. V. N. Svecnikov, M. A. Kocherzhinskii, V. I. Lul'sheva. Shor. nauch. i ind. metallofiz. AN URSR no. 19:191-195 '61  
Electrochemical method of investigating the homogeneous catalytic system (C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>TiCl<sub>2</sub> + Al(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>Cl. F. S. D'achovskii. Vysokom. anal. 7 no. 1:114-115 Ju '65  
Microstructure of alloys of the systems Bi<sub>2</sub>Se<sub>3</sub>-Sb<sub>2</sub>Te<sub>3</sub>, Bi<sub>2</sub>Te<sub>3</sub>-Sb<sub>2</sub>Se<sub>3</sub> and solubility of Bi<sub>2</sub>Te<sub>3</sub> in Sb<sub>2</sub>Se<sub>3</sub>. K. K. Pakkina, V. G. Kuznetsov. Izv. AN SSSR. Neorg. mat. 1 no. 1:66-76 Ju '65  
Perelman, F. M. [Representation of chemical systems with any number of components] Izobrazhenie khimicheskikh sistem s lubyim chislom komponentov. Moskva, Nauka, 1965. 98 p.  
Phase equilibria in the system Al-Sb-S. I. A. Strel'nikova, M. S. Migalovskaya. Izv. AN SSSR. Neorg. mat. 1 no. 1:66-70 Ju '65  
Phase equilibrium in the system zirconium-chlorine-carbon. T. F. Fedorov, M. B. Kaz'ma. Porosh. mat. 5 no. 1:13-19 Mr '65  
Phase equilibrium in the ternary system zirconium-molybdenum-carbon. T. F. Fedorov, M. B. Kaz'ma, L. V. Gorshkova. Porosh. mat. 5 no. 1:60-71 Mr '65  
Physicochemical studies of the systems containing Na<sub>3</sub>AlF<sub>6</sub>, K<sub>3</sub>AlF<sub>6</sub>, and Li<sub>3</sub>AlF<sub>6</sub>. Part 1: Possibility diagram of the system Na<sub>3</sub>AlF<sub>6</sub>-K<sub>3</sub>AlF<sub>6</sub>. R. S. Etolon, M. G. Marvettan, G. G. Babafan. Izv. AN Arm. SSR. Khim. nauk. 18 no. 1:10-14 '65  
Representation of polyhedrons of the composition of multicomponent reciprocal systems. H. H. Dmytrovko, V. M. Pervikova. Dop. AN URSR no. 4:481-484 '65  
Thermal analysis of the systems TiCl<sub>4</sub>-SiCl<sub>4</sub>-VOCl<sub>3</sub> and TiCl<sub>4</sub>-VOCl<sub>3</sub>-POCl<sub>3</sub>. A. S. Barabanova, R. A. Vostovich. Ukr. khim. zhur. 31 no. 4:352-359 '65.
- SYSTEMS ENGINEERING**  
Investigating a system with a low damping and soft force defined by an equation of the third degree. A. D. Makimov. Izv. vys. ucheb. zav. i tekhn. 2 no. 2:116-124 '65  
Steady vibrations of a two-mass system in the presence of a dry friction element. P. R. Gekker. Izv. vys. ucheb. zav. i tekhn. 2 no. 1:61-67 '65.
- SYSTEMS ENGINEERING—RELIABILITY**  
Some problems in optimum conservation theory. Sh. L. Beblashvili, O. M. Nanchivishvili. Shor. AN Gruz. SSR. 37 no. 3:551-558 Mr '65
- TAAFFEITE**  
Outline of structural geology. Part 15. N. V. Belov, Min. shor. 18 no. 2:123-125 '64.
- TABASARAN LANGUAGE—PRONOUN**  
Declension of interrogatory and reflexive pronouns in Tabasaran. A. A. Mamedov. Shor. AN Gruz. SSR. 28 no. 5:620-630 My '62.
- TABIDZE, TITSIAN, 1895-**  
When poetry returns... A. Turkov. Nov. mir. 41 no. 4:250-261 Ap '65.
- TABLETS (MEDICINE)**  
Use of polyvinylpyrrolidone and polyvinyl alcohol as binding substances in the production of tablets. S. A. Nosovitska and others. Farmatsev. zhur. 19 no. 1:41-45 '64
- TABULATING MACHINES**  
Features in developing a work program for the receipt of summaries of material balances on the indicators T-5M and IP-80. B. A. Bruk. Vop. stat. i ucheta no. 6:215-221 '62  
Method of checking the program of a tabulator for the completion of work. N. P. Uskov. Vop. stat. i ucheta no. 6:222-226 '62.

**TABULATING MACHINES (Continued)**

Relay attachments to the tabulator T-5M and sorting machine S45-6 for mechanizing the results of the 1950 all-union census and other statistical work V. N. Krutshin Vop stat i ucheta no 6 249-272 '62.

**TACHOMETER**

EBT-1 electric wireless tachometer. B. A. Gialchov, I. U. N. Iudin, Burenie no 4-5-9 '64.  
Measuring the angular velocity of rotary motion by an impulse induction pickup and the estimation of measurement errors. V. M. Vigdorehik, V. A. Davydov, I. U. M. Polischuk. Trudy Oren sel'khoz inst 14 209-217 '63.

Method for checking the selenium rectifiers of tachometer generators. F. I. Butenko Elektr. i topl. tuga 6 no 3 31 15 '62.

**TAGANROG-COMBINES (AGRICULTURAL MACHINERY)**

There should be no complaints N. Lutai. NYO 7 no 4: 7-9 Ap '65.

**TAJK DEPRESSION-EARTH-SURFACE**

Study of the crustal structure of the Tajik Depression based on exchanged seismic waves. V. K. Kulagin, G. N. Pachadzhanova, N. A. Epaneshnikova Trudy Inst seism. stroi i seism. 12 51-66 '64

**TAJK DEPRESSION-SEISMIC WAVES**

Study of the crustal structure of the Tajik Depression based on exchanged seismic waves. V. K. Kulagin, G. N. Pachadzhanova, N. A. Epaneshnikova Trudy Inst seism. stroi i seism. 12 51-66 '64

**TAJIKISTAN-A LEVARDITE**

Structure of potassium allevardite from Kul-Koton. I. U. M. Korolev. Dokl. AN SSSR 162 no 3 650-653 My '65

**TAJIKISTAN-ARBITRATION AND AWARD**

Groundlessness or absence of cause of suits as reasons for their exclusion from the trial docket of arbitration organs. L. S. Naborshechikova. Sov. gos. i pravo 35 no 5 93-94 My '65

**TAJIKISTAN-CIVIL LAW**

Tajik S. S. R. Laws, statutes, etc. [Civil Code of the Tajik S. S. R.] Giazhdanekhi Kodeks Tajzhikskoi SSR. Dushanbe, Ifron, 1964. 198 p.

**TAJIKISTAN-CLOSTRIDIUM**

Distribution of tetanus pathogen in the soil of Tajikistan, Uzbekistan and Moldavia. M. I. Ozuov, K. I. Matveev, Zhur. mikrobiol., epid. i immun. 11 no 11 91-98 N '64

**TAJIKISTAN-CULTURE**

[A glorious 40th anniversary. Translated from the Tajik] Slavnye sorokaletie. Dushanbe, Izd-vo "Ifron," 1964. 368 p. (40-letni Tajzhikskoi Respubliki)

**TAJIKISTAN-DISMISSAL AND NONSUIT**

Groundlessness or absence of cause of suits as reasons for their exclusion from the trial docket of arbitration organs. L. S. Naborshechikova. Sov. gos. i pravo 35 no 5 93-94 My '65.

**TAJIKISTAN-EARTH-SURFACE**

Structure of the upper layer of the earth's crust in the Dushanbe-Vakhsh region. V. K. Kulagin, N. A. Epaneshnikova. Trudy Inst. seism. stroi. i seism. 12 67-83 '64.

**TAJIKISTAN-ECONOMIC CONDITIONS**

[A glorious 40th anniversary. Translated from the Tajik] Slavnye sorokaletie. Dushanbe, Izd-vo "Ifron," 1964. 368 p. (40-letni Tajzhikskoi Respubliki)

**TAJIKISTAN-FOREST SOILS**

Effect of forest soil on the development of annual seedlings of walnut. O. P. Mazur, N. M. Shernakhanova. Izv. AN SSSR, Ser. biol. no 3 428-431 My-Je '65.

**TAJIKISTAN-IRRIGATION**

Practices in preliminary wetting of loess-type soils. R. S. Arifov, A. S. Berezhner. Gidr. i mel. 17 no 4 39-45 Ap '65.

**TAJIKISTAN-MANUFACTURES**

For closer ties with production. M. Khasanov. Sov. torg. 38 no 4 41-43 Ap '65

**TAJIKISTAN-OIL WELL DRILLING FLUIDS**

Treating clay muds with "gipan" in Tajikistan. I. T. Levkin. Burenie no 11 15 '64.

**TAJIKISTAN-SEISMOLOGY**

Use of the theory of extreme values in studies of the seismic regionalization of Tajikistan. V. N. Gaiskil. Trudy Inst. seism. stroi. i seism. 12 101-110 '64.

**TAJIKISTAN-WALNUT**

Effect of forest soil on the development of annual seedlings of walnut. O. P. Mazur, N. M. Shernakhanova. Izv. AN SSSR, Ser. biol. no 3 428-431 My-Je '65.

**TALDYKURGAN (KAZAKHISTAN)-CATTLE-FEEDING AND FEEDS**

Mechanization of cattle fattening. T. Musurmanov. Zakup. sel'khoz. prod. no 6 37-40 My '64.

**TALGAR (ALMA-ATA PROVINCE)-DISTILLERY BY-PRODUCTS-PIPELINES**

Gravity-flow malt-residue pipeline. V. Borisenko. Zakup. sel'khoz. prod. no 5 60-61 My '64.

**TALLINN-DIPHTHERIA**

Experience in the work of the Tallin Sanitation and Epidemiological Station in decreasing diphtheria incidence. Z. N. Stepanova. Zhur. mikrobiol., epid. i immun. 41 no 10 140 '64

**TALLINN-HARBOR**

Passage to the roadstead of Tallinn. A. Reznikov. Mor. flot 24 no 9 21 S '64

**TALYSH MOUNTAIN REGION-PERSIMMON**

Types of persimmon forests in the Talysh Mountains and their natural reproduction. S. K. Averkiev. Shor. rab. po les. khoz. no 46 221-246 '63

**TALYSH MOUNTAINS-CLEDITSIA**

Cleditsia caspica Desf. I. S. Safarov. Bot. zhur. 50 no 1 513-546 Ap '65

**TAMAN' PENINSULA-JEWELRY, GREEK**

Myth about the kidnapping of Ganymede in the interpretation of a Bosphorus goldsmith. M. I. Maksimova. Krat. soob. Inst. arkhcol. no 103 23-27 '65

**TAMBOV PROVINCE-ARTIFICIAL INSEMINATION**

Work practices of the Tambov State Station of Artificial Insemination of Animals. I. U. M. Kriventsov. Shor. stud. rab. VMI no 3 3-12 '63.

**TAMBOV PROVINCE-CIVIL DEFENSE**

Almost a quarter of a century. F. Popovko. Voenn. znan. 41 no 5 21-22 My '65

**TAMBOV PROVINCE-GAME AND GAME BIRDS**

Shapovalov, P. F. [Sound of the forests] Govor lesov. Voronezh, Tsentral'no-Chernozemnoe gos. knizhnoe izd-vo, 1964. 140 p. illus

**TAMBOV PROVINCE-LIBRARIES**

In the Tambov libraries. A. Sal'tova. Voenn. znan. 41 no 3 22 Mr '65

**TAMBOV PROVINCE-PINE**

Pine plantations in the regeneration sites of young forest stands in the Tambov Forest Working Circle. N. M. Zheliov. Shor. rab. po les. khoz. no 46 150-157 '63.

**TAMBOV PROVINCE-REFORESTATION**

Pine plantations in the regeneration sites of young forest stands in the Tambov Forest Working Circle. N. M. Zheliov. Shor. rab. po les. khoz. no 46 150-157 '63

**TAMBOV PROVINCE-SNOW**

Effect of the perflation of shelterbelts on the character of snow depositions. B. V. Kondrashov. Shor. nauch. i issl. rab. VNIILMI no 26 24-27 '60.

**TAMDYTAU-GOLD ORES**

Gold potential of the southern part of the Tamydyan. I. Kh. Khamsheev and others. Uzb. geol. zhur. 9 no 1 16-19 '65.

**TANK CARS-TESTING**

Determining the state of stress of the tank of tank cars due to the end and hydrostatic pressure. V. N. Koturakov. Trudy MFT no 135 5-11 '64.

**TANK VESSELS**

World tonnage of chartered tankers. L. Bellakov. Mor. flot 25 no 5 42-43 My '65.

**TANK WARFARE-STUDY AND TEACHING**

Succesasa don't come easy. I. Nodkov. Koinm. Vostuzh. Sil 46 no 4 66-70 F '65.

**TANKS**

Construction of precast reinforced concrete tanks with a capacity of 30,000 m<sup>3</sup>. A. I. Matveev, O. D. Kopyrin. Stroi. truhoprov. 10 no 2 22-26 F '65  
Heat interference in a network of underground reservoirs. E. M. Andreeva, V. I. Chernikina. Izv. vys. ucheb. zav. i nefi i gaz 8 no 3 65-69 '65.  
Moscow, Nauchno-issledovatel'skii Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Experience in constructing precast reinforced concrete horizontal tanks] Opyt stroitel'stva sbornykh zhelezobetonnykh gorizontallykh rezervuarov. Moskva, Stroizdat, 1964. 31 p.

**[MICROFILM]**

Precast prestressed reinforced concrete tanks. A. Pavlov. Prom. stroi i inzh. soor. 8 no 2 39-41 Mr '64.

Stress concentration around a reinforced hole in a cylindrical tank filled with a liquid. I. M. Pirogov. Prikl. mekh. 1 no 1 110-121 '65.  
Tanks made from cold-formed sheets. A. Epshteln, I. Volynskii. Prom. stroi i inzh. soor. 8 no 2 41-45 Mr-Apr '64.

**TANKS (MILITARY SCIENCE)**

A tank goes through water. E. Orekhov. Voenn. znan. 41 no 3 34-35 Mr '65.  
The tank is fifty years old... E. Arkad'ev. Voenn. znan. 41 no 3 38-39 My '65.

**TANNING MATERIALS-EFFECT ON PLANTS see Plants, Effect of tanning materials on****TANNINS**

Blitting effect of a tannin reagent on aqueous diaperolone of polygorskite. V. U. Tretinik, F. D. Ovcharenko, N. N. Krugitskii. Ukr. khim. zhur. 31 no 1 53-55 '65.  
Loyandlov, L. A., and S. T. Davydov. [Manganese as a trace element in its relation to the biochemistry and properties of tannides] Marganets kak mikroelement v svyazi s biokhimiei i svoystvami tannidov. [Chellabinsk] Chellabinskoe knizhnoe izd-vo, 1961. 185 p. [MICROFILM]

**TANNU-TUVA see Tuva A. S. S. R.****TANTALUM-ANALYSIS**

Fluorimetric determination of tantalum in silicon dioxide and high-purity chlorosilane using rhodamine 6G. I. P. Altmanin and others. Zhur. anal. khim. 20 no 3 339-342 '65.

**TANTALUM-HAFNIUM ALLOYS see Hafnium-tantalum alloys****TAR**

Antiviral activity of quaternary salts of 4-n-dialkyl-aminophenylpyridines and chlorine-copper complexes of pyridine bases of the carbonaceous tar. E. S. Cherkasskii and others. Dokl. AN SSSR 161 no 5 1208-1211 Ap '65.

Features of the tars of middle-distillate petroleum fuels. I. A. B. Chertkov, G. B. Englina. Nefteper i neftekhim no 3 24-27 '65

**TAR-ANALYSIS**

Quantitative composition of the tar from the pyrolysis of kerosene and the polymerization of its styrene fraction. I. U. G. Mamedalov and others. Neftekhimila 5 no 1 44-48 Ja-F '65.

**TARASOV, MATVEI TROFIMOVICH, 1876-1910**

Layrhenko, B. S. Matvei Tarasov. Saratov, Privolzhskoe knizhnoe izdatel'stvo, 1964. 128 p. (CSI-II) (NIC)

**TAREEV, YEVGENI MIKHAILOVICH, 1895-**

E. M. Tareev, on his 70th birthday. Sov. med. 28 no 5 156-158 My '65.

**TASH-RABAT (TURKMENISTAN)-MOSQUES**

The "beautiful" mosque of Dandanakan. A. M. Pribytkova. Arkhit. nas. 17 135-184 '64.

**TASHKENT**

Tashkent Universitet Tashkent. Tashkent, 220 p. (Ile Nauchnye trudy, no 228 Geograficheskie nauki, no 26)

**TASHKENT-ENGINEERING GEOLOGY**

Analysis of the deformations of buildings and constructions in Tashkent from the viewpoint of engineering geology. A. M. Khudabergenov. Uzb. geol. zhur. 8 no 4 53-60 '64.

**TASHKENT-FEED MILLS**

Mechanized release of mixed feeds at the Tashkent Milling Combine. S. Anboev. Muk. elev. prom. 31 no 4 14-15 Ap '65.

**TASHKENT-INDUSTRIAL MANAGEMENT**

Accounting by shifts in the Tashkent macaroni factory. A. M. Korol'kov, S. I. Gurzo. Khleb. i kond. prom. 9 no 3 23 Mr '65.

**TASHKENT-JOURNALISTS**

Friendly and clearly. N. Aleev. Sov. pech. no 4 35-36 Ap '65

**TASHKENT-LANDSCAPE ARCHITECTURE**

Industrial methods in the landscaping of cities. I. Kuz'michev. Stroi. i arkhit. Sred. Az. 1 no 9 35-39 S '64.

**TASHKENT-METALLURGICAL PLANTS**

Plant for metal structures. P. P. Shleikher. Stroi. i arkhit. Uzb. 6 no 2 21-24 F '65.

**TASHKENT-PAPAW**

Asimina triloba (L.) Dunal. in Tashkent. F. N. Rusanov. Biol. Glav. bot. sada no 56 34-35 '64.

**TASHKENT-SHOOTING**

Club of Uzbek riflemen. M. Lebedev. Voenn. znan. 41 no 6 40 Je '65

**TASHKENT-TECHNICAL EDUCATION**

Construction Department of the Tashkent Polytechnical Institute is thirty years old. K. Babievskii. Stroi. i arkhit. Sred. Az. 1 no 9 15 S '64.

**TASHKENT PROVINCE-AMBAR HEMP-FERTILIZERS AND MANURES**

Effectiveness of various amounts of mineral fertilizers on the young kenaf. F. V. D'akonova. Shor. nauch. rab. asp. SoluzNIKH no 5 214-220 '64

**TASHKENT PROVINCE-GRAPES-FERTILIZERS AND MANURES**

Role of tanning substances in rendering salts harmless to grapevines. G. Z. Berenzenko, M. Kh. Avazkhodzhaev. Uzb. biol. zhur. 9 no 2 82-83 '65.

## TASHKENT REGION—PETROLOGY

Lithology of Upper Cretaceous sediments in the Dzhausumkum cross section of the Tashkent region. K. I. Usmanova. *Uzb. geol. zhur.* 8 no. 1:48-56 '64.

## TASHKENT REGION—PLANT LICE

Data on biological characteristics of plant lice living on white acacia, alfalfa and other plants. I. A. Zhuravleva. *Uzb. biol. zhur.* 9 no. 2:72-77 '65.

## TASHKENT UNIVERSITY—GEOLOGY

Trends in the research of the Department of Geology of the Tashkent State University. A. S. Uklein. *IU M. Golubkova, O. I. Islamov. Nauch. izd. TashGU no. 2:19 Geol. nauki no. 21:3-15 '64.*

## TASHKEPRI REGION (TURKMENISTAN)—BENTHOS

Benthos of a pond in the vicinity of the village of Tashkepri in the Murgab Valley. R. E. Besmertina. *Izv. AN Turk SSR. Ser. biol. nauk no. 1:61-69 '65.*

## TASHKEPRI REGION (TURKMENISTAN)—FISHPONDS

Benthos of a pond in the vicinity of the village of Tashkepri in the Murgab Valley. R. E. Besmertina. *Izv. AN Turk SSR. Ser. biol. nauk no. 1:61-69 '65.*

## TATAR A. S. S. R.—BITS (DRILLING AND BORING)

Bits with V-shaped teeth used in boreholes of the Tatar A. S. S. R. P. N. Grigor'ev. *Burenie no. 5:3-4 '64.*

## TATAR A. S. S. R.—CRIME AND CRIMINALS

Zhugin, N. V. [Deciding the fate of a man; notes of a prosecutor]. *Reshala sud'bu cheloveka; zapiski prokurora. Kazan', Tatarskoe knizhnoe izd-vo, 1960, 162 p. [MICROFILM]*

## TATAR A. S. S. R.—CRIMINAL INVESTIGATION

Zhugin, N. V. [Deciding the fate of a man; notes of a prosecutor]. *Reshala sud'bu cheloveka; zapiski prokurora. Kazan', Tatarskoe knizhnoe izd-vo, 1960, 162 p. [MICROFILM]*

## TATAR A. S. S. R.—HISTORY

Nafigov, R. I. [Formation and development of progressive Tatar social and political thought, historical outline of the 1895-1917 period]. *Formirovaniye i razvitiye perezodov tatarskoi obshchestvenno-politicheskoi mysli, ocherk istorii 1895-1917 gg. [Kazan'] Izd-vo Kazanskogo univ., 1964, 444 p. (NNC)*

## TATAR A. S. S. R.—HOUSING, RURAL

Bikchentaev, A. G. [Housing construction in rural areas of the Tatar A. S. S. R.]. *Zhiliishchnoe stroitel'stvo v sel'skoi mestnosti Tatarskoi ASSR. Kazan', Tatarskoe knizhnoe izd-vo, 1961, 169 p. [MICROFILM]*

## TATAR A. S. S. R.—OIL FIELDS—BUILDINGS AND STRUCTURES

Machine accounting for construction and assembly work in the petroleum industry. V. Pak, I. Petrova. *Bukhg. uch. 22 no. 3:44-47 Mr '65.*

## TATAR A. S. S. R.—OIL WELL CEMENTING

Using pozsolan cement. R. T. Krivoborodov, I. A. Sidorov. *Burenie no. 2:11-15 '64.*

## TATAR A. S. S. R.—OIL WELL COMPLETION

Determining the intervals of the inflow of petroleum to a well by the method of differential thermometry. I. V. Kopyrin, I. T. Mikhiko. *Trudy VNII no. 42:235-243 '65.*

## TATAR A. S. S. R.—OIL WELL DRILLING

Oil well drilling of foreman D. M. Nurislamov's crew. A. A. Rodkin. *Burenie no. 2:3-10 '65.*

## TATAR A. S. S. R.—OIL WELL LOGGING

Evaluating rock cavitation on the basis of logging data. I. G. Iusupov, I. E. Shevaidin, E. K. Akhmetzhanov. *Burenie no. 3:17-19 '65.*

## TATAR A. S. S. R.—PETROLEUM—TRANSPORTATION

Seven-year plan fulfilled in six years. V. M. Chertilin. *Neftianik 8 no. 5:20 Mr '63.*

## TATAR A. S. S. R.—PUNCHED CARD SYSTEMS—PETROLEUM INDUSTRY

Machine accounting for construction and assembly work in the petroleum industry. V. Pak, I. Petrova. *Bukhg. uch. 22 no. 3:44-47 Mr '65.*

## TATAR A. S. S. R.—WATER SUPPLY—CONGRESSES

Nauchnaia konferentsiia po voprosam izucheniia vodnykh resursov TASSR i gigeny vodosnabzheniia. Kazan', 1963. [Transactions of the Conference on Problems in Studying the Water Resources of the Tatar A. S. S. R. and the Hygiene of Water Supply]. *Trudy, Pod red. L. N. Kropkogorskogo. Kazan', Kazanskii in-t usovershenstvovaniia vrachei im. V. I. Lenina, 1964, 106 p.*

## TATAR LITERATURE—HISTORY AND CRITICISM

Akademiiia nauk SSSR. Institut mirovoi literatury. [History of Soviet Tatar Literature]. *Istoriia tatarskoi sovet'skoi literatury. Moskva, Nauka, 1965, 677 p.*

## TATEV (ARMENIA)—MONASTERIES

Refectories of Zvartnots and Tatevi Monasteries. O. Kh. Khalkhachyan. *Akhik. nas. 17:51-66 '64.*

## TAURI see subdivision under Crimean Mountains

## TAUTOMERISM

Spectroscopic study of the tautomerism of 4-carbomethoxy-3-ketothiothiophene, 2-carbomethoxy-3-ketothiothiophene, and 4-methyl-2-carbomethoxy-3-ketothiothiophene. B. A. Arbutov, O. A. Erastov, A. B. Remizov. *Dokl. AN SSSR 162 no. 1:82-85 My '65.*

## TAYGONOS PENINSULA—GEOLOGICAL TIME

Absolute age of granitoids in the Taygonos Peninsula. L. V. Firsov. *Dokl. AN SSSR 162 no. 2:414-417 My '65.*

## TAYMYR NATIONAL AREA—GOLTER

Course of pregnancy and labor in women with golter based on data of the Dudinka Maternity Home of Krasnoyarsk Territory, Taymyr National Area. N. A. Neka. *Atush. i gin. 40 no. 5:150-151 S-O '64.*

## TAYMYR PENINSULA—ILMENITE

Metamorphic shales containing ilmenite of the Taymyr Peninsula. N. I. Korobova. *Dokl. AN SSSR 162 no. 1:183-185 My '65.*

## TAZ BAY—HYDROGRAPHY

Extending the navigation period in the Ob' and Taz Bays. N. Shniagin. *Rech. transp. 24 no. 4:44-45 '65.*

## TEBESI see Tiflis

## TEA

Green quick-soluble dry tea concentrate from a raw material. M. A. Bokuchava, G. N. Puidze. *Sob. AN Gruz. SSR 37 no. 3:587-594 Mr '65.*  
Transformation of nitrogen compounds in the leaves of tea plant under different conditions of nitrogen nutrition. A. T. Mirzolian. *Izv. AN Azerb. SSR, Ser. biol. nauk no. 1:81-84 '65.*

## TEA MACHINERY

The "Sakartvelo" self-propelled tea plucking machine. T. A. Chelashvili, D. S. Nasaridze, L. A. Melnikov. *Trakt. i sel'khoz. mash. no. 4:38-39 Ap '65.*

## TEACHER-STUDENT RELATIONSHIP

Don't humiliate love! L. Korneishov. *Sem'ia i shkola 20 no. 5:28-29 My '65.*

Essence of pedagogical tact. O. Malkina. *Nar. obr. 10 no. 5:89-92 My '65.*

His trace in life. B. Uspenskiy. *Prof.-tekh. obr. 22 no. 4:22-23 Ap '65.*

Training in the love for their occupation. A. Tregubov. *Prof.-tekh. obr. 22 no. 2:12-13 F '65.*

Way to the heart. U. Iakimchuk. *Prof.-tekh. obr. 22 no. 2:17 F '65.*

## TEACHERS

His life-work. Doshk, V. G. *30 no. 1:67 Ja '65.*

## TEACHERS, TRAINING OF

(see also subdivision under Odessa)

Discussing the problems of the training of primary grade teachers. H. Z. Ivashyna, H. I. Savyts'ka. *Rad. shk. 43 no. 4:61-62 Ap '65.*

Following the example of the life and work of Vladimir Il'ich Lenin. A. F. Solov'ev. *Sov. pedagog. 20 no. 4:107-110 Ap '65.*

Highest grade of pedagogical education. M. M. Hryshchenko. *Rad. shk. 44 no. 5:62-64 My '65.*

Instructor learns and teaches. V. Grachev. *Prof.-tekh. obr. 22 no. 5:24-25 My '65.*

Let's create a pedagogical atmosphere at the universities. D. O. Lordkipanidze. *Sov. pedagog. 20 no. 5:100-104 My '65.*

Our methodological associations. M. I. Arushanova, L. P. Ozhereleva. *Vech. sred. shkola 8 no. 3:12-13 Mr-Apr '65.*

Schools of the art of teaching. I. I. Kolesnyk. *Rad. shk. 44 no. 5:59-62 My '65.*

## TEACHING

(see also subdivision under Hungary; Ukraine)

Editing role of training methods. R. P. Esipov. *Sov. pedagog. 20 no. 5:143-145 My '65.*

From the "Pedagogical readings." *Vech. sred. shkola 8 no. 2:94-96 Mr-Apr '65.*

Laboratory and practical work during reviewing. V. O. Onyshechuk, D. N. Martynenko. *Rad. shk. 44 no. 5:38-43 My '65.*

Methods of stimulating students during the educational process. I. A. Senina. *Sred. spets. obi. 12 no. 4:12-16 Ap '65.*

Report on comparative pedagogics. *Nar. obr. no. 5:126 My '65.*

Some problems of the outlining of academic subjects. A. I. Iantsov. *Sov. pedagog. 20 no. 5:59-67 My '65.*

Then how must we teach? N. Dalir. *Nar. obr. no. 5:60-65 My '65.*

This can be done in every school. N. Orlov. *Nar. obr. no. 5:51-53 My '65.*

To overcome repeating a year is a requirement of our times. O. M. Rad'chuk. *Rad. shk. 44 no. 5:66-69 My '65.*

Why it is difficult to imitate progressive practices. M. Shumovich. *Prof.-tekh. obr. 22 no. 4:20-10 Ap '65.*

## TEACHING—AIDS AND DEVICES

Programmed teaching and the use of teaching machines in photogrammetry. A. N. Lobanov, V. K. Tul'tonak, V. B. Dubinoyak. *Izv. vyzn. uch. zav. i good 1:101 no. 5:75-82 '64.*

## TEACHING MACHINES

The "TU-1" teaching machine. V. Shkurenkov. *Radio no. 5:13-15 My '65.*

UKM-1 teaching and controlling machine. V. D. Doroshkev. *Rad. shk. 44 no. 5:82-85 My '65.*

## TECHNETIUM

Absorption of technetium from aqueous solutions on anion exchangers produced in the Soviet Union. D. I. Rukhshikov, A. A. Pozdnyakov. *Dokl. AN SSSR 161 no. 4:890-898 Ap '65.*

## TECHNETIUM—ANALYSIS

Present-day state of the analytical chemistry of technetium. A. A. Pozdnyakov. *Usp. khim. 34 no. 2:300-321 F '65.*

## TECHNICAL ASSISTANCE, WEST GERMAN see subdivision under Syria

## TECHNICAL EDUCATION

(see also subdivision under Armenia; Novosibirsk; Tashkent; Ukraine)

Combination factories and higher technical schools today and tomorrow. A. G. Lebedev, M. M. Morin. *Vest. vyzn. shkoly 23 no. 4:26-33 Ap '65.*

The engineer should know how to create. A. P. Mymakov. *Vest. vyzn. shkoly 23 no. 4:22-26 Ap '65.*

Leisure time and the raising of the scientific and technical level of workers in technology and engineering. V. G. Baikova. *Vop. filos. 10 no. 4:60-74 '65.*

"Marx and Engels on the combining of training with productive work and on technical education" by Goldthorpe Krapp. Reviewed by V. Dolin. *Sov. pedagog. 20 no. 4:145-148 Ap '65.*

Pass the fathers' skills to the reliable hands of young workers. V. Golovanov. *Sov. profsoyuzy 21 no. 10:20-21 My '65.*

Problems of the system of vocational and technical education in 1965. A. Bulgakov. *Prof.-tekh. obr. 22 no. 2:1-2 F '65.*

Reliability problem and objectives of higher technical schools. S. I. Zhilinskikh. *Izv. vyzn. uch. zav., prikl. 0 no. 2:3-6 '65.*

Such meetings of scientists are fruitful. N. N. Potkhilav. *Vest. vyzn. shkoly 23 no. 4:50-61 Ap '65.*

Technical information in classes. I. V. Sidorov. *Sred. spets. obi. 12 no. 4:21 Ap '65.*

To be seen at the Exhibition of Achievements of the National Economy of the U. S. S. R. *Sred. spets. obi. 12 no. 4:4-7 Ap '65.*

V. I. Lenin on the combination of training, productive work and technical education. M. N. Skatkin. *Sov. pedagog. 20 no. 4:33-44 Ap '65.*

## TECHNICAL LIBRARIES see subdivision under Pakov Province

## TECHNICAL SOCIETIES

(see also subdivision under Rostov-on-Don)

Collective supervision of the technological policy of an enterprise. V. Morozov. *NTO 7 no. 4:52-54 Ap '65.*

The 20th anniversary of the A. S. Popov Society. N. Sudakov. *NTO 7 no. 4:61-63 Ap '65.*

## TECHNICIANS IN INDUSTRY

Changes in the sphere of the application of engineering work during the period of the large-scale building of communism. A. I. Popov. *Vest. Moskv. univ. Ser. 8: Ekon., filos. 20 no. 3:28-30 My-Je '65.*

The experiment works successfully. V. Chornichenkov. *Sov. profsoyuzy 21 no. 11:17-18 Ja '65.*

## TECHNOLOGICAL INNOVATIONS

(see also subdivision under Black Sea Economic region; Kazakhstan; Leningrad; Leningrad Economic region; Moldavia; Moscow; White Russia)

Advertising board. *Izobr. i rata. no. 3:20-22 '65.*

Advertising board. *Izobr. i rata. no. 4:22-23 '65.*

Advertising board. *Izobr. i rata. no. 5:12-13 '65.*

Analyzing the influence of measures in new technology. I. A. Gradshteyn. *Bukhg. uch. 22 no. 3:28-33 Mr '65.*

Be concerned over the progress of technology in the Leninist way. N. Stollarov. *NTO 7 no. 4:1-4 Ap '65.*

Brief news. *Pr. Arm. 8 no. 3:60 Mr '65.*

Brief news in the Presidium of the Central Council of the All-Union Society of Inventors and innovators. *Izobr. i rata. no. 4:20 '65.*

Conceived-achieved. *Izobr. i rata. no. 3:14; 3:37 '65.*

Conceived-achieved. *Izobr. i rata. no. 4:16-17 '65.*

## TECHNOLOGICAL INNOVATIONS (Continued)

- Creativeness of the masses and technological progress. V. Steibor, I. Simonov, V. Mischchenko. Nauch dokl. vys. shkoly, ekon. nauki 8 no. 3:55-62 '65.
- Exhibitions and displays of special items. Inform. biul. VDNKH no. 10:9-11 O '63.
- Exhibitions of special topics. Inform. biul. VDNKH no. 5:7-13 My '64.
- For the 50th anniversary of the Great October Revolution. V. Ivanov. Izobr. i rats. no. 5:1-4 '65.
- The Fourth All-Union Public Inspection of the Fulfillment of Research Plans and of the Introduction of Scientific and Technical Achievements in the National Economy. Mashinostroi'tel' no. 4:46-47 Ap '65.
- From the exhibition into industrial production. Inform. biul. VDNKH no. 10:12-14 O '63.
- From the exhibition into production. Inform. biul. VDNKH no. 5:13-14 My '64.
- In the Presidium of the Central Council of the All-Union Society of Inventors and Innovators. Izobr. i rats. no. 3:29 '65.
- In the U.S.S.R. Prom. Arm. 6 no. 3:61-63 Mr '65.
- In your lawyer's office. Izobr. i rats. no. 4:4 '65.
- In your lawyer's office. Izobr. i rats. no. 5:7 '65.
- Innovators suggest. Avt. dor. 28 no. 4:24 Ap '65.
- Introducing the achievements of science and technology into industrial production. M. N. Popov. Biul. tekhn. ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform. 18 no. 2:3-6 F '65.
- Labor facilitating devices. A. A. Usov. Mashinostroi'tel' no. 4:8-9 Ap '65.
- Lottery ticket. O. Zholondkovskii. Izobr. i rats. no. 3:5 '65.
- New developments in the Soviet science and technology. NTO 7 no. 3:52-53 Mr '65.
- New developments in Soviet science and technology. NTO 7 no. 4:50-51 Ap '65.
- New forms of the creative activities of the workers' class and their meaning in the period of the large-scale building of communism. M. Sh. Reingold. Vest. Mosk. un. Ser. 8, Ekon., filoa. 20 no. 3:49-58 My-Je '65.
- New merchandise. Sov. potrebn. koop. 9 no. 4:48a-46d Ap '65.
- One year. V. Bakastov. Izobr. i rats. no. 5:14 '65.
- Participation of the Scientific and Technical Societies in the competition of factory collectives for the improvement of technological standards, quality, reliability and lengthening of the service life of manufactured products. Kons. i ov. prom. 20 no. 5:46 My '65.
- Participation of the Scientific and Technical Societies in the fulfillment of the plans for scientific research work and application of the achievements of science and technology in the national economy during 1965. Kons. i ov. prom. 20 no. 5:44-45 My '65.
- Readers' letters. Inform. biul. VDNKH no. 4:14-16 Ap '65.
- Technologist of "Izobretatel' i Rationalizator" visits your home. Izobr. i rats. no. 5:23-24 '65.
- That can be used in your enterprise. Mashinostroi'tel' no. 4:22-23 Ap '65.
- This can be used in your enterprise. Mashinostroi'tel' no. 5:22-23 My '65.
- This is how we live. Izobr. i rats. no. 9:30-31 '65.
- This is how we live. Izobr. i rats. no. 4:12-13 '65.
- This is the way we live. Izobr. i rats. no. 5:8 '65.
- Where is the benefit? A. Maikov. Izobr. i rats. no. 5:18 '65.

## TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

## TECHNOLOGY—ECONOMIC ASPECTS

- Emel'yanov, V. I. [Technical and economic calculations in technological processes; methodology and exercises] Tekhniko-ekonomicheskie raschety v tekhnologicheskikh protsessakh; metodika i uprazhneniia. [Moscow-na-Donu] Izd-vo Rostovskogo univ., 1961. 223 p.

[MICROFILM]

## TECHNOLOGY—INFORMATION SERVICES

- All-Union conference of the representatives of the scientific and technological information services of the food industry. A. K. Chernoguz. Izv. vys. ucheb. zav.; pishch. tekhn. no. 2:190-191 '65.

## TECHNOLOGY AND CIVILIZATION

(see also subdivision under United States)

- Volkov, G. N. [Age of robots or age of man? Sociological problems of technological development] Era robotov ili era cheloveka? Sociologicheskie problemy razvitiia tekhniki. Moskva, Politizdat, 1965. 157 p.

## TEDZHEN RIVER—FLOODS

- Safe passage and efficient use of flood waters of the Tedzhen River. B. Ovezmuradov. Izv. AN Turk SSR. Ser. biol. nauk no. 2:90-92 '65.

## TEDZHEN DELTA—PLANTS—WATER REQUIREMENTS

- Use of various sources of moisture by dominant plant species in the lower Tedzhen Delta. A. Orazmukhommedov. Izv. AN Turk SSR. Ser. biol. nauk no. 1:74-75 '65.

## TEDZHEN DELTA—SOILS

- Physical and moisture characteristics of some soils in the northern part of the Tedzhen Delta. K. Iedzhepbaev. Izv. AN Turk SSR. Ser. biol. nauk no. 1:46-54 '65.

## TELECOMMUNICATION

(see also subdivision under Novosibirsk)

- Coding of signals with multiple phase keying. I. U. B. Okunov. Elektrosviaz' 10 no. 3:78-80 Mr '65.
- Correlation function and the spectrum of sinusoidal oscillations during sudden frequency and phase changes. I. U. B. Barakov. Radiotekh. i elektron. 10 no. 4:595-602 Ap '65.
- Dispersion of the number of zeroes in narrow-band normal noise with finite duration. V. P. Zhukov. Radiotekh. i elektron. 10 no. 5:839-843 My '65.

In the last year of the seven-year plan. N. D. Psurtsev. Vest. sviazi 25 no. 3:1-2 Mr '65.

- Noise-proof feature of communication systems with instantaneous compounding of signals. L. I. Bialyi, V. I. Alzenberg. Radiotekh. i elektron. 10 no. 5:801-811 My '65.

Optimum detection of a diffusion process in white noise. I. U. G. Sosulin, R. I. Stanonovich. Radiotekh. i elektron. 10 no. 5:827-838 My '65.

Parallel decoding for a discrete channel with noise. B. S. Fleishman. Radiotekh. i elektron. 10 no. 5:817-825 My '65.

Practice of using operating and technical sections in servicing wire broadcasting and communication systems. M. T. Velkina, S. I. Mitina. Vest. sviazi 25 no. 3:15-16 Mr '65.

Prospects of measuring techniques in long-distance wire communication lines. G. V. Dem'ianchenko. Vest. sviazi 25 no. 3:3-5 Mr '65.

[Special measurements in wire communication] Spetsial'nye izmereniia v provodnoi sviazi. [By] K. K. Abramov. Izv. Moskva, Sviaz', 1965. 231 p.

The "Zheludki" system equipment for a dispatcher, loudspeaker and telephone communication. B. R. Druz'. Biul. tekhn. ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform. 18 no. 3:32-33 Mr '65.

## TELECOMMUNICATION—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 5 My '65.

## TELECOMMUNICATION—EMPLOYEES

(see also subdivision under Moscow)

Accidents can be prevented. I. S. Starodubtsev. Vest. sviazi 25 no. 3:24 Mr '65.

For high quality in work. A. N. Arutunov. Vest. sviazi 25 no. 3:24-26 Mr '65.

Persistently improve working conditions in telecommunication enterprises. Sixth Plenum of the Central Committee of the Trade Union. Vest. sviazi 25 no. 5:8-11 My '65.

Use every means to disseminate the work practices of the efficiency experts. A. M. Kanaeva. Vest. sviazi 25 no. 3:12-13 Mr '65.

Working conditions of communication workers should receive continuous attention. V. M. Chukovich. Vest. sviazi 25 no. 3:22-23 Mr '65.

## TELECOMMUNICATION—FINANCE

Financial conditions of telecommunication enterprises should be continuously improved. G. E. Golomb. Vest. sviazi 25 no. 3:27-28 Mr '65.

## TELECOMMUNICATION—TECHNOLOGICAL INNOVATIONS

Public inspection of innovations and efficiency measures in telecommunication enterprises. Vest. sviazi 25 no. 3:28 Mr '65.

Results of a competition on the best suggestions. Vest. sviazi 25 no. 3:20 Mr '65.

## TELEGRAPH

Effect of correlation noises on the noise stability of coherent phase telegraphy reception. V. V. Sokolov, M. I. Pelekhatyi. Elektrosviaz' 10 no. 3:25-31 Mr '65.

Interference rejection of phase telegraphy. P. A. Gerasimovskii. Elektrosviaz' 10 no. 3:15-22 Mr '65.

We are improving technological processes in processing telegrams. A. A. Panteleenko, E. A. Livshits. Vest. sviazi 25 no. 3:14-15 Mr '65.

## TELEMETERING

Structure of coding and decoding devices used for the realization of nonbinary codes in telemetering. V. I. Vasil'ev. Izv. vys. ucheb. zav.; prib. 8 no. 2:56-62 '65.

Transforming single-phase voltage into triple-phase in deep-well telemetering units. M. E. Fridman, D. I. Vigdorov. Izv. vys. ucheb. zav.; naft. i gaz. 8 no. 4:95-100 '65.

## TELEPHONE

Collective farms and state farms should be provided with outstanding telephone service. A. A. Pushkov. Vest. sviazi 25 no. 5:26-27 My '65.

## TELEPHONE—EMPLOYEES see subdivision under Gorkiy

## TELEPHONE—EQUIPMENT AND SUPPLIES

Conversion of V-60-S equipment to operation with d. c. power supply. V. I. Abramo, T. M. Esina. Vest. sviazi 25 no. 3:5-7 Mr '65.

## TELEPHONE, DIAL

Automatic switching of signaling machines. N. P. Shamarin. Avtom. telem. i sviazi' 9 no. 5:44-45 My '65.

## TELEPHONE LINES

Group time delay in telephone channels and methods for decreasing its irregularity. G. P. Divnogoritshev. Elektrosviaz' 10 no. 3:65-71 Mr '65.

Gunsht, A. A. [Construction of overhead and cable communication lines, manual] Montazh vozdukhnykh i kabel'nykh lini sviazi, uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi. Pt. 1. 1962. 139 p.

[MICROFILM]

## TELESCOPE, ZENITH

Akademika nauk URSS, Kiev. Holovna astronomichna observatoriia. [Results of observations with zenith telescopes in 1960-1963. Pulkovo, Gorkiy, Kitab, Poltava, Kazan, N. Kutsak, Blagoveshchensk] Rezultaty na-bludeniia na zenit-teleskopiakh, v 1960-1963 gg. [Pulkovo, Gorkiy, Kitab, Poltava, Kazan', Irkutsk, Blagoveshchensk.] Moskva, 1964. 50 p.

## TELETYPE

The use of letter writing teletype apparatus for the registration of initial data. G. S. Fedorova. Vop. stat. i ucheta no. 6:124-130 '62.

## TELEVISION

(see also subdivision under United States)

Destiny of a patient. B. I. Rasin, V. A. Urvalov. Vest. sviazi 25 no. 5:31 My '65.

Information. Vest. sviazi 25 no. 5:32 My '65.

Scientific and technological news. Tekh. kino i telev. 9 no. 5:68-69 My '65.

## TELEVISION—ABSTRACTS

Abstracts. Tekh. kino i telev. 9 no. 5:60-66 My '65.

## TELEVISION—EQUIPMENT AND SUPPLIES

Results of the contest organized by the Radio Broadcasting and Television State Committee of the Council of Ministers of the U.S.S.R. V. N. TSarev. Tekh. kino i telev. 9 no. 5:60-71 My '65.

## TELEVISION—RECEIVERS AND RECEPTION

Channel switch and video amplifier of a transistorized television receiver. G. Aleksakov. Radio no. 4:24-25 Ap '65.

Soon to excel the best ones in the world. Radio no. 5:28-30 My '65.

Transistorized television stages. G. Aleksakov. Radio no. 5:17-18 My '65.

## TELEVISION—REPAIRING

Repaired by amateurs. Radio no. 4:30 Ap '65.

## TELEVISION—TRANSMITTERS AND TRANSMISSION

Use of lasers for the transmission of television picture and sound. S. A. Aliakhshev and others. Tekh. kino i telev. 9 no. 5:44-46 My '65.

## TELEVISION BROADCASTING

New technology of the multiple program television broadcasting. I. A. Rosacevich. Tekh. kino i telev. 9 no. 5:1-8 My '65.

## TELEVISION BROADCASTING OF NEWS

Borodan and its parents. E. Mezhev. Sov. pishch. no. 4:20-32 Ap '65.

## TELEVISION CAMERAS

New LI-400 type vidicon. A. E. Gershberg and others. Tekh. kino i telev. 9 no. 5:50-51 My '65.

Vidicon LI-410 with increased resolving power. K. I. Bich, A. E. Gershberg. Tekh. kino i telev. 9 no. 5:52-56 My '65.

## TELEVISION IN EDUCATION

Televised excursions to industrial plants. V. B. Boyerman, E. A. Margolina. Shkola i prosv. 9 no. 4:25-26 Ap '65.

## TELEVISION STATIONS see subdivision under Leningrad

## TELEVISION STATIONS—ACCOUNTING

Economic indices of the evaluation of the work of a television station. A. A. Rominitayna. Trudy LPI no. 244:109-113 '65.

## TELLURIDES

Neodymium tellurides. E. I. Iarembash, A. A. Eliseev, K. A. Zinchenko. Izv. AN SSSR, Neorg. mat. 1 no. 1:60-67 Ja '65.

## TELLURIUM

Geochemistry of selenium and tellurium in copper-molybdenum deposits. G. Kh. Efendiev, Z. M. Mamedov, F. Ageeva. Dokl. AN Azerb. SSR 21 no. 2:28-32 '65.

## TELLURIUM ALLOYS

Physicochemical analysis of binary systems formed by tellurium and germanium subgroup elements in the liquid state. V. M. Glazov, A. N. Krestovnikov, N. N. Glagoleva. Dokl. AN SSSR 162 no. 1:94-97 My '65.

#### TELLURIUM ISOTOPES—DECAY

The  $T_{1/2}$  decay scheme. A. A. Sorokin, M. Z. Shtai', V. N. Rybakov. Izv. AN SSSR. Ser. fiz. 29 no. 5:619-822 My '65.

#### TELLURIUM ISOTOPES—SPECTRA

Isomeric transitions in  $Tl^{112}$  and  $Tl^{115}$ . The  $\beta/\gamma$  spectrum of  $Tl^{115}$ . D. E. Khuleidze and others. Izv. AN SSSR Ser. fiz. 29 no. 5:734-738 My '65.

#### TEMIR DISTRICT—GEOLOGY, STRATIGRAPHIC

Difference of Upper Cretaceous cross sections in the domes and inter-dome depressions of the Temir region. N. E. Zhebelikh. Blul. MOIP. Otd. geol. 40 no. 2:88-92 Mh.-Ap '65.

#### TEMPERATURE

(see also subdivision under Balkal, Lake)

Controlling the temperature in periodic action digesters with indirect heating. B. I. Peskovoi. Bum. prom. no. 1:17-20 Ja '65.

TEMPERATURE—EFFECT ON METALS see Metals, Effect of temperature on

TEMPERATURE—EFFECT ON PLANTS see Plants, Effect of temperature on

TEMPERATURE—EFFECT ON ROCKS see Rocks, Effect of temperature on

TEMPERATURE—EFFECT ON SEEDS see Seeds, Effect of temperature on

#### TEMPERATURE—PHYSIOLOGICAL EFFECT

Analysis of the causes of the thermal death of skeletal muscles. V. B. Ushakov. Fiziol. zhur. 51 no. 3:389-394 Mr '65.

Changes in the chemical composition of the saliva of dogs in relation to the influence of external temperatures. V. A. Sivoronov. Trudy Khar. med. inst. no. 36:413-420 '57.

Effect of temperature on the embryonic development of pond carp. K. I. Tatarov. Gidrobiol. zhur. 1 no. 1:62-68 '65.

Formation of a conditioned motor reflex to a thermal stimulant in baby rats in the early postnatal period. N. V. Toropova. Nauch. soob. Inst. fiziol. AN SSSR no. 3:157-160 '65.

One of the mechanisms of adaptation of isolated mammary cells to temperature. E. D. Skholi'. TSitologiya 4 no. 5:562-565 S-O '62.

Participation of digestive organs in the regulation of water-electrolyte metabolism under various thermal conditions. A. I. Uzunov, E. S. Belova. Fiziol. zhur. 51 no. 3:378-383 Mr '65.

Possibility of using a temperature-gradient device for studying cardinal temperature points in the growth of micro-organisms. V. A. Kordium, Z. V. Lazurkevych, L. H. Zhavorova. Mikrobiol. zhur. 27 no. 2:83-88 '65.

Some changes in the cardiovascular system in elderly persons under conditions of high temperature of the air. L. V. Gavrilin. Vop. geron. i geriat. 4:99-104 '65.

Some data on the effect of nitroglycerin and thermal stimulants on the capillary blood circulation in elderly and senile persons, preliminary report. K. G. Sarkisov. Vop. geron. i geriat. 4:91-94 '65.

#### TEMPERATURE—TRANSMISSION

Determination of the coefficients of transfer functions of heat receivers. V. L. Shukhachov, E. I. Fandeev. Izv. vys. ucheb. zav., elektromekh. 8 no. 3:336-341 '65.

#### TEMPERATURE FIELDS

Analytical determination of temperature fields by the height of the regenerator checkerwork in an open-hearth furnace. N. G. Chuvikina, V. A. Sheherbakov. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:173-179 '65.

Temperature field in a parallelepiped heated by a radiant flow. V. V. Ivanov, I. V. Vildin. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:180-182 '65.

#### TEMPERATURE FIELDS—MEASUREMENT

Using an interferometer in determining temperature fields. V. V. Malozemov, I. A. Turchin. Inzh.-fiz. zhur. 8 no. 2:182-185 F '65.

#### TEMPERATURE REGULATORS

Control of the temperature of the cooling of lightbulbs on series VL60 a.c. locomotives. M. A. Katser, V. I. Pokromkin. Elek. i tepl. Haza 9 no. 3:34-35 Mr '65.

Control of the temperature of the feeding of ammonia compressors. R. M. Lazebnik, A. I. Chupakhin. Khol. tekhn. 42 no. 2:57-58 Mr.-Ap '65.

#### TEMPERING

Effect of slow low-temperature tempering on changes in the structure and properties of steel during subsequent tempering. L. I. Lysak, A. G. Drachinskaya. Sborn. nauch. trud. Inst. metallofiz. AN URSR no. 10:161-164 '64.

TEMPLES see subdivision under Cambodia

#### TENDONS—INJURIES AND RUPTURES

Neglected subcutaneous ruptures of muscles and tendons. I. A. G. Dubrov, O. Sh. Buachidze. Ortop. i travm. i protez. 26 no. 2:69-70 F '65.

#### TENDONS—SURGERY

Effect of suture material on the regeneration of tendons, experimental study. S. I. Degtiarova, G. I. Lavrishcheva. Ortop. i travm. i protez. 26 no. 1:52-56 Ja '65.

#### TENDONS—TUMORS

Six cases of giant cell tumors of the vagina tendons. M. P. Karavaev. Khirurgiya 41 no. 4:136-138 Ap '65.

#### TENDONS—WOUNDS AND INJURIES

Use of cuffs from capron tissue and cellulose filter on film for the isolation of an injured tendon, experimental study. I. A. Bellavina. Ortop. i travm. i protez. 26 no. 1:48-52 Ja '65.

#### TENSIOMETRY

Conditions for the use of current collectors during the testing of lumber transportation machines. L. M. Kopelevich. Trudy STI 37:114-163 '64.

Tensiometric method for measuring the speed of the movement of the grain mass in the clearance of a threshing machine. I. U. I. Gorbalev, Vest. sel'khoz. nauki [Kazakh] 8 no. 4:62-65 Ap '65.

TENT CATERPILLARS see subdivision under Siberia, Western

#### TEOSINTE

Selectivity of the pollination of corn in relation to teosinte. T. R. Rashidov. Uzb. biol. zhur. 9 no. 2:78-81 '65.

#### TEPLITS, VENIAMIN LAZAREVICH, 1879-1964

Veniamin Lazarevich Teplits; an obituary. S. S. Vail'. Vest. khir. 94 no. 2:147 F '65.

#### TERBIUM ISOTOPES—DECAY

Decay scheme of  $Tb^{152}$ . K. I. A. Gromov and others. Izd. fiz. 1 no. 4:582-572 Ap '65.

#### TEREPHTHALIC ACID

Amorphous texture of polyethylene terephthalate films. L. G. Kazarian, D. I. A. Tsvankin. Vysokom. soed. 7 no. 1:80-87 Ja '65.

#### TERMS AND PHRASES

Scientific and technical terminology in foreign language classes. A. N. Maikova. Vech. sred. shkola 8 no. 2:62-68 Mh.-Ap '65.

#### TERPENES

Condensation of unsaturated thio ethers of the terpene series with orthoformic ester. G. S. Ter-Sarkisyan, B. M. Mikhailov. Izv. AN SSSR. Ser. khim. no. 3:561-563 '65.

TERRACES (GEOLOGY) see subdivision under Dzirlula River; Rioni Valley

#### TERRAMYCIN

Use of brewery wastes for the production of fodder terramycin. G. M. Tsarykov, E. A. Sazonova. Ferment. i spir. prom. 31 no. 1:31-33 '65.

TERRESTRIAL ELECTRICITY see Earth currents

#### TESTICLE

Content and composition of nucleic acids in the muscles and testes of Peking and wild ducks. V. M. Haidai. Ufa. biokhim. zhur. 34 no. 3:352-358 '62.

#### TESTING LABORATORIES

(see also subdivision under Karelia; Kemerovo) Need for a revision of the Regulations for Industrial Laboratories. R. V. Shmul'skaya. Khleb. i kond. prom. 9 no. 5:3 My '65.

#### TESTING MACHINES

Device for determining the brand of steel. V. I. Zverev. Mashinostroitel' no. 4:17 Ap '65.

#### TETANUS

Fluorescent antibody technique in the detection of tetanus bacilli. I. A. I. Alekseyev, I. A. G. Kishko. Voen.-med. zhur. no. 10:47-50 '64.

Methodology of using neuroplegic preparations in the compound treatment of tetanus. I. I. Epishina. Sov. med. 28 no. 1:79-82 Ja '65.

Problems of modern compound treatment of tetanus; a review of literature. K. T. Proshunin. Voen.-med. zhur. no. 10:34-38 '64.

#### TETANUS—PREVENTION

Treatment and prevention of tetanus. G. N. Tsybuliak. Voen.-med. zhur. no. 10:38-43 '64.

#### TETANUS ANTITOXIN

Characteristics of immunity in guinea pigs irradiated following vaccination with sorbed tetanus antitoxin. A. I. I. Ilyutovich, B. N. Raikis, I. I. Labetskii. Zhur. mikrobiol. i epid. i immun. 41 no. 11:100-103 N '64. Experimental study of transplacental transmission of tetanus antitoxin. M. N. Lents, E. K. Lents, I. A. Mravtjan. Zhur. mikrobiol. i epid. i immun. 41 no. 11:36-39 N '64. Treatment and prevention of tetanus. G. N. Tsybuliak. Voen.-med. zhur. no. 10:38-43 '64.

#### TETRACYCLINE

Expedient methods for the administration of tetracycline in treating chronic cholecystitis. V. R. Sobolev, V. A. Galkin, N. S. Brodinova. Antibiotiki 10 no. 2:173-176 F '65.

Intramuscular use of tetracycline antibiotics in buccal lesions in an experiment and in a clinic. V. R. Sobolev, N. I. Givental', I. U. F. Sheherbak. Trudy TSU 68:140-144 '64.

Tetracyclines. Part 40: Michael's reaction with derivatives of 3,4-tricycline DCB. A. I. Gurevich and others. Zhur. ob. khim. 35 no. 4:652-659 Ap '65.

Tetracyclines. Part 41: Synthesis of 11,12a-dideoxy-4-dimethylamino-6-demethyl-5a,6-anhydrotetracycline. M. N. Kolosov, V. V. Onopilenko, M. M. Shemakina. Zhur. ob. khim. 35 no. 4:659-667 Ap '65.

Tetracyclines. Part 42: Synthesis of 11,12a-dideoxy-4-dimethylamino-5a,6-anhydrotetracycline. A. I. Gurevich and others. Zhur. ob. khim. 35 no. 4:668-673 Ap '65.

Use of tetracyclines as analytical reagents for the detection of tetravalent cerium cations. A. Kh. Batalin. Trudy Oren. sel'khoz. inst. 14:174-177 '63.

#### TEXTBOOKS

Let's supply technical schools with high-quality educational literature in the shortest possible time. P. I. Polukhin. Sred. spets. obsh. 12 no. 1:1-3 Ap '65.

#### TEXTILE FABRICS

Fabrics with reclaimed wool content. A. G. Dikhanova. Tekst. prom. 25 no. 3:12-11 Mh '65.

Investigating the material and resolving power of silk printing screens. L. N. Dmitriev, V. I. Rusakov. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:59-69 '65.

Some properties of vacuum metalized fabrics. G. V. Morozov. Tekst. prom. 25 no. 3:61-65 Mh '65.

Ways to prevent nap piling of textiles. A. V. Goncharuk, A. I. Pavlov. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:49-50 '65.

#### TEXTILE FABRICS—CLASSIFICATION

Concerning the wrong identification of the characteristics of the main weave types. O. S. Kutepov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:85-87 '65.

General principles for the classification of fabrics for consumers' use. N. Kh. Uzunov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:80-84 '65.

#### TEXTILE FABRICS—DYEING

Intensification of the dyeing of fabrics on small capacity dyeing machines of the printing shops. I. I. Kirsanov. Tekst. prom. 25 no. 3:77-81 Mr '65.

#### TEXTILE FABRICS—TESTING

Deformation of fabrics with equal weave tightness during uniaxial stretching in various directions. T. A. Modestova. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:16-23 '65.

Effect of weave tightness and finishing of viscose staple suiting on some of its characteristics in flexing deformation. V. P. Sklannikov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:36-40 '65.

Fatigue, relaxation and aging of textiles. G. Berlinger. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:8-15 '65.

Method of fabric testing for biaxial stretching. I. A. Monakhov. Tekst. prom. 25 no. 3:65-69 Mr '65.

Relation between the characteristics obtained in one-time and repeated stretching of fabrics. N. I. A. Tretyakova. Izv. vys. ucheb. zav., tekhn. leg. prom. no. 2:51-55 '65.

Shrinkage of summer dress fabrics of various structure and finishing. B. D. Semak. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:15-19 '65.

#### TEXTILE FACTORIES—CLEANING

Organization of a completely mechanized dust and waste removal in textile factories. P. P. Zotov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:131-137 '65.

TEXTILE FACTORIES—DESIGN AND CONSTRUCTION see subdivision under France

#### TEXTILE FACTORIES—HEATING AND VENTILATION

Possibility of the transfer of textile industry enterprises to the steamless technology. S. M. Petrakov. Tekst. prom. 25 no. 5:81-83 My '65.

#### TEXTILE FIBERS

Characteristics of cotton blends with synthetic fibers and of yarns produced from these blends. A. L. Sizova. Tekst. prom. 25 no. 3:23-28 Mr '65.

#### TEXTILE FIBERS—MEASUREMENT

Application of diffraction methods for measuring the diameter of textile fibers and yarn. V. I. Aikoviev. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:28-31 '65.

#### TEXTILE FIBERS—TESTING

Type SD-4 instrument for determining the torsion characteristics of textile fibers. G. S. Zaretskaya. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:23-27 '65.

#### TEXTILE FIBERS, SYNTHETIC

Continuous salt method for the production of synthetic nitron fibers. S. A. Kaplan. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:20-21 Mr '65.

Determining the amount of air entering through the thread guide into the spinning centrifugal pot rotating in a free space. E. K. Avvakumov. Izv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:117-122 '65.

## TEXTILE FIBERS, SYNTHETIC (Continued)

- Fatigue, relaxation and aging of textiles. G. Berlinger. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:6-15 '65.
- Isometric method for the evaluation of synthetic fibers. I. S. Gerasimova, A. B. Pakshver. Tekst. prom. 25 no. 4:59-63 Ap '65.
- Physico-hygienic properties of goods manufactured from synthetic bulk yarn. N. A. Ghechukhina, K. A. Rapoport. Tekst. prom. 25 no. 3:14-18 Mr '65.
- Reference materials. Tekst. prom. 25 no. 3:95-96 Mr '65.
- Using the comb spinning system for the processing of "prelan" synthetic fibers. A. D. Volkova. Tekst. prom. 25 no. 3:29-31 Mr '65.

## TEXTILE FIBERS, SYNTHETIC—TESTING

- Mechanical properties of fibers made from polyethylene and copolymers of ethylene with propylene. T. V. Dushinina and others. Tekst. prom. 25 no. 5:10-24 My '65.
- Mechanism of the strength reduction in synthetic fibers during the twisting of complex yarn. M. P. Nosov. Tekst. prom. 25 no. 5:21-29 My '65.

## TEXTILE FINISHING

- Antibacterial cellulose fibers and fabrics. T. A. Mal'kova and others. Tekst. prom. 25 no. 1:15-17 Ap '65.
- Calculating the magnitude of the charges and forces acting upon the nap during its application on the fabric by the electrostatic method. F. N. Belshev. Tekst. prom. 25 no. 3:75-77 Mr '65.
- Classification of the defects of products obtained by means of electrostatic nap coating. E. N. Belshev, M. I. Sukharev. Lv. vys. ucheb. zav., tekhn. log. prom. no. 2:45-48 '65.
- Combining the dyeing of fabrics with active dyes with their finishing with thermosetting resins. T. D. Zakharova, P. V. Malyanov. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:11-16 '65.
- Shrinkage of summer dress fabrics of various structure and finishing. B. D. Semak. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:15-19 '65.
- Studying the reaction of hydrolysis with cellulose in the presence of cadmium salts. G. K. Steglov and others. Tekst. prom. 25 no. 4:52-53 Ap '65.

## TEXTILE FINISHING—EQUIPMENT AND SUPPLIES

- Kruchina, R. A. [Machines for mechanical textile finishing, theory, design and construction] Mashiny dlya mekhanicheskoi odelki tkanei, teorija, raschet i konstruirovaniye, Moskva, Mashinostroenie, 1965, 270 p.

## TEXTILE INDUSTRY

- (see also subdivision under Transcaucasia)
- Provide textile enterprises with permanent specialized personnel. V. I. Pozdyshev. Tekst. prom. 25 no. 4:5-7 Ap '65.
- Quality and more quality. Tekst. prom. 25 no. 3:1-5 Mr '65.

- Semenchuk, G. F. [Big textile bourgeoisie of Moscow and tsarist economic policy at the end of the 19th century, author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Krupnaya moskovskaya tekstil'naya burzhuanizatsiya i ekonomicheskaya politika tsarizma v konets XIX veka, avtoreferat dissertatsii na soiskaniye uchenoj stepeni kandidata istoricheskikh nauk, Nauchnyy ukovoditel', P. I. Kabanov, Moskva, Mosk. obshch. pedagog. in-t, 1964, 19 p.

[MICROFILM]

- TEXTILE INDUSTRY—ACCOUNTING see subdivision under Moscow; Upper Volga Economic region

## TEXTILE INDUSTRY—COSTS

- Methodology for analyzing the utilization of raw materials in the weaving mills. A. M. Romanova. Tekst. prom. 25 no. 4:1-5 Ap '65.

## TEXTILE INDUSTRY—FINANCE

- Application of the indicator of the capital yield for the characterizing of the utilization of capital assets in textile enterprises. A. M. Liberman. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:9-14 '65.
- Methodology for analyzing the utilization of the capital assets of the textile industry. A. P. Kolosov, V. N. Bocharov. Tekst. prom. 25 no. 5:74-78 My '65.

## TEXTILE INDUSTRY—MANAGEMENT

- (see also subdivision under Moscow)
- Efficiency of the use of type P-105 pneumatic looms. B. G. Luzhetskiy. Tekst. prom. 25 no. 5:10-12 My '65.
- Reorganization of the assortment of products and planning. L. A. Mal'vin. Tekst. prom. 25 no. 5:70-74 My '65.

- TEXTILE INDUSTRY—PERIODICALS see subdivision under Communist Countries

- TEXTILE INDUSTRY—PRODUCTION STANDARDS see subdivision under Kheshtina (Ivanovo Province)

## TEXTILE INDUSTRY—QUALITY CONTROL

- (see also subdivision under Germany, East; Latvia)
- Concerning the evaluation of the quality level of production. P. P. Faminiskiy, V. S. Gaskel'. Tekst. prom. 25 no. 5:1-3 My '65.

- System for a defectless production of goods. N. A. Il'ina, E. S. Saigeeva, M. I. A. Kononov. Tekst. prom. 25 no. 5:4-6 My '65.

## TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

- In the State Committee of the Light Industry and Central Administration of the Scientific and Technical Society of the Light Industry. Tekst. prom. 25 no. 3:81 Mr '65.
- Information. Tekst. prom. 25 no. 5:91-96 My '65.
- Introduction of new production methods and new equipment in the textile industry. G. B. Bishenkevich, B. V. Malyshova. Blud. tekhn.-ekon. inform. dos. nauch.-issl. inst. asus. i tekhn. inform. 18 no. 2:17-50 F '65.

## TEXTILE INDUSTRY—TESTING

- Nonuniformity of the weight of the product and its calculation by the diagrams of recording instruments. B. P. Pozdnyakov. Tekst. prom. 25 no. 5:67-61 My '65.

## TEXTILE MACHINERY

- Contactless systems for detecting thread breakage. A. K. Rastorguev. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:133-135 '65.
- Device for automatic weft straightening based on the changes of the elastic properties of fabrics during bias distortion. A. M. Kulikov. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:127-130 '65.
- Manufacture of half-woolen interlining on AChV-V machine units. I. M. Khateneva. Tekst. prom. 25 no. 1:43-45 Ap '65.
- Methodology of the design for restricted torsion of a thin-walled rod fastened with bolts on its ends. S. P. Vostokov. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:141-146 '65.
- Moment of friction forces in the differential fiction of a sizing machine and its effect on warp tension. Z. V. Shamrai. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 2:113-117 '65.
- New universal automatic device for weft straightening in fabrics. A. B. Patel, A. I. Volkov. Tekst. prom. 25 no. 3:50-60 Mr '65.
- Possibility of the transfer of textile industry enterprises to the steamless technology. S. M. Petukov. Tekst. prom. 25 no. 5:81-83 My '65.
- Simulating the drawing process by means of electronic analog computers. A. Nemura. Trudy AN Litv. SSR, Ser. B no. 3:171-188 '61.
- Use of hydrodynamic vibrators for the preparation of emulsions and sizes. A. I. Dadunashvili. Tekst. prom. 25 no. 5:41-44 My '65.

## TEXTILE MACHINERY—CLEANING

- Cleaning capacity of the brushes of wirt mappers. R. A. Kruchina. Lv. vys. ucheb. zav., tekhn. tekst. prom. no. 1:136-140 '65.

## TEXTILE MACHINERY—ELECTRIC DRIVING

- Modernized driving of tentering and drying machines. O. I. Smirnova, S. V. Gijarevskiy, G. P. Ushakov. Tekst. prom. 25 no. 4:67-69 Ap '65.

## TEXTILE MACHINERY—MAINTENANCE AND REPAIR

- Economic efficiency of the overhauling of machinery. M. G. Sobolev. Tekst. prom. 25 no. 4:8-10 Ap '65.

## TEXTILE MACHINERY—PARTS

- Machine parts made from metal reinforced plastics. S. I. Bolon'kiy. Tekst. prom. 25 no. 5:65-69 My '65.

## TEXTILE MACHINERY—TESTING

- Determining the optimum braking load of the tension devices on winding and warping machines. M. A. Shepov and others. Tekst. prom. 25 no. 4:33-35 Ap '65.

## TEXTILE PRINTING

- Intensification of the drying of fabrics on small capacity drying machines of the printing shops. I. I. Kirsanov. Tekst. prom. 25 no. 3:77-81 Mr '65.
- Method of printing without back grey. A. A. Stal'skiy. Tekst. prom. 25 no. 3:60-61 Mr '65.

## TEXTILE RESEARCH

- Experimental processing of asbestos fibers blended with spun rayon. V. I. Afanov, N. D. Kniazeva. Tekst. prom. 25 no. 3:92-93 Mr '65.
- Some work practices of scientific research laboratories. N. U. Gurentuk. Tekst. prom. 25 no. 3:81-82 Mr '65.

- TEXTILE WORKERS—EDUCATION AND TRAINING see subdivision under Krasnodar

## THALLIUM

- Effect of impurities on the temperature dependence of a superconducting thallium junction on pressure. Part 1. B. G. Lazarev and others. Zhur. eksp. i teor. fiz. 48 no. 4:1065-1070 Ap '65.

## THALLIUM SELENIDE CRYSTALS—ELECTRIC PROPERTIES

- Anisotropy of the electric properties of p-type single crystals. G. D. Guseinov, G. A. Akhmedov. Dokl. AN Azerb. SSR 21 no. 1:8-13 '65.

## THALLIUM SULFIDES

- Use of thallium for the precipitation of thallium and lead sulfides. V. F. Toropova, V. V. Belozerskaya, A. I. Chernitsyn. Lv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:988-993 '64.

## THEATER

- (see also subdivision under Berlin, Ghana, Great Britain; Ukraine, United States)

- Adherence to truth, performance of "Virgin Land" upon in the theater. I. A. Bilinkis. Vop. lit. 9 no. 4:19-Jt Ap '65.

- Drama, time, historians. K. Rudnitskiy. Vop. lit. 9 no. 1:73-91 Ap '65.

## THEATER—PRODUCTION AND DIRECTION

- The play is lying on the desk. A. Timonin. Sem. i shkola 20 no. 5:46 My '65.

## THEATERS—FIRES AND FIRE PREVENTION

- Bases of the initial data for the design of fireproof curtains. M. S. Akkenov, M. I. Roitman. Izv. bezop. no. 3:47-51 '61.

## THEFT see Larceny

## THEODOLITES

- Basis of the methodology of processing wind observations made by means of the "Mafakhit" radio theodolite with a range adapter. O. V. Marfenko. Trudy TSO no. 60:92-99 '64.

- Using the TEO 5 hanging theodolite. V. A. Mosunov. Gor. zhur. no. 5:56-57 My '75.

## THEORY OF ERRORS see Errors, Theory of

## THEORY OF GROUPS see Groups, Theory of

## THEORY OF KNOWLEDGE see Knowledge, Theory of

## THEORY OF NUMBERS see Numbers, Theory of

## THEORY OF POTENTIAL see Potential, Theory of

## THERAPEUTICS

- Basic modern methods of the treatment of thrombo-oliterating arterial diseases of the extremities. V. I. Portadina. Vest. khir. 94 no. 2:28-32 F '65.

- Chebotaiev, E. E. [Compound treatment of acute radiation sickness] Kompleksnoe lechenie ostrogo luchevogo bolezni. Kiev, In-t fiziol. i med. 1965, 204 p. (DNLM)

- Current state of the clinical study of giant-cell bone tumors (osteoblastomas). V. I. A. Shlapoberskiy, L. P. Kuznetsov, Khirurgiya 41 no. 1:121-126 Ap '65.
- Diagnosis of multiple idiopathic hemorrhagic sarcoma of the skin (Kaposi's sarcoma). S. Z. Gorshkov. Khirurgiya 41 no. 4:114-117 Ap '65.

- Outpatient treatment of varicose ulcers with antibiotics, sponges and elastic bandages. M. N. Lysitskiy. Sov. med. 28 no. 1:113-116 Ja '65.

- Treatment of pneumonia in whooping cough patients with neurologic mixtures in combination with antibiotics and symptomatic substances. Z. I. Krasovitskiy. Sov. med. 28 no. 5:124-127 My '65.
- Treatment of urogenital trichomoniasis. B. A. Tikhonov. Akush. g. 40 no. 5:89-93 S-O '64.

## THERAPEUTICS—HANDBOOKS, MANUALS, ETC.

- Adenaki, A. D. [Therapist's guide] Sputnik terapevta, Minsk, Izd-vo "Belarus", 1964, 684 p. (DNLM)

## THERMAL ANALYSIS

- Differential thermal analysis of polymers. V. O. Gorbacheva, N. V. Mikhailov. Vysokom. soed. 7 no. 1:26-32 Ja '65.

- Differential thermal analysis of the systems  $LiNO_2 - LiNO_3$ ,  $RbNO_2 - RbNO_3$ ,  $CsNO_2 - CsNO_3$ . P. I. Protsenko, R. P. Shisholinn. Lv. vys. ucheb. zav. i khim. i khim. tekhn. 7 no. 6:875-889 '61.

- Phase diagram of  $TiCr_2 - ZrCr_2$ . I. I. Kornilov and others. Dokl. AN SSSR 161 no. 6:1378-1381 Ap '65.

- Thermal analysis of the systems  $TiCl_4 - SiCl_4 - POCl_3$  and  $TiCl_4 - VOCl_3 - POCl_3$ . A. S. Barabanova, B. A. Vostovich. Ukr. khim. zhur. 31 no. 4:352-359 '65.

- Thermodynamic analysis of germanium behavior in the pyrolytic process. A. A. Babadzhanyan. TSvet. met. 30 no. 4:50-52 Ap '65.

- Thermodynamic analysis of the behavior of sulfur during the sintering of iron ores. I. S. Kulikov, G. M. Komissarov. Izv. AN SSSR. Met. no. 1:3-10 Ja-F '65.

## THERMAL DIFFUSIVITY

- Heat exchange between an axisymmetric stream and a plate in a normal position in the flow. P. M. Rydlik, V. K. Savin. Inzh.-fiz. zhur. 8 no. 2:146-150 F '65.

## THERMAL INSULATION see Insulation (Heat)

## THERMAL STRESSES

- Heat erosion resistance and deformation of 3 KhGS steel during various methods of cooling. D. M. Korneev, G. V. Smirnov. Lv. vys. ucheb. zav., Chern. met. 8 no. 5:124-128 '65.

- Thermal fatigue of metals. I. A. Dekhilar. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 20:32-40 '64.

## THERMAL STRESSES—MODELS

- Investigating the character of ingot mold wall deformation with the use of a plexiglas model. A. V. Kuksha. Lv. vys. ucheb. zav.; Chern. met. 8 no. 5:45-50 '65.



**THERMAL WATERS** see subdivision under **Barguzin Preserve**

## THERMIONIC EMISSION

Effect of oxygen and water vapor adsorption on work function of an electron from titanium dioxide A V Pamilov, P. G. Bondar', I. A. S. Mazurevich Ukr khim zhur 31 no. 148-53 '65.

Use of a thermionic source of lithium positive ions for the analysis of some gaseous mixtures IU A Bragin, S V Starilova, Zhur anal khim. 20 no 3 305-308 '65

## THERMISTORS

Ferrite capacitance-type transducer-converter A A Bokirinskaya, V V Komlik Izv vys ucheb zav , radio-tekhn 8 no 1105-108 Ja-T '65

## THERMOCOUPLES

Measuring the temperature of liquid cast iron in the ladles during the blow with oxygen K. G. Kartimov, Met. i gornorud. prom no. 2:75-78 Mr-Apr '65.

Performance of thermocouple tips made of zirconium boride in a bessemer converter V S Kocho and others, Porosh met 5 no 188-93 Mr '65

Sansonov, G. V., and P. S. Kislyi, [High-temperature nonmetallic thermocouples and tips] Vysokotemperaturnye nemetallicheskie termopary i nakonechniki, Kiev, Naukova dumka, 1965, 180 p.

Small thermocouples for measuring temperature in the reactor of the first atomic electric power plant V I Subbotin and others Teploenergetika 12 no 5 91-94 My '65

## THERMODYNAMICS

Complete thermodynamic functions and their use in calculating the states of equilibrium of complex thermodynamic systems, G. B. Sinlarev Izv. vys. ucheb. zav., mashinost., no. 2 99-100 '65.

Liquid flow between rotating coaxial cylinders making allowance for heat of friction and the temperature dependence of viscosity S. A. Kaganov Inzh.-fiz., zhur 8 no. 3,307-310 Mr '65

Moisture transport caused by an internal heat source in a closed system V V Puchkovskii Inzh.-fiz., zhur. 8 no 3:336-340 Mr '65

Some relations between thermodynamic functions and its theoretical-informational interpretation, R. L. Stratonovich, E. A. Zhil'kov, Vest. Mosk. un. Ser. 3. Fiz., astron 20 no. 2:44-52 Mr-Apr '65.

Telesnin, R. V., [Molecular physics] Molekuliarnaya fizika, Moskva, Vysshaya shkola, 1965 297 p.

Thermal diffusion in a fan jet, V. P. Kashkarov Izv AN Kazakh SSR, Ser. fiz.-mat. nauk 3 no. 1 82-86 Ja-P '65

Thermodynamic fundamentals of rheology, L. F. Khorooshun, Prikl. mekh. 1 no. 1:82-97 '65.

Zubarev, V. N., and A. A. Aleksandrov, [Practical work in engineering thermodynamics] Praktikum po tekhnicheskoi termodinamike, Pod red. M. P. Vukalovicha, Moskva, Energiya, 1965, 295 p.

## THERMODYNAMICS—CHARTS, DIAGRAMS, ETC.

Godlevskii, M. N., [Methods for preparing diagrams in physics and chemistry] Metodika sostavleniya fiziko-khimicheskikh diagramm, Moskva, Nedra, 1965, 87 p.

## THERMOELECTRIC APPARATUS AND APPLIANCES

A battery originates millions of volts E Muslim Izobr. i rats no 4 5-6 '65

## THERMOMETERS

Operation and production planning for manufacturing heat-measuring instruments A N Klimov, A. V. Lanskov, Trudy LPI no 244 101-108 '65.

Transistorized electric thermometer, E. Krasutsev, Radio no 4:47-48 Ap '65

## THERMOMETRY

Determining the intervals of the inflow of petroleum to a well by the method of differential thermometry, IU. V. Kapyl'in, I T. Mikitko Trudy VNI no. 42 235-243 '65.

Determining the temperature of self-ignition of meltable solid and viscous liquid substances, V. S. Saushev, Fozh. bezop no. 3:55-58 '64.

Dynamic characteristics of a stationary linear system for temperature measurement, IU. L. Rozenshtok, Izv. tekhn no 3 27-31 Mr '65.

## THERMOPHILIC BACTERIA see Bacteria, Thermophilic

## THERMOPILES

Efficient design of differential thermopiles, A. V. Donskoi, I. Sh. Lutsker, Priboirostroenie no. 4:26-27 Ap '65.

## THERMOSTAT

How to keep the water temperature constant, B. M. Glikin, Priroda 54 no 5:12 12 My '65

## THIAMINE

Effect of vitamin B<sub>1</sub> deficiency in food on the susceptibility of albino rats to plague infection, G. G. Korobkov, I. F. Tereshchenko, Vop. pit. 23 no 5:67-70 S-O '64.

Oxidation-reduction transformation of thiamine, A. N. Razumovich, Ukr. biochim. zhur. 37 no. 1 105-109 '65.

Some data on the state of supplying elderly and senile persons with thiamine and riboflavin, V I. Molotkov, Vop. geront. i geriat. 4:225-230 '65.

## THIAZINE

Norcyamfines in the series of dihydrobenzo-L, 4-thiazine, L. K. Mushkalo, N. K. Mikhailichenko Ukr. khim. zhur 30 no. 6 608-613 '64

## THIAZOLE

Alkylation of aminothiazoles. Part 3: Alkylation of 2-methylamino-4-methylthiazole, S I. Buzmatrov, V A Krasovskii Zhur org khim 1 no. 1:183-185 Ja '65

## THIAZOLINONE

Derivatives of 4(5)-oxazolone and 4(5)-thiazolone. Part 2: Reaction of derivatives of haloacetic acids with some derivatives of mono- and diacids S. M. Khripak, I. V. Smolanka, V I. Staninets, Ukr khim zhur 30 no 6 618-619 '64.

## THICKENING AGENTS

Possibility of using gumbrin for substituting part of the starch in sizes and thickeners N I Dugin, Tekst prom 25 no 4 54-56 Ap '65.

## THIENOTHIOPHENE

Thiophthene series, Report No. 6: Cyclization of 3-acetylthienothiophenes in the presence of aluminum chloride, IA. L. Goldfarb, V. P. Litvinov, S. A. Ozolin', Izv. AN SSSR, Ser. khim. no. 3:510-515 '65.

## THIOCYANATES

Composition of a rhodium thiocyanate complex compound L G Mushegian, V M Taralan Izv. AN Arm SSR, Khim. nauki 18 no 1:118-120 '65.

Extraction of thiocyanate complexes of lanthanum, cerium, praseodymium, and neodymium, A. M. Golub, M. I. Olevinskii, E. F. Lutsenko, Ukr. khim. zhur. 31 no. 1: 12-17 '65.

Extraction of zinc and Co (II) thiocyanate complexes with isomyl alcohol, G. A. Kataev, I. S. Shpner Izv vys ucheb zav ; khim i khim. tekhn. 7 no 6:891-897 '64

## THIOLS

Synthesis of trialkylphenyl trithiophosphites, A. M. Kuliev, F. A. Mamedov, F. N. Mamedov, Azerb khim. zhur. no. 3:56-57 '64.

## THIOLS—PHYSIOLOGICAL EFFECT

Cardiovascular changes under the influence of amino-thiols, a review of literature, L I Tank, V I Kuznetsov, Med rad 9 no 7:56-66 Ji '64

## THIOLS—THERAPEUTIC USE

Mechanism of functional and morphological renal changes in radiation sickness (Po<sup>210</sup>) in rats treated with unithiol, Z I Poluboiarova, V. N. Strel'tsova, Med rad 9 no 7:22-27 Ji '64.

## THIONES

Series of benz- and naphthazoles. Part 7: S-triazolo [4,3-c] benzimidazole-3-thiones N. P. Bednagina, I. N. Getsova Zhur. org. khim. 1 no 1 139-142 Ja '65

## THIOPHENE

Polarography of bromothiophene; effect of the organic solvent concentration on the half-wave potentials, S. G. Mal'ranovskii, N. V. Barashkova, IU. B. Vol'ken'shtein, Elektrokhimiya 1 no. 1:72-77 Ja '65.

Spectroscopic study of the tautomerism of 4-carbomethoxy-3-ketothiophene, 2-carbomethoxy-3-ketothiophene, and 4-methyl-2-carbomethoxy-3-ketothiophene, B. A. Arbuzov, O. A. Erastov, A. B. Remizov Dokl. AN SSSR 162 no. 1:82-85 My '65.

Synthesis and some transformations of methoxymethylthiophenes, IA. L. Goldfarb, B. P. Tabrichnyi, V. I. Rogovir, Izv. AN SSSR, Ser. khim. no. 3:519-520 '65.

Synthesis and reactions of tert-butylthiethyl sulfides, Part 7 B. P. Fedorov, F. M. Stolanovich, Zhur. org. khim. 1 no. 1:194-200 Ja '65.

## THIXOTROPY

Effect of thixotropic gel of isodopolyvinyl alcohol on experimental atherosclerosis L. G. Bogomolova and others Pat. fiziol i eksp. terap 9 no 2:8-12 Mr-Apr '65.

## THORACIC ARTERY—LIGATION

Surgical treatment of heart injuries and Fieschi's operation, V. S. Mesh'skii, E. L. Bronshtein, Vest. khim. 94 no. 2:20-22 F '65.

Treatment of myocardial infarction by ligation of the internal thoracic artery associated with block of the prearticular nerve plexus, V. I. Kolesov, R. V. Pavlova, Vest. khim. 94 no. 2:13-16 F '65.

## THORIUM

Angular distribution of fragments in the photofission of <sup>232</sup>Th and <sup>232</sup>Th by gamma rays from the reaction <sup>18</sup>O(p, γ)<sup>18</sup>F, A. S. Soldatov and others, IAD, fiz. 1 no. 3:471-475 Mr '65.

Distribution of the masses and kinetic energies of fragments in the fission of <sup>232</sup>Th by 12 Mev. deuterons, IU. A. Nemilov and others, IAD, fiz. 1 no. 4:633-638 Ap '65.

Energy characteristics of fragments resulting in the fission of <sup>232</sup>Th and <sup>232</sup>Th nuclei by charged particles, B. A. Bocharov and others, IAD, fiz. 1 no. 3:461-470 Mr '65.

## THOUGHT AND THINKING

Development of logical thinking of students during the study of chemistry E N Fedotova, Izv. APN no 134; 87-90 '64

Kolshanskii, G. V., [Logic and the structure of language] Logika i struktura inzyka, Moskva, Vysshaya shkola, 1965 239 p (Biblioteka filologa)

Ladygina-Kols, N. N., [Prerequisites of human thinking, imitative construction by apes and children] Predposylki chelovecheskogo myshleniya, podrazhatel'nou kunsstruirovaniye obez'ianoi i det'mi, Moskva, Nauka, 1965, 108 p.

## THRESHING MACHINES

Tenatometric method for measuring the speed of the movement of the grain mass in the clearance of a threshing machine, IU. I. Gorbalev, Vest. sel'khoz. nauki [Kazakh] 8 no. 4:62-65 Ap '65.

## THRIPS

Some characteristics of the fauna of thrips (Thysanoptera) as a component of steppe and wheat field biocoenoses V. I. Tanaskil Trudy Vses ent ob-va 50:67-72 '65.

## THROMBOEMBOLISM

Basic modern methods of the treatment of thrombo-obliterating arterial diseases of the extremities, V. T. Porciand, Vest. khim. 94 no. 2:26-32 F '65.

Use of anticoagulants in the treatment of thrombo-obliterating diseases V. A. Zakharov, Vest. khim. 94 no. 2: 30-38 F '65

## THROMBOSIS

Diagnosis of the occlusion of the carotid artery, V. K. Kamenetskii, Zhur. nevro i psikh. 65 no. 4:502-507 '65.

Postoperative thrombosis and embolism, V. I. Trubachev, Vest. khim. 94 no. 2:36-43 F '65.

Study of the thrombolytic activity of aspergillia in experimental thrombosis, S. M. Stukova, G. V. Andrievko, Arkh. pat. 27 no. 1:23-28 '65.

Successful use of fibrinolytic in thromboembolism of the pulmonary artery IU. L. Zhdanov, T. V. Rozhnova Sov. med 28 no 1 121-124 Ja '65.

Thrombogenesis and treatment of thrombosis and embolism, B. V. Kontaev, Voen.-med. zhur. no. 6: 33-38 '64.

## THYMIDINE

Incorporation of H<sub>3</sub> thymidine by cell nuclei of the embryo of mice in preimplantation and implantation periods of the development, N. A. Samoshkina, Dokl. AN SSSR 161 no. 6:1467-1470 Ap '65

## THYMOL

New method of thymol separation from ajowan oil, I M Tsetlin Maslozhiz. prom. 31 no. 3 42 Mr '65

## THYMUS GLAND

Radiosensitivity and the nature of radiation injury of the thymus cells of a mouse in situ, I. T. Rasm, Dokl. AN SSSR 161 no. 4:950-961 Ap '65.

## THYMUS GLAND—CANCER

Giant-cell malignant thymoma D. S. Sarkisov, P. P. Fil'sova, A. A. Nikishin Arkh. pat. 26 no. 12:26-31 '64

## THYROID GLAND

Activity of the thyroid gland in involutional psychoses, S. M. Plotnikov, Zhur. nevro i psikh. 65 no. 4:601-607 '65.

Effect of bromine on the functional activity of the thyroid gland, V. M. Gordenko, Trudy Khar. med. inst. no. 36:53-62 '57.

Effect of strontium 90 on the functional state of the thyroid gland in dogs, A. A. Usupov, Uzb. biol. zhur. 0 no. 2:6-8 '65.

Function of the thyroid gland in lambs, B. U. Isaev, Izv. AN Kazakh SSR, Ser. biol. nauk 3 no. 2:90-95 Mr-Apr '65.

Functional state of the thyroid gland in sheep tested by the accumulation of radiiodine (I<sup>131</sup>), M. A. Mekhtiev, E. G. Gauzer, F. B. Askerov, Dokl. AN Azerb. SSR 21 no. 2:55-58 '65.

Importance of the state of the thyroid gland in its reaction to the thyrotropic hormone, V. I. Arkhipenko, R. S. Ugriumova, Trudy Khar. med. inst. no. 36:63-67 '57.

Interrelations between the function of the thyroid gland and regenerative processes in the muscles following administration of galascorbine, L. P. Khomyatka, Fiziol. zhur. [Ukr.] 9 no 1:96-101 Ja-F '63.

Reaction of the thyroid gland of a golden hamster (Mesocricetus auratus W.) to a thyrotropic preparation and methylthiouracil, I. I. Ivanova, Dokl. AN SSSR 162 no. 1:239-240 My '65.

Relation between the thyroid gland and the ovaries: a review of literature, S. A. Apetov, Akush. i gyn. 40 no. 5:98-104 S-O '64.

## THYROID GLAND—CANCER

Diagnosis and surgical treatment of cancer of the thyroid gland, L. N. Kamardin, V. M. Timoshnikov, Probl. endok. i gorm. 11 no. 1:25-28 Ja-F '65.

Papillary cancer of the thyroid gland, B. M. Gasetov, Vest. khim. 93 no. 12:97-98 '64.



## TISSUE METABOLISM

Comparative characteristics of the intensity of tissue respiration of the myocardium and liver in white rats of various age periods. L. N. Bogatskaya, N. V. Verzhikovskaya. Vop. gerontol. i geriatr. 4:121-125 '65.

Effect of prolonged administration of methandrostenolone (nerobol) on some indices of the metabolic processes in the liver, the fatty tissue and the blood. N. Kh. Abdulbaev. Probl. endok. i gorm. 11 no. 1:102-108 Ja-F '65.

## TITANIUM

Effect of rhodium on the rate of titanium dissolution in acids. T. D. Shitpa, E. G. Gritsenko. Ukr. khim. zhur. 30 no. 6:649-651 '64.

## TITANIUM—HARDENING

Investigating the effect of the degree of deformation and the annealing temperature on the electrochemical corrosion of titanium and a titanium alloy with a 0.2-percent palladium content. N. D. Tomashov, I. M. Ivanov, Zashch. met. 1 no. 1:36-41 Ja-F '65.

## TITANIUM—METALLURGY

Studying the process of titanium slag oxidation. N. A. Vastutinskii, E. E. Movsesov. Izv. AN SSSR Met. no. 1:82-87 Ja-F '65.

## TITANIUM ALLOYS

Deformation of titanium alloys during rolling. N. E. Krasnikov, N. P. Skriabin. TSvet. met. 38 no. 4:64-65 Ap '65.

## TITANIUM-ALUMINUM ALLOYS

Phase structure of alloys of the binary system Ti-Al containing from 0 to 30% of Al. I. I. Kornilov and others. Dokl. AN SSSR 161 no. 4:813-816 Ap '65.

## TITANIUM-ALUMINUM ALLOYS—METALLOGRAPHY

Investigating phase equilibrium in the system Ti-Al<sub>2</sub>O<sub>3</sub>. I. I. Kornilov, V. V. Glazova. Izv. AN SSSR Met. no. 1:189-194 Ja-F '65.

## TITANIUM CHLORIDES

Solvolysis of titanium tetrachloride in methanol. T. D. Shevchenko, L. A. Kuzina. Ukr. khim. zhur. 31 no. 1:347-352 '65.

Thermal analysis of the systems TiCl<sub>3</sub> - SiCl<sub>4</sub> - POCl<sub>3</sub> and TiCl<sub>4</sub> - VOCl<sub>3</sub> - POCl<sub>3</sub>. A. S. Barabanova, B. A. Antosen. Ukr. khim. zhur. 31 no. 4:352-354 '65.

## TITANIUM COMPOUNDS

Complex formation in the systems titanium (IV) - gallic acid - antipyrine and titanium (IV) - pyrogallolcarboxylic acid - antipyrine. S. I. Shnaiderman, E. N. Kadzeva. Ukr. khim. zhur. 31 no. 1:27-32 '65.

## TITANIUM-COPPER ALLOYS see Copper-titanium alloys

## TITANIUM NITRIDES

Conditions of the preparation of titanium nitride and carbonitride from its dioxide. G. A. Meerson, E. M. Rakitskaya. Izv. AN SSSR, Neorg. mat. 1 no. 1:80-87 Ja '65.

## TITANIUM ORES see subdivision under Dnieper Valley

## TITANIUM ORGANIC COMPOUNDS

Synthesis and properties of branched 8-hydroxy quinolone titanium dimethylsiloxane oligomers. R. A. Andrianov, I. A. Lavynin, I. A. Shvetsov. Zhur. ob. khim. 35 no. 4:689-693 Ap '65.

## TITANIUM OXIDES

Effect of oxygen and water vapor adsorption on work function of an electron from titanium dioxide. A. V. Pamfilov, P. G. Bondar', I. A. Mazurkevich. Ukr. khim. zhur. 31 no. 1:48-53 '65.

TiO absorption bands in spectra of M-stars. V. G. Buslavskii. Vest. LGU 20 no. 7:135-143 '65.

## TITANIUM OXIDES—ELECTRIC PROPERTIES

Effect of chemisorption of oxygen on the work function and conductance of titanium dioxide. E. N. Figurovskaya, V. F. Kiselev, F. F. Volkenshtein. Dokl. AN SSSR 161 no. 5:1142-1145 Ap '65.

## TITANIUM-PALLADIUM ALLOYS—CORROSION

Investigating the mechanism of the protective action of palladium in corrosion-resistant titanium-palladium alloys by the radiochemical method. N. D. Tomashov, M. N. Shulepnikov, I. M. Ivanov. Zashch. met. 1 no. 1:122-123 Ja-F '65.

## TITMICE see subdivision under Barguzin Preserve

## TITRATION

Concerning the articles by E. A. Poffak. "Certain problems of the theory of titration." A. A. Bugaevskii, L. P. Adamovitch. Zhur. anal. khim. 20 no. 3:401-403 '65.

## TOADSTOOLS see Mushrooms

## TOBACCO—DISEASES AND PESTS

Radioactive sulfur effect on some biological properties of the wild fire of tobacco Pseudomonas tabaci (Woidt et Foster) Stevens. G. A. TSilosani. Soob. AN Gruz. SSR 37 no. 3:693-700 Ir '65.

## TOBACCO—GRADING

Comparative evaluation of the quality of makhorka fermented by the post-harvesting and factory method. I. I. D'iachkin, G. G. Formazuk, N. M. Feidelman. Izv. vys. ucheb. zav., pishch. tekhn. no. 1:131-135 '65.

## TOBACCO BLUE MOLD see subdivision under Moldova

## TOBACCO CURING

Comparative evaluation of the quality of makhorka fermented by the post-harvesting and factory method. I. I. D'iachkin, G. G. Formazuk, N. M. Feidelman. Izv. vys. ucheb. zav., pishch. tekhn. no. 1:131-135 '65.

Elements of the formation of the quality of makhorka during after-harvest processing. I. I. D'iachkin. Izv. vys. ucheb. zav., pishch. tekhn. no. 2:12-14 '65.

## TOBACCO MOSAIC VIRUS

Effect of the products of the vital activity of yeast on tobacco mosaic virus. A. D. Bobyr, L. I. Ushakov. Mikrobiol. zhur. 27 no. 2:73-78 '65.

Immunological heterogeneity of commercial tomato varieties and the prospects for detecting and selecting from them the forms resistant to tobacco mosaic virus. T. D. Verderevskaya. Infek. zab. kul't. rast. Mold. no. 1:97-112 '62.

Protective plant forces in the struggle against tobacco mosaic virus. K. N. Dashkeeva. Infek. zab. kul't. rast. Mold. no. 1:67-86 '62.

Reproduction of viral nucleoproteid and the respiration in Lycopersicon esculentum, L. hirsutum, Nicotiana tabacum, and N. glutinosa infected with tobacco mosaic virus. T. D. Verderevskaya, M. I. A. Moldovan. Infek. zab. kul't. rast. Mold. no. 1:113-121 '62.

## TOCOPHEROL

Effect of vitamin E and phenylalanine on the ubiquinone content in the liver of normal and A-avitaminous rats. H. V. Donchenko, R. V. Chahovets'. Ukr. biokhim. zhur. 37 no. 1:82-90 '65.

## TOCOPHEROL—THERAPEUTIC USE

Preventive action of vitamin E in dystrophies caused by experimental chronic hypoxia. A. M. Alekseeva, A. V. Tkachenko. Pat. fiziol. i ekap. terap. 9 no. 2:30-12 Mr.-Ap '65.

## TOES—ABNORMALITIES AND DEFORMITIES

Polydactylia and syndactylia. P. V. Zabolotnikov. Akh. pat. 27 no. 4:34-40 '65.

## TOLERANCE (ENGINEERING)

Tolerances for the external diameter of pressure pipes made of high-density polyethylene. G. I. Shepilo, S. I. Geisaa. Standartizatsia 29 no. 3:12-16 Mr '65.

## TOLSTOI, LEV NIKOLAEVICH, 1828-1910

Lenin on Tolstoy. L. F. Denisova. Vop. filol. 19 no. 4:18-28 '65.

Lev Tolstoy as appraised by Lenin's "Iskra." I. V. Mal'tsev. Rad. lit. 9 no. 4:20-23 Ap '65.

## TOLUENE

Alylation of toluene with diisobutylene. S. D. Mekhtiev, M. M. Lushin. Izv. vys. ucheb. zav., nef't. i gaz. 8 no. 3:61-64 '65.

## TOLUIC ACID

Conversions of toluic acids in the presence of aluminum chloride. V. A. Kopting, A. M. Komogorov. Zhur. org. khim. 1 no. 1:117-118 Ja '65.

## TOLUIDINE

Solubility of n-toluidine in aqueous solutions of electrolytes and nonelectrolytes. V. Sergeeva, G. Shabikova. Zhur. ob. khim. 35 no. 4:590-602 Ap '65.

Use of p-toluidine and p-anisidine as indicators in cerimetry. A. Kh. Batalin, S. M. I. olinskova. Trudy Oren. sel'khoz. inst. 14:170-182 '63.

## TOLYL SULFONE

Tolyl ethers of 2,4-dimethyl-5-hydroxy-3-methyl-2-pentene and their derivatives. T. I. Orlova, A. N. Ankeeva, S. N. Danilov. Zhur. ob. khim. 35 no. 4:640-651 Ap '65.

## TOMATO BREEDING

Some phenomena in the biology of the fertilization of tomatoes and their significance for genetic studies on this subject. I. I. A. Kerkis. Blud. MOIP. Old biol. 70 no. 2:126-131 Mr.-Ap '65.

## TOMATO JUICE—MICROBIOLOGY

Causes of the formation of deposits in tomato juice and ways of its prevention. V. I. A. Aisenberg, M. D. Tishchenko, M. F. Babadzhanian. Kons. i ov. prom. 20 no. 4:26-30 Ap '65.

## TOMATOES

(see also subdivision under Georgia)

Brezhnev, D. D. [Tomatoes] Tomaty, Izd. 2., dop. i perer. Leningrad, Kolos, 1964, 318 p. (DNAL)

## TOMATOES—DISEASE AND PEST RESISTANCE

Immunological heterogeneity of commercial tomato varieties and the prospects for detecting and selecting from them the forms resistant to tobacco mosaic virus. T. D. Verderevskaya. Infek. zab. kul't. rast. Mold. no. 1:97-112 '62.

## TOMATOES—PRICES

Receiving and evaluating raw tomatoes according to the content of dry matter. A. N. Nizharadze, V. N. Kevanishvili, A. N. Chetshvili. Kons. i ov. prom. 20 no. 4:33-35 Ap '65.

## TOMATOES—VARIETIES see subdivision under Armenia

## TOMSK—CHILDREN—NUTRITION

Zinc and iron content in the food served in Tomsk children's institutions. A. I. Vorob'eva, N. A. Bol'shakina. Vop. pit. 23 no. 5:70-79 S-O '64.

## TONKOV, VLADIMIR NIKOLAEVICH, 1872-1954

Ginzburg, V. V., and L. V. Mikhailova. [Path of a Soviet anatomist, on the tenth anniversary of V. N. Tonkov's death] Put' sovetskogo anatoma; k desyati-letiyu so dnya smerti V. N. Tonkova. [Leningrad] Meditsina, 1955, 163 p.

## TONOMETRY

Portohepatography and portotonometry through the umbilical vein in children. S. I. A. Doletskii and others. Vest. Khir. 81 no. 2:89-93 F '65.

## TONSILS—SURGERY

Electromechanical activity of the heart following tonsillectomy. Z. M. Garibian. Izv. AN Arm. SSR, Biol. nauk 18 no. 2:87-91 F '65.

## TOOL STEEL

Improve the quality of drill steel. K. I. Ivanov, B. G. Solianikov, G. G. Manziuk. Gor. zhu. no. 4:44-47 Ap '65.

Using tool steels in manufacturing machine-tool parts. A. P. Skuzovatova. Stan. i mat. 36 no. 5:29-30 My '65.

## TOOL STEEL—HEAT TREATMENT

Calculating the economic efficiency of the technology of the heat treatment of metal-cutting tools. K. M. Volkov, N. T. Fimolova. Trudy LPI no. 2:40-53 '65.

Factors affecting the resistance of the end-rolling rollers. I. L. Kheifets. Kuz.-stann. prodv. 7 no. 1:13-16 Ja '65.

## TOOL STEEL—TESTING

Effect of titanium and niobium on the properties of high-speed steel. I. U. A. Geller, V. F. Molodtsov. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:152-156 '65.

Heat-erosion resistance of steels for forging dies. D. M. Kornev. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:162-167 '65.

## TOOLS—RELIABILITY

Prediction of machine and tool elements reliability based on the change in efficiency rating under different operating conditions. V. N. Tsvetov, I. V. Skokov, V. M. Shostakov. Dokl. AN SSSR 9 no. 2:115-117 F '65.

## TOPCHIKHA REGION—GRAIN—DRYING

Time relay for the drive of the gate of shaft grain dryers. V. N. Ovarkin. Muk. elev. prom. 31 no. 5:26-27 My '65.

## TOPOLOGY

Abstract spaces of sequences. I. U. I. Gribanov. Izv. vys. ucheb. zav., mat. no. 2:59-68 '65.

A class of spaces containing all metric and all locally bi-compact spaces. A. V. Aikhang'skii. Mat. sbor. 67 no. 1:55-88 My '65.

An example of a set of characteristic zero. P. Ments. Vest. LGU 20 no. 7:159-163 '65.

Hausdorff measures and capacities. Estimates of potentials. N. S. Landkof. Usp. mat. nauk 20 no. 2:180-195 Mr.-Ap '65.

Invariant subspaces of certain perfectly continuous operators. N. K. Nikol'skii. Vest. LGU 20 no. 7:68-77 '65.

Study of high-order nonlinear automatic systems by accurate analytic methods. R. A. Nelepin. Dokl. AN SSSR 161 no. 4:771-773 Ap '65.

Theory of topological groups. V. P. Platonov. Dokl. AN SSSR 162 no. 4:755-758 Je '65.

Theory of topological rings. V. I. Arnaudov. Sb. mat. zhur. 0 no. 2:210-261 Mr.-Ap '65.

Topological structure of complete surfaces of nonpositive curvature with a one-to-one spherical mapping. A. L. Vernor. Vest. LGU 20 no. 7:10-20 '65.

Topological structure of the domains of stability of a self-adjoint system of differential equations with periodic coefficients. V. B. Lidskii, P. A. Frolov. Dokl. AN SSSR 161 no. 4:764-766 Ap '65.

## TORPEDOES

Torpedomen. O. Baronov. Voén. zhur. 41 no. 3:12-13 Mr '65.

## TORSION

Effect of high-frequency vibrations on the process of austenitization of some metals and alloys. E. G. Kononov, I. G. Dovgiallo, E. I. Remizovskii. Dokl. AN SSSR 9 no. 2:91-93 F '65.

## TORZHOK (KALININ PROVINCE)—PRINTING INK

Torzhok printing ink plant goes into operation. B. I. Berezin. Poligrafia no. 5:40-43 My '65.

## TOSAKA, JUN, 1900-1945

Tosaka, Jun, a philosopher and politician from the history of the ideological struggle in Japan. K. A. Gamazhov. Izv. Akad. Nauk SSSR, no. 71:25-40 '64

## TOURMALINE

(see also subdivision under Alkaline minerals)  
Density of tourmalines from the schistose-diatomite series. M. M. Shveto. Min. sbor. 18 no. 1:76-81 '64.

## TOVERS, PLATE see Plate towers

## TOXEMIA

Biochemical and histochemical research on placental proteins in late pregnancy toxemias. D. M. Uchev, V. I. Uchev, V. K. Balanchuk. Akush. i gin. 10 no. 5:57-61 5-O '64.  
Changes in kidney function in late pregnancy toxemias. I. V. Kolomoichuk. Akush. i gin. 10 no. 5:69-72 5-O '64.  
Characteristics of the course of late toxemias in pregnant women with hypertension. I. I. Benediktov, A. M. Shevchenko. Akush. i gin. 10 no. 5:61-65 5-O '64

## TOXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. no. 10 My '65. Avtorizatsiya ukazatel' za 1964 g.

## TOXINS AND ANTITOXINS

Comparative toxic properties of the viruses of European chicken plague and Newcastle disease. G. A. Safonov and others. Vop. vet. virus. 1:350-358 '64.  
Dynamics of the changes in the oxidation-reduction potential (E<sub>h</sub>) and morphology of Clostridium perfringens culture in the process of toxin formation on semisynthetic nutrient medium. V. S. Samsonova and others. Zhur. mikrobiol., epid. i immun. 42 no. 4:137-141 Ap '65.  
Immunochemical study of tetanus culture filtrates in the process of detoxication. A. I. Iliutovich and others. Zhur. mikrobiol., epid. i immun. 42 no. 4:73-78 Ap '65.

Study of the cytotoxic effect of staphylococcus toxin on tissue culture. Report No. 1. Selection of a tissue culture most sensitive to the effect of staphylococcus toxin. E. I. Beliaev. Zhur. mikrobiol., epid. i immun. 41 no. 10:32-37 '64.

## TOXOPLASMOSIS

(see also subdivision under Azerbaijan; Soneto, Voronezh Province; Voronezh Province)  
Case of isolation of Toxoplasma from menstrual blood. E. P. Kovaleva, V. D. Kopp. Trudy TSU 68:177-179 '64.  
Materials on the study of the epidemiology of toxoplasmosis. I. V. Chernovskaya. Trudy TSU 68:70-72 '64.  
Method of the complement fixation reaction for toxoplasmosis. E. P. Kovaleva. Trudy TSU 68:101-104 '64.  
Morphology of spontaneous toxoplasmosis of mink. B. K. Besprozvannyi and others. Arkh. pat. 27 no. 2:72-78 '65.  
Pathological anatomy of congenital toxoplasmosis. O. S. Kalina. Arkh. pat. 27 no. 5:48-52 '65.  
Prozone phenomenon in carrying out the complement fixation reaction for toxoplasmosis. E. P. Kovaleva. Trudy TSU 68:98-100 '64.  
Reaction of indirect hemagglutination in the diagnosis of toxoplasmosis. N. A. Bakulina. Trudy TSU 68:180-183 '64.  
Results of an examination of wild birds for toxoplasmosis. B. G. Magerrimov, A. S. Alekperov. Trudy TSU 68:62-63 '64.  
Role of domestic and synanthropic animals in the epidemiology of toxoplasmosis. A. E. Grigorashchenko, M. N. Melnik. Trudy TSU 68:60-61 '64.  
Study of the generative function and structural changes in rabbit ovaries in experimental toxoplasmosis. Z. A. Biblitsheva. Akush. i gin. 40 no. 5:122-125 5-O '64.

## TOY INDUSTRY

Please buy it! L. Gavrilova. Doshk. vosp. 38 no. 1:63-61 Ja '65.

## TRACE ELEMENTS

(see also subdivision under Kurama Range; Ukraine)  
Accessory minerals in the ancient granulites of platforms. V. V. Likhovich, A. D. Chervinskaya. Min. sbor. 18 no. 2:145-155 '64.  
Characteristics of the dynamics of manganese, cobalt, copper, zinc, and molybdenum in the system soil-plant. D. D. Zyrin. Agrokhimia no. 2:87-97 F '65.  
Kalyaynov, M. V. [Trace elements and trace element fertilizers] Mikroelementy i mikroelementy. Moskva, Khimfin, 1965. 330 p.

(DONAL)  
Levanikov, L. A., and S. T. Davydov. [Manganese as a trace element in its relation to the biochemistry and properties of animals] Manganese kak mikroelement v svyazi s biokhimiye i svoystvami zhivotnykh. [Chelabinsk] Chelabinskoe knizhnoe izd-vo, 1961. 185 p.

[MICROFILM]  
Practice in the use of industrial wastes as trace element fertilizers in Chestnut soils of the irrigated zone in Alma-Ata Province. V. I. Krokmal, M. D. Larionov, A. D. Khvatov. Vest. sel'khoz. nauk [Kazakh.] 8 no. 4:20-23 Ap '65.

Requirement of some microelements by purple and green sulfur bacteria. E. N. Kondrat'eva, L. I. Tarasenko, A. S. Sumarukova. Nauch. dokl. vuz. zhurn., biol. nauki no. 2:176-180 '65.

Trace element content of feeds in Alma-Ata Province. M. A. Baitulin, A. P. Koftanov, L. I. Popova. Vest. sel'khoz. nauk [Kazakh.] 8 no. 4:91-94 Ap '65.

## TRACE ELEMENTS—EFFECT ON PLANTS see Plants, Effect of trace elements on

## TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Trace elements in the biosphere and their use in agriculture and medicine of Siberia and the Far East. N. E. Abashereva. Agrokhimia no. 1:130-132 Ap '65.

## TRACE ELEMENTS IN THE BODY

Determination of the sodium, potassium and calcium content in tissues by the flame photometry method. O. B. Sopotsyn'ska, E. P. Shuba. Ukr. biokhim. zhur. 37 no. 1:151-155 '65.  
Effect of inhaling of various gas mixtures on the content of ammonia, glutamine, glutamic acid and adenosinetriphosphatase in the animal brain. L. H. Prohorov. Ukr. biokhim. zhur. 37 no. 1:51-55 '65.

## TRACTOR INDUSTRY see subdivision under Orenburg

## TRACTOR INDUSTRY—ACCOUNTING see subdivision under Lipetsk; Minsk

## TRACTOR INDUSTRY—LABOR PRODUCTIVITY see subdivision under Kharkov

## TRACTOR TRAINS

Suspension of tractor trailers. N. L. Livshits, A. S. Nosko. Trakt. i sel'khoz. mash. no. 3:10 M '65.

## TRACTOR TRAINS—STANDARDS

Evaluation and standardization of traction and speed properties of motor vehicles and automobile trains. A. I. Skerzhnev, L. A. Matysynovskii, I. P. Sorochan. Standartizatsiya 29 no. 3:18-22 M '65.

## TRACTORS

Design and basic indices of the TDT-55 timber skidding tractor. V. N. Tokovoi. Trakt. i sel'khoz. mash. no. 3:1-3 Mr '65.  
Design characteristics and basic indices of the new TT-4 timber skidding tractor. M. E. Minchenko. Trakt. i sel'khoz. mash. no. 4:1-3 Ap '65.  
Economic effectiveness of the use of tractors in the transportation of farm loads. V. A. Gostev, L. A. Bragimov. Trakt. i sel'khoz. mash. no. 4:33-34 Ap '65.  
The "Farmoli"-560 tractor. M. K. Kopylov. Trakt. i sel'khoz. mash. no. 4:47-48 Ap '65.

## TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no. 5 My '65.

## TRACTORS—DESIGN AND CONSTRUCTION

Increasing the roadability and adhesion characteristics of wheeled tractors. F. G. Ulianov. Trudy Oren. sel'khoz. inst. 14:99-114 '63.

## TRACTORS—DYNAMICS

Determining the maximal turning angle of the guide wheels of a tractor. V. E. Kuz'michev. Trudy Oren. sel'khoz. inst. 14:60-64 '63.  
Results of studying the dynamics of the DT-24 and T-28 tractors with various types of running elements. V. N. Cherevan'. Trudy Oren. sel'khoz. inst. 14:129-141 '63.  
Studying the dynamics of a semitrailer road on a wheeled tractor of medium capacity. V. N. Cherevan'. Trudy Oren. sel'khoz. inst. 14:142-153 '63.

## TRACTORS—ELECTRIC EQUIPMENT

Determining the loading degree of an engine by means of an electric-light signaling mechanism. V. I. Bol'skikh, N. V. Bagdasarov. Trakt. i sel'khoz. mash. no. 3:11-13 Mr '65.

## TRACTORS—ENGINES

Brakeless running-in of engines. D. Minesan. Tekh. v sel'khoz. 25 no. 4:71-72 Ap '65.  
Determining the technical state of tractor engines by means of compressed air. I. P. Khrislanovskii, K. M. Naumov. Trudy Oren. sel'khoz. inst. 14:124-128 '63.  
Mamedov, A. M. [Troubles with motor-vehicle and tractor engines]. Nepspravnosti avtotraktornykh dvigatelei. Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniya, 1964. 20 p.

## [MICROFILM]

Temperature conditions of a cylinder with uneven ribbing. N. I. Malkov. Trakt. i sel'khoz. mash. no. 4:11-13 Ap '65.

## TRACTORS—EQUIPMENT AND SUPPLIES

Introducing multiple-purpose pushing frames. N. D. Egorov, G. S. Parashchenko. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:46-47 Mr '65.

## TRACTORS—FUEL SYSTEMS

Method for measuring the temperature of the surface of an injector atomizer. K. V. Lushchinskii. Trakt. i sel'khoz. mash. no. 3:6-7 Mr '65.

Studying the effect of the physical characteristics of fuel on the basic parameters of the process of atomizing. M. N. Kukharev. Trakt. i sel'khoz. mash. no. 4:13-15 Ap '65.

## TRACTORS—HYDRAULIC EQUIPMENT

Construction, testing, and adjusting the RT5-V3 distributor. E. Benditskii. Tekh. v sel'khoz. 25 no. 4:77-78 Ap '65.  
Restoring the casing of a hydraulic pump using epoxy resins. V. F. Vin. A. Podobnina. Tekh. v sel'khoz. 25 no. 4:72-73 Ap '65.

## TRACTORS—LUBRICATION

Repairing high-pressure oil pipes. V. Boldov. Tekh. v sel'khoz. 25 no. 1:69 Ap '65.

## TRACTORS—MAINTENANCE AND REPAIR

Plings of T-40 tractors in repair. Tekhnicheskie uslovia i ukazaniya po defektovke detalей i soperazhenii pri remonte traktorov T-40. Moskva, Buro tekhn. informatsii GOSNITI, 1964. 169 p. (Tipovaya tekhnologiya remonta traktorov)

Repairing steering cranks of the "Belarus" tractor. M. Semashko. Tekh. v sel'khoz. 25 no. 4:83-84 Ap '65.  
Rybakov, D. M., and V. A. Stepanov. [Reconditioning tractor frames]. Vostanovlenie ram traktorov. Moskva, Kolos, 1964. 110 p. (Biblioteka rabochego remonta)

Reconditioning tractor frames. Vostanovlenie ram traktorov. Moskva, Kolos, 1964. 110 p. (Biblioteka rabochego remonta)

## TRACTORS—TRANSMISSION DEVICES

Maximal dynamic loads in the transmission of a wheeled tractor. I. B. Barskii, I. K. Kolodii, I. I. Zhurav. [Yu Jung-hua]. Trakt. i sel'khoz. mash. no. 4:8-9 Ap '65.

New 25kN/Tt case-hardened steel for the pistons of tractor transmissions. T. N. Nazarov and others. Trakt. i sel'khoz. mash. no. 4:42-43 Ap '65.

Selecting some parameters for the gearbox of a tractor. Hydromechanical transmission. Nikola N. Velez. Trakt. i sel'khoz. mash. no. 3:3-6 Mr '65.

## TRACTORS—VIBRATION

Reducing low-frequency vibrations affecting a tractor operator. V. N. Koshman. Trakt. i sel'khoz. mash. no. 4:3-6 Ap '65.

## TRADE SECRETS see subdivision under United States

## TRADE UNIONS

(see also subdivision under Australia; Czechoslovakia; France; Iran; Japan; Kharkov; Lugansk Province; Rustavi, Georgia; Soviet Far East)

Away from the issue at hand. V. Varfolomeev. Sov. shakht. 11 no. 4:35 Ap '65.

The factory and plant local committee decides the compensation for damages dispute. S. Tselin. Sov. profsoyuz. 21 no. 11:43-44 Ja '65.

Higher trade-union schools. Sov. profsoyuz. 21 no. 11:46-47 Ja '65.

In the reception room of the Mining Committee. I. Kabanov. Sov. shakht. 14 no. 4:34-35 Ap '65.

It is a matter of trade unions' honor. Sov. profsoyuz. 21 no. 10:1 My '65.

Ponderings of a chairman. I. Bobrov. Sov. profsoyuz. 21 no. 11:9-9 Ja '65.

Regulation on the rights of the factory and plant local committee, comments on article No. 8. Sov. profsoyuz. 21 no. 11:45-46 Ja '65.

The solution of the problems of bank employees calls for joint action. D. Krause. Vsem prof. dvizh. no. 3:34-36 My '65.

[Trade-union mass-cultural work; a collection of guiding materials] Kulturno-massovaya rabota profsoyuzov; sbornik rukovodivshchikh materialov. [Moskva] Profizdat, 1965. 101 p.

Trade-union mass-cultural work; a collection of guiding materials. Kulturno-massovaya rabota profsoyuzov; sbornik rukovodivshchikh materialov. [Moskva] Profizdat, 1965. 101 p.

## TRADE UNIONS—CONGRESSES

Instructive demonstration of international unity. Pierre Genoux. Vsem prof. dvizh. no. 3:24-27 My '65.

Joint statement by the Federation of Miners in India and the Central Committee of the Trade Union of workers in the coal industry of the U.S.S.R. A. Semenov, K. Roi. Sov. shakht. 14 no. 4:40 Ap '65.

We heard Lenin. I. A. Kuvshinov. Sov. profsoyuz. 21 no. 10:11-15 My '65.

## TRADE UNIONS—HANDBOOKS, MANUALS, ETC.

[Reference book on the trade unions of the U.S.S.R.] Spravochnik kniga o professional'nykh soluzhakh SSSR. [Moskva] Profizdat, 1965. 443 p.

## TRADE UNIONS—OFFICERS

(see also subdivision under Bryansk; United States)

The force of inertia at work. V. Mikhailov. Sov. profsoyuz. 21 no. 10:4-6 My '65.

Learn from it! L. B. Shokin. Sov. profsoyuz. 21 no. 10:8-11 My '65.

We continue the discussion: what is my ideal of the trade-union leader? Sov. profsoyuz. 21 no. 10:12-13 My '65.



## TRANSISTORS (Continued)

- Current control of a four-layer structure using a field in the base region. A. A. Iutskevich, V. I. Stafeyev. Radiotekhnika i elektronika 10 no. 4:700-702 Ap '65.
- Field (channel) transistors. V. Moizov, M. Sonin. Radio no. 5:53-54 My '65.
- Operational characteristics of transistor devices. N. Gorunov, I. U. Ovechkin, A. Savchenko. Radio no. 5: 55-56 My '65.
- Reference sheet. Radio no. 1:57-59 Ap '65.
- Special features of the use of transistor devices. N. Gorunov, I. U. Ovechkin, A. Savchenko. Radio no. 1: 44-46 Ap '65.

## TRANSISTORS—NOISE

- Errors in measuring the noise coefficient of transistors at low frequencies. I. S. Karpov, I. A. Poljakov. Izv. vuz. ucheb. prib. 8 no. 2:7-10 '65.

## TRANSIT INSTRUMENTS

- Source of the systematic error occurring in determining the axial inclination of a transit instrument. D. V. Zagrebina. Uch. zap. LGU no. 326:163-173 '64.

## TRANSITION METAL COMPOUNDS

- Preparation of chelate complexes of manganese and cobalt chlorides. S. A. Avakian, R. S. Agabekian, A. V. Musheghjan. Dokl. AN Arm. SSR 40 no. 2:107-108 '65.

## TRANSITION METALS

- Electronic structure and certain properties of transition metals and alloys of the 1st, 2d, and 3d long periods. Part 1. S. A. Nemmonov. Fiz. met. i metalloved. 19 no. 4:550-568 Ap '65.
- Investigating the mechanism of deformation and brittle failure of transition metal alloys on a base of the group VIA metals. I. V. Mil'man, A. P. Rachev, V. I. Trefilov. Sbornik nauch. trud. Inst. metallofiz. AN URSR no. 20:3-24 '64.
- Promoting the skeletal nickel catalyst by oxygen-containing anions of transition metals. A. B. Fasman and others. Dokl. AN SSSR 162 no. 3:600-602 My '65.

## TRANSITION METALS—OPTICAL PROPERTIES

- Quantum light absorption by certain transition metals. M. M. Khilova, B. A. Chavskov. Fiz. met. i metalloved. 19 no. 4:595-500 Ap '65.

## TRANSONIC AERODYNAMICS see Aerodynamics, Transonic

## TRANSPORT OF SICK AND WOUNDED

- Once more on the extent of medical aid at medical service battalions and special motorized detachments. M. F. Voitenko. Voenn.-med. zhur. no. 11:11-16 '64.

## TRANSPORT WORKERS

- Our replies to questions. Sov. iust. 28 no. 7:31 Ap '65.

## TRANSPORTATION see subdivision under Antarctic regions; Europe, Eastern; Ossetia, South

## TRANSPORTATION—ABSTRACTS

- [Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzakmodis. raz. vid. transp., i kont. perev. no. 5 My '65. Predmetnyi ukazatel' za 1964 g.
- [Industrial transportation] Ref. zhur.: Prom. transp. no. 5 My '65.

## TRANSPORTATION—EMPLOYEES

- Organization of labor in transportation. V. Peisrutov. Sots. trud. 10 no. 2:72-75 '65.

## TRANSPORTATION—MATHEMATICAL MODELS

- Finite method of solving nonlinear transportation-type problems. S. S. Lebedev. Ekon. i mat. metod. 1 no. 1:71-82 Ja-F '65.
- Solving the distributive problem by the method of consecutive reduction of errors of closure. E. B. Trus, Ekon. i mat. metod. 1 no. 1:108-122 Ja-F '65.
- Use of the specific terms of a problem in the simplex method. K. V. Kim. Ekon. i mat. metod. 1 no. 1: 86-93 Ja-F '65.

## TRANSPORTATION, AUTOMOTIVE

- (see also subdivision under Armenia; Dneprodzherzhinsk; Sochi)

- Information. Avt. transp. 43 no. 4:53-57 Ap '65.
- Leninism is the banner of our victories. S. Shuplinkov. Avt. transp. 43 no. 4:1-2 Ap '65.
- Make every effort to carry out the quotas of the seven-year plan ahead of schedule. Avt. transp. 43 no. 4: 2-4 Ap '65.

- Motor vehicle and the road form a unified complex. I. Bratchenko. Avt. transp. 43 no. 4:12-15 Ap '65.

## TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

- [Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 6 Je '65.

## TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

- Graphic determination of the number of journeys. Kh. Rumvol't. Avt. transp. 43 no. 4:17-18 Ap '65.

## TRANSPORTATION, AUTOMOTIVE—AUDITING AND INSPECTION see subdivision under Pinsk

## TRANSPORTATION, AUTOMOTIVE—COST

- Objective evaluation of the carrying out of tasks by the cost of transportation. Kh. Kvitko. Avt. transp. 43 no. 4:38 Ap '65.

## TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION see subdivision under Uzbekistan

## TRANSPORTATION, AUTOMOTIVE—FREIGHT

- (see also subdivision under Lower Volga Economic region)

- Savashkevich, V. N. [Shifting freight haulage from railroad to automotive transportation, practice of two transportation junctions] Per ekkluchenie peizozok guzov s zhelezodorozhnogo transporta na avtomobil'ny; opyt dvukh transportnykh uzlov. Moskva, Transport, 1964. 44 p.

## TRANSPORTATION, AUTOMOTIVE—LABOR PRODUCTIVITY

- Accounting for the expenditure of labor in automotive transportation operation. M. Smirnov. Sots. trud. 10 no. 2:124-125 '65.

## TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

- (see also subdivision under Tiflis)

- Consolidation of automotive transportation units and the centralization of servicing and repairing. S. Chernyshev. Avt. transp. 43 no. 4:31-35 Ap '65.
- Optimal dimensions and the outlook for the development of automotive transportation enterprises. G. Lutskev, B. Levinson. Avt. transp. 43 no. 4:34-35 Ap '65.
- Voluntary principles should be used in the economics of industrial production. V. Kashmanov. Avt. transp. 43 no. 4:7-9 Ap '65.

## TRANSPORTATION, AUTOMOTIVE—SAFETY MEASURES

- Krulyev, G. I. [Traffic safety and safety measures in automotive transportation] Bezopasnost' dvizheniya i tekhnika bezopasnosti na avtomobil'nom transporte. Moskva, Transport, 1965. 166 p.

## TRANSPORTATION, AUTOMOTIVE—STUDY AND TEACHING

- Training specialists. Avt. transp. 43 no. 4:47-48 Ap '65.

## TRANSPORTER BRIDGES—MAINTENANCE AND REPAIR

- Operating conditions for a waste-disposal conveying unit at the "Semenov-Golovkovskiy" strip mine and utilization of calendar scheduling. A. N. Turenko, A. Kh. Kuz'menko, I. U. N. Dunayevskiy. Ugol' Uki 9 no. 5: 30-31 My '65.

## TRANSYLVANIA—PALEOBOTANY, STRATIGRAPHIC

- Upper Cretaceous plants of Transylvania (Rumania). T. N. Baikovskaya. Bot. zhur. 50 no. 3:371-374 '65.

## TRAUMATISM

- (see also subdivision under Bashkiria; Ryazan)
- Causes of traumatism during the use of mining systems with mass casing of ore and ways of eliminating them. D. I. Pabishenko. Bezop. truda v prom. 9 no. 5:19-21 My '65.
- Combating traumatism during the underground mining of coal. S. P. Zhuravlev, E. G. Varsetskii. Bezop. truda v prom. 9 no. 4:29-32 Ap '65.
- Traumatic shock: results of a discussion. M. I. Shraiber. Voenn.-med. zhur. no. 7:7-12 '64.

## TRAVEL AGENTS see subdivision under Leningrad

## TRAVEL COSTS

- Field allowances. V. Korotkov. Sov. profsoyuzy 21 no. 10:43-46 My '65.

## TRAVELING-WAVE TUBES

- Calculation of optimum distribution of the electron gain of low-noise traveling-wave tube. F. L. Snaklov. Izv. vuz. ucheb. zav., radiotekh. 8 no. 1:27-34 Ja-F '65.
- Possibility of obtaining a negative depression coefficient in a traveling-wave tube. L. N. Loshakov, B. B. Oldoroggo, I. U. N. Pchel'mikov. Radiotekhnika i elektronika 10 no. 4:601-608 Ap '65.

## TRAVERSES (SURVEYING)

- Evaluating the accuracy of linear measurements in the adjustment of traverses. V. I. Akulov. Izv. vuz. ucheb. zav., geod. i aerof. no. 5:12-16 '64.
- More about the distribution of errors in traverse nets. B. A. Litvinov. Izv. vuz. ucheb. zav.; geod. i aerof. no. 5:119-121 '64.

## TRAWLS AND TRAWLING

- Determination of the form of the net part of a trawl by photogrammetry. G. E. Hidenko. Ryb. khoz. 41 no. 4:44-46 '65.
- First result of two-boat trawling. G. G. Krylov. Ryb. khoz. 41 no. 3:38-40 '65.
- [Fisheries] Promyslovoe delo, [Murmansk] Murmanskoe knizhnoe izd-vo, 1964. 463 p.
- Length of trawl lines. V. P. Kondrat'ev. Ryb. khoz. 41 no. 3:44-47 '65.

- Polystyrene floats for trawl fishing. B. P. Zimin. Ryb. khoz. 41 no. 4:46 '65.

- Some problems in the experimental study of the catching ability of trawls. V. P. Kondrat'ev. Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:165-174 '62.

- Trawling at great depths. A. I. Makiakov. Ryb. khoz. 41 no. 3:33-35 '65.

## TRAWLS AND TRAWLING—ELECTRIC EQUIPMENT

- Combined electric cable and rope for the towing of electrified fishery trawls. A. A. Nekhtman. Khar. prom. no. 2: 18-19 Ap-Je '65.

## TRAWLS AND TRAWLING—HYDRODYNAMICS

- Use of the circulation-breaking theory of a rectangular wing of small length for determining the hydrodynamic characteristics of a trawl door. A. L. Fonarev. Trudy Kal. tekhn. inst. ryb. prom. i khoz. no. 14:104-110 '62.

## TREE PLANTING

- Prokop'ev, M. N. [Forest plantations on concentrated cuttings] Lesnye kul'tury na kontsentriruyemykh vyrob-kakh. Moskva, Lesnaya promyshlennost', 1964. 144 p. (DNL)

- Use of irrigation in the growing of protective tree belts. A. I. Provolovich. Put' i put. khoz. 9 no. 4:36-37 '65.

## TREES

- (see also subdivision under Minsk region)

- Growth and development of physiological active roots in woody plant seedlings during vegetation period. U. U. Vanchkov. Vestnik AN BSSR, Ser. biol. nauch. no. 1:38-44 '65.

- Ivchenko, S. I. [Riddles of cinchona; stories about trees] Zagadki tsinkhony; rasskazy o derevykh. [Moskva] Molodai gvardiya, 1965. 200 p.

## TREES—DISEASES AND PESTS see subdivision under Voronezh Province

## TREES—IRRIGATION

- Growth of tree species under irrigation. V. V. Lobedev. Sbornik nauch. i inzh. rab. VNIAMI no. 28:56-59 '66.

## TREES—PHYSIOLOGY

- Exudation and absorption of P<sup>32</sup> by pine and birch roots under foliar feeding in pure and mixed stands. A. I. Mashinskii. Agrokhimia no. 3:91-96 Mr '65.

## TREMOR

- Mechanism of the origination of tremor in parkinsonism. V. S. Gurfinke! and others. Zhur. nevro. i psikh. 65 no. 5:645-651 '65.

## TRENCHING MACHINERY

- Automatic digging of trenches and drains with a given inclination. V. A. Moskalenko. Stroitel. dor. mash. 10 no. 3:8-9 Mr '65.
- Conference on the mechanization of mellation and road-maintenance work. M. D. Bernshtein. Stroitel. dor. mash. 10 no. 3:31-32 Mr '65.
- Dynamics of a tractor-drawn trenching unit with active working elements. K. I. Furman. Stroitel. dor. mash. 10 no. 3:20-22 Mr '65.
- Graydall universal excavator for digging and cleaning trenches. V. N. Gorinskii. Stroitel. dor. mash. 10 no. 3:32-33 Mr '65.
- Machine for removing plants from trench slopes. M. G. Buslovich. Stroitel. dor. mash. 10 no. 3:12-13 Mr '65.

- Machines for cleaning drainage trenches. V. A. Gvardian, E. A. Bulinskii. Stroitel. dor. mash. 10 no. 3:10-12 Mr '65.

- New continuous trench digger for open-cut drainage. I. A. Plotnikov and others. Stroitel. dor. mash. 10 no. 3:4-6 Mr '65.

- New drainage machines. A. B. Krasnikov, L. I. Mozheiko. Stroitel. dor. mash. 10 no. 3:13-14 Mr '65.

- Present state and basic trends of the development of trenching and road-maintenance equipment. G. M. Kovalenko, V. G. Puskov, V. A. Skotnikov. Stroitel. dor. mash. 10 no. 3:1-4 Mr '65.

## TRENCHING MACHINERY—COLD WEATHER OPERATION

- Using trenching machinery for the construction of a drainage system in winter. V. I. Polunin. Stroitel. dor. mash. 10 no. 3:9-10 Mr '65.

## TRENCHING MACHINERY—HYDRAULIC DRIVE

- Hydraulic drive for trenching and road machinery. E. I. Rabinovich. Stroitel. dor. mash. 10 no. 3:16-18 Mr '65.

## TRENCHING MACHINERY—TESTING

- Investigating the KFN-1200 trench-cutting machine. V. A. Skotnikov. Stroitel. dor. mash. 10 no. 3:18-19 Mr '65.

## TRIAL PRACTICE

- Control of the quality of the trial performance of an attorney. S. Iastrubets'kiy. Rad. pravo 28 no. 3:101-102 Mr-Je '65.



- TRIALS (SEDITION)** see subdivision under Kishinev
- TRIANGULATION**  
Approximate method for adjusting geodetic control nets plotted according to the method of intersections. E. V. Popova, *Izv. vuz. ucheb. zav., geod. i aerof.* no. 5:124-126 '64.  
Effect of the errors in the starting data on the results of adjustment. G. S. Bronshteyn, *Izv. vuz. ucheb. zav., geod. i aerof.* no. 5:51-56 '64.  
Errors of traversing steps and their vector analysis. A. Z. Ruznetskiy, *Sob. AN Gruz. SSR* 37 no. 3:635-642 Mr '65.  
Evaluating approximate methods for adjusting geodetic measurements. S. G. Mogilyan, *Izv. vuz. ucheb. zav., geod. i aerof.* no. 5:57-65 '64.  
Integral formulas for a triangulated strip projected onto a nonequidistant surface approximating the reference ellipsoid. I. A. G. Muralev, *Izv. vuz. ucheb. zav., geod. i aerof.* no. 5:66-74 '64.  
Net adjustment in groups by successively expanding corrections according to the absolute terms of conditional equations. B. I. Beliaev, *Izv. vuz. ucheb. zav., geod. i aerof.* no. 5:10-32 '64.  
Reduction to station centers of lines measured with electro-optical geodimeters. A. V. Kondrashkov, M. V. Ratynskii, *Izv. vuz. ucheb. zav., geod. i aerof.* no. 5:33-36 '64.
- TRIAZINE**  
Chemical weed control in coriander fields. P. V. Beliaev, *Khim. v sel. khoz.* 3 no. 3:46-47 Mr '65.  
Effect of almatrine and almatrine on the microflora of leached Chernozem soils. V. V. Kvanikov, V. P. Chikulaev, *Dokl. Akad. sel. khoz. nauk* no. 2:1-4 F '65.  
Mixed use of triazine derivatives with mineral fertilizers. F. V. Ivanishvili, I. U. Potatueva, I. U. G. Grisevich, *Agrukhimiya* no. 4:89-94 Ap '65.  
New method of synthesizing guanamines containing fluoroalkyl radicals. A. F. Kretov, A. V. Davydov, *Zhur. ob khim.* 35 no. 4:746-748 Ap '65.  
Way for increasing the effectiveness of triazine in the control of perennial stoloniferous weeds in the Virgin Territory. I. U. Neshtovt, *Agrukhimiya* no. 3:151-145 M '65.
- TRIAZINEDIONE**  
Chromatography of 6-azauracil and its derivatives. V. Bulant, O. Horsky, M. Urx, *Antibiotiki* 10 no. 2:99-104 F '65.
- TRICHINA AND TRICHINOSIS**  
Clinical aspects and treatment of trichinosis. I. N. Sobolev, *Sov. med.* 28 no. 5:142-144 My '65.
- TRICHOMONAS—CULTURES AND CULTURE MEDIA**  
Chicken embryos as a model for testing trichomonasacidal antibiotics. L. K. Liubimova, *Antibiotiki* 10 no. 2:130-133 F '65.
- TRICHOMONIASIS**  
Effectiveness of metronidazole (flagyl) treatment of urogenital trichomoniasis. I. Teras and others, *Akush. i gin.* 40 no. 5:96-98 S-O '64.  
Furazolidone treatment of trichomoniasis in women. A. P. Kolesov, *Sov. med.* 28 no. 1:120-121 Ja '65.  
Treatment of urogenital trichomoniasis. B. A. Tschkalov, *Akush. i gin.* 40 no. 5:89-93 S-O '64.  
Treatment of urogenital trichomoniasis with flagyl. M. Petru, A. Syro, A. M. Vojtechovska, *Akush. i gin.* 40 no. 5:93-95 S-O '64.
- TRICHOSTRONGYLIDAE** see subdivision under Azerbaijan
- TRIETHYLENE GLYCOL**  
Triethylene glycol as a solvent for the dearomatization and desulfurization of oil fractions. I. L. Gurevich, V. A. Matishev, *Trudy MINKHGP* no. 44:72-79 '63.
- TRILOBITES** see subdivision under Kyzyl Kum; Siberia
- TRIODES**  
Theory of the volt-ampere characteristics of a film-type field triode. M. I. Elinson, V. B. Sandomirskii, *Dokl. AN SSSR* 162 no. 4:789-790 Je '65.
- TRITERPENOID—SPECTRA**  
Nuclear magnetic resonance and infrared spectra of triterpenoids isolated from ginseng. A. K. Dzizenko, M. U. Nefedova, G. B. Eliakov, *Dokl. AN SSSR* 162 no. 3:569-572 My '65.
- TRITICUM**  
Microsporogenesis in *Triticum timopheevi*. E. G. Simonian, *Izv. AN Arm. SSR, Biol. nauki* 18 no. 3:44-49 Mr '65.
- TRITIUM**  
Isotope exchange sorption of tritium from aqueous solutions under dynamic conditions. V. V. Rachinskii, L. A. Lenskii, *Dokl. AN SSSR* 162 no. 2:380-383 My '65.
- TRITYL GROUP**  
Two-quantum photochemical processes in frozen solutions of triphenylmethane compounds. I. U. Kozlov, D. N. Shigorin, *Dokl. AN SSSR* 161 no. 4:871-874 Ap '65.
- TROLLEY WIRES** see Electric current collectors
- TROLLEYBUSES—MAINTENANCE AND REPAIR** see subdivision under Moscow
- TROPICS—DISEASES AND HYGIENE**  
Metabolism of water-soluble vitamins under conditions of a hot climate. N. K. Zhuk, V. F. Shumayeva, *Voen.-med. zhur.* no. 7:15-48 '64.
- TROTSKII, LEV, 1879-1940**  
Exposure of the petty-bourgeois nature of Trotskyism by Lenin in the pre-October period. S. L. Titarenko, *Vop. ist. KPSS* 9 no. 6:23-28 Je '65.
- TROUT** see subdivision under Lena Delta; White Russia
- TRUCK TRAILERS**  
Pole semitrailer for transporting reinforced concrete tresses. D. F. Ivantsov, *Stroitel. mash. i no. 1* 17 Ja '63.  
The 3-PTS-4M tractor trailer. *Inform. biul. VDNKH* no. 4:33 Ap '65.
- TRUCK TRAILERS—MAINTENANCE AND REPAIR**  
Kleitman, S. L., and L. A. Lagunov, [Maintenance and repair of motor vehicles and trailers in automotive transportation units] *Tekhnicheskoe obsluzhivanie i remont avtomobilov i pristepov v avtohoziasistevakh*, Khar'kov, Izd-vo Kharkovskogo univ., 1965, 420 p.
- TRUSOVA, SOFIA ALEKSEEVNA, d. 1905**  
Sofia Alekseevna Trusova, *Veim. i spilit. prom.* 31 no. 3:47 '65.
- TRUSSES**  
Studying the stressed state of reinforced concrete model sections of bridge trusses. B. V. Hoberkov, A. V. Nosov, V. M. Chestnol, *Bol. i zhel.-bet.* 8 no. 8:418-421 S '63.
- TRUSSES—TRANSPORTATION**  
Pole semitrailer for transporting reinforced concrete tresses. D. F. Ivantsov, *Stroitel. mash. i no. 1* 17 Ja '63.
- TRUSTS, INDUSTRIAL** see subdivision under India
- TRYPANOSOMA**  
Cytochemical study of ribonucleic acid in the cells of some representatives of the family Trypanosomidae. D. Kh. Khilgatlani, *Nauch. dokl. vuz. shkoly, biol. nauki* no. 2:40-42 '65.
- TRYPSIN**  
Chemical modification of trypsin under the effect of irradiation by ultraviolet light. V. N. Lazikov, *Izv. AN SSSR, Ser. khim.* no. 3:559-561 '65.  
Modified method for trypsinizing the kidneys in monkeys. L. L. Mironova, L. L. Mamonenko, N. E. Gol'dfarb, *Vop. virus.* 10 no. 1:110-111 Ja-F '65.  
Quantitative determination of trypsin inhibitors. A. A. Antonian, I. E. L. Khodorova, *Ukr. biokhim. zhur.* 37 no. 1:3-7 '65.
- TRYPSIN—PHYSIOLOGICAL EFFECT**  
Effect of sodium deoxycholate and trypsin on the mitochondria of the gray and white substances of the brain in rabbits. G. P. Butidova, *Bul. eksp. biol. i med.* 50 no. 4:42-45 Ap '65.
- TRYPTOPHAN**  
Determining tryptophan content of muscle tissues. N. Krylova, G. Solntseva, *Mias. ind. SSSR* 30 no. 2:56-57 '65.  
Polarizing emission spectra of protein fluorescence and the possibility of the intertryptophan migration of energy. S. V. Konev, V. P. Bobrovich, E. A. Chernitskii, *Biofizika* 10 no. 1:42-47 '65.  
Quantitative changes in tryptophan, tyrosine and histidine in the composition of proteins irradiated with nuclear and light rays. M. A. Kolomoichenko, R. P. Morozova, *Ukr. biokhim. zhur.* 34 no. 3:350-370 '62.  
Tryptophan biosynthesis by yeasts of the genus *Hansenula*. E. L. Ruban, L. B. Lohyeva, *Prikl. biokhim. i mikrobiol.* 1 no. 1:74-77 Ja-F '65.  
Tyrosine-tryptophan energy migration in protein molecules. V. P. Bobrovich, S. V. Konev, *Dokl. AN SSSR* 9 no. 2:118-121 F '65.
- TSAREVSKII, ALEKSEI MIKHAILOVICH, 1905-**  
Aleksel Mikhailovich Tsarevskii, his 60th birthday. *Gid. i mel.* '17 no. 4:63 Ap '65.
- TSEBEL'DA REGION (GEORGIA)—KARST**  
Geomorphology of karstic caves in the vicinity of the Tsebel'da village. Sh. I. A. Kiplani, Z. K. Tintlozov, *Trudy Inst. gcog. AN Gruz. SSR* 14:83-106 '61.
- TSELENNYY KRAY** see Virgin Territory
- TSELINOGRADE—CERAMIC MATERIALS**  
Local raw materials for proposed ceramic combines. K. K. Kvaticovskaya, *Stek. i ker.* 22 no. 4:17-20, Ap '65.
- TSIMLIANSK RESERVOIR—BRI AM**  
Bream in Tsimliansk Reservoir. M. M. Dondov, *Vest. khoz.* 11 no. 3:68-69 '65.
- TSOLKOVSKII, KONSTANTIN EDUARDOVICH, 1879-**  
Ideas and theory in the outlook of K. I. Tsolkovskii. S. A. Shapov, *Voen. Med. un. Ser. 6: Likn. i Med.* 40 no. 3:59-68 My-Je '65.
- TSIPA REGION (GEORGIA)—CHIOLOGICAL TEAM**  
Age of Super-Cyprian sediments in the Tzipa region. G. P. Lobzhandze, *Sob. AN Gruz. SSR* 38 no. 5:54-552 My '62.
- TSKHAI, TUHO—MINERAL WATERS**  
Effect of submerged lavage of the large intestine with Tskhatubo mineral water on the cardiovascular system under normal and pathological conditions. I. A. Blyudskaya, *Sob. AN Gruz. SSR* 29 no. 1:115-120 M '62.  
Effectiveness of the treatment of chronic colitis by submerged lavage of the large intestine with Tskhatubo mineral water. I. G. Ugulava, *Sob. AN Gruz. SSR* 31 no. 5:607-612 My '62.
- TSYBUL'SKII, ALEKSANDR ALEKSANDROVICH, 1901-**  
1965  
Aleksandr Aleksovich Tsybul'skii, *Khokh. i med. prom.* 9 no. 3:16 Mr '65.
- TUBERCULOSIS**  
Concerning I. L. Sagolova's article "Deterioration of the sensitivity to streptomycin in pulmonary tuberculosis patients." I. U. P. Borodin, *Sov. med.* 28 no. 1:140-147 Ja '65.  
Phagotyping of atypical strains isolated from tuberculosis patients and medicaments. I. R. Doroshova, I. Zhur. mikrobiol., epid. i immun. 41 no. 1:90-91 S '64.  
Raps, I. U. L. [Fluorography as a method for the early detection of pulmonary tuberculosis] *Fluorografiya metod ranego vyavleniya tuberkuleza legkikh*, Moskva, Meditsina, 1965, 17 p. (DNIM)  
Results of pulmonary resections in tuberculosis. B. M. Gorodetskiy, *Azerb. med. zhur.* 12 no. 1:69-73 Ja '65.  
State of the cardiovascular system in tuberculosis patients of elderly and middle age. I. I. Zhelezova, K. B. Korolovskiy, *Vop. geront. i geriat.* 1:240-244 '65.
- TUBERCULOSIS RESEARCH**  
Golden hamster as an experimental model for the study of tuberculosis and antituberculous vaccination. A. M. Rozenberg, N. N. Piatenko, *Zhur. mikrobiol., epid. i immun.* 42 no. 4:131-136 Ap '65.
- TUGBOATS**  
Make wider use of recent and prospective developments. *Rech. transp.* 21 no. 3:11-12 '65.
- TUKHACHYEVSKII, MIKHAIL NIKOLAEVICH, 1893-1937**  
Prominent military theoretician. S. Kozlov, *Nov. nob.* 11 no. 2:268-272 F '65.
- TULAREMIA**  
(see also subdivision under Chuvashia; Mari El Territory; Samarkand Province; Siberia; Western Ukraine; Yakutia)  
Biological properties of tularemia vaccine strains produced by the Scientific Research Institute for Epidemiology and Hygiene. L. V. Skotnik, *Zhur. mikrobiol., epid. i immun.* 41 no. 10:116-120 '64.  
Determination of spontaneous carrier state of tularemia pathogen in the tick *Hyalomma marginatum* Tonn. A. A. Zaitsev, E. V. Popova, E. V. Podkovnikova, *Zhur. mikrobiol., epid. i immun.* 42 no. 1:25-27 Ap '65.
- TULAREMIA—PREVENTIVE INOCULATION**  
Effect of streptomycin on the efficacy of experimental immunization with live vaccines. Report No. 2: Introduction of streptomycin during immunization with tularemia vaccine. D. T. Khokhlov, *Zhur. mikrobiol., epid. i immun.* 41 no. 10:17-22 '64.
- TULIPS**  
Embryology of the tulip *Tulipa vvedenskii* V. I. Iofach, V. P. Pechenitsyn, *Uzb. biol. zhur.* 8 no. 2:53-57 '65.
- TUMORS**  
Cystaphos (monosodium salt of  $\beta$ -aminoethylthiophosphoric acid) as a means for increasing the effectiveness of the chemotherapy of tumors. S. P. Abramovskiy and others, *Dokl. AN SSSR* 162 no. 2:476-479 My '65.  
Dermoid fibromas. P. F. Kalitchevskii, *Ark. patol.* 57 no. 4:178-79 '65.  
Mechanism of the effect of antiviralin. P. A. Muzykin, *Trudy Khim. med. inst.* no. 36:327-334 '65.  
Pseudotumors. A. P. Anselmov, *Vest. khim.* 93 no. 12:180 '64.
- TUMORS, PLANT**  
DNA composition of normal and tumorous callus tissues of a wild grapevine. B. F. Vantushin, N. I. Milner, *Nauch. dokl. vuz. shkoly, biol. nauki* no. 2:162-164 '65.  
Effect of tumorogenic metabolites on the growth and development of higher plants. R. M. Galachuk, *Izv. AN Arm. SSR, Biol. nauki* 18 no. 2:11-10 F '65.

## TUNA FISH

Theoretical investigation of the use of a tuna fishing line. L. I. Metelkin. Trudy Kal. tekhn. inst. ryb. prom i khoz. no 14:53-67 '62.

## TUNA FISH, CANNED

Canning and cooking of the Indian and Pacific Ocean variety of spotted tuna (*Euthynnus affinis*). Z. O. Iakovleva. L. D. I. A. Iosloviseva. Khaz. prom. no 2:45-47 Ap-Je '65.

## TUNDILAS

Ecotrophic mycorrhiza of trees in the East European forest tundra. A. E. Katenin. Bot. zhur. 50 no 3:134-140 Mr '65.

## TUNGSTEN-ANALYSIS

Determination of small amounts of tungsten in molybdenum and its compounds. A. V. Vinogradov, M. I. Dronova. Zhur. anal. khim. 20 no 3:343-346 '65.

## TUNGSTEN CRYSTALS

Use of the method of microdiffraction of ultrafast electrons in studying the fine structure of tungsten single crystals. N. M. Popov, E. M. Savitskii, G. L. Tsarev. Dokl. AN SSSR 162 no. 1:64-66 My '65.

## TUNGSTEN-HAFNIUM ALLOYS—DIELECTRIC PROPERTIES

Thermodynamic properties of a tungsten-hafnium system. B. V. Bondarenko, F. G. Tsukrov. Radiotekh. i elektron. 10 no 5:971-972 My '65.

## TUNGSTEN-MOLYBDENUM ALLOYS see Molybdenum-tungsten alloys

## TUNGSTEN-MOLYBDENUM-ZIRCONIUM ALLOYS—METALLOGRAPHY

Studying the ternary constitutional diagram of W-Mo-Zr. A. M. Zakharov, E. M. Savitskii. Izv. AN SSSR. Met. no. 1:150-159 Ja-F '65.

## TUNGSTEN PLATING

Electrodeposition of molybdenum and tungsten from formamide solutions. A. L. Levinas. Elektrokhimia 1 no. 1:115-117 Ja '65.

## TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

## TUNNEL DIODES

Electron-hole transition in heavily degenerate semiconductors in the case of superhigh current densities. A. N. Iremkov and others. Fiz. tver. tela 7 no 5:1480-1485 My '65.

Methods for measuring the parameters of a mixer using a tunnel diode. V. G. Shinkarenko. Radiotekh. i elektron. 10 no. 5:968-970 My '65.

Quantum evaluation of the effect of free charge carriers on the field of a degenerated p-n junction. T. I. Zil'berman. Radiotekh. i elektron. 10 no. 1:774-776 Ap '65.

Some tunnel diode circuits. V. Morozov. Radio no 4:37-38 Ap '65.

Study of oscillatory processes in networks with several series connected tunnel diodes. I. I. Vorontsov, I. V. Poliakov. Radiotekh. i elektron. 10 no. 5:890-897 My '65.

Use of a tunnel diode as a noise generator in measuring the parameters of a tunnel mixer. V. V. Kukushkin. Radiotekh. i elektron. 10 no. 5:963-966 My '65.

## TUNNEL LINING

(see also subdivision under Moscow)

Standardized reinforced concrete lining for line tunnels in aggressive soils. S. N. Vlasov. Bet. i zheli. bet. 8 no. 0:427-429 S '63.

## TURBINES

Calculation of the axisymmetrical flow in the runners of axial turbines. O. I. Novikova. Teploenergetika 12 no 4:63-67 Ap '65.

## TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur. Turbostr. no. 5 My '65.

## TURBINES—BLADES

Method of calculating the economic efficient of the organization of an alternating continuous line for making turbine-blade forgings. K. M. Vchikanov, N. T. Ermolaeva. Trudy LPI no. 2:147-148 '65.

## TURBINES—TESTING

Calculating losses caused by the radial gap in a turbine impeller. M. K. Makautova. Izv. vyz. ucheb. zav. i av. tekhn. 8 no. 2:103-109 '65.

Testing the last stage of the K-300-240 turbine developed by the S. M. Kirov Turbogenerator Factory in Kharkov. G. A. Sokolovskii, M. F. Fedorov. Teploenergetika 12 no. 5:59-62 My '65.

## TURBOWINDERS—MAINTENANCE AND REPAIR

Repair of the cracked body of the TG-80-1, 6 turbine gas blower. N. L. Iabidin. Sakh. prom. 30 no. 3:51 Mr '65.

## TURBODRILLS

Analyzing a regime for the turbine drilling of wells. A. N. Popov, A. I. Spivak, M. P. Mavliutov. Burenie no 5:6-8 '65.

Core sampling using sectional core turbobits. O. P. Moldavskii, V. M. Kvitsko. Burenie no. 2:18-20 '65.

EBT-1 electric wireless turbodrillometer. B. A. Grachov, I. U. N. Iurn. Burenie no. 1:5-9 '64.

Power losses in the operation of a turbodrill with a drill collar on the shaft. S. M. Kuliev, I. U. V. Sadykhov, T. M. Makhmudov. Burenie no. 2:13-15 '65.

Some investigations of turbodrills. I. A. Edel'man, A. B. Zil'berman. Trudy VNIIBT no 14:156-164 '65.

Some results in operations with multisectional turbodrills. M. T. Guseman, G. M. Nikitin, I. V. Sobkina. Trudy VNIIBT no 14:140-150 '65.

Using 5-inch turbodrills with diamond bits. A. T. Levchenko and others. Burenie no 5:20-21 '65.

## TURBODRILLS—PARTS

Producing the bushings of turbodrill blades by casting in ceramic molds obtained by hot pressing. S. S. Khachaturov, F. D. Ovolentsov. Trudy VNIIBT no 14:151-155 '65.

## TURBOGENERATORS

Improved oil system of TGV-200 turbogenerators. G. S. Degil'. Energ. i elektrotekh. prom. no 1:46-50 Ja-Mr '65.

Method for improving the operation of the performance of the electronic excitation system of a large hydrogenerator. G. B. Chernikov. Izv. vyz. ucheb. zav. i elektromekh. 8 no. 3:342-345 '65.

Study of the efficiency of the leading VT-35-5 turbogenerator unit. M. G. Teplitskii, V. E. Dmitriev. Energ. i elektrotekh. prom. no 1:45-48 Ja-Mr '65.

## TURBOGENERATORS—WINDINGS

Heat emission of the frontal connections of the stator winding of a hydrogenerator. T. G. Sergievskaya. Elektrotekhnika 36 no. 5:12-14 My '65.

Probability of insulation failure in turbogenerator stator windings dependent on the duration of the operation. L. A. Belova, L. G. Mamikonian, V. N. Tutubalin. Elektrichestvo no. 4:42-47 Ap '65.

## TURBOMACHINES

Results of the studies of the exhaust pipes of turbomachines with ring shaped diffusers. M. E. Delch, A. E. Zaitankin, M. F. Zaitsepin. Teploenergetika 12 no 5:40-44 My '65.

## TURBOMACHINES—PARTS

Experimental and rated determination of the pliability of flexible supports of turbomachines. E. A. Artemov. Izv. vyz. ucheb. zav. i av. tekhn. 8 no. 2:48-55 '65.

Kozlov, L. A., and V. G. Bazhenov. [Limiting carrying capacity of the parts of turbomachines]. Predel'naya nesushchaya sposobnost' elementov turbomashin. Kiev, Naukova dumka, 1965. 166 p.

## TURBULENCE

Some characteristics of the energy spectrum of oceanic turbulence. R. V. Ozmidov. Dokl. AN SSSR 161 no. 4:828-831 Ap '65.

Theory of the turbulence of a twisted jet of incompressible liquid. M. S. Samoilov. Inzh.-fiz. zhur. 8 no. 3:325-328 Mr '65.

## TUREK, SVATOPLUK

Soviet criticism on the works of T. Svatopek. V. A. Motornii. Vysnyk L'viv. un. Ser. filol. no. 1:80-82 '63.

## TURGAY GATES—GEOCHEMICAL PROSPECTING

Some hydrochemical criteria in prospecting for sulfide deposits in the western margin of the Turgay trough. V. F. Kovalev. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 5:70-80 S-O '64.

## TURGAY GATES—GEOLOGY, STRUCTURE

Structure of the surface of Paleozoic basement in the southern part of the Turgay trough and the northeastern part of the Ural Mountain region. B. A. Kulubev. Izv. AN Kazakh. SSR. Ser. geol. 22 no. 2:17-26 Mr-Apr '65.

## TURGAY GATES—SOILS—MAGNESIUM CONTENT

Role of absorbed magnesium in the formation of Solonchaks soils in the Turgay Gates. V. V. Bullov. Pochvovedenie no. 5:21-27 My '65.

## TURGAY GATES—SULFIDES

Some hydrochemical criteria in prospecting for sulfide deposits in the western margin of the Turgay trough. V. F. Kovalev. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 5:70-80 S-O '64.

## TURGENEV, IVAN SERGEEVICH, 1818-1883

"Svetlyy man" by I. S. Turgenev in the works of Svetozar Hurban Vajansky. A. Cherveniak. Vest. LGU 20 no. 8:67-75 '65.

Traditions of I. S. Turgenev in the dramaturgy of A. P. Chekhov. L. N. Klymkova. Vysnyk L'viv. un. Ser. filol. no. 1:21-26 '63.

The Turgenev volume of "Literaturnoe nasledstvo" G. Bulya. Vop. lit. 9 no. 4:216-223 Ap '65.

## TURKA DISTRICT (LVOV PROVINCE)—UKRAINIAN LANGUAGE—DIALECTS

Boiki-Slovak lexical parallels; from studies of the vocabulary used in the village of Bitiya, Turka District, Lvov Province. H. K. Lastovetska. Vysnyk L'viv. un. Ser. filol. no. 1:127-129 '63.

Characteristics of prefixal verbs in the Bitiya dialect of Turka District in Lvov Province. T. M. Voznyi. Vysnyk L'viv. un. Ser. filol. no. 1:113-117 '63.

## TURKEY—COMMERCE—RUSSIA

We are leaving for Turkey with good results. E. Gerlach. Vnesh. torg. 45 no 5:20-21 '65.

## TURKEY—CONSTITUTIONAL HISTORY

From the history of sociopolitical thought in Turkey during the 19th century. I. A. Petrosian. Krat. soob. Inst. nar. Az. no 71:80-83 '64.

## TURKEY—ECONOMIC CONDITIONS

Moisey, P. P., and M. A. Gasratian. [Turkey] Turtsila. Moskva, Mysl', 1965. 156 p.

## TURKEY—EUROPEAN WAR, 1914-1918

Turkey's entry into the First World War. V. A. Zhebo-kitskyl. Ukr. ist. zhur. 8 no. 6:76-80 N-D '64.

## TURKEY—FINANCE

Some problems of the financial policy of the Turkish Government, 1950-1960. E. I. Chibrikov. Krat. soob. Inst. nar. Az. no 77:112-117 '64.

## TURKEY—FOREIGN RELATIONS—RUSSIA

Current events. Nov. v. en. 22 no. 22:6-11 My '65. In the name of the interests of the peoples of Turkey and the U. S. S. R. B. Potshverile. Az. i Afr. seg. 8 no 4:24-25 Ap '65.

## TURKEY—LABOR AND LABORING CLASSES

Moisey, P. P., and M. A. Gasratian. [Turkey] Turtsila. Moskva, Mysl', 1965. 156 p.

## TURKEY—POLITICS AND GOVERNMENT

Demonstrations against the government in Turkey on the eve of the coup d'etat of May 27, 1960. V. I. Danilov. Krat. soob. Inst. nar. Az. no. 77:101-111 '64. From the history of sociopolitical thought in Turkey during the 19th century. I. A. Petrosian. Krat. soob. Inst. nar. Az. no 71:80-83 '64.

Gasratian, M. A. [Turkey during the years 1960-1963; an essay on its foreign policy]. Turtsila v 1960-1963 godakh; ocherk vneshnei politiki. Moskva, Nauka, 1965. 175 p.

## TURKEY—SEISMOLOGY

Some results of studying the seismicity of Turkey. A. P. Solov'eva. Vest. Mosk. un. Ser. 4: Geol. 20 no. 2:39-47 Mr-Apr '65.

## TURKEYS—PARASITES see Parasites—Turkeys

## TURKIC LANGUAGES—WORDS

Turkic names for domestic animals in the Halung-nu language. V. S. Taskin. Krat. soob. Inst. nar. Az. no 105:13-20 '64.

## TURKIN, NIKOLAI

Always in search. A. Deviatkin. Kryl. red. 13 no. 3:17 Mr '62.

## TURKMENISTAN—ACARIANS

Acarians on the lizards of western Turkmenia. G. Markov, S. Shammakov. Izv. AN Turk. SSR. Ser. biol. nauk no. 1: 01-93 '65.

## TURKMENISTAN—AGRICULTURAL WORKERS

Certain problems of securing manpower for state farms. A. Igdyrov. Sov. gos. i pravo 35 no. 5:115-119 My '65.

## TURKMENISTAN—BARBERIES

Barberies of Turkmenia. L. N. Stizka. Izv. AN Turk. SSR. Ser. biol. nauk no. 1:41-47 '65.

## TURKMENISTAN—BENTONITE

Mineralogical characteristics of bentonites in the Oglanly deposit. E. K. Lazarenko, I. M. Mel'nik. Min. sbor. 18 no. 1:32-39 '64.

## TURKMENISTAN—BIBLIOGRAPHY

Ashkhabad. Turkmenskaya gosudarstvennaya biblioteka. [The Turkmen S. S. R., a bright beacon of socialism and communism in the East; a bibliographic guide to the literature]. Turkmenskaya SSR - izdaniya i izdaniya i kommunisticheskaya Vostokey; bibliograficheskiy ukazatel' literatury. Sost. V. A. Kudelin, F. Sh. Abimayova, Red. D. Seitintayov. Ashkhabad, 1964. 41 p.

## TURKMENISTAN—BIOLOGICAL RESEARCH

New academicians and member-correspondents of the Department of Biological Sciences of the Academy of Sciences of the Turkmen S. S. R. Izv. AN Turk. SSR. Ser. biol. nauk no 2:95 '65.

#### TURKMENISTAN—BIRD LICE

Fauna of birdlice of gulls O Kh Shcherbinina Izv AN Turk SSR, Ser. biol. nauk no. 292-91 '65.

#### TURKMENISTAN—BRUCELLOSIS

Migration of the causative agent of sheep brucellosis to other animals in Turkmenistan O M Iadyrov Izv AN Turk SSR, Ser. biol. nauk no. 193-96 '65

#### TURKMENISTAN—CARP

Sexual maturity of one-year-old carp (*Cyprinus carpio* L.) R Charyev, Izv AN Turk SSR, Ser. biol. nauk no. 191-83 '65

#### TURKMENISTAN—COCCIDIOSIS

Species of chicken coccidia and their effect on the growth and development of chicks V S Glebovina, Izv AN Turk SSR, Ser. biol. nauk no. 178-80 '65.

#### TURKMENISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Khudalberdiyev, I.A. [Development of the Communist Party of Turkmenistan] Obrazovanie Kommunisticheskoi partii Turkmenistana. Ashkhabad, Turkmenskoe izd-vo, 1964, 214 p. (CSU-H)

#### TURKMENISTAN—CONJUNCTIVITIS, GRANULAR

Erythromycin treatment of trachoma patients in rural therapeutic and prophylactic institutions G Annayev, Izv AN Turk SSR, Ser. biol. nauk no. 281-95 '65

#### TURKMENISTAN—CONSTRUCTION INDUSTRY

Force of the collective, M. Turhal Stroi. i arkh. Stred. Az. 1 no. 9-23 S '64

#### TURKMENISTAN—DARKLING BEETLES

Biology of the cotton darkling beetle *Opatroides punctatulus* Brulle (Coleoptera, Tenebrionidae) and the description of its larva M G. Nepesova Izv AN Turk SSR, Ser. biol. nauk no. 257-63 '65

#### TURKMENISTAN—FIELD CROPS

Ash elements and the productivity of field crops V. E. Beemertnyi, V S Burdygina Izv AN Turk. SSR, Ser. biol. nauk no. 239-44 '65.

#### TURKMENISTAN—FRUIT—DISEASES AND PESTS

Food specialization in caterpillars of the pyralid moths *Ectomyelois ceratoniae* Z. and *Euzophera pumicella* Moos. (Lepidoptera, Pyralidae) G A Kravtchikova, Izv AN Turk. SSR, Ser. biol. nauk no. 155-60 '65

#### TURKMENISTAN—GEOLOGICAL TIME

Age of large lenses in the fresh waters of Turkmenia. S. I. Smirnov Dokl AN SSSR 162 no. 3:647-649 My '65

#### TURKMENISTAN—ISLAM

Patrushev, D. A. [The social roots of Islam and the ways to overcome it in the conditions prevailing in Soviet Turkmenistan, author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] Sotsial'nye korni islama i puti ego predoleniya v usloviyakh Sovetskogo Turkmenistana; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata filosofskikh nauk, Moskva, Mosk. in-t nar. khoz., 1964, 11 p. [MICROFILM]

#### TURKMENISTAN—LANDSCAPE GARDENING

Effective landscape gardening for cities of Turkmenistan V. Gubanov, R. Davydova, Stroi i arkh. Stred. Az. 6 no. 2 27-28 F '65

#### TURKMENISTAN—MILK VETCH

Some biological characteristics of milk vetches in Turkmenia L E Ischenko, Izv AN Turk SSR, Ser. biol. nauk no. 224-30 '65.

#### TURKMENISTAN—OIL WELL DRILLING FLUIDS

Freezing of a tool and the evaluation of drilling fluids, A. I. Pen'kov, V. A. Luk'yanov, Burenie no. 3:3-6 '65, Using modified starch in case of drilling in salt-bearing sediments in eastern Turkmenistan T. I. Kolesnikova and others, Burenie no. 7 20-22 '64

#### TURKMENISTAN—PARASITES—LIZARDS

Acarians on the lizards of western Turkmenia. G. Markov, S. Shammakov Izv AN Turk. SSR, Ser. biol. nauk no. 1: 91-93 '65.

#### TURKMENISTAN—PLANT COMMUNITIES

Materials on studying underground parts of some floral and phytocenoses in northwestern Turkmenia. I. G. Rustamov, Izv AN Turk SSR, Ser. biol. nauk no. 2:115-23 '65

#### TURKMENISTAN—POLITICS AND GOVERNMENT

Khudalberdiyev, I.A. [Development of the Communist Party of Turkmenistan] Obrazovanie Kommunisticheskoi partii Turkmenistana. Ashkhabad, Turkmenskoe izd-vo, 1964, 214 p. (CSU-H)

#### TURKMENISTAN—POULTRY—DISEASES AND PESTS

Species of chicken coccidia and their effect on the growth and development of chicks, V. S. Glebovina, Izv AN Turk. SSR, Ser. biol. nauk no. 1:78-80 '65.

#### TURKMENISTAN—PYRALID MOTHS

Food specialization in caterpillars of the pyralid moths *Ectomyelois ceratoniae* Z. and *Euzophera pumicella* Moos. (Lepidoptera, Pyralidae) G A Kravtchikova, Izv AN Turk SSR, Ser. biol. nauk no. 155-60 '65

#### TURKMENISTAN—STATE FARMS

Certain problems of securing manpower for state farms A Iadyrov Sov gos. pravu 35 no. 5 115-119 My '65

#### TURKMENISTAN—WATER, UNDERGROUND

Age of large lenses in the fresh waters of Turkmenia S. I. Smirnov Dokl AN SSSR 162 no. 3 617-619 My '65.

#### TURKMENISTAN—WHEATEAR

Ecology of the wheatear in Turkmenia G. S. Bel'skaia Izv AN Turk SSR, Ser. biol. nauk no. 2:64-73 '65

#### TURKMENISTAN—WINE AND WINE MAKING—MICROBIOLOGY

Sherry yeast in Turkmenia. V. P. Zhuravleva, O. E. Tishuk Izv AN Turk SSR, Ser. biol. nauk no. 1:36-40 '65.

#### TURKMENISTAN—WOMEN—RIGHTS OF WOMEN

Pal'yanova, B. P. [Victory of the Great October Socialist Revolution and the emancipation of Turkmen women] Pobeda Velikoi Oktabrs'evoi sotsialisticheskoi revoliutsii i rasprostraneniye zhenskikh-turkmenok, Ashkhabad, Izd-vo Akad. nauk Turkmensoi SSR, 1957, 141 p. (MH)

#### TURNER'S SYNDROME

Chromosomal changes in patients with Turner's syndrome. B. N. Klosevskii, B. V. Lebedev, T. B. Markovskaya Prom. endok. i gorm. 11 no. 1:54-57 Ja-F '65. Shereshevskiy-Turner's syndrome as a chromosomal disease. D. K. Vorlinskaya, A. M. Ponomarenko Akush. gin. 40 no. 5 116-147 S-O '64.

#### TURPENTINE

Results of introducing the method of salt-free settling of oleoresins. V. I. Yefimenko Gidroliz i lesokhim. prom. 18 no. 3:26-27 '65

#### TURPENTINING

All-Union Conference on turpentinizing. G. I. A. Kiluchkov Gidroliz i lesokhim. prom. 18 no. 3 30-31 '65

Double-level method for turpentinizing with the use of sulfuric acid. G. I. A. Rodin, F. V. Tishin Gidroliz. i lesokhim. prom. 18 no. 2:27-28 '65.

Long-term turpentinizing with chemical stimulation proves to be effective. I. U. A. Isupov, Gidroliz. i lesokhim. prom. 18 no. 2 28-30 '65.

Make efficient use of the raw material sources of turpentinizing. Gidroliz. i lesokhim. prom. 18 no. 2:1-2 '65

Oleoresin yield from ascending streaks. G. G. Romanovskii, A. P. Tsyglin Gidroliz i lesokhim. prom. 18 no. 2:18 '65.

Resin productivity of southern pine species. A. V. Goidtsev, V. V. Lugvislavskii, Gidroliz. i lesokhim. prom. 18 no. 3 17-18 '65.

Tapping of pine plantations of the fourth and fifth class in northern regions. P. P. Pavlov, V. A. Shul'gin, T. I. Podoprigina Gidroliz. i lesokhim. prom. 18 no. 3 22-23 '65.

Use of oleoresins and colophony obtained from hardwoods in the various branches of the industry. N. A. Gurlich, M. A. Rakitina, G. I. Vinogradova, Gidroliz. i lesokhim. prom. 18 no. 2:35-16 '65

#### TURPENTINING—EQUIPMENT AND SUPPLIES

New RTS-4 chemical streak cutter. G. B. Olovenkov, Gidroliz. i lesokhim. prom. 18 no. 2:17 '65.

#### TUSHINO (MOSCOW PROVINCE)—AERONAUTICAL SPORTS

Moscow, Tushino. A. Vinokurov, I. U. Zelt'enskii. Kryl. i rod. 16 no. 3:13-15 Mr '65.

#### TUVA A. S. S. R.—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonics of Tuva G. A. Kudriavtsev. Blul MOIP, Otd. geol. 40 no. 2 22-15 M-Ap '65.

#### TUVA A. S. S. R.—ORE DEPOSITS

Genetic relation of the pyrite-complex metal mineralization of eastern Tuva to the Lower Cambrian spilite-keratophyre formation. V. B. Agentov, G. A. Kudriavtsev, Trudy SNIIGGIMS no. 35 124-133 '64.

#### TUVA A. S. S. R.—ROCKS, SEDIMENTARY

Genetic relation of the pyrite-complex metal mineralization of eastern Tuva to the Lower Cambrian spilite-keratophyre formation. V. B. Agentov, G. A. Kudriavtsev, Trudy SNIIGGIMS no. 35:124-133 '64

#### TUVMASY OIL FIELD—OIL RESERVOIR ENGINEERING

Determining the mean values of the basic parameters of oil reservoirs with a given degree of accuracy based on a study of the Tuvmazy oil field. T. P. Mironov. Neft-prom. delo no. 2:9-12 '65.

#### TWIST DRILLS

Advanced designs of twist drills. V. I. Zhilits, Mashinostroitel' no. 4:18-21 Ap '65.

Twist drill ground-off dead centers A. A. Bantovskoi Avt. prom. 31 no. 1:44-15 Ap '65

#### 2, 4-D

Effect of the sodium salt of 2, 4-D on weed seeds. H. I. Zubkevich Vestsi AN BSSR, Ser. sel'hozp. nay no. 1: 85-88 '65

2, 4-D—EFFECT ON PLANTS see Plants, Effect of 2, 4-D on

#### TYMPANIC MEMBRANE

Barofunction of the ear I A Golubchik Voen.-med. zhur. no. 10:57-59 '64

#### TYPESETTING

Some principles for technological instruction in typesetting Poligrafia no. 5 44-46 My '65

#### TYPHOID FEVER

(see also subdivision under Leninabad)

Characteristics of a typhoid fever outbreak at an industrial enterprise. L. G. Gogol' and others, Trudy TSIU 68:35-37 '61

Characteristics of clinical course of typhoid fever and paratyphoid B in children S. B. Aitsev, Trudy TSIU 68:162-165 '64

Detection of typhoid bacilli in the blood by the phage titer growth reaction. N. I. Kasanova, A. V. Matveeva, Trudy TSIU 68:79-81 '64

Dynamics of antibody formation in typhoid fever based on data of the hemagglutination reaction K. V. Bunin, N. S. Modacova, Zhur. mikrobiol., epid. i immun. 42 no. 4 102-104 Ap '63

Effect of concomitant cholecystocholangitis on immunological reactions in typhoid fever patients A. P. Kazantsev Zhur. mikrobiol., epid. i immun. 42 no. 4 112-116 Ap '65

Effect of cortisone in experimental typhoid fever infection in mice E. I. Zhiltova, K. I. Kudriashova, Zhur. mikrobiol., epid. i immun. 41 no. 10 22-26 '64

Experience in the use of immunoelectrophoresis in agglutination for the clarification of the role of individual blood serum protein fractions and formation of antibodies in typhoid fever and dysentery A. I. Ivanov Zhur. mikrobiol., epid. i immun. 42 no. 4 110-112 Ap '65

Passive hemagglutination reaction with chemical preparations of O and Vi-antigens to *Salmonella typhi* in the diagnosis of typhoid fever and carrier state N. A. Kraskina and others Zhur. mikrobiol., epid. i immun. 42 no. 4 116-121 Ap '65.

Pathogenesis and clinical treatment of relapses of typhoid and paratyphoid fever N. M. Patarkalishvili, Soob. AN Gruz. SSR 28 no. 5 621-627 My '62.

Reproduction of typhoid fever infection in the lower monkeys of the *Thesus macleay* type G. O. Popova, Trudy TSIU 68 93-97 '64

Treatment of typhoid fever with levomycetin and pentoxyl. B. V. Suleimanov, R. F. Mukhmetakhimova, Sov. med. 28 no. 5:121-123 My '65

Use of fluorescent sera in the detection of typhoid bacilli in the blood. N. I. Kasanova, N. G. Bushueva, A. V. Matveeva, Trudy TSIU 68:77-78 '64.

#### TYPHOID FEVER—MICROBIOLOGY

Bacteriological properties of blood sera in typhoid and paratyphoid fever L. E. Khazanova Zhur. mikrobiol., epid. i immun. 41 no. 10 111-116 '61

#### TYPHOID FEVER—PREVENTIVE INOCULATION

Enteral immunization against typhoid fever. Report No. 2 Effectiveness of enteral immunization with chemical Vi- and O-antigens B. B. Pershin Zhur. mikrobiol., epid. i immun. 41 no. 10 107-110 '61

Evaluation of the epidemiological effectiveness of the aerosol method of immunization against typhoid fever. V. N. Efremova, Trudy TSIU 68:38-39 '64

Immunological activity of lymphoid organs in aerosol and subcutaneous immunization against typhoid fever. N. I. Aleksandrov and others Zhur. mikrobiol., epid. i immun. 41 no. 11:128-133 N '64

Study of the immunological shifts in the blood sera of children and adults following aerosol immunization against typhoid fever. V. N. Efremova, Trudy TSIU 68:88-92 '64.

#### TYPHUS FEVER

Duration of the preservation of specific antibodies in persons who suffered from typhus in the past. B. H. Zatulovskiy, V. I. Bondarenko, Mikrobiol. zhur. 27 no. 2:64-68 '65.

Effect of radioactive phosphorus on experimental rickettsial infection. T. A. Bektemirov, Trudy TSIU 68:112-118 '64.

Experimental study of some modifications of the indirect hemagglutination reaction in tick-borne rickettsiosis of northern Asia. G. P. Somov, V. I. Vinogradov, Vop. virus. 10 no. 1:83-87 Ja-F '65.

#### TYROGLYPHIDAE see subdivision under Adzharia

## TYROSINE

Effect of zinc and vitamins B<sub>1</sub> and B<sub>6</sub> on the incorporation of C<sup>14</sup>-tyrosine into proteins. M. I. A. Shkol'nik, V. N. Davydova. Dokl. AN SSSR 161 no. 6:1465-1466 Ap '65.  
Quantitative changes in tryptophan, tyrosine and histidine in the composition of proteins irradiated with nuclear and light rays. M. A. Kolomitschenko, R. P. Morozova. Ukr. biokhim. zhur. 31 no. 3:359-370 '62.  
Tyrosine-tryptophan energy migration in protein molecules. V. P. Bohorovich, S. V. Loney. Dokl. AN SSSR 9 no. 2:118-121 J '65.

## TYUMEN' PROVINCE—GAS INDUSTRY

Development of the gas industry in Tyumen' Province. G. L. Gorbenko. Neftegaz geol. i geofiz. no. 1:31-34 '65.

## TYUMEN' PROVINCE—OIL FIELDS—BUILDINGS AND STRUCTURES

Problems of designing oil field equipment in Tyumen' Province. E. L. Tretyas. Stroi. truhoprov. 10 no. 2:4-5 I '65.

## UCH-KIZIL RESERVOIR—CAPOETOBRAHA

Capotobrahma kuschakevitchi (Kessl.) from Uch-Kizil Reservoir of the Sukhondariya basin. A. A. Amanov. Uz. biol. zhur. 9 no. 2:60-71 '65.

## UCHA RESERVOIR—BENTHOS

Experimental study of the consumption of benthos by fish in Ucha Reservoir. N. U. Sokolova. Gidrobiol. zhur. 1 no. 1:52-61 '65.

## UCHA RESERVOIR—FISHES—FOOD

Experimental study of the consumption of benthos by fish in Ucha Reservoir. N. U. Sokolova. Gidrobiol. zhur. 1 no. 1:52-61 '65.

## UDA VALLEY—BOTANY

New plants in the flora of the Uda region. I. A. Doronina. Bot. zhur. 50 no. 3:403-404 Mr '65.

## UDMURT A. S. S. R.—AESTHETICS—STUDY AND TEACHING

Contribution of adults to children. V. Chirakova. Doshk. vosp. 38 no. 1:76-78 Ja '65.

## UDMURT A. S. S. R.—COLLECTIVE FARMS—MANAGEMENT

Specialization and size of collective farms. O. D. Simanovskii. Ekon. sci. zhur. 10 no. 3:68-74 My '65.

## UDOKAN MOUNTAINS (CHITA PROVINCE)—ORE DEPOSITS

Study of hostability of anticline from the Udokan deposit. G. I. Demidovich, L. D. Kisilnikov. TSvet. met. 38 no. 4:21 Ap '65.

## UFA—ACCOUNTING MACHINES

Our practice in improving the SP-22 accounting machines. A. Levinson. Vest. stat. no. 5:72-73 '65.

## UFA REGION—OIL WELL DRILLING

Analyzing methods for using drilling lines whose length is greater than that of the line string-up in enterprises of the Tiuman' Oil Well Drilling Trust. R. Kh. Gumerov and others. Burenie no. 2:35-37 '65.

## UGAROVKA (KALUGA PROVINCE)—OLD AGE HOMES

Home for aged collective farmers. A. Tanin. Sois. obsep. 26 no. 4:11 Ap '65.

## UKHTA (KOMI A. S. S. R.)—NATURAL HISTORY

Nature calendar of the vicinity of the City of Ukhta. K. F. Sedykh. Izv. komit. fl. i geog. ob-va SSSR no. 9:61-69 '64.

## UKHTA REGION (KOMI A. S. S. R.)—GAS FIELD DEVELOPMENT

Exploitation of wells and the intensification of gas production in a late stage of the development of gas fields. S. F. Zolotov, V. E. Ieshchenko. Gaz. prom. 10 no. 3:3-6 '65.

## UKRAINE—ADMINISTRATIVE ACTS

Strengthen the legality of safeguards when issuing administrative acts. V. Novoselov. Rad. pravo 28 no. 3:26-30 My-Je '65.

## UKRAINE—ADULT EDUCATION

At the sources of the Soviet system of adult education. O. R. Mazurkevych. Rad. shk. 43 no. 4:25-31 Ap '65.

## UKRAINE—AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS

Exhibition and review of the achievements of innovators in machinery manufacture. R. K. Kharitonov. Trakt. i sel'khoz. mash. no. 3:47-48 Mr '65.

## UKRAINE—AGRICULTURAL MACHINERY INDUSTRY

At the Technical Council of the State Committee for the Tractor and Agricultural Machinery Industry. V. M. Chaus. Trakt. i sel'khoz. mash. no. 4:13 of cover Ap '65.

## UKRAINE—AGRICULTURE

The Ukraine in the agricultural production of Russia after the reform, from the 1860's to the 1890's. I. O. Huzhii. Ukr. ist. zhur. 8 no. 6:39-50 N-D '64.

## UKRAINE—AGRICULTURE—LABOR PRODUCTIVITY

Potentialities of increasing labor productivity in the agriculture of the Ukrainian S. S. R. I. Romanenko, O. Buhuts'kyi. Ekon. Rad. pravo 8 no. 1:11-13 Ap '65.

## UKRAINE—AMATEUR THEATRICALS

Kazymyrov, O. A. [The Ukrainian amateur theater; the pre-revolutionary period]. Ukrain's'kyi amators'kyi teatr, dozhovincnyi period. Kyiv, Mysl'stvo, 1965. 132 p.

## UKRAINE—ARBITRATION AND AWARD

Application of the basic rules for the determination of economic litigations. IU. Shaul's'kyi. Rad. pravo 28 no. 2:114-117 Mr-Apr '65.

Government Arbitration Agency attached to the Council of Ministers of the Ukrainian S. S. R. M. Bialik. Rad. pravo 28 no. 3:153-155 My-Je '65.

Thoughts on the new rules of determination of economic litigations by the state arbitration agencies. M. Bialik. Rad. pravo 28 no. 2:97-99 Mr-Apr '65.

## UKRAINE—ARBITRATION AND AWARD—CASES

Arbitration practice. Rad. pravo 28 no. 2:135-137 Mr-Apr '65.

## UKRAINE—ASSAULT AND BATTERY

Examination or expert testimony? G. Vul'fin, R. Tevlin. Rad. pravo 28 no. 2:99-100 Mr-Apr '65.

## UKRAINE—ATHEISM—STUDY AND TEACHING

Training of propagandists of scientific atheism in the Ukraine, 1950-1963. H. A. Mukyyeh. Ukr. ist. zhur. 8 no. 6:81-89 N-D '64.

## UKRAINE—AUDITING AND INSPECTION

Single party-state control. L. Potaykina. Rad. pravo 28 no. 2:22-26 Mr-Apr '65.

## UKRAINE—BEE CULTURE—WINTERING

Wintering of bees in cold premises. A. I. Ivanchenko. Trudy mol. uch. UASHN no. 0:90-92 '63.

## UKRAINE—BIOCHEMICAL SOCIETIES

Kiev Branch of the Ukrainian Biochemical Society. Ukr. biokhim. zhur. 34 no. 3:477 '62.

## UKRAINE—BIOPHYSICS

Present state and future development of scientific research in the Laboratory of Biophysics of the Institute of Radiophysics and Electronics of the Academy of Sciences of the Ukrainian S. S. R. Dop. AN URSR no. 5:678 '65.

## UKRAINE—BOTANICAL SOCIETIES

Third Congress of the Ukrainian Botanical Society. A. I. Barbarich, V. I. Chopik. Bot. zhur. 50 no. 4:600-602 Ap '65.

## UKRAINE—BREWING INDUSTRY

Prospects of the development of the brewing and soft drinks industry in the Ukrainian S. S. R. during the period from 1966 to 1970. F. D. Deineha. Khar. prom. no. 2:8-9 Ap-Je '65.

## UKRAINE—BUDGET

Budget statistics exchange experience. Iv. Zavrln. Vest. stat. no. 5:84 '65.

## UKRAINE—CANNING INDUSTRY

Basic trends of the scientific and technical progress in the canning industry of the Ukrainian S. S. R. for the period from 1966-1970. K. I. Danilov. Khar. prom. no. 2:0-12 Ap-Je '65.

## UKRAINE—CARP

Growing goldfish as a possibility for increasing the fish productivity of ponds. N. N. Kharitonova. Trudy mol. uch. UASHN no. 0:82-84 '63.

## UKRAINE—CATTLE BREEDING

Blood groups and their role in the evaluation of the results of upgrading at the Antoniny Breeding Station. V. I. A. Meshcheriakov. Trudy mol. uch. UASHN no. 0:34-39 '63.

## UKRAINE—CHILDREN—EMPLOYMENT

Let us intensify the preauratorial supervision over the observance of the laws on the employment of minors. V. Shaposhnykov. Rad. pravo 28 no. 2:46-48 Mr-Apr '65.

## UKRAINE—CIVIL LAW—CASES

Judicial decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo 28 no. 2:127-134 Mr-Apr '65.

## UKRAINE—CIVIL PROCEDURE

Supervision of courts under the new Code. S. Kats. Rad. pravo 28 no. 2:80-85 Mr-Apr '65.

Thoughts on the new rules of determination of economic litigations by the state arbitration agencies. M. Bialik. Rad. pravo 28 no. 2:97-99 Mr-Apr '65.

## UKRAINE—COAL PREPARATION

Basic trends in the expansion of coal preparation in the Ukraine. G. V. Zhovtiuk. Ugol' Ukr. 9 no. 4:39-41 Ap '65.

## UKRAINE—COLLECTIVE FARMS—FINANCE

Make sure that law is observed in agriculture. M. Danchenko. Rad. pravo 28 no. 2:63-68 Mr-Apr '65.

## UKRAINE—COLLECTIVE FARMS—INTERFARM COOPERATION

Legal forms of interfarm cooperation. TS. Bychkova, I. Agapov. Rad. pravo 28 no. 2:76-80 Mr-Apr '65.

## UKRAINE—COLLECTIVE FARMS—LAWS AND LEGISLATION

Legal forms of interfarm cooperation. TS. Bychkova, I. Agapov. Rad. pravo 28 no. 2:76-80 Mr-Apr '65.

## UKRAINE—COLLECTIVE FARMS—MANAGEMENT

Planning the collective farm production. B. Kuznetsov. Ekon. Rad. pravo 8 no. 1:54-56 Ap '65.

## UKRAINE—COMMERCE

Inadequacy of the export of confectionery goods from the Ukrainian S. S. R. I. S. Kryzhanovskii. Khleb. i kond. prom. 9 no. 5:20-21 My '65.

## UKRAINE—COMMUNIST COMPETITION

Do not cool down! N. Loginov. Sov. pech. no. 4:16-18 Ap '65.

The leading role of the Communist Party of the Ukraine in widening the movement for communist labor in Ukrainian industry, 1950-1961. I. I. Nikolaienko. Ukr. ist. zhur. 8 no. 6:12-25 N-D '64.

## UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

Contribution of Ukrainian workers to the defeat of German Fascist occupiers. K. Dubina. Komm. Ukr. 10 no. 5:26-35 My '65.

From the history of the Behind-the-Front Bureau of the Central Committee of the Communist Party (Bolshevik) of the Ukraine in 1910. S. I. Slucheva'ka. Ukr. ist. zhur. 8 no. 6:93-97 N-D '64.

The leading role of the Communist Party of the Ukraine in widening the movement for communist labor in Ukrainian industry, 1950-1961. I. I. Nikolaienko. Ukr. ist. zhur. 8 no. 6:12-25 N-D '64.

Shashko, T. M. [Supervisory role of the Communist Party in the development of Soviet schools in the Ukraine]. Kerkiva ol' Komunistychnoi partii v rozvytku radian's'koi shkoly na Ukraini. Kyiv, Radians'ka shkola, 1963. 156 p. (NN)

The struggle of the Communist Party of the Ukraine against the Trotsky-Zinoviev anti-party bloc, 1926-1927. I. I. Kolomitschenko. Ukr. ist. zhur. 8 no. 6:26-38 N-D '64.

## UKRAINE—COMRADES COURTS

Consultation for members of comrades courts. Rad. pravo 28 no. 2:42-45 Mr-Apr '65.

## UKRAINE—CONFECTIONERY

Confectionery industry of the Ukrainian S. S. R. during 1965. I. S. Kizhanovskii. Khleb. i kond. prom. 9 no. 3:1-2 Mr '65.

Inadequacy of the export of confectionery goods from the Ukrainian S. S. R. I. S. Kryzhanovskii. Khleb. i kond. prom. 9 no. 5:20-21 My '65.

## UKRAINE—CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES

Territorial administrations and general supply bases. IU. Bashmakov. Ekon. sci. no. 12:14-16 D '64.

## UKRAINE—CORN (MAIZE)

Calculation of the amount of rainfall for the postharvest and stubble corn crops in the southern Ukraine. A. B. Potoker. Meteor. i gidrol. no. 6:31-33 Ja '65.

New corn varieties for food. A. S. Masliko, P. F. Klituchko. Dokl. Akad. sel'khoz. nauk no. 3:8-11 Mr '65.

## UKRAINE—COSTUME

Antonovych, K. M. [Ukrainian costume; historical notes, practical advice, drawings, designs, Costumes of the Cossack period]. Ukrain's'kyi odlah; istorychni zamitky, praktychni porady, rysunki, vzory. Odlah kozats'koi doby. 2., perevireno i poshytne vyd. Winnipeg, Naki, Organizatsii Ukrainok Kanady, 1964. 36 p., illus. (U)

## UKRAINE—COURT RECORDS

Improve the quality of court documents. V. Zegorodnuk. Rad. pravo 28 no. 2:59-63 Mr-Apr '65.

## UKRAINE—COURTS

In the Supreme Court of the Ukrainian S. S. R. Rad. pravo 28 no. 3:150-152 My-Je '65.

#### UKRAINE—COURTS—ACCOUNTING

Introduce order in the collecting of court costs incurred in criminal cases T Sharkova Rad pravo 28 no 2: 73-75 Mr-Ap '65

#### UKRAINE—COURTS—AUDITING AND INSPECTION

More attention to the auditing of operations of people's courts V Shern Rad pravo 28 no 2: 68-73 Mr-Ap '65

#### UKRAINE—CRIMINAL INVESTIGATION

Raise the quality of the investigation of juvenile cases V Kolganova Rad pravo 28 no 2: 112-114 Mr-Ap '65

Sending back cases for supplementary investigation with no good reason I I Nahoinyi Rad pravo 28 no 3: 50-53 My-Je '65

#### UKRAINE—CRIMINAL LAW—CASES

Judicial decisions of the Supreme Court of the Ukrainian S S R Rad pravo 28 no 2: 127-134 Mr-Ap '65

#### UKRAINE—CRIMINAL PROCEDURE

Certain important laws need revision D Ivrovskiy Rad pravo 28 no 2: 101-103 Mr-Ap '65

Procedural status of organs of inquiry and persons who conduct it M Hurs'kiy Rad pravo 28 no 3: 90-93 My-Je '65

#### UKRAINE—DAIRY INDUSTRY

Scientific and technical conference of the representatives of the Ukrainian dairy industry, M M Mastakov Khar prom no 2: 72-73 Ap-Je '65

#### UKRAINE—DELIVERY OF GOODS (LAW)

Legal aspects of the responsibility for nonfulfillment of plans and obligations to deliver goods I Kras'ko Rad pravo 28 no 3: 83-86 My-Je '65

Material liability for default in selecting or for the refusal to accept goods V Luts' Rad pravo 28 no 3: 86-90 My-Je '65

#### UKRAINE—DISTILLING INDUSTRIES

Scientific technical conference of the representatives of the distilling industries of the Ukrainian S. S. R. M I Shokhet Form i spirit prom 31 no 1: 47 '65

#### UKRAINE—DUE PROCESS OF LAW

Strengthen the legality of safeguards when issuing administrative acts V Noroslov Rad pravo 28 no 3: 26-30 My-Je '65

#### UKRAINE—ECONOMIC ZONING

[The economic regions of the Ukrainian S.S.R., a manual] Ekonomichni raiony URSR, dovidnyk. Kyiv, Naukova dumka, 1965. 190 p.

#### UKRAINE—EDUCATION

Development of public education in the Ukraine in 1917-1920 H S Ivanenko Rad shk 43 no 4: 21-21 Ap '65

Shashko, T. M. [Supervisory role of the Communist Party in the development of Soviet schools in the Ukraine] Keri, na roli Komunistychnoi partii v rozvytku radiats'koï shkoly na Ukraini Kyiv, Radiats'ka shkola, 1963 156 p (NN)

Shortcomings in the knowledge of school graduates I V Kapelushnyi Rad shk 43 no 4: 79-84 Ap '65

#### UKRAINE—ELECTRIFICATION

Iakusha, G. B. [Technical and economic bases of developing electric power production in the economic regions of the Ukrainian S. S. R.] Tekhniko-ekonomicheskie osnovy razvitiia elektroenergetiki ekonomicheskikh rajonov Ukrainy SSR Kiev, Naukova dumka, 1965 251 p.

#### UKRAINE—ENGINEERING RESEARCH

Structural changes and improvement in scientific character of the Kharkov Branch of the Institute of Mechanics of the Academy of Sciences of the Ukrainian S. S. R Dop AN URSR no 5: 679 '65

#### UKRAINE—EVENING AND CONTINUATION SCHOOLS

Relief for students and apprentices holding jobs. V Helkman Rad pravo 28 no 2: 89-93 Mr-Ap '65.

#### UKRAINE—EVIDENCE, CRIMINAL

Expert testimony? G. Vul'fin, R. Tevlin. 18 no 2: 89-100 Mr-Ap '65. setting and circumstances in an important stigator A Davydovych Rad pravo 28 no 3: 75 '65

#### WILLS

the "Krasnyi" State Farm E. Zinger. 31 no 5: 17-18 My '65.

#### FISHERIES AND MANURES

fertilizers as related to soil moisture, and others. Agrokhimika no 2: 3-14 F

#### UKRAINE—FISH PONDS

Improving the vegetation of carp spawning ponds. M. D. Samoilov Trudy mol uch UASIN no 9: 78-81 '63

#### UKRAINE—FOREIGN RELATIONS

Amendments to the Charter of the United Nations ratified by the Ukrainian S S R K Zabigallo Rad pravo 28 no 3: 115-118 My-Je '65

#### UKRAINE—FRUIT CULTURE

Distribution and specialization of fruit culture and viticulture in the Ukraine D Chukhno Ek on Rad Ukr 8 no 4: 60-65 Ap '65

#### UKRAINE—GAS, NATURAL—GEOLOGY

Present status of and prospects for the development of the production of natural gas in the eastern Ukrainian oil- and gas-bearing region V G Vasil'ev and others Gaz prom 10 no 4: 1-6 '65

#### UKRAINE—GAS WELL DRILLING

Efficiency of drilling wells of various diameters in the Ukrainian S S R M I. Balanovskii Burime no 5: 18-20 '64

#### UKRAINE—GEOGRAPHICAL SOCIETIES—CONGRESSES

Development of geography in the Ukraine; on the work results of the First Congress of the Geographical Society of the Ukrainian S S R A S Khaichenko Izv Vses geog ob-va 97 no 2: 189-191 Mr-Ap '65

#### UKRAINE—GEOGRAPHY, POLITICAL—BIBLIOGRAPHY

Bibliography of publications on the history of Ukrainian towns and villages L. L. Makarenko, P I Zhebakhov. Ukr. ist. zhur. 8 no 6: 107-110 N-D '64

#### UKRAINE—GEOLOGY, STRATIGRAPHIC

Methods for studying the geological key sections of the Quaternary of the Ukrainian S S R M. F. Veklych. Dop AN URSR no 5: 613-616 '65.

#### UKRAINE—GEOLOGY, STRUCTURAL

Use of the thermoluminescent method for studying the geological structure of the Rakhov Massif, V. S. Sasyonovich, V. M. Shovkoplias, H. V. Morozov. Dop AN URSR no 4: 494-498 '65.

#### UKRAINE—GERMAN OCCUPATION, 1941-1944

Role of the Ukrainian economy in the Soviet Union's victory over fascist Germany Z. Danyliuk, M. Danyliuk. Ek on Rad Ukr. 8 no 4: 16-20 Ap '65.

#### UKRAINE—HARPACTICIDAE

New species of Harpacticoida (Copepoda) Nitrocella hibernica incerta and Paracampylus schmeili in the Ukraine V. I. Monchenko Dop. AN URSR no 4: 528-533 '65.

#### UKRAINE—HISTORY

Bzhes'kyk, Roman. [Essays on the ancient and more recent history of the Ukrainian people] Naysy z starodav'n'oi ta davn'oi istorii ukrains'koho narodu [Munich, Logos] 1964. 222 p. [Publ. under his pseud. Roman Mlynovets'kyi] (MIU)

#### UKRAINE—HISTORY—STUDY AND TEACHING

Extracurricular work in the history of the Ukrainian S S R. In the seventh and eighth grades. V. M. Kulakovskiy. Ukr. ist. zhur. 8 no 6: 113-114 N-D '64.

#### UKRAINE—HOPS

Reduce labor expenditure and production costs in hop growing. V Vlasenko, R. Pohorielov Ek on Rad Ukr 8 no 4: 88-90 Ap '65

#### UKRAINE—HORNBLÉNDE

Fei ruginosity of the hornblendes of some granulites and metamorphic rocks in the Rossa, Gornyy, and Gniloy Tikich basins. A. L. Litvin. Min sbor. 18 no 1: 82-86 '64.

#### UKRAINE—HYDROBIOLOGY—CONGRESSES

First Conference of the All-Union Hydrobiological Society in the Ukrainian S S R. L. P. Biaginskii, V. V. Polishchuk Gidrobiol. zhur. 1 no 1: 80 '65.

#### UKRAINE—INCENTIVES IN AGRICULTURE

Promoting a more effective use of economic stimuli for the development of agriculture I. Lukimov. Komm Ukr 39 no 5: 61-60 My '65

#### UKRAINE—INDUSTRIAL MANAGEMENT

Important condition for increasing production efficiency. A Korostash Ek on Rad Ukr. 8 no 4: 77-80 Ap '65.

#### UKRAINE—INDUSTRIAL PROCUREMENT

Territorial administrations and general supply bases. IU, Basmakov Ek on stroi no 12: 14-16 D '64.

#### UKRAINE—INDUSTRIAL STATISTICS

In the propagandists' notebook. Ek on Rad. Ukr. 8 no 4: 81 Ap '65

#### UKRAINE—INDUSTRIES

Mychenko, V. P. [The industrial Ukraine] Ukraina industrial'na. Kyiv, Polityvday Ukrainy, 1965. 61 p.

Role of the Ukrainian economy in the Soviet Union's victory over fascist Germany Z. Danyliuk, M. Danyliuk. Ek on Rad. Ukr. 8 no 4: 16-20 Ap '65.

#### UKRAINE—INLAND WATER TRANSPORTATION

Potentialities for increasing the shipments of cargoes on the small rivers of the Ukraine. A. Titnenko. Reek transp 21 no 3: 58 '65.

#### UKRAINE—IRON AND STEEL PLANTS

Basic technical and economic indices of the operation of metallurgical plants in the Ukrainian S. S. R. for 1964. Met. i gornorud. prom. no 2: 07-80 Mr-Ap '65.

#### UKRAINE—IRON INDUSTRY—FINANCE

Expediency of capital investments into mining enterprises is obvious O Polishchuk and others Ek on Rad Ukr. 8 no 4: 27-32 Ap '65

#### UKRAINE—JUVENILE DELINQUENCY

Raise the quality of the investigation of juvenile cases. V Kolganova Rad pravo 28 no 2: 112-114 Mr-Ap '65.

#### UKRAINE—LABOR AND LABORING CLASSES

Working class of the Ukraine in the elections to the all-Russian and all-Ukrainian constituent assemblies. I K. Rybalka. Ist. SSSR 9 no 1: 114-121 Ju-Je '65.

#### UKRAINE—LANDFORMS

Practice in the classification of the geographical landforms of the Ukrainian S. S. R. and the Moldavian S. S. R. K. I. Gorenchuk. Geog. sbor. J'vov, old. Geog. ob-va SSSR no 8: 5-13 '64.

#### UKRAINE—LANDLORD AND TENANT

Civil law issues of the struggle against the misuse of personal property rights I Tashkor Rad pravo 28 no 3: 74-78 My-Je '65.

#### UKRAINE—LAW

Further tasks facing the development of legal science and improved legal education V Manlov. Rad pravo 28 no 3: 140-20 My-Je '65

Legislative enactments. Rad pravo 28 no 2: 136-143 Mr-Ap '65.

Regulatory enactments Rad pravo 28 no 3: 132 My-Je '65.

#### UKRAINE—LAW—BIBLIOGRAPHY

Legal literature published in the Ukraine in 1964 Rad pravo 28 no 3: 150-160 My-Je '65.

#### UKRAINE—LAW—CASES

Judicial practice of the Supreme Court of the Ukrainian S S R Rad pravo 28 no 3: 124-128 My-Je '65.

#### UKRAINE—LAW—STUDY AND TEACHING

Further tasks facing the development of legal science and improved legal education V Maslov Rad pravo 28 no 3: 16-20 My-Je '65.

Raise the standard of the teaching of law in higher schools of economics M Kravtsov, I. Holenda. Rad pravo 28 no 2: 88-90 Mr-Ap '65.

#### UKRAINE—LAW AND COMMUNISM

Exercise of public influence on the realization of the rules of the all-people law. M. Orzikh. Rad pravo 28 no 2: 93-97 Mr-Ap '65.

#### UKRAINE—LEAF ROLLERS

New species of leaf rollers (Lepidoptera, Tortricidae) in the Ukraine. IU, O. Kostuk. Dop. AN URSR no 4: 533-536 '65.

#### UKRAINE—MACHINERY INDUSTRY—MANAGEMENT

In a regional economic council; introducing scientific labor organization in enterprises. Sots. trud 10 no 2: 145-146 '65.

#### UKRAINE—MERCURY

Mercury vapors in the Nikolovka oil field. M. A. Karasik, A. P. Bol'shakov. Dokl. AN SSSR 161 no 5: 1201-1204 Ap '65.

#### UKRAINE—METALLURGICAL PLANTS

Organizing the assembly of the equipment of the Dzerzhinskii No. 2 sintering plant. N. F. Zernitskiy. Prom. stroi i inzh. soor. 6 no 2: 6-9 Mr-Ap '64.

#### UKRAINE—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Assembling the structural elements of a sintering plant. N. Kozlova, V. Babich. Prom. stroi i inzh. soor 6 no 2: 5-7 Mr-Ap '64

#### UKRAINE—METEOROLOGY, AGRICULTURAL

Calculation of the amount of rainfall for the postharvest and stubble corn crops in the southern Ukraine A. II. Potoker. Meteor i gidrol. no 6: 31-33 Je '65.

#### UKRAINE—MICROBIOLOGICAL RESEARCH

Current tasks of the Institute of Microbiology and Virology of the Academy of Sciences of the Ukrainian S. S. R. Mikrobiol. zhur. 28 no 3: 3-5 '64.

#### UKRAINE—MINERALS

Accessory and trace elements in the minerals of gabbro-norite-labradorite rocks in the Ukraine. T. N. Agafonova. Min sbor. 10 no. 2:235-239 '64.

#### UKRAINE—MISCONDUCT IN OFFICE

The criteria of the offender in criminal acts of officials. O. Svetlov. Rad pravo 28 no. 2:103-107 Mr-Apr '65.

#### UKRAINE—MOTION PICTURES, DOCUMENTARY

Bohdan, K. I. [With a motion-picture camera through the Ukraine] Z kinoaparatom po Ukraini. Kyiv, Mystetstvo, 1965, 130 p. illus.

#### UKRAINE—OIL WELL DRILLING

Efficiency of drilling wells of various diameters in the Ukrainian S. S. R. M. I. Batanovskii. Buzenie no. 5:16-20 '64.

#### UKRAINE—PALEOBOTANY, STRATIGRAPHIC

New data on vegetation in the southern part of the Ukraine during the Pontian. N. A. Shchekina. Dokl. AN SSSR 162 no. 1:807-900 Je '65.

#### UKRAINE—PARENT AND CHILD

First in the Ukraine. R. U. Piliudsh. Rad shk. 44 no. 5:65-68 My '65.

#### UKRAINE—PEGMATITES

Mineralogical characterization of basic pegmatites from the Golovino quarry. Z. M. Lashkovich, I. M. Mel'nik. Min. sbor. 18 no. 2:210-222 '64.

#### UKRAINE—PHOTOGRAPHY—EXHIBITIONS

[Photo 1963] Foto 1963. [Kyiv, Mystetstvo, 1964, 4 p. 57 photo [In Ukrainian and Russian]]

#### UKRAINE—PHYSICS—RESEARCH

Development of scientific research in the field of physics in the universities of the Ukrainian S. S. R. Dop. AN URSR no. 5:677-678 '65.

#### UKRAINE—PNEUMOCOCCUS—CULTURES AND CULTURE MEDIA

Properties of *Diplococcus septicus* strains isolated in the Ukraine. K. P. Chepurov, M. M. Kni'chenko. Mikrobiol. zhur. 26 no. 3:62-65 '64.

#### UKRAINE—POLICE

Procedural status of organs of inquiry and persons who conduct it. M. Hurs'kyi. Rad. pravo 20 no. 3:90-93 My-Je '65.

Rogozhin, A. I. [Worker and peasant Soviet militia of the U. S. S. R. in the period of the foreign military intervention and the civil war, outline of lectures] Rukhokrest'ianskaya sovetskaya militsiya USSR v period mostannoi voennoi interentsii i grazhdanskoi volny; konspekt lektsii. Khar'kov, Khar'kovskii lurid, in-t, 1964, 28 p.

#### UKRAINE—POWER ENGINEERING

Objectives of the power engineering workers of the Ukrainian S. S. R. G. A. Klitsenko. Ener. i elektr. otek. prom. no. 1:3-1 Ja-Mr '65.

#### UKRAINE—PRICKLY PEAR

Study of prickly pears in the Ukraine. S. N. Prikhod'ko, I. K. Musat. Biol. Ghy. bot. nado no. 50:101-103 '64.

#### UKRAINE—PRINTING

Results of a competition in the Ukraine. I. A. Korobov. Poligrafia no. 3:34 Mr '65.

#### UKRAINE—PROPERTY

Civil law issues of the struggle against the misuse of personal property rights. I. Tashkar. Rad. pravo 28 no. 3:74-78 My-Je '65.

#### UKRAINE—PUBLIC PROSECUTORS

Chronicle. Rad. pravo 20 no. 2:157-159 Mr-Apr '65. Let us intensify the procuratorial supervision over the observance of the laws on the employment of minors. V. Shaposhnykov. Rad. pravo 20 no. 2:46-48 Mr-Apr '65.

Our helpers. V. Savolskiy and others. Rad. pravo 28 no. 2:38-42 Mr-Apr '65.

Raise the qualifications of the procuratorial investigation staff. I. Korchak. Rad. pravo 28 no. 3:21-25 My-Je '65.

#### UKRAINE—REINFORCED CONCRETE PRODUCTS

Recent developments in the designing of plants for the manufacture of reinforced concrete products. G. Labenets. Prom. stroit. i inzh. sbor. 6 no. 2:1-4 Mr-Apr '64.

#### UKRAINE—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Ukrainian materials in the Literary Archives of the National Museum in Prague. F. Pohrebennyk. Rad. lit. 9 no. 4:84-86 Ap '65.

#### UKRAINE—RESEARCH

Summary of the activity of the institutions of the Sections of Physicochemical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S. S. R. in 1964. Dop. AN URSR no. 4:537-538 '65.

#### UKRAINE—REVOLUTION, 1917-1921

From the history of the Behind-the-Front Bureau of the Central Committee of the Communist Party (Bolshevik) of the Ukraine in 1919. S. I. A. Sluchevska. Ukr. ist. zhur. 8 no. 6:93-97 N-D '64.

Rogozhin, A. I. [Worker and peasant Soviet militia of the U. S. S. R. in the period of the foreign military intervention and the civil war, outline of lectures] Rukhokrest'ianskaya sovetskaya militsiya USSR v period mostannoi voennoi interentsii i grazhdanskoi volny; konspekt lektsii. Khar'kov, Khar'kovskii lurid, in-t, 1964, 28 p.

When was the Extraordinary Commission to Organize the Struggle Against the Counterrevolution in the Ukraine created? A. Rogozhin, L. Maimoskulov. Rad. pravo 28 no. 2:108-110 Mr-Apr '65.

#### UKRAINE—RICE

Economic efficiency of rice production in the southern Ukraine. H. Popovych, V. Ieshchenko. Ekon. Rad. Ukr. 8 no. 1:65-69 Ap '65.

#### UKRAINE—SALES

Material liability for default in selecting or for the refusal to accept goods. V. Luta'. Rad. pravo 28 no. 3:86-90 My-Je '65.

#### UKRAINE—SCIENCE

Summary of the activity of scientific institutions of the Sections of Chemico-technological and Biological Sciences of the Presidium of the Academy of Sciences of the Ukrainian S. S. R. in 1964 and their tasks for 1965. Dop. AN URSR no. 4:538-542 '65.

#### UKRAINE—SEX CRIMES

Examination or expert testimony? G. Vul'fin, R. Tevlin. Rad. pravo 28 no. 2:90-100 Mr-Apr '65.

#### UKRAINE—SHOE INDUSTRY—ACCOUNTING

School of progressive practice in accounting and analysis. Budg. uchast. 21 no. 10:75-78 O '64.

#### UKRAINE—SMELTING—COSTS

Analysis of the cost of basic pig iron smelted in blast furnace plants of the Ukrainian S. S. R. V. F. Bragin. Met. i gornorud. prom. no. 2:3-8 Mr-Apr '65.

#### UKRAINE—SNAILS, FOSSIL

New species of the *Ellobius* Fisher (Rodentia, Microtidae) from the Upper Pliocene sediments in the southern part of the Ukraine and the Crimea. V. O. Topachevskiy. Dop. AN URSR no. 4:515-518 '65.

#### UKRAINE—SOFT DRINKS

Prospects of the development of the brewing and soft drinks industry in the Ukrainian S. S. R. during the period from 1966 to 1970. F. D. Deinha. Khar. prom. no. 2:8-9 Ap-Je '65.

#### UKRAINE—STANDARDIZATION

Ukrainian conference on standardization. Standartizatsiya 29 no. 3:50-52 Mr '65.

#### UKRAINE—STATE FARMS—FINANCE

Make sure that law is observed in agriculture. M. Danchenko. Rad. pravo 28 no. 2:83-88 Mr-Apr '65.

#### UKRAINE—STEEL INDUSTRY

Current problems of developing ferrous metallurgy in the Ukraine. M. Tereshchenko. Ekon. Rad. Ukr. 8 no. 4:21-26 Ap '65.

#### UKRAINE—STEEL INDUSTRY—PRICES

Wholesale prices for new products. I. Zdonov, R. Samoilovych. Ekon. Rad. Ukr. 8 no. 4:33-37 Ap '65.

#### UKRAINE—STUDENT AID

Relief for students and apprentices holding jobs. V. Heikhsen. Rad. pravo 28 no. 2:80-93 Mr-Apr '65.

#### UKRAINE—SUGAR BEETS—IRRIGATION

Effect of the various forms of mineral fertilizers on the yield of sugar beets in deep Chernozems under irrigation conditions. S. M. Gurevich, N. K. Boronin. Agrokhimia no. 3:35-42 Mr '63.

#### UKRAINE—SWINE—DISEASES AND PESTS

Problem of studying the etiology of infectious gastroenteritis in swine. E. A. Krasnobayev. Trudy mol. uch. UASHN no. 9:63-70 '63.

#### UKRAINE—TEACHING

Republic-wide pedagogical readings in the Ukraine. D. Lipnitskii. Prof.-tekh. obr. 22 no. 4:5 Ap '65.

#### UKRAINE—TECHNICAL EDUCATION

Training of technical industrial intelligentsia in the institutes and higher technical schools of the Ukrainian S. S. R., 1933-1937. V. P. Bashevoi. Ukr. ist. zhur. 8 no. 6:89-93 N-D '64.

#### UKRAINE—THEATER

Ura, H. P. [Life and the stage] Zhyttia i scena. Kyiv, Mystetstvo, 1962, 216 p.

#### UKRAINE—TRACE ELEMENTS

Accessory and trace elements in the minerals of gabbro-norite-labradorite rocks in the Ukraine. T. N. Agafonova. Min. sbor. 18 no. 2:235-239 '64.

#### UKRAINE—TULAREMIA

Natural foci of tularemia on the territory of the Ukrainian S. S. R. V. M. Slupinskaya and others. Zhur. mikrobiol., epid. i immun. 41 no. 10:84-98 '64.

#### UKRAINE—VERTEBRATES, FOSSIL

Taphonomic characteristics of fossil land vertebrates in the Simakiyo and Tarkhanuk cave deposits. H. O. Bachyn'skyi. Dop. AN URSR no. 5:658-661 '65.

#### UKRAINE—VETERANS, DISABLED

State of the medical care for invalids of the Great Patriotic War in the Ukrainian S. S. R. I. P. Alekseenko, V. N. Levenets, Z. V. Kruk. Ortop. travm. i protez. 26 no. 2:42-46 F '65.

#### UKRAINE—VIRUS RESEARCH

Current tasks of the Institute of Microbiology and Virology of the Academy of Sciences of the Ukrainian S. S. R. Mikrobiol. zhur. 26 no. 3:3-5 '64.

#### UKRAINE—VITICULTURE

Distribution and specialization of fruit culture and viticulture in the Ukraine. D. Chukhno. Ekon. Rad. Ukr. 8 no. 4:60-65 Ap '65.

#### UKRAINE—WATER—COMPOSITION

Some laws of the formation of the ion-salt composition of water in ponds of the Ukrainian S. S. R. A. D. Komenko. Gidrobiol. zhur. 1 no. 1:42-51 '65. Study of free  $\alpha$ -amino acids in the bodies of water of the Ukraine. I. U. G. Malashenko. Gidrobiol. zhur. 1 no. 1:70-72 '65.

#### UKRAINE—WHEAT

Optimal soil moisture and productivity of wheat plants of various ages. A. I. Zadontsev, V. I. Bondarenko, M. M. Povrik. Dokl. Akad. sei'khoz. nauk no. 3:1-8 Mz '65.

#### UKRAINE—WINDBREAKS, SHELTERBELTS, ETC.

Growth of tree species in young tree belts without shrubs on dark chestnut soils in the Ukraine. I. M. Torokhtian. Sbor. nauk. i issl. rab. VNIILMI no. 28:82-86 '60.

#### UKRAINE—WINE AND WINE MAKING

Winemaking industry of the Ukrainian S. S. R. P. H. Krasniuk. Khar. prom. no. 2:3-7 Ap-Je '65.

#### UKRAINE—WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Contribution of Ukrainian workers to the defeat of German fascist occupiers. K. Dubina. Komm. Ukr. 30 no. 5:26-35 My '65.

#### UKRAINE, WESTERN—COMMUNIST PARTY OF THE SOVIET UNION

Fourth Congress of the Communist Party of the Western Ukraine, on its 30th anniversary. H. M. Ordov'ska, P. M. Ilatyky. Ukr. ist. zhur. 8 no. 6:126-130 N-D '64.

#### UKRAINE, WESTERN—ECONOMIC CONDITIONS

Some problems of the building of socialism in the western regions of the Ukrainian S. S. R. I. P. Bohodist. Ukr. ist. zhur. 8 no. 6:55-62 N-D '64.

#### UKRAINE, WESTERN—MEDICAL GEOGRAPHY

Regional academic and practical conference on the problems of medical geography in the city of Lvov. A. I. Zavadovskii. Izv. Vses. geog. ob-va 97 no. 2:203-204 Mr-Apr '65.

#### UKRAINE, WESTERN—MINERALS

Study of the core of oil- and gas-bearing rocks in the western regions of the Ukraine. M. B. Rypun. Dop. AN URSR no. 4:501-504 '65.

#### UKRAINE, WESTERN—SUGAR BEET MACHINERY

Technology of growing sugar beets in the western province of the Ukraine. I. Denisenko. Tekh. i sel. khoz. 25 no. 4:6-9 Ap '65.

#### UKRAINIAN ART see Art, Ukrainian

#### UKRAINIAN DRAMA—HISTORY AND CRITICISM

Image of Lenin in Ukrainian dramaturgy. I. H. Kostuk. Rad. lit. 9 no. 4:11-19 Ap '65.

#### UKRAINIAN LANGUAGE—DIALECTS

(see also subdivision under Turka District, Lvov Province)

Akademika nauk URSR, Kiev. Institut moyoznavstva. [Territorial dialects and proper names] Territorialni dialekty i vlastni nazvy. Kyiv, Naukova dumka, 1965, 286 p.

Rospublikanska dialektologichna narada, 11th. [Transactions of the 11th Republic Dialectological Conference] Pratsi. Kyiv, Naukova dumka, 1965, 225 p.



# UKRAINIAN LANGUAGE—PHONOLOGY

Historical changes of differential signs in the system of vowel phonemes in Old Russian and Ukrainian. I. I. Kovalyuk. *Visnyk L'viv. un. Ser. filol.* no. 183-90 '63.

# UKRAINIAN LANGUAGE—SPOKEN UKRAINIAN

Akademii nauk USSR. Kiev. Instytut movoznavstva. [Regular development of spoken literary Ukrainian]. Zakonomirnosti rozvytku ukrains'koho usnoho literaturnoho movlenia. Kyiv, Naukova dumka, 1965. 309 p.

# UKRAINIAN LANGUAGE—SYNTAX

Incomplete sentences in the language of I. Franko's prose. I. Z. Potlychnyi. *Visnyk L'viv. un. Ser. filol.* no. 191-95 '63.

# UKRAINIAN LANGUAGE—VOWELS

Determining the articulation of the Ukrainian "y." P. P. Kostyuba. *Visnyk L'viv. un. Ser. filol.* no. 1124-125 '63.

# UKRAINIAN LITERATURE—HISTORY AND CRITICISM

At Uzhgorod University. V. M. Rad lit. 9 no. 4 '66.

# UKRAINIAN NAMES see Names, Ukrainian

# UKRAINIAN REVOLUTIONISTS see Revolutionists, Ukrainian

# UKRAINIAN SATIRE see Satire, Ukrainian

# UKRAINIANS

Number and proportion of the Ukrainian population on the territory of the U.S.S.R., 1795-1959. V. M. Kabuzan, G. P. Malinova. *Ist. SSSR* 9 no. 128-37. Ja-F '65.

# UKRAINKA, LESIA, 1871-1913

Kukharskyi, K. P. [Lesia Ukrainka as publicist]. *Lesia Ukrainka - publicyst*. Kyiv, Dnipro, 1965. 246 p.

Lesia Ukrainka's use of a Shakespearean motif. M. I. Rudnyts'kyi. *Visnyk L'viv. un. Ser. filol.* no. 140-49 '63.

# ULAN—CIVIL DEFENSE—STUDY AND TEACHING

Its own characteristics. I. T. Ulanov. *Voen. znani.* 41 no. 6-28. Je '65.

# ULANOVA, GALINA SERGEEVNA, 1910—FICTION

Sizova, M. I. [Story of a girl]. *Istoria odnoy devojchki*. Kiev, Dnipro, 1963. 162 p.

# ULCERS

Results of surgical treatment in perforating gastric duodenal ulcers. L. D. Reshetov. *Vest. khim.* 93 no. 12:14-17. D '64.

Two successful cases of autoplasty in radiation ulcers using free skin grafts. I. I. Antonov. *Med. rad.* 9 no. 7:20-22. Ji '64.

# UL'IANOV FAMILY

Library of the Ul'ianov family. A. Karamyshov. *Bibliotekar'* 42 no. 4:5-8. Ap '65.

Moral education in Ul'ianov family. A. L. Karamyshov. *A i Tomyi*. Sov. pedagog. 29 no. 4:71-80. Ap '65.

Ul'ianov family and the education of Chuvashs. N. G. Krasnov. *Sov. pedagog.* 29 no. 4:81-85. Ap '65.

# ULMACEAE, FOSSIL see subdivision under Suiyuan Valley

# ULTRASONIC COAGULATION

Acoustical coagulation of cement paste. M. A. Shalimov. *Inzh.-fiz. zhur.* 8 no. 3:364-368. Mr '65.

# ULTRASONIC TESTING

Imashechikov, V. S. [Ultrasonic and sonic methods of investigating rocks]. *Ul'trazvukovye i zvukovye metody issledovaniia gornykh porod*. Pod nauchn. red. V. V. Rzhavskogo. Moskva, Mosk. in-t radioelektroniki i gornoj elektromekhaniki, 1964. 70 p. [MICROFILM]

Single-rail defectoscope. V. B. Kozlov, V. P. Mukhin. *Puti put. khoz.* 9 no. 5:26-28. '65.

# ULTRASONIC WAVES

Effect of ultrasound on the coagulation structures of aqueous dispersions of kaolinite and monothermite. N. N. Kruglitskii and others. *Dokl. AN SSSR* 162 no. 4:861-864. Je '65.

Study on the production of tinctures from glycoside-containing plant material using ultrasonics. H. A. Valsman and others. *Farmatsev. zhur.* 18 no. 1:44-49. '64.

Time dependence of the establishment of equilibrium magnetization of a nuclear spin system under the action of ultrasound. A. M. Sazonov, S. B. Grigor'ev. *Fiz. tverd. tela* 7 no. 5:1389-1392. My '65.

Ultrasonic cardiology. M. N. Tumanyan, V. I. A. Garmash. *Sov. med.* 28 no. 5:29-33. My '65.

# ULTRASONIC WAVES—EFFECT ON PLANTS see Plants, Effect of ultrasonic waves on

# ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Application of ultrasonic waves in the cleaning of the waste catcher tubes of spinning machinery. V. I. Egorov, Z. S. Feigin, V. A. Sakharov. *Tekst. prom.* 25 no. 5:32-34. My '65.

Controlling the verticality of mine shafts by the ultrasonic location method. B. I. Leibenzon. *Shakht. stroi.* 9 no. 4:8-10. Ap '65.

Effect of high-frequency vibrations on the process of static torsion of some metals and alloys. F. G. Komarov. I. C. Dvuglavo. E. I. Romizovskii. *Dokl. AN SSSR* 9 no. 2:91-93. F '65.

Effect of surface-active agents on processes of ultrasonic treatment of metals. N. V. Kurochkin, V. I. Ikhman. *Dokl. AN SSSR* 162 no. 3:519-521. My '65.

Effect of the steady flow profile on the error of ultrasonic flowmeters. S. S. Kivlits, V. A. Reshetnikov. *Izm. tekhn.* 3:52-54. Mr '65.

Effect of ultrasonic vibrations on fruit and vegetable juices. A. I. Zolotova. *Izv. vys. ucheb. zav., plishch. tekhn.* no. 1:80-82. '65.

Effect of ultrasonic vibrations on the decomposition rate of aluminate solutions. V. N. Tikhonov, S. I. Kuznetsov. *TSvet. met.* 38 no. 4:52-55. Ap '65.

Lipkin, I. A. N., A. M. Sokol, and O. I. Shkola. [Ultrasonic cleaning of pipes]. *Ul'trazvukovaya oshistka trub*. Leningrad, 1965. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seria: Elektrificheskoe i elektrokhimicheskoe metody obrabotki metallov)

Obtaining petroleum oil mixed with sulfur and used as cutting oil [sul'fofrezol] using ultrasonic waves. P. G. Alzenstam, I. N. Bulatov, A. I. Sobolev. *Nefteprom.* 3:20-24. '65.

Preparation of aqueous solutions of allyl chloride in a hydroacoustic field. A. E. Klucharev and others. *Trudy MKHM* 26:131-136. '61.

Studying the application of elastic vibrations in laundering. A. I. Gishnev. *Sbor. nauch. rab. AKKH* no. 7:15-31. '61.

Ultrasonic treatment of the nutrient medium in the production of fodder biocycin. M. I. A. Purnai. *Ferm. i ept. prom.* 31 no. 1:33-35. '65.

Using ultrasonics in wine making. A. Abramian. *Prem. Arm.* 8 no. 3:28-30. Mr '65.

Using ultrasound for the removal of acum in heat exchangers. T. P. Tatarul'eva. *Met. i gornorud. prom.* no. 2:75. Mr-Ap '65.

Vasil'ev, V. V. [Use of ultrasound in analytical chemistry, a report presented at the meeting of the Section of Ultrasound of the Leningrad House of Scientific and Technical Propaganda held January 13, 1964]. *Primenenie ul'trazvuka v analiticheskoi khimii*, doklad na zasedanii sektora ul'trazvuka Leningradskogo Doma nauchno-tekhnicheskoi propagandy 13 yanvara 1964 g. Leningrad, 1965. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen nauchno-tekhnicheskimi opytami. Seria: Elektrificheskoe i elektrokhimicheskoe metody obrabotki metallov)

# ULTRASONIC WAVES—MEASUREMENT

Improving ultrasonic measurements. A. Vinogradov. *Avt. dor.* 28 no. 4:27. Ap '65.

# ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic waves on acute inflammation during various periods of their application. M. M. Smyk. *Pat. fiziol. i eksp. terap.* 9 no. 2:83-85. Mr-Ap '65.

Effect of ultrasonic waves on the lapsed virus of cattle plague. A. S. Okovyiti. *Vop. vet. virus.* 1:73-79. '64.

Effect of ultrasound on a nerve and single nerve fiber. P. O. Makarov, A. V. Lonskii. *Biophysika* 10 no. 1:181-184. '65.

Isolation of antigens from leptospira destroyed by ultrasonics. A. S. Samodov, T. M. Akhmedova, S. G. Kosedova. *Zhur. mikrobiol., epid. i immunit.* 42 no. 4:57-60. Ap '65.

Submicroscopic changes in Brown-Pearce tumor cells after the action of ultrasonic waves of high intensity. N. P. Dmitrieva. *TSitologiya* 4 no. 5:558-562. S-O '62.

# ULTRASONIC WELDING

Kholopov, I. U. V. [Technology of ultrasonic welding]. *Tekhnologiya ul'trazvukovoi svarki*. Leningrad, 1965. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seria: Elektrificheskoe i elektrokhimicheskoe metody obrabotki metallov)

# ULTRAVIOLET RAYS

Chemical modification of tyrosin under the effect of irradiation by ultraviolet light. V. N. Lusikov. *Izv. AN SSSR, Ser. khim.* no. 3:559-561. '65.

# ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Age-related characteristics of vasomotor reactions during ultraviolet irradiation. M. P. Titarenko, S. E. Baraz. *Vop. geront. i geriat.* 4:244-246. '65.

Cross-linkages and locally denatured areas induced in double-strand DNA by ultraviolet rays of different wavelengths. A. P. Snych, G. B. Zavil'ge'skii. *Dokl. AN SSSR* 162 no. 4:952-955. Je '65.

Development of the resistance to ultraviolet irradiation in bacteria of the *Salmonella* group. V. M. Kovbasenko. *Mikrobiol. zhur.* 28 no. 3:43-46. '64.

Irradiation of *A. aureofaciens* spores with ultraviolet rays. M. I. A. Purnai, G. A. Udovskis. *Ferm. i apit. prom.* 31 no. 3:38-39. '65.

Variability of the antagonistic properties of *Streptococcus* lactis under the influence of ultraviolet rays and some mutagenic substances. V. I. Sudenko. *Mikrobiol. zhur.* 26 no. 3:37-43. '61.

# ULTRAVIOLET SPECTRUM see Spectrum, Ultraviolet

# UL'YANOVSK PROVINCE—COLLECTIVE FARMS

Svobodin, V. A. [Determining optimal sizes for collective farms (as exemplified by Ul'yanovsk Province), author's abstract of a dissertation for the degree of Candidate of Economics]. *Ustanovlenie optimal'nykh razmerov kollektivov (na primere Ul'yanovskoi oblasti)*, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata ekonomicheskikh nauk. Moskva, Vses. nauchnoissl. in-t ekonomiki sel'skogo khoz., 1963. 20 p. [MICROFILM]

# UL'YANOVSK PROVINCE—COOPERATIVE SOCIETIES

In Lenin's homeland. S. Zharkov. *Sov. potrebn. koop.* 9 no. 4:9-10. Ap '65.

# UL'YANOVSK PROVINCE—FARM PRODUCE—TRANSPORTATION

Need of supplementary specific provisions re the delivery of goods. Z. Samsonova. *Sov. rust.* 29 no. 7:24-25. Ap '65.

# UL'YANOVSK PROVINCE—HUNTING

State deliveries of fur and game meat should have one boss. I. Gulinaev. *Zakup. sel'khoz. prod.* no. 3:40. Mr '65.

# UL'YANOVSK PROVINCE—SOILS—MAPS

From the practices of the agrochemical mapping of soils. I. F. Noll'. *Agrokhimia* no. 1:89-94. Ja '65.

# UNDERDEVELOPED AREAS—ECONOMIC POLICY

Ways of the economic progress of the developing countries. V. Solodovnikov. *Mit. ekon. i mezhdunar. otn.* no. 6:14-22. '65.

# UNDERDEVELOPED AREAS—INVESTMENTS, FOREIGN

Foreign financing of the developing countries. L. Frel. *Vnesh. torg.* 45 no. 5:23-28. '65.

Ways of the economic progress of the developing countries. V. Solodovnikov. *Mit. ekon. i mezhdunar. otn.* no. 6:11-22. '65.

# UNDERDEVELOPED AREAS—POLITICS

Lenin and the noncapitalist way of development. G. Klim. *Az. i Afr. seg.* 8 no. 4:2-6. Ap '65.

The national liberation movement and the noncapitalist way. K. Ivanov. *Mezhdunar. zhizn'* 12 no. 5:59-73. My '65.

Some conclusions from the discussion on the problems of the noncapitalist ways of development. *Vop. ist. KPSS* 9 no. 8:55-64. Je '65.

The world in 1965. *Mezhdunar. zhizn'* 12 no. 5:145-147. My '65.

# UNDERGROUND CONSTRUCTION

Experimental investigation of soil pressure on an underground structure subjected to static and dynamic actions. A. A. Melikyan. *Soob. AN Gruz. SSR* 28 no. 5:553-560. My '62.

# UNDERGROUND STRUCTURES—CORROSION see subdivision under France

# UNDERGROUND WATER see Water, Underground

# UNDERWATER BLASTING see Blasting, Underwater

# UNDULANT FEVER see Brucellosis

# UNION AFRICAINE ET MALGACHE see African and Malagasy Union

# UNION OF SOVIET SOCIALIST REPUBLICS see Russia

# UNION REPUBLICS—COURTS

In the supreme courts and procuracies of the Union Republics. *Sots. zakon* 42 no. 5:87-88. My '65.

# UNION REPUBLICS—PUBLIC PROSECUTORS

In the supreme courts and procuracies of the Union Republics. *Sots. zakon* 42 no. 5:87-88. My '65.

# UNIONIDAE see subdivision under Bol'shoy Shartash, Lake

# UNITED NATIONS

Amendments to the Charter of the United Nations ratified by the Ukrainian S.S.R. K. Zhabgallo. *Rad. pravo* 28 no. 3:115-118. My-Je '65.

Telefalestiers. L. Velichanskii. *Nov. vrem.* 22 no. 20:19. My '65.

United States against the United Nations. V. Shostov. *Mezhdunar. zhizn'* 12 no. 5:103-112. My '65.

# UNITED STATES—AIR FORCE

Saboteurs in American uniforms. I. Viktorov. *Kryl. rad.* 16 no. 3:31. Mr '65.

#### UNITED STATES—ARMY—SANITARY AFFAIRS

Some views on the effect of high temperature of the air on the organism and the prevention of heat-caused lesions in the U.S.A. army, a review of literature. M. P. Shek. Voen.-med. zhur. no 9:15-16 '61.

#### UNITED STATES—BIG BUSINESS

Men'shikov, S. M. [Millionaires and managers; the modern structure of the financial oligarchy in the U.S.A.] Millionery i menedzhery, sovremennaya struktura finansovoi oligarkhii SSHA. Moskva, Mysl', 1965. 454 p.

#### UNITED STATES—BUSINESS CYCLES

Khabluk, V. P. [Characteristics of the postwar cycle in the U.S.A., author's abstract of a dissertation for the degree of Candidate of Economic Sciences] Osobennosti poslevoennogo tsikla v SSHA, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata ekonomicheskikh nauk. Nauchn. rukovoditel' V. S. Afanas'ev, Moskva, Mysl', 1961, 19 p.

[MICROFILM]

#### UNITED STATES—CAPITAL INVESTMENTS—ACCOUNTING

Moscow, Nauchno-issledovatel'skii ekonomicheskii Institut. [Structure of capital investments in the U.S.S.R. and the U.S.A., analysis and methods of comparison] Struktura kapital'nykh vlozhenii SSSR i SSHA, analiz i metody srovnaniya. Pod obshch. red. V. P. Krasovskogo i A. S. Tol'kacheva, Moskva, Ekonomika, 1965. 250 p.

#### UNITED STATES—CHEMICAL WARFARE

The peoples demand; put an end to the dirty war! Az. i Afr. seg. 8 no. 4:20-21 Apr '65.

#### UNITED STATES—CHEMICALS—TRANSPORTATION

Shipments of chemical cargoes in the river transportation of the United States. L. Zhivilova. Rech. transp. 24 no. 4:59-60 '65.

#### UNITED STATES—COLLECTIVE LABOR AGREEMENTS—STEEL INDUSTRY

The "Kaiser plan." A. Kondashka. Mh. ekon. i mezhdunar. otn. no 6:110-116 '65.

#### UNITED STATES—CONSTRUCTION INDUSTRY

Construction in the U.S.A. V. Nazarevskii. Mh. ekon. i mezhdunar. otn. no 6:120-120 '65.

#### UNITED STATES—COST ACCOUNTING

The American system of standard cost accounting. S. Stukov. Bukhg. uch. 21 no. 10:83-86 O '64.

#### UNITED STATES—DRINKING WATER—PURIFICATION

Toxicological characteristics of industrial polyacrylamide. N. A. Rakhmanina. Nauch. trudy AKKH no 22 '63. Vod. no. 3:59-60 '63.

#### UNITED STATES—EDUCATION, COOPERATIVE

Discussion in the United States on the content and methods of work instruction. III Z. Gnil'ukh, Sov. pedagog. 20 no. 5:128-135 My '65.

#### UNITED STATES—ELECTIONS

The most heinous privilege. L. Zlobin. Komm. Ukr. 30 no. 5:86-91 My '65.

#### UNITED STATES—FEEDS

Feed resources of the U.S.A. V. Nazarenko. Ekon. sel'kh. 40 no. 4:112-115 Ap '65.

#### UNITED STATES—FINANCE

Men'shikov, S. M. [Millionaires and managers; the modern structure of the financial oligarchy in the U.S.A.] Millionery i menedzhery; sovremennaya struktura finansovoi oligarkhii SSHA. Moskva, Mysl', 1965. 454 p.

#### Zhuravlev, V. G. [Finances of the United States of America]

Finansy Soedinennykh Shhtatov Ameriki. Moskva, Mosk. finansovyi in-l, 1962. 63 p.

[MICROFILM]

#### UNITED STATES—FOREIGN ECONOMIC RELATIONS—CANADA

A trend of the economic expansion of the U.S.A. V. Gokhman, L. Karpov, V. Kovalovskii. Mir. ekon. i mezhdunar. otn. no 6:62-70 '65.

#### UNITED STATES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

Lozluk, M. I. [Latin America and the U.S.A.; aggravation of economic contradictions] Latyn'ska Ameryka i SSHA; posyleniia ekonomicheskikh suprotivlenii. Kyiv, Naukova dumka, 1965. 296 p.

Trasov, K. S. [Alliance for the sake of plunder] Soluz radi grabozh. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v zhizni, nauka, tekhnika. III Seriya: Ekonomika, no. 6)

#### UNITED STATES—FOREIGN ECONOMIC RELATIONS—ASIA, SOUTHEASTERN

The danger is growing. L. Kiochovskii. Az. i Afr. seg. 8 no. 4:17-19 Ap '65.

#### UNITED STATES—FOREIGN RELATIONS

Akademiya nauk SSSR. Institut imenoi ekonomiki i mezhdunarodnykh otnoshenii. [Motives for U.S. foreign policy] Dvizhushchie silы vneshnei politiki SSHA. Moskva, Nauka, 1965. 526 p.

The art of self-deception: a feuilleton. Boris Leont'ev. Nov. vrem. 23 no. 21:21 Je '65.

Foreign policy of the U.S.A.: motive forces and trends. I. L. Lemin. Mh. ekon. i mezhdunar. otn. no 6:23-37 '65.

Legitimate alarm. Nov. vrem. 22 no. 12:1-2 My '65.

United States against the United Nations. V. Shestov. Mezhdunar. zhizn' 12 no. 5:103-112 My '65.

#### UNITED STATES—FOREIGN RELATIONS—EUROPE, WESTERN

A shaky alliance; the problem of "special relations" with America. I. L. Lemin. Mezhdunar. zhizn' 12 no. 5:80-86 My '65.

#### UNITED STATES—FOREIGN RELATIONS—RUSSIA

The party's Leninist policy on socialist revolution and American imperialism. A. V. Boezkin. Vop. ist. KPSS 9 no. 6:30-51 Je '65.

Unrepayable debt. Harry Freeman. Nov. vrem. 22 no. 20:16-18 My '65.

#### UNITED STATES—GAS WELL DRILLING

Drilling for oil and gas in the United States. I. A. Stefanov. Trudy VNIIB' no 14:208-215 '65.

#### UNITED STATES—GLIDING AND SOARING

Flight into the distance. Kryl. rod. 16 no. 3:22-23 M '65.

#### UNITED STATES—ICE-BREAKING VESSELS

Cruise of the American icebreaker "Northwind" in the Arctic. A. I. Ilnitskii. Probl. Arkt. i Antarkt. no 19: 69-71 '65.

#### UNITED STATES—INDUSTRIAL STATISTICS

Oxley, N. A., and S. A. Kheisman, eds. [U.S.A. industry in 1929-1965, technical and economic trends and structural changes] Promyshlennost' SSHA v 1929-1965 gg.; tekhniko-ekonomicheskie tendentsii i strukturnyye sdvigi. [By] L. A. Beril i dr. Moskva, Ekonomika, 1965. 406 p.

#### UNITED STATES—INLAND WATER TRANSPORTATION

Shipments of chemical cargoes in the river transportation of the United States. L. Zhivilova. Rech. transp. 24 no. 4:59-60 '65.

#### UNITED STATES—INTELLIGENCE SERVICE

American intelligence service as a tool of adventures and provocations. V. Troshin, I. I. Ioskov. Kommunist 42 no. 8:112-119 My '65.

#### UNITED STATES—MEDICINE, NAVAL

Some problems of the medical care in the U.S. Navy. A. A. Shipkin. Voen.-med. zhur. no. 7:85-88 '64.

#### UNITED STATES—MILITARY POLICY

NATO and the "limited war" plans in Europe. B. Teplovskii. Nov. vrem. 23 no. 23:7-9 Je '65.

Shaboturs in American uniforms. I. Viktorov. Kryl. rod. 16 no. 3:31 M '65.

Take to task the violators of international agreements. V. I. U. Rad. pravo 28 no. 3:118 My-Je '65.

#### UNITED STATES—NAVY—SANITARY AFFAIRS

Some data on the medical service of the United States Navy, based on data from foreign literature. A. A. Shipkin. Voen.-med. zhur. no. 6:82-88 '64.

#### UNITED STATES—OIL WELL DRILLING

Drilling for oil and gas in the United States. I. A. Stefanov. Trudy VNIIB' no 14:208-215 '65.

#### UNITED STATES—PARACHUTING

August 1962. Orange Airfield. M. Golubkov, K. Petrov. Kryl. rod. 13 no. 3:22-23 M '62.

Our commentary. Kryl. rod. 18 no. 3:30 M '65.

#### UNITED STATES—PERSONALITY

Personality and the crisis of bourgeois ideology. I. A. Zamoshkin. Vop. filos. 19 no. 4:29-38 '65.

#### UNITED STATES—POLITICS AND GOVERNMENT

Federal government of the U.S.A. and state rights. A. Kiselev. Mir. ekon. i mezhdunar. otn. no. 6:129-131 '65.

#### UNITED STATES—POVERTY

The "Kaiser plan." A. Kondrashka. Mir. ekon. i mezhdunar. otn. no. 6:110-116 '65.

#### UNITED STATES—PRAGMATISM

Socialist ideology and the historical experience of peoples. T. I. Olizerman. Vop. filos. 19 no. 4:30-48 '65.

#### UNITED STATES—PROPAGANDA

Vorontsov, I. V. ["Disinformation" is also business; notes on the propaganda machinery of United States monopolies] Dezinformatsiya - eto tozhe biznes; zametki o propagandistskoi mashine monopolii SSHA. Moskva, Politizdat, 1965. 109 p. (Zapad nashikh dnei)

#### UNITED STATES—RACE QUESTION

The members of the Ku Klux Klan are becoming impudent. V. Kozlov. Mezhdunar. zhizn' 12 no. 5:126-127 My '65.

#### UNITED STATES—RADIO INDUSTRY—MANAGEMENT

Concentration and specialization of production in the radio industry of the U.S.A. P. M. Karlik, A. P. Gladov. Trudy TPI no 2:141-56 '65.

#### UNITED STATES—RELATIONS (MILITARY) WITH INDIA

Servants of the God of War. I. A. Nov. vrem. 23 no. 23: 28 Je '65.

#### UNITED STATES—RESEARCH, INDUSTRIAL

Feofanov, O. A. [Espionage in the service of business] Shpionazh radi biznesa. Moskva, Politizdat, 1965. 93 p.

#### UNITED STATES—SOCIAL PSYCHOLOGY

Personality and the crisis of bourgeois ideology. I. A. Zamoshkin. Vop. filos. 19 no. 4:29-38 '65.

#### UNITED STATES—SOCIAL SCIENCE RESEARCH

Let us face the facts. V. A. Ildov. Vop. filos. 19 no. 5:107-115 '65.

#### UNITED STATES—TECHNOLOGY AND CIVILIZATION

"Cybernetic revolution" and its reflection in the economics literature of the U.S.A. I. Dvorkin. Vop. ekon. no 5:98-109 My '65.

#### UNITED STATES—TELEVISION

Telefilms. L. Velichanskii. Nov. vrem. 22 no. 20: 10 My '65.

#### UNITED STATES—THEATER

Zlobin, G. P. [Contemporary dramaturgy in the U.S.A.; a critical review of the twenty years after the war] Sovremennaya dramaturgiya SSHA; kriticheski ocherk poslevoennogo dvadtsatiletia. Moskva, Vysshaya shkola, 1965. 95 p. (Sovremennaya zaubezhnaya literatura)

#### UNITED STATES—TRADE SECRETS

Feofanov, O. A. [Espionage in the service of business] Shpionazh radi biznesa. Moskva, Politizdat, 1965. 93 p.

#### UNITED STATES—TRADE UNIONS—OFFICERS

The masses rebel against the old-school trade-union leaders. John Dyer. Vsem. prof. dvizh. no. 3:31-33 My '65.

#### UNITED STATES—WATER-SUPPLY ENGINEERING

Water supply in the U.S.A. L. N. Fal'kovskii. Nauch. trudy AKKH no. 22 '63. Vod. no. 3:158-165 '63.

#### UNITED STATES—WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Khabluk, V. P. [Characteristics of the postwar cycle in the U.S.A., author's abstract of a dissertation for the degree of Candidate of Economic Sciences] Osobennosti poslevoennogo tsikla v SSHA, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata ekonomicheskikh nauk. Nauch. rukovoditel' V. S. Afanas'ev, Moskva, Mysl', 1964, 19 p.

[MICROFILM]

#### UNITS

Daydyov, V. Y. [Use of the new International Unit System in industry] Primenenie novoi Mezhdunarodnoi sistemy edinits v tekhnike. Moskva, Transport, 1964. 32 p.

[MICROFILM]

The SI system of units of physical quantities. B. G. Smirnov. Nauch. trudy TashGU no 262 Fiz. nauki no. 2:13-55 '64.

#### UNIVERSITIES AND COLLEGES

Borne by life. V. Denisov. Sov. voen. 47 no. 6:13 M '65.

[Handbook for students entering the institutions of higher learning of the U.S.S.R. in 1965] Spravochnik postupavshchikh v vysshie uchebnye zavedeniya SSSR v 1965 g. Moskva, Vysshaya shkola, 1965. 350 p.

#### UNIVERSITIES AND COLLEGES—ADMISSION

Institutions of higher learning will get good reinforcements. M. A. Prokof'ev. Vest. vys. shkoly 23 no. 4: 16-17 Ap '65.

#### UNIVERSITIES AND COLLEGES—ENTRANCE REQUIREMENTS

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. [Admission rules and entrance examination programs for students entering the institutions of higher learning of the U.S.S.R. in 1965] Pravila priema i programmy vstupitel'nykh ekzamenov dlia postupavshchikh v vysshie uchebnye zavedeniya SSSR v 1965 godu. Moskva, Vysshaya shkola, 1965. 78 p.

#### UNSAFONIFIABLE MATTER

Composition and amount of unsaponifiables-II obtained in the process of paraffin oxidation under industrial conditions. G. I. Moskvina, A. S. Drozdov, N. I. Deinskina. Mestlozhir. prom. 31 no. 4:21-25 Ap '65.

## UNSATURATED COMPOUNDS

- Addition of triorganosilanes to vinylthiynyl-*s*-furylcarbinol S I Sadykh-Zade, R Sultanov, B A Mamedova Dokl AN Azerb SSR 21 no 2 23-27 '65
- Highly unsaturated polymers Report No. 11 Monoatomic and diatomic alcohols, derivatives of *p*-diethynylbenzene, L B Fisher, I L Kosharevskii Izv AN SSSR Ser. Khim no 1 692-697 '65
- 1,3-Bipolar addition to unsaturated compounds Part 9 Addition of 1,3-diphenylisotriamine to alkylthioenynes and their analogs S I Radchenko, V N Chistolev, A A Petro, Zhur org khim 1 no 1 51-57 Ja '65
- Foliarographic study of unsaturated ketones Part 3: Structure and reactivity of aromatic  $\alpha, \beta$ -unsaturated ketones (Use of correlation equations) V D Bezuglyi, V F Lavrushin, G G Belous Zhur ob khim 35 no 4 605-613 Ap '65
- Reactions of carbon tetrachloride with unsaturated compounds in the presence of dicyclohexylperoxydicarbonate or azobisisobutyronitrile systems E TS Chukovskii, A V Komyshova, R Kh Freidlin, Izv AN SSSR Ser. Khim no 3 461-465 '65
- Synthesis and transformations of oxygen-containing organic and organosilicon unsaturated compounds I A Shpil'ko, B G Iusufov Dokl AN Azerb SSR 21 no 1 19-23 '65

## UPDIKE, JOHN

- Getting acquainted with Updike R Orlova Nov mir 41 no 5 260-264 My '65

## UPPER ATMOSPHERE see Atmosphere, Upper

## UPPER VOLGA ECONOMIC REGION—TEXTILE INDUSTRY—ACCOUNTING

- Account thoroughly for deliveries IU, Gusev Sov tovg. 38 no 23-24 Ap '65

## URACIL

- Reaction of the thyroid gland of a golden hamster (*Mesocricetus auratus* W.) to a thyrotropic preparation and methylthiouracil I I Ivanova, Dokl AN SSSR 162 no 1 239-240 My '65

## URAL MOUNTAIN REGION—ANTIQUITIES

- Sal'nikov, K. V. [In the depths of ages] V glubine vekov. [2. ispr. i dop. izd. Sverdlovsk] Sverdlovskoe knizhnic. izd-vo, 1959. 139 p

[MICROFILM]

## URAL MOUNTAIN REGION—ARCHAEOLOGY—CONGRESSES

- Uralskoe arheologicheskoe soveshchanie, 2d. Uralskii gosudarstvennyi universitet, 1961. [Results of field studies in the Urals in 1960, reports] Itogi polevykh issledovaniy na Urals v 1960 g., [doklady] Sverdlovsk, Uralskii gos. univ., 1962. 126 p. (Voprosy arheologii Urals, no. 2)

## URAL MOUNTAIN REGION—BOTANY

- Vakar, B. A. [Guide to the plants of the Urals] Opredelitel' rastenii Urals. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1961. 402 p.

[MICROFILM]

## URAL MOUNTAIN REGION—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

- Formation of fighting squads in the southern Urals, end of 1917 and first half of 1918. L. A. Khvostov. Vest. LGU 20 no. 8 143-148 '65.

## URAL MOUNTAIN REGION—DESCRIPTION AND TRAVEL

- Kurochkin, I. M. [Memorable paths; true stories of various years] Pamiatnye tropy, byi raznykh let. Sverdlovsk, Sredne-Uralskoe knizhnoe izd-vo, 1964. 142 p.

## URAL MOUNTAIN REGION—ECONOMIC CONDITIONS

- Characteristics of the agitation among the artisans in Urals factories in the last quarter of the 18th century. P. A. Vagina. Ist. SSSR 9 no 1 132-139 Ja-F '65

## URAL MOUNTAIN REGION—FOUNDRIES—EQUIPMENT AND SUPPLIES

- Standardization of core sand mixtures in foundries of the Urals automobile plant. G. A. Stridova, Z. V. Chinnikina. Lit. proizv. no 6 37 Je '64

## URAL MOUNTAIN REGION—GAS, NATURAL—GEOLOGY

- New gas-bearing region in the Ural Mountain region. F. I. Avrov and others. Dokl. AN SSSR 162 no. 2 393-395 My '65.

## URAL MOUNTAIN REGION—GAS WELL DRILLING

- Using fishing instruments for metal in the Ural Gas and Oil Prospecting Trust. B. N. Khakhaev and others. Burenie no. 6 4-7 '64.

## URAL MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

- Cambrian sediments in the Arctic and subarctic Urals. A D Miklukho-Maklai, I. A. R. Pakhlo. Dokl AN SSSR 162 no 4 891-892 Je '65

## URAL MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

- Semodan sediments in the southern Ural Mountain region. K. K. Kurbanilazov, V. N. Polakov, M. S. Rodovill'skii. Uzb. geol. zhur. 8 no. 1 75-83 '64.

## URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL

- Structure of the surface of Paleozoic basement in the southern part of the Turgay trough and the northeastern part of the Ural Mountain region B A Kulubekov Izv. AN Kazakh SSR Ser. Geol. 24 no 4 17-26 Mi-Apr '63

## URAL MOUNTAIN REGION—GOLD

- Native gold in a crystal-heating quartz vein of the subarctic Ural Mountain region. V. I. Ushinin. Zap. Vses. min. ob-va 94 no. 2 203-204 '65

## URAL MOUNTAIN REGION—HYDROGRAPHY

- Determining the planned level of navigable rivers in the unsteady regimen zone of the tail waters of hydroelectric power stations A. Kazakov. Rech. transp. 24 no 4 41-43 '65

## URAL MOUNTAIN REGION—METALWORK

- History of ancient metallurgical production in the Northern Urals S V Kanvets Izv. Komi fil. Geog. ob-va SSSR no 9 108-111 '64.

## URAL MOUNTAIN REGION—MILITARY EDUCATION

- Formation of fighting squads in the southern Urals, end of 1917 and first half of 1918. L. A. Khvostov. Vest. LGU 20 no. 8 143-148 '65.

## URAL MOUNTAIN REGION—OIL RESERVOIR ENGINEERING

- Efficient complexes of geophysical and hydrodynamic investigations of absorbing horizons in Volga-Ural regions A. N. Kukin. Bueneie no 7 10-14 '61

## URAL MOUNTAIN REGION—OIL WELL CEMENTING

- Cementing and lowering the second intermediate stringer into the deep Aral-Sor well No 1. IU G Apanovich and others. Burenie no 2 26-27 '65.

## URAL MOUNTAIN REGION—OIL WELL DRILLING

- Using fishing instruments for metal in the Ural Gas and Oil Prospecting Trust. B. N. Khakhaev and others. Burenie no 6 4-7 '64.

## URAL MOUNTAIN REGION—OIL WELL PUMPS

- U8-4 mud pumps. N V Stankov, V V Tarynin. Mash i nef. obor. no 4 3-5 '65

## URAL MOUNTAIN REGION—PAPER MONEY

- Paper money of the Vaevozhskii family. A. K. Voronikhin. Ist. SSSR 9 no. 2 210-211 Mr-Apr '65

## URAL MOUNTAIN REGION—PEASANTRY

- The trade and contract work of the peasants in the Ural Mountain Region, 1720-1740 S M. Tomsinskii. Ist. SSSR 9 no 2 146-153 Mr-Apr '65

## URAL MOUNTAIN REGION—WATER, UNDERGROUND

- Dynamics of the underground waters of the Mesozoic sediments of the Siberian portion of the Ural Mountain region G. A. Tolstikov. Neftogaz. geol. i geofiz. no 1 28-31 '65

## URAL MOUNTAINS—ALCHEMILLA

- Characteristics of the distribution of the genus *Alchemilla* in the Southern Urals. E. A. Solivanova-Gorodkova. Trudy Bash. gos. zap. no. 2 85-94 '63.

## URAL MOUNTAINS—ANHYDRITE

- Anhydrite and gypsum in the pyritic deposits of the Urals. IU. M. Stokharov. Dokl. AN SSSR 101 no. 4 949-943 Ap '65.

## URAL MOUNTAINS—CONGLOMERATE

- Are the Ay-suite metamorphosed conglomerates really basalt formations of the Southern Urals? V. M. Chaika. Sov. geol. 8 no. 3 115-118 '65.

## URAL MOUNTAINS—COPPER INDUSTRY

- Efficient flotation flow chart for collective concentrates at the Sibay plant. E. A. Vershinin and others. TSvet. met. 38 no. 4 14-17 Ap '65.

## URAL MOUNTAINS—ECLOGITE

- Growth of quartz grains in the eclogites of the Southern Urals B. V. Chesnokov V A Popov Dokl. AN SSSR 161 no 4 909-910 Je '65

## URAL MOUNTAINS—FLYSCH

- Flysch formation in the eastern slope of the Urals and its facies composition. M. M. Bezhaev. Dokl. AN SSSR 161 no. 5 1181-1184 Ap '65.

## URAL MOUNTAINS—FOLDS (GEOLOGY)

- Ez, V. V., D. E. Galt, and B. I. Kuznetsov. [Morphology and conditions governing the formation of holomorphic folding as revealed by a study of the Silair synclinalorium of the Southern Urals] Morfologiia i uslovia obrazovaniia golomorfnoi skladchatosti na primere Silairskogo sinklinorlia Uzhnogo Urals. Moskva, Nauka, 1965. 100 p.

## URAL MOUNTAINS—GEOLOGY

- Petrologic and metallogenetic proof concerning the relationship between the Tien Shan and the Urals. I. Kh. Khamrabayev, A. A. Kustarnikova, A. F. Syridenko. Uzb. geol. zhur. 8 no. 4 15-18 '64.

## URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC

- New data on Proterozoic formations in the eastern slope of the Southern Urals K. P. Pshunin, A. A. Pshunin. Dokl. AN SSSR 162 no 1 649-649 My '65

## URAL MOUNTAINS—GEOLOGY, STRUCTURAL

- Nappe tectonics of the Urals in the light of new data. M A Kamaletdinov. Geotektonika no 1 106-117 Ja-F '65

## URAL MOUNTAINS—GYPSUM

- Anhydrite and gypsum in the pyritic deposits of the Urals. IU. M. Stokharov. Dokl. AN SSSR 161 no. 4 949-943 Ap '65

## URAL MOUNTAINS—MINE VENTILATION—COLD WEATHER CONDITIONS

- Performance of automatic fans and heating equipment at Northern Ural bauxite mines. V. M. Popov and others. Gok. zhut. no 4 448-52 Ap '65.

## URAL MOUNTAINS—MINING ENGINEERING—MANAGEMENT

- Experience of the economic laboratory and organization of production at the Northern Ural bauxite mine. I. S. Levitskii. Gok. zhut. no. 3 12-13 Mi '65.

## URAL MOUNTAINS—ORE DRESSING

- Brief summary of work at Central Ural ore dressing plants. T. M. Kiutva. TSvet. met. 38 no. 1 5-8 Ap '65.

## URAL MOUNTAINS—PYRITIS

- Geological and geochemical correlation of pyrite manifestations in the central Kyzyl Kum with some pyrite deposits in the Southern Urals. I. Kh. Khamrabayev and others. Uzb. geol. zhur. 8 no. 4 10-20 '64.

## URAL MOUNTAINS—QUARTZ

- Growth of quartz grains in the eclogites of the Southern Urals B. V. Chesnokov, V A Popov Dokl. AN SSSR 162 no 1 909-910 Je '65

## URAL MOUNTAINS—RED DEER

- Feeding habits of maral in the Southern Urals. P. F. Kaznevalii. Trudy Bash. gos. zap. no. 2 115-168 '63.

## URAL MOUNTAINS—SNOW

- Distribution of snow in the southeastern part of the Urals. S. V. Kitikov. Trudy Bash. gos. zap. no. 2 45-60 '63.

## URAL MOUNTAINS—STEPE FLORA

- Fragments of mountain steppes in the Southern Urals. IU. E. Alekseev. Bot. zhur. 50 no. 4 561-560 Ap '65.

## URAL MOUNTAINS—WEINSTEINITE

- Weinsteinite from the Central Urals. I. V. Pokrovskii, G. F. Tomosova, I. I. Kolenko. Dokl. AN SSSR 162 no. 1 173-175 My '65.

## URAL—VOLGA PETROLEUM REGION see Second Baku

## URAL'SK PROVINCE—CATTLE—FEEDING AND FLEDS

- Cattle fattening on the "Permskiy" virgin-land state farm B Stepanchenko. Zakup. sel'khoz. prod. no. 3 36-38 Mi '65

## URAL'SK PROVINCE—MINERALS IN SOIL

- Mineralogical characteristics of some Solonchaks soils in the eastern part of Ural'sk Province N. B. Shoroshkina, N. I. Kotin. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 2 9-14 Mr-Apr '65.

## URAL'SK PROVINCE—SOLONCHAK SOILS

- Mineralogical characteristics of some Solonchaks soils in the eastern part of Ural'sk Province N. B. Shoroshkina, N. I. Kotin. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 2 9-14 Mr-Apr '65.

## URANIUM

- Angular distribution of fragments in the photofission of  $^{238}\text{U}$  and  $^{235}\text{U}$  by gamma rays from the reaction  $p^{10}(\alpha, \gamma)^{13}\text{O}$ . A. S. Soldatov and others. IAD, fiz. 1 no. 3 471-475 Mr '65.

- Energy characteristics of fragments resulting in the fission of  $^{238}\text{U}$  and  $^{235}\text{U}$  nuclei by charged particles. B. A. Bozhagov and others. IAD, fiz. 1 no. 3 461-470 Mr '65.

## URANIUM—PHYSIOLOGICAL EFFECT

- Changes in the concentration of nucleic acids in gonads of *Leucophaea delphinus* exposed to uranium. M. M. Telitschenko, T. I. Chistiakova. Dokl. AN SSSR 161 no. 4 992-993 Ap '65.

## URANIUM ISOTOPES

- Alpha spectrum of  $^{241}\text{Pu}$  and the levels of the  $^{237}\text{U}$  nucleus. S. A. Baranov and others. IAD, fiz. 1 no. 4 557-561 Ap '65.

- Energy dependence of the angular anisotropy of gamma radiation accompanying  $^{235}\text{U}$  fission. G. A. Petrov. IAD, fiz. 1 no. 3 476-478 Mr '65.

## URANIUM ORES

- Perelman, A. I., ed. [Exogenetic epigenetic uranium deposits; conditions governing their formation] Ekzogennyye epigeneticheskie mestorozhdeniya urana; uslovia obrazovaniia. [By] S. G. Batulin i dr. Moskva, Atomizdat, 1965. 323 p.

- UREA**  
Case of  $\gamma$ -pyrone ring formation in the reaction of diketene with urea derivatives. V. I. Guna, S. I. Zaytsev. *Izv. AN SSSR, Ser. khim.* no. 4:717-748 '65.
- Complex formation of paraffin hydrocarbons of normal structure with carbamide. V. A. Matishov, L. S. Bogatov. *Trudy MINKHGP* no. 41:275-277 '63.
- Interaction in the ternary system urea - hydroquinone - resorcinol. I. I. Il'iasov, A. G. Palobekov, A. G. Beigman, Zhur. ob. khim. 35 no. 4:602-606 Ap '65.
- Interaction of thiourea with a nickel cathode as dependent on the conditions of electrolysis. J. Vegys, A. Bodnavas. *Trudy AN Litv SSR Ser. B* no. 3:3-13 '64.
- Mechanism of complexing in case of the reaction of n-paraffin hydrocarbons with an aqueous solution of urea. F. A. Chagodav, B. V. Klimenok, *Izv. vys. ucheb. zav., neftekhim.* 8 no. 3:51-54 '65.
- Mutagenic effect of nitroalkylurea and ethylenimine on back mutations in actinomycetes. I. U. E. Bartoshevich. *Dokl. AN SSSR* 162 no. 1:193-195 My '65.
- Physicochemical analysis of the products of interaction between magnesium nitrate and urea. V. M. Kakabadze and others. *Dokl. AN SSSR* 161 no. 5:1156-1157 Ap '65.
- Synthesis and transformations in the series of diarylureas. D. F. Kutepov, L. V. Evdokushina. *Zhur. org. khim.* 1 no. 1:189-191 Ja '65.
- Synthesis and transformations in the series of diarylureas. Part 19. Synthesis of N-chloro derivatives of substituted phenylene and benzoylureas. D. F. Kutepov, D. N. Khokhlov. *Zhur. org. khim.* 1 no. 1:191-194 Ja '65.
- Use of thiourea for the precipitation of thallium and lead sulfides. V. F. Tolopova, V. V. Belozerskaya, A. I. Chernitsyn. *Izv. vys. ucheb. zav., khim. i khim. tekhn.* 7 no. 6:908-903 '64.
- UREA—EFFECT ON PLANTS** see *Plants, Effect of urea on*
- UREA—SPECTRA**  
Infrared absorption spectra and structure of thiourea dioxide. I. U. A. Khaiksonov, I. V. Prokof'eva. *Dokl. AN SSSR* 162 no. 4:829-832 Je '65.
- UREA AS FEED**  
Nitrogen and sulfur metabolism in the organism of fine-wool sheep fed carbamide and substances containing sulfur. N. F. Matveeva, *Khim. v sel'khoz.* 3 no. 3:63-68 Mr '65.
- URETERS—SURGERY**  
Concerning I. V. Fedorov's work, "On regeneration of a ureter following substitution of its defects with polyethylene prostheses." I. M. Derevianko. *Vest. Khim.* 91 no. 2:114-118 F '65.  
Reply to I. M. Derevianko's letter. I. V. Fedorov. *Vest. khim.* 94 no. 2:115-118 I '65.
- URETHANES—PHYSIOLOGICAL EFFECT**  
Deccane in the resistance of mice to the blastomogenic effect of urethane following whole-body gamma radiation in small doses. N. I. Lukash. *Dokl. AN SSSR* 162 no. 4:947-949 Je '65.
- URETHRA—INFLAMMATION**  
Study on late results of treatment of bacterial urethritis in males. A. I. Lopatin. *Sov. med.* 28 no. 5:133-136 My '65.
- URETHRA—INNERVATION**  
Age-related morphology of the nerve apparatus of the lower section of female urination canals, the first nerve fiber component. I. S. T'feykovskaya. *Dokl. AN BSSR* 9 no. 2:136-139 F '65.
- URETHRA—SURGERY**  
Plastic surgery on the urethra injured in a pelvic fracture. M. A. Gonchar. *Vest. khim.* 92 no. 6:96-97 Je '64.
- URIDINE**  
Synthesis of dihydrouridine diphosphate glucose. N. K. Kochetkov and others. *Izv. AN SSSR, Ser. khim.* no. 5:914-915 '65.
- URINARY ORGANS—DISEASES**  
Hospital hygiene in urological clinics. A. A. Kotsman, S. T. Varshavskii, I. D. Zmolro. *Antibiotiki* 10 no. 2:176-178 F '65.
- URINE**  
Determining the quantity of 17-oxycorticosteroids of urine. M. A. Krekhova. *Sov. metod. v biokhim.* 1:334-331 '64.
- URINE—ANALYSIS AND PATHOLOGY**  
Creatinuria in labor atonia, one of the abnormal labor forms. A. D. Kuznetsova, A. A. Rubel'. *Akush. i gin.* 40 no. 5:38-41 S-O '64.  
Determination of adequate supply of vitamin C in the organism by means of its examination in urine voided on an empty stomach. V. S. Rozovskii, G. I. Ratkovskaya. *Yoen. - med. zhur.* no. 11:63-56 '64.  
Mechanisms of the natural effect of pituitrin. I. U. V. Natchin. *Piziol. zhur.* 51 no. 3:357-362 Mr '65.
- Uter- and colpocytology as diagnostic tests of estrogen saturation** S. E. Pollak. *Sov. med.* 28 no. 1:80-86 Ja '65.
- URINE—MICROBIOLOGY**  
Hospital hygiene in urological clinics. A. A. Kotsman, S. T. Varshavskii, I. D. Zmolro. *Antibiotiki* 10 no. 2:176-178 F '65.
- USA VALLEY—FRESHWATER FLORA**  
Water vegetation of the Usa River. I. S. Khamtmer. *Lv. Kom. fil. Geog. ob.-va SSSR* no. 9:55-60 '64.
- USHISHIR ISLANDS—FOXES**  
Blue fox on the Ushishir Islands. V. G. Voronov, G. A. Voronov. *Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR* no. 11:79-82 '63.
- USSURIYSK—MILITARY EDUCATION**  
Business accounting in action. L. Savell'ev. *Voën. znani.* 41 no. 5:32 My '65.
- UST'-KAMENOGORSK—ELECTRIC ENGINEERING—ACCOUNTING**  
Accounting office and production sector. G. Kasymov. *Nat. khoz. Kazakh.* 23 no. 4:25-27 Ap '65.
- UST'-KAMENOGORSK—LOCKS (HYDRAULIC ENGINEERING)**  
Regulation of approaches to the lower canal of the Ust'-Kamenogorsk lock. M. Voloshin. *Rech. transp.* 24 no. 3:57 '65.
- UST'-KAMENOGORSK—PRECAST CONCRETE**  
Capital assets and production costs. A. Mitskevich. *Nar. khoz. Kazakh.* 23 no. 4:23-21 Ap '65.
- USTYURT—GAS, NATURAL**  
Presence of hydrogen in the composition of natural gas in the southeastern Ustyurt. N. P. Betelev. *Dokl. AN SSSR* 161 no. 6:1422-1425 Mr '65.
- USTYURT—GAS, NATURAL—GEOLOGY**  
Oil and gas potentials of Paleozoic sediments in Ustyurt and areas adjacent to it. A. A. Arifov and others. *Uzb. geol. zhur.* 8 no. 4:30-37 '64.
- USTYURT—GEOLOGY, STRATIGRAPHIC**  
Cross section types of Mesozoic sediments in northern Ustyurt. Zh. I. Uldashev. *Uzb. geol. zhur.* 8 no. 5:78-80 '64.
- USTYURT—GEOLOGY, STRUCTURAL**  
Methods for detailed structural and geological studies in Ustyurt. I. U. M. Kleiner, I. U. A. Kuznetsov, V. V. Sholokhov. *Sov. geol.* 8 no. 3:107-110 '65.
- USTYURT—HYDROGEN**  
Presence of hydrogen in the composition of natural gas in the southeastern Ustyurt. N. P. Betelev. *Dokl. AN SSSR* 161 no. 6:1422-1425 Ap '65.
- USTYURT—PETROLEUM GEOLOGY**  
Oil and gas potentials of Paleozoic sediments in Ustyurt and areas adjacent to it. A. A. Arifov and others. *Uzb. geol. zhur.* 8 no. 4:30-37 '64.
- USTYURT—PROSPECTING**  
Methods for detailed structural and geological studies in Ustyurt. I. U. M. Kleiner, I. U. A. Kuznetsov, V. V. Sholokhov. *Sov. geol.* 8 no. 3:107-110 '65.
- UTERINE HEMORRHAGE** see *Hemorrhage, Uterine*
- UTERUS**  
Effect of estrogens and calcium ions on the state of the autonomic system and carbohydrate-phosphorus metabolism in the uterus. N. S. Bakshoev, E. T. Mikhailenko. *Akush. i gin.* 40 no. 5:28-31 S-O '64.  
Interceptive conditioned response from the uterus following extirpation of the premotor zone of the cerebral cortex in dogs under conditions of saturation with estrogen. I. I. Lebedeva. *Nauch. soob. Inst. fiziol. AN SSSR* no. 3:95-99 '65.  
Stimulation of the contractile activity of the uterus with aporphysine. N. P. Naidonova. *Akush. i gin.* 40 no. 5:46-51 S-O '64.  
Uterine inertia and the intrauterine fetus. S. M. Bekker. *Akush. i gin.* 40 no. 5:35-38 S-O '64.
- UTERUS—CANCER**  
Cardiosarcoma of the corpus uteri developing six years after radiotherapy of cancer of the cervix uteri. I. A. V. Bokhan, S. M. Tsvet. *Akush. i gin.* 40 no. 5:155 S-O '64.  
Diagnosis of cancer of the cervix uteri on the basis of fluorescent-histological and fluorescent-cytological methods of examination. B. I. Zhelezov. *Arkh. pat.* 26 no. 12:31-39 '64.
- UTERUS—HEMORRHAGE** see *Hemorrhage, Uterine*
- UTERUS—SURGERY**  
Effect of the stimulation and removal of the uterus on the gonadotropic functions of a desympathized hypophysis. O. P. Lasegor. *Trudy Khar. med. inst.* no. 36:77-83 '57.
- UTERUS—TUMORS**  
Study of erythroplasia in uterine myoma patients. E. V. Syrykh. *Akush. i gin.* 10 no. 5:134-139 S-O '64.
- UZBEKISTAN—ARCHITECTURE, MEDIEVAL**  
Rural buildings of the early period of feudalism in Uzbekistan. V. A. Nii'sen. *Arkh. i. nas.* 17:177-184 '64.
- UZBEKISTAN—ART GALLERIES AND MUSEUMS**  
Krukovskaya, S. M. [In the world of treasures: from the collections of the State Museum of Art in the Uzbek S. S. R.] V mire sokrovishch; iz sobraniia Gosudarstvennogo muzeia iskusstv Uzbekskoi SSR. Tashkent, Gos. izd.-vo khudozh. lit.-ry UzSSR, 1964. 209 p. illus.
- UZBEKISTAN—BUILDING—STUDY AND TEACHING**  
Study helps practice. I. U. Nikitin. *Stroi. i arkh. Uzb.* 6 no. 2:5-6 F '65.
- UZBEKISTAN—CHEMICAL INDUSTRIES**  
Mineral resources of the chemical industry in Uzbekistan. *Uzb. geol. zhur.* 8 no. 1:5-7 '64.
- UZBEKISTAN—CLAY**  
Distribution of clay minerals in Cretaceous sediments in the northern part of the Bukhara-Khiva oil- and gas-bearing province and the conditions governing their formation. M. Nartadzhiev. *Uzb. geol. zhur.* 8 no. 1:68-74 '64.
- UZBEKISTAN—CLOSTRIDIUM**  
Distribution of tetanus pathogens in the soil of Tajikistan, Uzbekistan and Moldavia. M. I. Orzuev, A. I. Matveev. *Zhur. mikrobiol., epid. i immunit.* 41 no. 11:94-99 N '63.
- UZBEKISTAN—CORN (MAIZE)**  
Sowing corn along with pulse crops. A. Gazikhanov. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:66-78 '64.
- UZBEKISTAN—COTTON—FERTILIZERS AND MANURES**  
Action and aftereffect of green manure on the yield of cotton. Zh. Edgarov. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:58-65 '61.  
Effect of antiseptics on the mobilization of nutrients and increase of the yield of cotton in Sierozem soils. T. I. Plotopopova. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:187-191 '64.  
Effect of the increased concentrations of phosphorus on the growth, development, and yield of cotton. A. Manna-nova. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:174-186 '63.
- UZBEKISTAN—COTTON—IRRIGATION**  
Effectiveness of shallow intertillage during the sowing of cotton. A. R. Rifitina. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:276-281 '61.
- UZBEKISTAN—CRIMINAL LAW**  
Uzbek S. S. R. Laws, statutes, etc. [Criminal Code of the Uzbek Soviet Socialist Republic] Ugodovnyi kodeks Uzbekskoi Sovetskoi Sotsialisticheskoi Respubliki. Tashkent, Gos. izd.-vo UzSSR, 1959. 97 p. [MICROFILM]
- UZBEKISTAN—ELECTRICIANS—EDUCATION AND TRAINING**  
Practices in training electric installation workers. I. L. Feldman. *Stroi. i arkh. Uzb.* 6 no. 2:7 F '65.
- UZBEKISTAN—FORAMINIFERA, FOSSIL**  
Some new species of Senonian foraminifera in southwestern Uzbekistan. N. D. Arapova. *Nauch. izd. TashGU* no. 249. *Geol. nauki* no. 2:217-227 '64.
- UZBEKISTAN—GEOLOGICAL RESEARCH**  
Development of geological research in Uzbekistan in the years of Soviet rule. *Uzb. geol. zhur.* 8 no. 6:5-6 '64.
- UZBEKISTAN—GEOLOGY, STRUCTURAL**  
New developments in the geology of the Namangan group of structures. A. R. Khodzhaev, P. K. Azimov. *Uzb. geol. zhur.* 8 no. 5:72-74 '64.
- UZBEKISTAN—IRRIGATION—TECHNOLOGICAL INNOVATIONS**  
Dzeventsii, G. Ia. [Automation of the irrigation system of Uzbekistan and methods for determining its economic efficiency] Avtomatizatsiya irrigatsionnykh sistem Uzbekistana i metody opredeleniia ee ekonomicheskoi effektivnosti. Tashkent, In-t ekonomiki i organizatsii sel'skokhoziaistvennogo proizvodstva, 1961. 63 p. [MICROFILM]
- UZBEKISTAN—LEGUMES**  
Sowing corn along with pulse crops. A. Gazikhanov. *Sbor. nauch. rab. asp. SoluzNIKHI* no. 5:66-78 '64.
- UZBEKISTAN—MILITARY EDUCATION**  
At an Uzbek collective farm. K. Zaimullin. *Voën. znani.* 41 no. 3:34 Mr '65.
- UZBEKISTAN—MOLYBDENUM ORES**  
Characteristics of the concentration of molybdenum in postmagmatic deposits in some ore regions of Uzbekistan. Kh. N. Balmukhamedov, T. Z. Zakirov, A. S. Sadykova. *Uzb. geol. zhur.* 8 no. 1:7-12 '64.



# VIATION (BIOLOGY) (Continued)

**unants, I. L., and V. G. Astakhova** [Challenge a great secret] *Vyzov velikoi tajny*. Moskva, 1965. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya Estestvoznaniye i religiya, no. 5) **riability of diptheria bacilli under the influence of antibiotics.** N. S. Zikeeva. *Trudy Khm. med. inst.*, 36:209-213 '57 **riability of the virus of European chicken plague.** I. A. Ivanova and others. *Vop. vet. virus.* 1:353-376 '64.

**IATIONS, CALCULUS OF** see Calculus of variations

**NISH AND VARNISHING—STANDARDS**  
Standards for terpene colloxylin varnishes for furniture. L. P. Pollakov. *Gidroliz i osokhlin prom.* 18:3-5-6 '65

**VARA RESERVOIR—PARASITES—FISHES**  
Parasitofauna in Vn vana Reservoir. T. K. Mikallov. *Trudy Inst. zool. AN Azerb. SSR* 21:128-137 '65

**JULAR GRAFTS**  
Physiological study of internal thoracic arteries in connection with their use in the revascularization of the myocardium. L. B. Shmelov, E. M. Zagladovskaya. *Trudy TSU* 66:166-167 '64

**LOVANI PRESERVE—POPLAR**  
Vegetation of the Tatarsky reserve poplar Populus trichocarpa in the Vashlovani Preserve. Z. G. Kabadze. *Trudy AN Gruz. SSR* 37 no. 3:669-672 Mi '65

**L'KOV DISTRICT—CRIMINAL INVESTIGATION**

Police assistance in the identification of a criminal. A. N. Rad. *prav. 28 no. 2:49-50 Mr.-Ap '65.*

**L'KOV DISTRICT—EVIDENCE, EXPERT**

Police assistance in the identification of a criminal. I. N. Rad. *prav. 28 no. 2:49-50 Mr.-Ap '65.*

**ETSOV, VIKTOR MIKHAILOVICH, 1848-1926**

**ina, S. G.** [We look, draw and talk] Smolrtn, smeni, rasskazyvaem. [Moskva] Molodai gvardia, 1965. 52 p.

**DILATORS**

Comparative analysis of the results in treating stenocardia with nitrite and mannitol. A. I. Levin, G. A. Smolenski, I. Ozerova. *Sov. med.* 28 no. 1:28-30 Ja '65

Pharmacological properties of the preparation "nicotol." I. A. Hordynska, I. B. Simon. *Fiziol. zhur. [Ukr.]* 9:1229-1232 Ja-F '63

**MOTOR DRUGS**

Effect of pressure in sensitized organisms and its changes under the influence of vasoconstrictors and vasodilators. A. A. Kononenko. *Trudy Khm. med. inst.* no. 36:37-72 '57.

Effects of hypophysis preparations on the effect of me depressor and pressor agents. E. N. Berger. *Trudy Khm. med. inst.* no. 36:295-299 '57. **ction of the blood circulation apparatus to the influence of vasoconstrictors and vasodilators in experimental neurogenic hypertension.** I. V. Dobrogaeva. *Trudy khm. med. inst.* no. 36:273-278 '57.

**MOTOR NERVOUS SYSTEM** see Nervous system, somotor

**FOR ANALYSIS**

Use of traversing stops and their vector analysis. Z. Banetshvili. *Soob. AN Gruz. SSR* 37 no. 3:635-642 '65.

**AS—CRITICISM, INTERPRETATION, ETC.**

Interpretation of the Vedic hymn "Nasad." V. V. Irodov. *Krat. soob. inst. nar. Az.* no. 71:41-45 '65.

**C HYMNS** see Hymns, Vedic

**STABLE GARDENING**

see also subdivision under Chukchi National Area; Crimea; Kiev region; Novolazarevskaya Station, Antarctica

Work in October. *Inform. biul. VDNK* no. 10:30-31 O '63.

lecting disks for intertillage cultivation. E. Kommer. *Kh. v sel'khoz.* 28 no. 4:60-68 Ap '65.

Use of growing of plants as a method for the intensive use of greenhouses in vegetable growing. N. P. Rodnikova. *Izv. TSU* no. 5:135-147 '64.

**TABLE JUICES**

Use of ultrasonic vibrations on fruit and vegetable juices. A. I. Zolotova. *Izv. vya. ucheb. zav.; pishch. kh.* no. 1:80-82 '65.

**TABLE TRADE** see subdivision under Kakhovka district; Kiev

**ETABLE TRADE—FINANCE**

see also subdivision under Armenia

Method for analyzing the profitability of the wholesale vegetable and fruit trade. M. Smorodina. *Bukh. uchel.* 1 no. 10:16-19 O '64.

**VEGETABLES—DISEASES AND PESTS** see subdivision under Azerbaijan

**VEGETABLES—TRANSPORTATION**

Efficiency of the preliminary cooling of early fruit and vegetables. A. Zhavoronkov. *Zakup sel'khoz. prod.* no. 5:24-25 My '64.

**VEKSHAN, VLADIMIR ALEKSANDROVICH, 1899-1965**

V. A. Vekshan, obituary. *Sov. pedagog.* 29 no. 5:158 My '65

**VEINS—RADIOGRAPHY**

Causes of failures, danger and complications in transosseous phlebography of the thorax. V. T. Apolun. *Trudy TSU* 66:88-95 '64

Transosseous phlebography in diseases of the lungs. V. T. Apolun. *Trudy TSU* 66:74-87 '64.

**VENA CAVA—DISEASES**

Pathology of the cerebral and spinal blood circulation in occlusions of the superior vena cava. N. K. Bogolepov, L. G. Gorkhina. *Zhur. nev. i psikh.* 65 no. 4:524-530 '65.

**VENEERS AND VENEERING**

Automatic measurement of the moisture of rotary-cut veneer in a roller dryer. V. I. Muzalevskii. *Dei. prom.* 11 no. 4:11-12 Ap '65

Base paper for strengthening microveneers. N. V. Timolovskaja, G. A. Voronovskaja. *Bum. prom.* no. 1:25 Ja '65

**VENEZUELA—MILITARY BASES, AMERICAN**

Unmasked plans of the Pentagon. S. Pakin. *Mezhdunar. zhurn.* 12 no. 5:131-132 My '65.

**VENEZUELA—POLITICS AND GOVERNMENT**

Do not tolerate the persecution of Senator Paria. *Nov. vrem.* 22 no. 20:22 My '65

**VENOM—PHYSIOLOGICAL EFFECT**

Comparative characteristics of the action of venoms of *Bungarus fasciatus*, *Naja tripudians* and *Viperia lobetina* on an isolated frog heart. T. N. Pavloskii and others. *Dokl. AN SSSR* 162 no. 1:225-228 My '65

**VENTILATION**

Characteristics of the mechanical ventilation of raillet. M. Golik, E. Rasulev. *Muh.-elekt. prom.* 31 no. 4:12-13 Ap '65.

Lids for air ducts. A. S. Kozlov. *Konstr. i ov. prom.* 20 no. 5:42 My '65.

**VENTSPILS (LATVIA)—OIL POLLUTION OF RIVERS, HARBORS, ETC.**

Performance of the shore purification installations of the Ventspils oil terminal. L. Smurev. *Mor. flot.* 25 no. 5:20-21 My '63

**VENUS (PLANET)**

Measuring the polarization and brightness temperature distribution of Venus at a wavelength of 10 cm. A. D. Kuz'min, B. G. Clark. *Astron. zhur.* 42 no. 3:595-617 My-Je '65

Photographic polarimetry of Venus. V. A. Gagen-Torn. *Uch. zap. LGU* no. 326:95-99 '64

**VENUS (PLANET)—ATMOSPHERE**

Radio astronomical research, and the ionosphere of Venus. A. D. Danilov. *Dokl. AN SSSR* 162 no. 4:774-777 Je '65

**VERKHNEDENEPROVSK DISTRICT—LAND—MAPS**

*Moscow, Universitet. Geograficheskii fakul'tet. Kafedra geografii i kartografii pochv.* [From practice in the field study and mapping of collective and state-farm land; based on the example of Verkhnedneprovsk District, Dnepropetrovsk Province] Iz opyta polevogo issledovaniia i kartografirovaniia zemel' kolkhozov i sovkhov na primere Verkhnedneprovskogo raiona Dnepropetrovskoi oblasti. [By] A. V. Gedymin i dr. Moskva, 1961. 78 p.

[MICROFILM]

**VERKHNEDENEPROVSK DISTRICT—SOILS—CLASSIFICATION**

*Moscow, Universitet. Geograficheskii fakul'tet. Kafedra geografii i kartografii pochv.* [From practice in the field study and mapping of collective and state-farm land; based on the example of Verkhnedneprovsk District, Dnepropetrovsk Province] Iz opyta polevogo issledovaniia i kartografirovaniia zemel' kolkhozov i sovkhov na primere Verkhnedneprovskogo raiona Dnepropetrovskoi oblasti. [By] A. V. Gedymin i dr. Moskva, 1961. 78 p.

[MICROFILM]

**VERKHOVANSK RANGE—GEOLOGY, STRUCTURAL**

Tectonics and the analysis of folding in the Verkhovansk Range. L. P. Zonenshteyn. *Geotektonika* no. 2:58-78 Mr.-Ap '65.

**VERMICULITE**

(see also subdivision under Dnieper Valley)

Physicochemical characteristics of Kovdor vermiculite as a substratum for the hydroponic growing of plants. V. N. Pereverzev. *Agroklimatika* no. 2:116-122 F '65.

**VERMOUTH**

Ogorodnik, S. T., and K. S. Popov. [Vermouth making in the U.S.S.R. and abroad] *Proizvodstvo vermoutha v SSSR i za rubezhom*. Moskva, Tsentr. int. nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 23 p. [MICROFILM]

**VERNADSKYI, VOLODYMYR IVANOVYCH, 1863-1945**

Volodymyr Ivanovich Vernadskii on the 100th anniversary of his birth. IE V. Kolpakov. *Fiziol. zhur. [Ukr.]* 9 no. 1:3-5 Ja-F '63

**VERNALIZATION**

Change in biochemical properties of seeds in embryogenesis as related to their vernalization. A. A. Agin, S. M. Minnalan. *Izv. AN Arm. SSR. Biol. nauki* 18 no. 1:35-40 Ja '65.

Vernalization of potato tubers and vegetable seeds. T. Oshcherko. *Inform. biul. VDNK* no. 4:31 Ap '65.

**VERSIFICATION**

Conference on the theory of verse held in Warsaw. V. Zhuravskii. *Izv. AN SSSR Ser. lit. i ia.* 21 no. 2:177-180 Mr.-Ap '65.

**VERTEBRAE—FRACTURE**

Compression fracture of five thoracic vertebrae in a 12-year-old child with tetanus. *Vest. khim.* 93 no. 12:94-95 D '64

**VERTEBRAL ARTERY—DISEASES**

Clinical aspects and diagnosis of lesions of the extracranial portion of the vertebral artery. E. I. Zlotnik, L. S. Glikina. *Zhur. nev. i psikh.* 65 no. 5:662-666 '65.

Clinical aspects in combined lesions of the carotid and vertebral-basilar arterial systems. Z. N. Dracheva. *Zhur. nev. i psikh.* 65 no. 1:496-501 '65.

**VERTEBRATES, FOSSIL** see subdivision under Ukraine

**VEICH**

(see also subdivision under Crimea)

Activity of arginase in the germinating seeds of hairy vetch. K. M. Bendetskii. *Biul. Glav. bot. sadu* no. 56:65-67 '64.

**VEICH—VARIETIES**

New foreign varieties of the common and hairy vetches in the collection of the All-Union Institute of Plant Growing. L. V. Leokene. *Biul. VIR* no. 10:40-41 '64.

**VETERANS—CONGRESSES**

Heroes' meeting. S. Gubarev. *Sov. toig.* 38 no. 5:20 My '65

War veterans as soldiers of peace. A. Plo. *Nov. vrem.* 22 no. 22:8 My '65.

**VETERANS, DISABLED** see subdivision under Ukraine

**VETERINARY HELMINTHOLOGY**

Photometric method for determining the amount of erythrocytes in the blood of cattle. S. A. Stepanova, N. P. Chesnokova, V. N. Podshivaeva. *Sbor. stud. rah. VMI* no. 3:25-32 '63.

**VETERINARY MATERIA MEDICA AND PHARMACY**

Burkalev, A. M., and V. S. Lodianov. [Veterinary manual on drugs] *Vet. i farm. spravochnik lekarstvennykh veshchestv*. Moskva, Kolos, 1965. 265 p. (DNAL)

**VETERINARY MEDICINE**

Bellayev, M. G. [Prophylaxis and treatment of noninfectious diseases of young agricultural animals] *Profilaktika i lechenie nezaraznykh zabolovanii molodinki sel'skokhoziaistvennykh zhivotnykh*. Moskva, Rossiiskhoizdat, 1964. 231 p. (DNAL)

Effect of thyroidectomy on the effectiveness of fattening hogs. P. M. Kulishko. *Fiziol. zhur. [Ukr.]* 9 no. 1:132-133 Ja-F '63.

Effectiveness of antibiotics in the experimental leptospirosis of calves and lambs. Zh. R. Arzamanian. *Dokl. Akad. sel'khoz. nauk* no. 2:36-38 F '65.

**VETERINARY MEDICINE—ABSTRACTS**

[Animal husbandry. Veterinary medicine] *Ref. zhur. i Zhiv. Vet.* no. 10 My '65. *Avtorskii ukazatel' za 1964 g.*

**VIAZEMSKII, TEREHTH IVANOVICH, 1857-1914**

At the very shore of the Black Sea; Kara-Dag biological station. A. M. Penzovskii. *Priroda* 54 no. 5:76-78 My '65.

**VIBRATED CONCRETE**

Standardizing deep vibrators for compressing concrete for the period of 1960-1965. *Stroitel. mash.* 8 no. 3:35-37 Mr '63.

**VIBRATION**

Investigating steady vibrations of system with nonlubricated friction. F. R. Gekker, V. A. Svetitskii. *Izv. vya. ucheb. zav., mashinostr.* no. 2:50-56 '65.

Stimulation of a vibrating system with causally changing parameters. V. M. Kuz'ma. *Fizik. mekh.* 1 no. 1:125-127 '65.



# VIBRATION—MEASUREMENT

Electrochemical transducers for oscillation and weight measurements. N. S. Lidorenko and others. *Elektro tekhnika* 36 no. 4:24-25 Ap '65.  
Modernizing piezoelectric crystal pickups of vibrational accelerations. L. A. Osipovich. *Pruborostronienie* no. 4:19-20 Ap '65.

# VIBRATION (MARINE ENGINEERING)

Dryden, V. V., and N. V. Matits. [Dynamic strength calculations of ship structures.] *Dinamicheskie tsechn. prochnost sudovyykh konstruktsii*, Izd. 2., 100 str., dop. Moskva, Transport, 1965, 316 p.

# VIBRATORS

Effect of low-frequency mechanical vibrations on the rate of dissolving. P. P. Loboda. V. N. Stalnikov. *Izv. vyz. ucheb. zav. plishch tekhn.* no. 3:165-170 '65.  
Operating conditions of vibrators of photometric pickups. M. G. Mikhailova. *Izvestiya* no. 1:19-21 Mr '65.  
Studying the application of elastic vibrations in sound engineering. A. I. Greshner. *Sbornik nauch. rab. AKKh* no. 1:15-34 '61.

# VIBRIO

Seawater vibrios in the harbor of Odessa. V. N. Shirlaeva, A. K. Kashirova. *Zhurn. mikrobiol., epid. i immun.* 41 no. 10:144 '64.

# VIENNA, BATTLE OF 1945

Liberation of Vienna. A. Ryzhko. *Voen.-ist. zhurn.* 7 no. 4:121-124 Ap '65.

# VIETNAM—RICE—VARIETIES

Amino acid composition of proteins in Vietnam rice varieties. A. B. Sil'ev, Le Zoon Zien. *Pril. biokhim. i mikrobiol.* 1 no. 1:123-125 Ja-F '65.

# VIETNAM, NORTH—POLITICS AND GOVERNMENT

The fighting Vietnam. A. Ter-Grigorian. *Nov. vrem.* 22 no. 20:5-7 My '65.

# VIETNAM, NORTH—REPORTERS AND REPORTING

Vietnam, north of the 17th parallel. D. Bekasov. *Sov. pech.* no. 4:55-56 Ap '65.

# VIETNAM, SOUTH—CHEMICAL WARFARE

Gases, rights, and morals. G. Zhukov. *Mezhdunar. zhizn'* 12 no. 5:124 My '65.

# VIETNAM, SOUTH—ECONOMIC CONDITIONS

Vietnam: Dirt and flame. *Az. i Afr. seg.* 8 no. 5:24-25 My '65.

# VIETNAM, SOUTH—GASES, ASPHYXIATING AND POISONOUS—WAR USE

Against the use of gases by American imperialists in Vietnam. *Voen. prof. dvizh.* no. 3:7 My '65.

# VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN

Appeal of the International Trade-Union Committee for solidarity with the workers and people of South Vietnam in connection with the convocation of its Second Plenary Meeting. *Voen. prof. dvizh.* no. 3:11-12 My '65.

The battles of Song Be and Quang Ngai: an interview. *Z. Mir* 21 Nov. 23 no. 24:8-9 Je '65.

British Parliament and the aggression in Vietnam. *K. Ziliacus* Nov. 23 no. 23:18-20 Je '65.

Current events. *Nov. vrem.* 22 no. 22:9-11 My '65.

The dangerous course of the U. S. A. IU. Shvedkov. *Mezhdunar. zhizn'* 12 no. 5:149-58 My '65.

Hands off Vietnam! Fdwin Chiehou. *Vsem. prof. dvizh.* no. 3:8-11 My '65.

A just cause. *Nov. vrem.* 23 no. 24:1-2 Je '65.

The peoples demand, put an end to the dirty war! *Az. i Afr. seg.* 8 no. 4:20-21 Ap '65.

Take to task the violators of international agreements. *V. I. U. Rad. pravo* 28 no. 3:118 My '65.

Vietnam: Dirt and flame. *Az. i Afr. seg.* 8 no. 5:24-25 My '65.

The Vietnamese people will conquer. *Nguyen Minh.* *Vsem. prof. dvizh.* no. 3:12-15 My '65.

Why the Pentagon is losing. Wilfred Burchell. *Nov. vrem.* 23 no. 24:3-7 Je '65.

Viktor Nikolaevich Shevkunenko, 1872-1952

Review of E. M. Margolin's book "V. N. Shevkunenko (1872-1952)". G. F. Vsevolodov. *Arkhi., anat., glist. i embr.* 48 no. 4:115-116 Ap '64.

# VILNIUS—ARCHITECTURE

Some structures of the 18th-century Vilnius. A. Jankeviciene. *Arkhit. nas.* 17:3-10 '64.

# VILNIUS—CATTLE—ACCOUNTING

Improve the system of delivering and receiving cattle. D. Grudev, N. Kurayna, N. Shishkina. *Zakup. sel'khoz. prod.* no. 3:41-44 Mr '65.

# VILNIUS—DEPARTMENT STORES

Among the Vilnius architects. A. Markushevich. *Sov. torg.* 38 no. 5:54-58 My '65.

# VILNIUS—LIBRARIES

Cultivated by beauty. B. Finiasov. *Bibliotekar'* 42 no. 4:55-58 Ap '65.

# VINCA

Study of alkaloids of the ovaries of part of Vinca erecta. Sh. Z. Fasyrov, P. Kh. Ildashev, S. I. Uzunov. *Dokl. AN SSSR* 162 no. 1:102-103 My '65.

# VINE CROPS

Watermelons, melons, and pumpkins. S. Nazarov. *Zakup. sel'khoz. prod.* no. 3:11-12 Mr '65.

# VINNITSA—DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES

Improved high-speed continuous system for the cooking of starchy raw materials in the Vinnitsa Distillery. D. G. Iuditskii. *Ferm. i spirit. prom.* 31 no. 3:32-36 '65.

# VINNITSA—GUIDEBOOKS

[Vinnitsa; a guidebook.] Vinnitsa; putivnyk. [L'viv] Vinnits'ke obl. knyzhkovo-gazetne vyd-vo, 1961, 121 p., illus.

# VINOGRADOVA, TATIANA PAVLOVNA, 1894-

Tatiana Pavlovna Vinogradova, on her 70th birthday. *Izvestiya* 26 no. 12:6-7 '64.

# VINYL ACETATE POLYMERS

Radical polymerization of vinyl acetate and its telomerization with carbon tetrachloride at high pressures. V. M. Zhulin, M. G. Gonikberg, R. I. Bal'kova. *Izv. AN SSSR. Ser. khim.* no. 3:432-438 '65.

# VINYL ALCOHOL POLYMERS

Antibacterial effect of polyvinyl alcohol fibers containing specific chemical groups. B. V. Sokolov, L. A. Volk, A. V. Makovitch. *Zhurn. mikrobiol., epid. i immun.* 41 no. 11:54-58 N '64.

Effect of potassium iodide on the iodine-polyvinyl alcohol color reaction. L. G. Tebelev, N. A. Silkin. *Dokl. AN SSSR* 161 no. 5:1095-1097 Ap '65.

Effect of the addition of water on globular polyvinyl alcohol solutions. P. I. Zubov, E. A. Osipov. *Vysokom. seed* 7 no. 1:94-97 Ja '65.

Effect of thixotropic gel of isodopolyvinyl alcohol on experimental atherosclerosis. L. G. Bogomolova and others. *Pri fiziol. i eksp. terap.* 9 no. 2:3-12 Mr-Apr '65.

Kinetics of acetalization of polyvinyl alcohol by aliphatic aldehydes in aqueous solutions. G. N. Kormanovskaya, I. N. Vlodavets. *Izv. AN SSSR. Ser. khim.* no. 4:737-739 '65.

Spectrophotometric analysis of the interaction of iodine with polyvinyl alcohol solutions. L. G. Tebelev and others. *Vysokom. seed* 7 no. 1:123-128 Ja '65.

Synthesis of polyvinylformalethylal from an aqueous dispersion of polyvinyl acetate. Part 3: Consecutive acetalization of polyvinyl alcohol by formaldehyde and acetaldehyde in a diluted acetic acid medium. A. G. Saladin, K. S. Kocherian. *Izv. AN Arm. SSR. Khim. nauki* 38 no. 1:104-113 '65.

# VINYL CHLORIDE—ANALYSIS

Identification of impurities in vinyl chloride. A. Ia. Lazaris. *Neftekhimika* 5 no. 1:166-171 Ja-F '65.

# VINYL COMPOUND POLYMERS

Equations correlating the properties of anion exchangers based on copolymers of vinyl amine and divinylbenzene with their structure. I. Seondac, A. F. Nikolaev. *Vysokom. seed* 7 no. 1:108-113 Ja '65.

Morphology of block polyvinyl chloride. D. N. Bort and others. *Vysokom. seed* 7 no. 1:50-54 Ja '65.

Synthesis of weakly basic anion exchangers based on copolymers of vinyl amine and divinylbenzene. I. Seondac, A. F. Nikolaev. *Vysokom. seed* 7 no. 1:101-107 Ja '65.

Use of polyvinylpyrrolidone and polyvinyl alcohol as binding substances in the production of tablets. S. A. Nosovits'ka and others. *Farmatsev. zhurn.* 19 no. 1:41-45 '64.

# VINYL COMPOUND POLYMERS—ELECTRIC PROPERTIES

Dielectric properties of some polydivinyl acetals. S. T. Barsaman, L. S. Tolapchen, V. N. Pikalova. *Dokl. AN Arm. SSR* 40 no. 2:101-108 '65.

# VINYL COMPOUNDS

Composition and rectification purification of vinyl chloride. A. M. Aliev, Sh. V. Veliev. *Nefteper. i neftekhim.* no. 3:29-32 '65.

Experimental study of the dehydrochlorination of dichloroethane in order to obtain vinyl chloride in a reactor with a fluidized bed and ascending through-flow of a catalyst. M. F. Nagiev and others. *Azerb. khim. zhurn.* no. 3:44-50 '64.

Preventive measures in the production of vinyl chloride. A. I. Fedotov, M. V. Alekseev. *Tekh. bezop.* no. 3:21-27 '64.

# VINYL COMPOUNDS—ELECTRIC PROPERTIES

Electrical strength of polyvinyl chloride plasticized resin. IU. N. Van-Gaut. *Elektrotehnika* 36 no. 5:36 My '65.

# VINYL ETHERS

Chemical reactions of phthalylglycidyl vinyl ether. P. Shaplo, M. P. Shostakovskii. *Izv. AN SSSR. Ser. khim.* no. 4:528-530 '65.

Hydrolysis of N-monomethylated vinyl ethers of 12-17 aminophenols. G. G. Skvortsova and others. *Zhurn. khim. fiz.* 41 no. 1:111-117 Ja '65.

Polyene compounds. Report No. 17: Condensation of vinyl ethyl ether with ethyl ketone. D. M. Mikhailov, G. S. Ter-Sisakian, A. A. Bystritskaya. *Izv. AN SSSR. Ser. khim.* no. 3:113-116 '65.

Reaction of the addition of glycols and polyethylene glycols to vinyl butyl ether. M. P. Shostakovskii and others. *Zhurn. ob. khim.* 45 no. 1:61-65 Ap '65.

Structure of acrolein copolymers with vinyl aryl ethers. M. P. Shostakovskii and others. *Dokl. AN SSSR* 162 no. 1:124-126 My '65.

# VINYLIATION

Direct fluorovinylation. A. Ia. Iakubovich, A. I. Greshner, I. N. Bel'man. *Dokl. AN SSSR* 161 no. 6:110-114 Ap '65.

Triethanolamine vinylation reaction. M. I. Shostakovskii and others. *Izv. AN SSSR. Ser. khim.* no. 1:100-101 '65.

# VINYLDIENE COMPOUNDS

Oriented polyvinylidene chloride produced by emulsion polymerization from the aqueous phase on oriented polymer supporting structures. A. V. Vinograd and others. *Dokl. AN SSSR* 161 no. 4:1057-1060 Ap '65.

# VIOLONCELLO

Laz'ko, A. A. [The violoncello.] *Violonchel'. Moskva, Muzyka*, 1965, 49 p. (Muzyka i nye instrumenty).

# VIRGIN TERRITORY—AGRICULTURE—ACCOMPLISHMENTS

Results of the study of industrial transmutation in workers of the republic of the state farms in the Virgin Territory. G. V. Tsel. *Ortop., travn. i prod.* 26 no. 1:73-77 Ja '65.

# VIRGIN TERRITORY—AGRICULTURE—LABOR PRODUCTIVITY

Role of the press in the dissemination and introduction of advanced practices in agriculture (1961-1964). Z. Aitmov. *Vost. AN Kazakh SSR* 21 no. 4:55-57 Ap '65.

# VIRGIN TERRITORY—AGRICULTURE—STUDY AND TEACHING

Young Virgin Territory workers are growing up. G. S. Tolmachev. *Shkola i prod.* 10 no. 5:17-19 My '65.

# VIRGIN TERRITORY—BUILDING STONES

Material is cheap and should be used. V. Syvill'nyi. *Naukhoz. Kazakh.* 23 no. 4:76-78 Ap '65.

# VIRGIN TERRITORY—CRAWLER TRACTORS—COLD WEATHER OPERATION

Work indices of a crawler tractor operating on snow-covered virgin lands. A. Shukov, V. Iankin. *Zakup. sel'khoz. prod.* 25 no. 4:10-12 Ap '65.

# VIRGIN TERRITORY—GRAIN BREEDING

Development of the breeding of grain crops in the Virgin Territory. V. P. Kuz'min. *Vost. AN Kazakh SSR* 21 no. 3:52-59 Mr '65.

# VIRGIN TERRITORY—GRAIN TRADE

Supply grain procurement centers in the Virgin Territory with a capable force of workers. *Zakup. sel'khoz. prod.* no. 3:31-32 Mr '65.

# VIRGIN TERRITORY—HEMIPTERA

Nature of the formation of Hemiptera fauna in the biocenoses of a wheat field after the development of virgin lands. V. N. Barov. *Trudy Vses. ent. ob-va* 50:37-45 '65.

# VIRGIN TERRITORY—NEWSPAPERS

Role of the press in the dissemination and introduction of advanced practices in agriculture (1961-1964). Z. Aitmov. *Vost. AN Kazakh SSR* 21 no. 4:55-57 Ap '65.

# VIRGIN TERRITORY—POULTRY INDUSTRY

Indifference in the enemy of the "blue virgin land". V. Koshelev. *Zakup. sel'khoz. prod.* no. 3:47-49 My '64.

# VIRGIN TERRITORY—RURAL CONSTRUCTION

Problems requiring prompt solution. V. Nasedkin. *Ekon. st. ol.* no. 12:47-51 D '64.

# VIRGIN TERRITORY—WEED CONTROL

Ways for increasing the effectiveness of chemical control of perennial stoloniferous weeds in the Virgin Territory. IU. N. Geshovt. *Agrokhimika* 4 no. 1:136-145 Mr '65.

# VIRGIN TERRITORY—WHEAT—DISEASES AND PESTS

Nature of the formation of Hemiptera fauna in the biocenoses of a wheat field after the development of virgin lands. V. N. Barov. *Trudy Vses. ent. ob-va* 50:37-45 '65.

Some factors regulating injuriousness of *Hadena acidit* Bkh., *Haplorthrips tritici* Kurd. and stinkbugs in the wheat fields of the Virgin Territory. V. I. Tanskii. *Trudy Vses. ent. ob-va* 50:170-182 '65.

## VIRILISM

Removal of arrhenoblastoma -- a virilizing tumor of the ovary M.G. Tkachenko Vest khim. 82 no. 6:115-116 Je '61

## VIROLOGY

(see also subdivision under Rumania)

Akademii meditsinskikh nauk SSSR, Moscow.  
[Problems of sanitary bacteriology and virology]  
Voprosy sanitarnoi bakteriologii i virusologii.  
Pod red. L.I. Mat's. Moskva, Meditsina, 1965.  
263 p.

Formation of virus particles on the account of enzyme systems and structural proteins induced by another "helper" virus V.I. Agol, G.A. Shurman Vop virus 10 no. 1:8-13 Ja-I '65

Study of the early stages of the interaction of viruses with sensitive cells Report No. 3 Significance of the phosphate groups of the cell membrane for firm attachment of the virus to the cellular surface N.V. Kaverin Vop virus 10 no. 1:14-17 Ja-F '65

## VIROLOGY--TECHNIQUE

Improving the method for mining virus-containing tissues. N.V. Likhachev and others Vop. vet. virus. 1:88-91 '61

Producing purified preparations of the virus of foot-and-mouth disease from various animal tissues using chloroform N.V. Klenina, E.P. Lebedeva, V.S. Antonov Vop. vet. virus 1:196-202 '64

Purification and concentration of the virus of hog cholera. I.S. Bychkov Vop. vet. virus 1:283-288 '61

Purification of the virus of foot-and-mouth disease using askanigel. S.I. Barulava Vop. vet. virus 1:203-208 '64

Purifying the lapinized virus of foot-and-mouth disease. M.M. Vorob'eva. Vop. vet. virus 1:100-105 '64

## VIRUS DISEASES

(see also subdivision under Volgograd District, Donetsk Province)

Acetoxane and interferon in virus infections. Z.V. Ermolova and others. Trudy TSIU 68:145-149 '64.  
Diseases in virus diseases; a review of literature. D.L. Shura-Bura, M.A. Zolotarevskii. Voen.-med. zhur. no. 11:45-49 '64.

Evaluation of laboratory and clinical methods in the diagnosis of respiratory viral infections in children M.F. Sukhareva, R.S. Diezin, N.L. Tiivus. Sov. med. 28 no. 1:75-79 Ja '65.

## VIRUS DISEASES OF ANIMALS

Detecting the virus of infectious laryngotracheitis of poultry using tagged fluorescent antibodies V.N. Slavin, M.A. Shestochenko, Z.I.A. Chistova. Vop. vet. virus. 1:426-430 '64.

Pathomorphological changes in the placenta following some virus infections in vitro N.A. Makolovich, B.N. Anisimova Dokl. AN SSSR 162 no. 4:937-939 Ja '65

Studying the biological characteristics of the virus of infectious laryngotracheitis of fowl. G.A. Lezhova, A.I.A. Urushadze. Vop. vet. virus. 1:101-112 '64.

Virulence of the virus of infectious laryngotracheitis of poultry. Z.I.A. Chistova, V.N. Slavin. Vop. vet. virus 1:433-435 '64.

## VIRUS DISEASES OF ANIMALS--ABSTRACTS

Annotations, reports, and summaries of individual papers received for inclusion in the collection. Vop. vet. virus. 1:565-568 '64.

## VIRUS DISEASES OF ANIMALS--BIBLIOGRAPHY see Bibliography--Virus diseases of animals

## VIRUS DISEASES OF PLANTS

(see also subdivision under Crimea)

Some methods of studying plant viruses in the Laboratory headed by Professor H. Shramm Mikrobiol. zhur. 26 no. 3:90-93 '64.

Studying infectious degeneration of grapes in Moldavia. V.I. Kutasevich, I.S. Popushoi. Infek. zab. kul't. rast. Moldi. no. 1:122-127 '62.

Use of gibberellin for determining the latent and inconspicuous forms of virus diseases of potatoes. P.G. Chesnokov. Biol. VIR no. 10:3-7 '67

Viruses infecting broad bean. V.H. Kralov. Mikrobiol. zhur. 26 no. 3:82-89 '64.

## VIRUS RESEARCH

(see also subdivision under Ukraina)

Actinorhynch D as a vital dye and fluorochrome. F.I. Ershov, V.M. Zhdanov. Dokl. AN SSSR 162 no. 4:932-933 Je '65

Antiviral activity of quaternary salts of 4-n-dialkylaminophenylpyridines and chlorine-copper complexes of pyridine bases of the carbonaceous tar. B.S. Cherkasskii and others. Dokl. AN SSSR 161 no. 6:1208-1211 Ap '65.

## VIRUSES

Electron microscopy of wheat streak mosaic virus. A.E. Protsenko, R.M. Legunkova. Vop. virus. 10 no. 1:23-26 Ja-F '65.

Recent data on the molecular structure of viruses. Kh. Zh. Zhumatov. Vest AN Kazakh SSR 21 no. 3:28-39 Mr '65

Synplasm-forming activity of viruses. F.I. Ershov

Vop. virus 10 no. 1:3-7 Ja-F '65

## VIRUSES--CULTURES AND CULTURE MEDIA

Adaptation of the virus of Aujeszky's disease to the subinoculated KEM-La cell line B.I. Surin Vop. vet. virus. 1:488-496 '64.

Cell multiplication and viral infection in tissue culture. S.I.A. Zolotarev Arkh. anat., gist i embr. 46 no. 4:95-103 Ap '64.

Characteristics of some properties of the virus of hog cholera grown in tissue cultures. A.B. Terlikhanov. Vop. vet. virus 1:257-262 '64

Labeling the Newcastle disease virus with P<sup>32</sup> and cysteine S<sup>35</sup> in a chicken embryo. A.A. Sulimov, V.N. Slavin. Vop. vet. virus. 1:558-564 '64

Methods for experimental selection of avirulent variants of the viruses of Newcastle disease and European chicken plague. V.N. Surin and others. Vop. vet. virus 1:327-339 '64.

Morphological and cytochemical characteristics of the tissue culture of a calf kidney infected by the virus of foot-and-mouth disease. V.F. Sushkov, E.V. Labetskii, V.A. Seleznev. Vop. vet. virus. 1:142-147 '64.

Morphological and functional changes in blood and bone marrow cells of chicken embryos infected with the virus of foot-and-mouth disease. I.G. Grinets. Vop. vet. virus. 1:155-164 '64.

Morphological and histochemical changes in the survived tongue epithelium of cattle infected with the virus of foot-and-mouth disease L.M. Pichugin, S.F. Chevelev. Vop. vet. virus 1:148-154 '64.

Nitrogen metabolism in the culture of the survived tongue epithelium of cattle in the process of the reproduction of the virus of foot-and-mouth disease. L.A. Kopteva, D.A. TSuverskalov, R.I. Mel'nik. Vop. vet. virus 1:176-180 '64.

Nitrogen metabolism in the tissue culture of a cattle kidney during the process of the reproduction of the virus of foot-and-mouth disease L.A. Kopteva, D.A. TSuverskalov, G.E. Pankova. Vop. vet. virus. 1:166-175 '64.

Reproduction of type A foot-and-mouth disease virus in a suspension of the kidney cells of cattle. A.A. Stasiukin, I.S. Kuchmasov, M.S. Stasiukina. Vop. vet. virus 1:138-141 '64

Reproduction of viruses in the culture of the survived tissue of immune animals. V.A. Sergeev and others Vop. vet. virus. 1:60-87 '64.

Submicroscopic changes in the chorionallantoic membrane infected with the virus of pigeon pox. E.I. Skalskii. Vop. vet. virus. 1:131-144 '64.

Submicroscopic changes in the chorionallantoic membrane of chicken embryo during the formation on an artificial air pocket. E.I. Skalskii Vop. vet. virus. 1:40-54 '64.

Susceptibility to the foot-and-mouth disease virus of the cultures of some tissues grown in a culture medium containing Hottinger's hydrolysate. G.E. Pankova. Vop. vet. virus. 1:7-8 '64.

Use of the cultural virus of hog cholera for the preparation of vaccines and hyperimmune sera. S.K. Mikhailov and others. Vop. vet. virus. 1:233-256 '64.

Use of the cultured virus of foot-and-mouth disease for the production of vaccines and diagnostic preparations. R.I. Mel'nik and others. Vop. vet. virus. 1:104-137 '64.

## VIRUSES, EFFECT OF DRUGS ON

Components and antiviral properties of some streptothricin antibiotics. K.I. Germanova and others. Antibiotiki 10 no. 2:117-122 F '65

## VISCERA

Characteristics of the postnatal growth of viscera in Berkshire and Mangalia swine and their crosses with Large White swine. V.G. Ogil. Trudy mol. uch. UASIN no. 9:24-27 '63.

Visceroreflex paroxysmal syndrome. N.K. Bogolepov. Sov. med. 28 no. 5:34-37 My '65.

## VISCERA--INNERVATION

Reflex influences from the receptors of some internal organs on the lymph circulation. M.I. Kechanina. Trudy Inst. fiziol. AN Kazakh SSR no. 6:101-287 '65.

## VISCOSE

Colton viscose gauze of loose weave structure. N.A. Shlugov, Z.V. Mikritcheva, A.I. Menzheritskii. Voen.-med. zhur. no. 11:93 '64.

Ways to reduce ash content of viscose cellulose. V.S. Kotov, V.I.A. Iakovlev. Bum. prom. no. 4:11-14 Ap '65.

## VISCOSIMETRY

Apparatus for measuring the viscosity of liquids. B.K. Martens. Trakt. i sel'khozmas. no. 4:40-41 Ap '66.

Effect of additives on the mobility of cement slurry. R.Sh. Rakhimkulov, E.M. Solov'ev. Burenie no. 7:23-27 '64.

Instrument for measuring the apparent viscosity of cement slurry. R.Sh. Rakhimkulov, G.N. Khangal'din. Burenie no. 6:14-17 '64.

Viscosity meter for determining the structural-mechanical indices of clay muds at high temperature. S.A. Gudzhiyev, A.M. Avanesova. Burenie no. 3:12-15 '64

## VISCOSITY

Application of the Monte Carlo method for studying flows of viscous liquids F.N. Isaevskii. Izv. vys. ucheb. zav., khim i khim. tekhn. 7 no. 6:1021-1025 '61.

Connection between the conductance of a solution and dielectric constant and viscosity of the medium. I.A. F. Mezhenyi. Ukr. khim. zhur. 31 no. 1:42-44 '65.

Effect of alkali metal cations on the viscosity of toluene and xylene solutions. E.I.A. Gorenblit, G.G. Rusin Ukr. khim. zhur. 30 no. 6:582-588 '64.

Light scattering and viscosity of solutions of poly-o-carbethoxyphenyl methacrylamide in chloroform O.V. Kallistov, S.S. Madanjan, G.L. Grigorian Vysokom. sred. 7 no. 1:98-100 Ja '65

Periodical singularities on the viscosity polythems of tributyl phosphate and its solutions A.N. Kirgintsev, L.N. Efanov Izv. AN SSSR, Ser. khim. no. 4:625-631 '65.

Studying the causes of ejection from converters. I.L. Ivanovskii and others Izv. vys. ucheb. zav., Chern. met. 8 no. 5:31-39 '65

## VISHNEVSKII, VSEVOLOD VITAL'EVICH, 1900-1951

War diaries of Vsevolod Vishnevskii. A.I.A. Greben'shchikov O. publits. i. publits. no. 1:107-126 '64.

## VISION

Corpora geniculatum laterale and the visual cortex following enucleation in rats. I.I. Figurina. Nauch. soob. Inst. fiziol. AN SSSR no. 3:164-167 '65.

"Skin vision" of R. Kuleshova. M.M. Bongard, M.S. Smirnov. Biofizika 10 no. 1:148-154 '65.

Study of the afferent flow on various levels of the visual system by the total electric response. I.A. Shevelev, L.Kh. Khikis. Zhur. vys. nerv. detat. 15 no. 1:148-155 Ja-F '65.

Threshold light intensity of moving point sources. A.I. Lazarev, N.I. Pinegin. Dokl. AN SSSR 161 no. 4:953 Ap '65.

Transformation of visual information at the mesencephalon level. N.N. Lubimov. Zhur. vys. nerv. detat. 15 no. 1:158-162 Ja-F '65.

## VISUAL AIDS

Electrically illuminated educational posters without the use of metal. V.V. Russachin. Vest. vys. shkoly 23 no. 4:88-89 Ap '65.

Manufacture of visual aids in geometry by school workshops. A.A. Postnov. Uch. zap. CHGPI 3 no. 3:78-85 1962.

Visual aids out of paraffin M.V. Syvtsev, O.V. Stepanenko. Rad. shk. 44 no. 5:100-102 My '65.

## VISUAL PURPLE

Connection between rhodopsin luminescence and X-ray visibility. T.S. M. Avakian Biofizika 10 no. 1:189-191 '65.

## VITAMIN METABOLISM

Metabolism of water-soluble vitamins under conditions of a hot climate. N.Y. Zhuk, V.F. Shurayeva. Voen.-med. zhur. no. 7:45-48 '64.

## VITAMINS

Effect of individual vitamins and their complexes on the conditioned reflex activity in pigeons. A.I. Mordovtsev, L.P. Bol'shova Vop. pit. 23 no. 5:41-45 S-O '64.  
Effect of the vitamins B<sub>1</sub>, B<sub>6</sub>, B<sub>12</sub> and C on the motor activity of the stomach, the small and the large intestines in patients with chronic enterocolitis and colitis. A.G. Saakian, N.L. Arutunova, E.A. Nikolaeva. Vop. pit. 23 no. 5:45-50 S-O '64.

Moscow, Tsentralnyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Vitaminization of food for mass consumption] Vitaminizatsia pishchevykh produktov massovogo pol'ebeniia. Moskva, 1964. 41 p.

[MICROFILM]

Vitamin accumulation dynamics in the tops of Polygonum Weyrichii Fr. Schmidt. I.I. Chakalinskaya, T.U. Valad'ko. Vestn. AN BSSR, Ser. bifal. nav. no. 1:65-68 '65.

"Vitamins, their chemistry and biochemistry" by Jiri Franger. Review by B.M. Sumisov. Vop. pit. 23 no. 5:82-83 S-O '61.

## VITAMINS--A

Change in some indices of protein metabolism in experimental sheep and rabbit fasciolosis and the normalizing role of vitamin A. F.A. Chubarian. Izv. AN Arm. SSR, Biol. nauk 18 no. 2:57-67 F '65

Effect of vitamin A and nicotinic acid on some indices of the condition of the blood anticoagulation system in experimental hypercholesterolemia. A. Sh. Bychevskii. Vop. pit. 23 no. 5:33-40 S-O '64.

## VITAMINS--B

Effect of cortisone on the concentration of vitamins B<sub>1</sub>, B<sub>2</sub> and C in the tissues of rats. M.I. Smirnov and others. Probl. endok. i gorm. 11 no. 1:78-81 Ja-F '65.

Synthesis and consumption of B group vitamins by dysenteric bacilli. O.A. Kiprianova. Mikrobiol. zhur. 27 no. 2:32-39 '65.

VITAMINS—B<sub>1</sub> see Thiamine

VITAMINS—B<sub>2</sub> see Riboflavin

VITAMINS—B<sub>12</sub> see Cyanocobalamin

VITAMINS—C see Ascorbic acid

VITAMINS—D

Effect of vitamin D on the activity of alkaline phosphatase in the blood and bones of white rats as related to the calcium and fat content in the diet. K. K. Golikov. Ukr. biochim. zhurn. 31 no. 1:57-104 '85.

Experimental hypertension induced by the administration of vitamin D. T. G. Ehmova. Trudy Khim. med. inst. no. 36-103-107 '87.

Vitamin D requirements of breast-fed infants. L. M. Belkova. Vop. pit. 23 no. 5:63-67 S-O '84.

VITAMINS—E see Tocopherol

VITAMINS—G see Riboflavin

VITAMINS—H see Biotin

VITAMINS—P see Bioflavonoids

VITAMINS—X see Bioflavonoids

VITAMINS—EFFECT ON PLANTS see Plants, Effect of vitamins on

VITEBSK PROVINCE—CIVIL DEFENSE—STUDY AND TEACHING

The cause is his responsibility. A. Akopov. Voen. znani. 1 no. 6:20-21 Je '85.

VITEBSK PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Lobanok, V. E. [In the battles for the motherland] V. Belokh za Rodinu. 3, dop. izd. Minsk, Belarus', 1964. 409 p.

VITICULTURE see subdivision under Moldavia, Ukraine

VITICULTURE—EQUIPMENT AND SUPPLIES

Attachment for unearthing grapevines. A. Sharov. Tekh. v sel'khoz. 25 no. 4:17-18 Ap '85.

Machine for cutting and hauling grapevines. A. G. Olov. Tr. Pecherian. Tekh. v sel'khoz. 25 no. 4:49-51 Ap '85.

VITIM PLATEAU—PHYSICAL GEOGRAPHY

Mukhina, L. I. [The Vitim Plateau: natural conditions and regionalization] Vitimskoe gosokogor'e; prirodnye usloviya i raionirovanie. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1965. 134 p.

VITREOUS HUMOR—DISEASES

Physiology and pathology of the vitreous body. V. N. Arkhangelskii. Trudy i-go MMI. 32:7-27 '64.

VITREOUS STATE

Glass formation in the systems containing complexons. A. V. Nikolayev, V. A. Logvinenko, N. N. Kalazova. Dokl. AN SSSR. 162 no. 3:503-506 My '85.

VITUSHINSKII, VIKTOR IVANOVICH, 1885-1964

Viktor Ivanovich Vitushinskii, an obituary. Arkh. pat. 27 no. 5:45-46 '61.

VIZHNITSA (UKRAINE)—MUSEUMS

Vizhnitsa National Museum. P. M. Shulyk. Rad. shk. 43 no. 4:75-78 Ap '65.

VLADIMIR—INSURANCE, SOCIAL

Every case should be reviewed. V. Lebedev. Sots. obshch. 26 no. 4:21 Ap '85.

VLADIMIR PROVINCE—FIELD CROPS—FERTILIZERS AND MANURES

Effect of the forms of potassium fertilizers on crop yields in light soils of Vladimir Province. D. A. Altunin. Agrokhimia. no. 4:118-120 Ap '84.

VLADIMIR PROVINCE—FURNITURE INDUSTRY

Lashchayev, S. M. [Measures for the specialization of the furniture industry in Vladimir Province] Meropriyatiya po spetsializatsii mebel'noi promyshlennosti Vladimirskoi oblasti. Moskva, Tsentr. nauchno-issl. i informatsii i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatvatel'skoi promyshl. i lesnomu khoz., 1984. 28 p. (Derevo-obrabotka)

[MICROFILM]

VLADIVOSTOK—HARBOR—COST OF OPERATION

It is in the interests of production. E. Fisher. Mor. flot. 25 no. 5:19-20 My '85.

VOCATIONAL EDUCATION

[see also subdivision under Armenia; Egypt; Moscow; Rustavi, Georgia; Saratov Province; Yugoslavia]

Children's technical creativity. V. S. Barteneva. Shkola i prosv. 9 no. 4:72-74 Ap '85.

"Common market" and the problems of vocational education. V. I. Malinin. Shkola i prosv. 9 no. 4:86-90 Ap '85.

Comprehensive assignments. G. Zukler. Prof.-tekhn. obr. 22 no. 2:13 F '85.

First steps of a foreman school. I. Germanuk. Prof.-tekhn. obr. 22 no. 2:29 F '85.

For service industries. Prof.-tekhn. obr. 22 no. 5:10-11 My '85.

In the State Committee on Technical and Vocational Education at the State Planning Commission of the U.S.S.R. Prof.-tekhn. obr. 22 no. 5:10 My '85.

In the State Committee on Vocational and Technical Education at the State Planning Commission of the U.S.S.R. Prof.-tekhn. obr. 22 no. 4:14 Ap '85.

Instructor learns and teaches. V. Grachev. Prof.-tekhn. obr. 22 no. 5:24-25 My '85.

Let's expand and improve the training of workers in the country. Prof.-tekhn. obr. 22 no. 5:2-3 My '85.

New shift is growing up. V. Rjabov. Prof.-tekhn. obr. 22 no. 2:22-23 F '85.

Problems of the system of vocational and technical education in 1985. A. Bulgakov. Prof.-tekhn. obr. 22 no. 2:1-2 F '85.

Reliability is the slogan. V. Ivanov, V. Moiseev. Prof.-tekhn. obr. 22 no. 5:26-27 My '85.

Stimulating the active participation of students in industrial training classes. A. Shvedov. Prof.-tekhn. obr. 22 no. 2:8-10 F '85.

Students should know the modern methods of work. T. Murav'eva. Prof.-tekhn. obr. 22 no. 1:10-11 Ap '85.

Teaching students to plan their work. V. S. Pletnev. Shkola i prosv. 9 no. 5:26-28 My '85.

Technical training as a guarantee of rhythmical work in a shop. M. Popkovich. Prof.-tekhn. obr. 22 no. 4:24 Ap '85.

We shall not remain indebted. S. Folomenov. NTO. 7 no. 4:33-31 Ap '85.

Who will work the machines? N. Ottenberg. Prof.-tekhn. obr. 22 no. 5:8-9 My '85.

Work area of an instructor. V. A. Stepinin. Shkola i prosv. 9 no. 5:65-67 My '85.

VOCATIONAL EDUCATION—TEACHER TRAINING

Practical training for foremen. V. Bittukov. Prof.-tekhn. obr. 22 no. 2:10-11 F '85.

VOCATIONAL GUIDANCE

Vocational orientation of students. I. V. Mokhov. Shkola i prosv. 9 no. 5:41 My '85.

VOCATIONAL INTERESTS

[see also subdivision under Novosibirsk]

Let us face the facts. V. A. Iadov. Vop. filoz. 10 no. 5:107-115 '85.

VOINOV, LEONID IVANOVICH, 1853-1905

Malinina, O. V. Leonid Ivanovich Voinov. [Leningrad] Meditsina, 1965. 49 p.

VOINOVA, TATIANA, 1938-

Tonia, A. Vlasukov. Kryl. rod. 13 no. 3:12-13 Mr '82.

VOLATILITY

Volatilization rate of lead sulfide in the atmosphere of various gases at 900°-1400°C. S. M. Kozhalmetov and others. Vest. AN Kazakh SSR. 21 no. 4:54-70 Ap '85.

VOLCANIC ASH, TUFF, ETC. see subdivision under Caspian Lowland

VOLCANOES

[see also subdivision under Kazakhstan]

Volcanism and tectonics. Geotektonika. no. 1:134-136 Ja-F '85.

VOLCANOES—CONGRESSES

Second All-Union Volcanological Conference (Petrozavodsk-Kamchatka) in September 1984. K. G. Shtrintsin. Izv. AN Arm. SSR. Nauki o zem. 18 no. 1:75-80 '85.

VOLGA-BALTIC SEA WATERWAY—SHIPPING

First year of navigation on the Volga-Baltic Sea Waterway. V. Vaselev. Rech. transp. 24 no. 3:13-14 '85.

VOLGA-BALTIC SEA WATERWAY—SHORE PROTECTION

Landscaping and protection of the banks of the Volga-Baltic Sea Waterway through afforestation. V. Afanas'ev. Rech. transp. 24 no. 3:40-50 '85.

VOLGA-BALTIC SEA WATERWAY REGION—LANDSCAPE GARDENING

Landscaping and protection of the banks of the Volga-Baltic Sea Waterway through afforestation. V. Afanas'ev. Rech. transp. 24 no. 3:49-50 '85.

VOLGA-DON CANAL REGION—IRRIGATION

Effect of irrigation on the processes of nitrification in light-colored chestnut soils of the semidesert zone. P. E. Proskakov, IU. A. Gerasimov. Agrokhimia. no. 2:33-44 F '85.

VOLGA ECONOMIC REGION—BONUS SYSTEM

Issuing bonuses to workers for products accepted on first delivery. N. Aparin, I. Galitskii. Sots. trud. 10 no. 2:32-38 '85.

VOLGA ECONOMIC REGION—QUALITY CONTROL

Issuing bonuses to workers for products accepted on first delivery. N. Aparin, I. Galitskii. Sots. trud. 10 no. 2:32-38 '85.

VOLGA RIVER—NAVIGATION—SAFETY MEASURES

Volga has become a safe and deep waterway. V. Kozlov. Rech. transp. 24 no. 4:39-10 '85.

VOLGA RIVER—REGULATION

Volga has become a safe and deep waterway. I. Kozlov. Rech. transp. 24 no. 1:39-40 '85.

VOLGA RIVER—ROACH (FISH)

Observations on elementary populations of the Caspian roach (Rutilus rutilus caspius L.) in a river by means of marking. A. N. Pansova. Biol. MOIP. Otd. biol. 10 no. 2:17-54 Mr-Apr '85.

VOLGA RIVER—SHIPPING

Development of the shipping of round timber in the Volga-Kama basin. N. Makhotkin, V. Kuz'min, IA Zhurnal. Rech. transp. 24 no. 3:16-17 '85.

VOLGA-URAL PETROLEUM REGION see Second Baku

VOLGA-URAL REGION—SALT DOMES

Methodology of studying the geological structure of salt domes in the Volga-Ural interfluve. I. M. Bravai. Vest. AN Kazakh SSR. 21 no. 4:85-92 Ap '85.

VOLGA VALLEY—APATITE

Concerning the mineralogy, chemical composition and genesis of Alaba concretions and phosphorite of the right bank of the Volga River in the area of Saratov Province. S. P. Loktionov. Izv. vuz. ucheb. zav., geol. i razv. 7 no. 11:132-133 N '84.

VOLGA VALLEY—CLAY

Evaluating the adsorption capacity of certain type clays in the Volga Valley by water and benzene. V. I. Klinev, F. A. Silchenko. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 7 no. 6:1021-1024 '81.

VOLGA VALLEY—GRAIN—DISEASES AND PESTS

Nature of the harmful fauna formation in grain fields of the limans of the trans-Volga region. V. P. Antonov. Trudy Vses. ent. ob-shch. 50:240-271 '85.

VOLGA VALLEY—OIL RESERVOIR ENGINEERING

Efficient complexes of geophysical and hydrodynamic investigations of absorbing horizons in Volga-Ural regions. A. N. Kukin. Burenie. no. 7:10-11 '81.

VOLGA VALLEY—OIL WELL COMPLETION

Analyzing the organization of work done on the testing and sampling of wells of the Middle-Volga Council for the National Economy. V. I. Masich, A. I. Petrichik, S. N. Shandin. Burenie. no. 8:23-25 '81.

VOLGA VALLEY—PINE BREEDING

Hybridization of pine in the lower Volga Valley. I. V. Kalitina, Shor. nauch.-issl. rab. VNIALMI. no. 20:13-23 '80.

VOLGA VALLEY—RURAL CONSTRUCTION

Volga Valley State Administration for Rural Construction. P. Shchukin. Sel'stroi. 19 no. 1:11 Ja '85.

What hinders work at rural construction sites of the Main Construction Administration of the Upper Volga Valley? P. Lipkin. Sel'stroi. 19 no. 1:10 Ja '85.

VOLGA VALLEY—RURAL ELECTRIFICATION

Seven-year plan for electrification has been carried out. V. Senikov. Sel'stroi. 19 no. 1:6-7 Ja '85.

VOLGA VALLEY—SOIL MOISTURE

Change in the water stability of aggregates as a result of the farm crop cultivation on soils of the dry trans-Volga region. R. N. Tiurina-Zelinskaya. Nauch. dokl. vuz. shkoly; biol. nauk. no. 2:208-208 '85.

VOLGA VALLEY—WHEAT—DISEASES AND PESTS

Characteristics of the formation of harmful fauna in wheat fields and the problems of plant protection in virgin areas of northern Kazakhstan and the trans-Volga region. T. G. Grigor'eva. Trudy Vses. ent. ob-shch. 50:5-56 '85.

VOLGA VALLEY—WINDBREAKS, SHELTERBELTS, ETC.

Growth of tree species under irrigation. V. V. Lobachev. Shor. nauch.-issl. rab. VNIALMI. no. 20:58-59 '80.

VOLGA-VYATKA ECONOMIC REGION—MACHINERY INDUSTRY

Public survey of machinery and metalworking plants of the Volga-Vyatka Economic Council. A. G. Komisarov. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 2:60-61 F '85.

VOLGA-VYATKA ECONOMIC REGION—PIPE INDUSTRY

Organization of industrial production of welded pipes from nonferrous metals. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 3:14-5 Mr '85.

**VOLGOGRAD—AUXILIARY POLICE**

Glebov, I. A., and S. P. Lushin. [Guarding public order] Na strazhe obshchestvennogo poriadka. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 64 p. [MICROFILM]

**VOLGOGRAD—INDUSTRIAL MANAGEMENT**

The workshop manager is responsible for the education of workers. G. Kukhar. Part. zhizn' no. 10-11 My '65.

**VOLGOGRAD—LABOR AND LABORING CLASSES—EDUCATION**

The workshop manager is responsible for the education of workers. G. Kukhar. Part. zhizn' no. 10-11 My '65.

**VOLGOGRAD—LAW ENFORCEMENT**

Glebov, I. A., and S. P. Lushin. [Guarding public order] Na strazhe obshchestvennogo poriadka. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 64 p. [MICROFILM]

**VOLGOGRAD—LOADING AND UNLOADING**

Work in coordination with the railroads. N. Bakhtin. Rezh. transp. 24 no. 4-17 '65.

**VOLGOGRAD—PETROLEUM INDUSTRY—CONGRESSES**

Broaden the development of the movement for communist labor. O. Prokoptev. Nefteknik 8 no. 5-38 My '63.

**VOLGOGRAD PROVINCE—AFFORESTATION**

Afforestation interfluvies on the right bank of the lower Volga. L. I. Rastorguev. Sbor. nauch.-issl. rab. VNIILMI no. 20, 79-81 '60.

**VOLGOGRAD PROVINCE—BIOGRAPHY**

[They were delegates to the 22d Congress of the CPSU] Oni byli delegatami XXII s'ezda KPSS [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 142 p. (CST-II)

**VOLGOGRAD PROVINCE—CRAYFISH**

Abundance and fisheries of crayfish in the bodies of water of Volgograd Province. V. P. Negubov. Ryb. khoz. 4 no. 3:22-23 '65.

**VOLGOGRAD PROVINCE—GAS FIELD DEVELOPMENT**

Developing a group of gas fields with small gas reserves. V. A. Kozlov, B. V. Panayov, V. I. Storozhenko. Gaz. prom. 10 no. 4:8-11 '65.

**VOLGOGRAD PROVINCE—OIL WELL CEMENTING**

Method for the simultaneous exclusion of two drilling-fluid circulation-loss zones. I. A. Kopustin. Burenie no. 6:14-16 '64.

**VOLGOGRAD PROVINCE—PETROLEUM REFINING—EQUIPMENT AND SUPPLIES**

Apparatus for the dehydration of emulsions. I. N. Bybachok, V. M. Pavlov. Mash. i nef. obr. no. 4, 8-10 '65.

Improving the quality and increasing the variety of fishing tools. A. M. Kupritanov, B. V. Murzakov, I. A. Sorenko. Mash. i nef. obr. no. 4, 5-8 '65.

**VOLGOGRAD PROVINCE—POPLAR—VARIETIES**

Viability and growth of the stem cuttings of some poplar species and their hybrids in the Svetlyi Yel Forest Working Circle, Stalingrad Province. N. T. Kochkar'. Sbor. nauch.-issl. rab. VNIILMI no. 28:43-47 '60.

**VOLGOGRAD PROVINCE—STRONTIUM**

Some geochemical characteristics of strontium in the Lower Permian sediments of Volgograd Province. V. F. Moklenko. Dokl. AN SSSR 162 no. 1:189-191 My '65.

**VOLGOGRAD RESERVOIR**

Optimal regime of water release from the Volgograd Reservoir. G. B. Grin. Gidr. i mel. 17 no. 2:17-21 F '65.

**VOLHYNIA—SOCIAL CONDITIONS**

Socioeconomic relations in Volhynia on the eve of the Second World War. S. Vrons'kyl. Ukr. ist. zhur. 8 no. 6:62-66 N-D '64.

**VOLNOVAKHA DISTRICT (DONETSK PROVINCE)—VIRUS DISEASES**

Epidemiological characteristics of an outbreak of Coxsackie virus infection. K. A. Denisov, N. N. Lapin. Zhur. mikro-biol., epid. i immun. 41 no. 10:141-142 '64.

**VOLOGDA PROVINCE—ARCHIVES**

Vologda (Province). Upravlenie vnutrennikh del. Arkhivnyi otdel. [Vologda Archives; collection of documents and materials] Vologodskii arkhiv; sbornik dokumentov i materialov. [Vologda] Vologodskoe knizhnoe izd-vo. No. 1. 1961. 219 p. [MICROFILM]

**VOLOGDA PROVINCE—COLLECTIVE FARMS**

Kuban to Vologda. IU. Chernichenko. Nov. mir 11, no. 4:175-199 Ap '65.

**VOLOGDA PROVINCE—DAIRY PLANTS—LIGHTING**

Studying the illumination of shops in the teaching and experimental plant of the Vologda Dairy Institute. V. D. Zerkinal and others. Sbor. stud. rab. VMI no. 3:67-73 '63.

**VOLOGDA PROVINCE—FORESTS AND FORESTRY**

Some problems of organizing combined working circles and logging camps in Vologda Province. V. G. Sudaev. Sbor. rab. po les. khoz. no. 46:57-68 '63.

**VOLOGDA PROVINCE—HARVESTING MACHINERY—PRODUCTION STANDARDS**

Work of harvesting machinery in Vologda Province. A. V. Kolychev. Sbor. stud. rab. VMI no. 3:87-91 '63.

**VOLOGDA PROVINCE—HISTORY**

Vologda (Province). Upravlenie vnutrennikh del. Arkhivnyi otdel. [Vologda Archives; collection of documents and materials] Vologodskii arkhiv; sbornik dokumentov i materialov. [Vologda] Vologodskoe knizhnoe izd-vo. No. 1. 1961. 219 p. [MICROFILM]

**VOLOGDA PROVINCE—LIBRARIES AND READERS**

To those who listen to lectures on the system of political enlightenment. G. Karaseva. Bibliotekar' 12 no. 3:19-20 Mr '65.

**VOLOGDA PROVINCE—LUMBER TRADE**

Isinskii, A. D. [How to increase the output of me-cha-nizable lumber] Kak povysit' vykhod delovoi drev-siny [Vologda] Vologodskoe knizhnoe izd-vo, 1963. 108 p. [MICROFILM]

**VOLOTKOVSKII, SERGEI ANDRONIKOVICH, 1905-**

Professor S. A. Volotkovskii on his 60th birthday. S. A. Alatorisev and others. Elektrichestvo no. 4:94 Ap '65.

**VOLTAGE REGULATORS**

Determining the optimum correlation between the output and reference voltages of a voltage stabilizer. N. N. Vostokmatov. Izv. tekhn. no. 3:10-43 Mr '65. Methods for the adjustment of multistep electrodynamic voltage regulators. I. G. Bukanov, S. K. Kommutay. Trudy Oren. sel'khoz. inst. 14:183-187 '63.

Photocompensating stabilizers. N. V. Pivovarov and others. Izv. tekhn. no. 3:14-46 Mr '65.

Special features of the sequential operation of transformers with counter connected windings. R. N. Urmanov, I. F. Pavlov. Izv. vys. ucheb. zav. i. elektromekh. 7 no. 7:228-236 '64.

Using the D808-D813 stabilization tubes under high voltage conditions. E. V. Kuchin. Izv. tekhn. no. 3:43-44 Mr '65.

**VOLUMETRIC ANALYSIS see Titration****VOLYN'-PODOLIAN UPLAND—LANDSLIDES**

Landslides on the territory of the western part of the Podolian Upland. A. B. Bogutskii. Izv. Vses. geog. ob-va 97 no. 2:180-191 Mr-Apr '65.

**VOLYN' PROVINCE—LAND FORMS**

Landforms of the Volyn' lake region. P. V. Kilmovich. Geog. sbor. Lvov. otd. Geog. ob-va SSSR no. 8:28-35 '64.

**VOLYN' PROVINCE—PLAGIOCLASE**

Sectorial twinning of plagioclase in the endomorphism of basic rock in the Volhynian pegmatite field. K. M. Kaluzhnaia, V. S. Bagakov. Min. sbor. 18 no. 2:195-198 '64.

**VORKUTA (KOMI A. S. S. R.)—INDUSTRIES**

The Vorkuta industrial center. I. M. Somenov. Izv. Kom. fil. Geog. ob-va SSSR no. 9:17-22 '64.

**VORKUTA REGION (KOMI A. S. S. R.)—HUMUS**

Humus composition of the tundra soils in the Vorkuta region. I. B. Arhegova. Izv. Kom. fil. Geog. ob-va SSSR no. 9:78-82 '64.

**VORKUTA REGION (KOMI A. S. S. R.)—PETROLEUM GEOLOGY**

Oil manifestation in the Vorkuta coal-bearing region of the Pechora Basin. B. M. Zimakov, IU. V. Stepinov. Sov. geol. 8 no. 3:123-127 '65.

**VORONEZH—PIONEERS (COMMUNIST YOUTH)**

Municipal Pioneer camp. I. Prokop'ev. Nar. obr. no. 5:77-78 My '65.

**VORONEZH PROVINCE—COMMERCE**

Improve the administrative apparatus. A. Il'ev, G. Naumov. Sov. torg. 38 no. 5:37-39 My '65.

**VORONEZH PROVINCE—TOXOPLASMOSIS**

Distribution of toxoplasmosis in Voronezh Province. M. A. Zaitlenok, I. A. Markova, V. V. Nopyshnaya. Trudy TSIU 68:73-76 '64.

**VORONEZH PROVINCE—TREES—DISEASES AND PESTS**

Biology of the causative agent of vascular tree mycosis. I. I. Minkovich. Nauch. dokl. vyssh. shkoly, biol. nauki no. 2:185-189 '65.

**VOROSHILOVGRAD PROVINCE see Lugansk Province****VOROVSKII, VASILAV VASILAVOVICH, 1871-1922**

Vorovskii's views of Chekhov. L. F. Morozova. Vsesk. L'viv. un. Ser. filol. no. 1:6-13 '63.

**VORTICE MOTION**

Vorticity effect. A. Merkulov. Izobr. i rats. no. 3:2-3 '65.

**VOZNESENSKII, ANDREI**

Formula of altruism. A. Marchenko. Vop. lit. i nauch. 36-55 Ap '65.

Similar to everything dissimilar. S. Rastadin. Vop. lit. i nauch. 4:55-72 Ap '65.

**VRANGEL' ISLAND—POLAR BEAR**

"Maternity home" of polar bears; winter lairs on Vrangeli Island. S. M. Uspekii, F. B. Chernavskii. Priroda 54 no. 4:81-86 Ap '65.

**VSEVOLOZHSKII FAMILY**

Paper money of the Vsevolozhskii family. A. K. Voinikhin. Ist. SSSR 9 no. 2:210-211 Mr-Apr '65.

**VULCANIZATION**

Reaction of unsaturated elastomers with alkyl phenol-formaldehyde derivatives under vulcanization conditions. L. V. Ginzburg and others. Vysokom. soed. 1 no. 1:55-62 Ja '65.

Vulcanization of conveyor belts. IU. D. Voskobochnikov. Put' i put. khoz. 9 no. 1:39 '65.

**VYSHNIA, OSTAP, pseud.**

From the literary practice of Ostap Vyshnia, feuilletonist for the newspaper "Visti." M. H. Osadchyl. Vianyky L'viv. un. Ser. filol. no. 1:59-64 '63.

Narrator of folk ballads, on the 75th anniversary of Ostap Vyshnia's birth. IU. S. Burilak. Ukr. ist. zhur. 8 no. 6:122-126 N-D '64.

**WAGES**

(see also subdivision under Great Britain) Computing the average earnings. B. Kozlov, R. Livshits, V. Tarasova. Sots. trud 10 no. 2:128-134 '65. In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 10 no. 2:143-143 '65. Methods of stimulating the improvement of production indices in capitalist enterprises. M. Moshenskii. Sots. trud 10 no. 2:111-123 '65.

**WAGES—ACCOUNTING**

(see also subdivision under Latvia) Practice in the use of algorithms for several calculations in wage distribution. I. I. Vol'son. Vop. stat. i ucheta no. 6:24-34 '62.

**WAGES—AUTOMOBILE INDUSTRY see subdivision under Moscow****WAGES—CANNING INDUSTRY**

Work norms for workers employed under the hourly wage systems. Z. A. Iushova. Kons. i ov. prom. 20 no. 5:25-26 My '65.

**WAGES—CHEMICAL INDUSTRIES**

Material incentives for chemical industry workers. I. Alekseev. Sots. trud 10 no. 2:37-38 '65.

**WAGES—CONSTRUCTION WORKERS**

Nozdachov, N. D., V. A. Dubodolov, and Ia. I. Mikoshnikov. [Wages in construction] Opitna truda v stroitel'stvo. Kiev, Budivelnik, 1965. 148 p. Specialization and the division of labor in construction. S. Sharapova. Sots. trud 10 no. 2:65-71 '65.

**WAGES—FLOUR MILLS**

Wages and bonuses; answers to questions. S. Meshakin. Muk. elev. prom. 31 no. 5:28-29 My '65.

**WAGES—FOOD SERVICE**

How to apply the new wage system in trade and public dining. Sots. trud 10 no. 2:134-140 '65.

**WAGES—HOUSING MANAGEMENT**

Communal and everyday-need services, and the economic levers. E. Lopatin. Sots. trud 10 no. 2:48-55 '65.

**WAGES—MACHINE ACCOUNTING**

Wages for individual categories of machine accounting workers. Sots. trud 10 no. 2:140-141 '65.

**WAGES—MACHINERY INDUSTRY**

Need for the hourly bonus wage system and difficulties in applying it. N. Chikirev, A. Arkhipov. Sots. trud 10 no. 2:42-46 '65.

## WALLS—CONCRETE

Turnout to workers of integrated brigades. V. V. Derun, *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

**WALLS—PIPE INDUSTRY** see subdivision under Construction, Dnepropetrovsk region, Moscow

## WALLS—REPAIR TRADE

Construction of concrete walls (Europe, Eastern) *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

## WALLS—STEEL INDUSTRIES

Construction of everyday-need service, and the economic effect. *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

**WALLS—STEEL INDUSTRIES** see subdivision under Production, Dnepropetrovsk region

## WALLS—PAINTS

Airplanes. I. A. Zakharenko. *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

## WALLS—NEWSPAPERS

General no. subdivision under Orenburg Province

[An aid for working journalists, a textbook for workers of editorial correspondence, and attending schools and universities.] Voprosy i resheniya v zhurnalizme i zhurnalizatsii. *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

## WALLS

Bars, E. A., and L. A. Strogina. [Erecting exterior walls of concrete of industrial buildings.] *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

## WALLS—DEFECTS

Methods and results of stand measurement of deformations in the walls and inserts in outer walls of large-panel buildings. I. A. V. Shtanski. *Anal. prich. av. i pov. strel. kor. no. 2* 22-247 '64

## WALLS—THERMAL PROPERTIES

Heat transfer through structural elements. I. P. Zhuk. *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

Thermal properties of the outside walls of buildings. V. L. Strevel'skiy. *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

**WALLS—THERMAL PROPERTIES** see subdivision under Tajikistan

## WAR

In mortal fight of the Soviet people. *Vop. filoz. 19 no. 3* 1-11 '65

**WAR CRIMES** see subdivision under Germany

## WARBLE FLIES

Larvae of a warble fly under the skin of the eyelids in children. T. S. Tshibanova. *Tr. Vsesoyuz. Gos. str. no. 4* 14-15 Ap '65

## WARBLE FLIES—EXTERMINATION

Use of systemic insecticides against warble flies of cattle. G. I. Lianokha. *Khim. i tekhn. no. 3* 69-70 M. '65

## WAREHOUSES—DESIGN AND CONSTRUCTION

Warehouses of special machine-reinforced elements. Z. Abdullin. *Stroitel. no. 1* 16-17 Ja '65

## WAREHOUSES—EQUIPMENT AND SUPPLIES

Kamenetskiy, A. T. [Small-scale mechanization of bookstores and book warehouses.] *Malina mekhanizatsii knizhnykh magazinov i skladoy. Moskva, Kniga, 1965, 133 p.*

## WAREHOUSES—INVENTORIES

Inventories and control. A. Dehagizian, I. A. Sokolov. *Sov. torg. no. 4* 45-48 Ap '65

## WAREHOUSES—VENTILATION

Practical equipment of existing point storehouses with an automatic ventilation system. I. Volkov, G. Shumetov. *Stroitel. no. 1* 14-16 Ja '65

## WARPING MACHINES—PARTS

Steel for making viscous silk warp from cheeses. P. V. Monina, A. S. Shlenova. *Tekst. prom. no. 5* 35-37 My '65

## WARSAW—HISTORY

Materials for the history of the liberation of Warsaw from the German Fascist occupiers. V. N. Zhelanov. *Sov. sluzh. no. 1* 55-60 '65

## WARSAW PACT, 1955

Bator, P. I. [Reliable shield on the 10th anniversary of the conclusion of the Warsaw Pact.] *Nadezhnyi shchit; k 10 letiyu zakhlyucheniya Varshavskogo dogovora. Moskva, Izd-vo "Znanie," 1965, 46 p. (Novoe v shizhi, nauke, tekhnike. VII Seriya: Mezhdunarodnaya, no. 10)*

[In a single formation.] *V ednom strofii. Moskva, Voenizdat, 1965, 229 p.*

Reliable shield of peace. S. Lesnevskiy. *Voen. znan. no. 5* 16 My '65

A treaty of friendship and mutual assistance. V. Golovkin. *Komm. Ukr. no. 3* 61-65 My '65

## WASHING MACHINES

Automatic washing machine with a capacity of 50 kg (ASMTS-50). P. A. Gordeev. *Nov. tekhn. zh. no. 1* 82-88 '61

Centrifugal wringing of clothes in a washer-dryer. V. A. Minaev-Tsikanovskiy. *Nov. tekhn. zh. no. 1* 82-88 '61

Stiff-balancing of the inner cylinders of combined washing machines. V. A. Minaev-Tsikanovskiy. *Sbor. nauch. rab. AKKH no. 7* 65-91 '61

Studying the circulation systems for laundering. A. P. Lev. *Sbor. nauch. rab. AKKH no. 7* 3-14 '61

## WASHING MACHINES—DYNAMICS

Dynamics of the acceleration of the inner cylinder of a combined washing machine. E. E. Tabaka, V. A. Minaev-Tsikanovskiy. *Sbor. nauch. rab. AKKH no. 7* 50-64 '61

## WASHING MACHINES—TESTING

Diameter of the headpieces and the liquid pressure in washing machines. N. I. A. Dikis, N. V. Morozov, A. K. Gladushniak. *Izv. vys. ucheb. zav. i spets. tekhn. no. 1* 136-138 '65

## WASHING POWDERS

New detergent paste for workers in the production of high-melting and heat-resistant metals. S. S. Salkhodzaev, Kh. I. A. Vengerskaia, G. N. Nazayrov. *Porosh. met. no. 4* 100-102 Ap '65

**WASTE, DISPOSAL OF** see Sewage disposal

## WASTE PRODUCTS

Fertilizer but not a waste product. G. Cherenishov. *NTO no. 7* 41-72 Ap '65

## WATER

Effect of the addition of water on globular polyvinyl alcohol solutions. P. I. Zubov, E. A. Osipov. *Vysokom. soed. no. 1* 94-97 Ja '65

Mass spectra of water ionized by a strong electric field. L. V. Gol'denfel'd, V. A. Nazarenko, V. A. Pokrovskiy. *Dokl. AN SSSR no. 4* 861-863 Ap '65

Second alternative for numerating natural waters. N. I. Tolstikhin. *Izv. vys. ucheb. zav. i spets. tekhn. no. 1* 124-126 N '64

**WATER—COMPOSITION** see subdivision under Pacific Ocean; Ukraine

**WATER—MICROBIOLOGY** (see also subdivision under Black Sea)

Characteristics of a typhoid fever outbreak at an industrial enterprise. L. G. Gogol' and others. *Trudy TSIU no. 3* 35-37 '64

Characteristics of water-borne dysentery outbreaks. V. B. Nestorova. *Trudy TSIU no. 3* 40-42 '64

Microbiological characteristics of factors transmitting typhoid fever and paratyphoid in Leninabad and its vicinity. V. L. Lel'kov, L. A. Apostoli. *Trudy TSIU no. 3* 85-87 '64

Rodina, A. G. [Methods of water microbiology; a laboratory manual.] *Metody vodnoi mikrobiologii; prakticheskoe rukovodstvo. Moskva, Nauka, 1965, 361 p.*

## WATER—OZONIZATION

Methods of measuring a concentration of ozone. I. Kh. Bikkurin. *Nauch. trudy AKKH no. 22* '63. *Vod. no. 3* 132-147 '63

## WATER—PURIFICATION

(see also subdivision under Kizel, Perm Province; Sofia)

Distributing systems without supporting layers for contact clarifiers and two-line filters. I. S. Babayev. *Nauch. trudy AKKH no. 22* '63. *Vod. no. 3* 103-119 '63

Mechanism of the flocculating action of industrial polyacrylamide. I. U. I. Veltser, Z. A. Kolobova, R. M. Sterina. *Nauch. trudy AKKH no. 22* '63. *Vod. no. 3* 19-36 '63

Method of determining the doses of lime in the stabilized processing of water. V. G. Barskiy. *Nauch. trudy AKKH no. 22* '63. *Vod. no. 3* 86-90 '63

Possibility of using self-purification of the bodies of water in practical water supply. S. N. Skadovskiy, M. M. Telichenko. *Nauch. dokl. vys. shkoly; biol. nauk no. 2* 173-175 '65

Problems of technical hydrobiology as related to the protection of water supply systems against biological overgrowth. I. P. Lubianov. *Gidrobiol. zhur. no. 1* 33-41 '65

Regulator of the speed of filtration for slow filters. E. A. Silin, N. D. Lombardo. *Gidr. i mel. no. 2* 51-56 F '65

Smirnov, D. N., and A. S. Dmitriev. [Automatic dispensing of reagents in the processing of industrial wastes and in water preparation.] *Automaticheskoe dozirovaniye reagentov pri obrabotke stochnykh vod i v odopodgotovke. Moskva, Strojizdat, 1965, 222 p.*

Study of the effect of polyacrylamide on the process of filtration. I. N. Paskutskaia. *Nauch. trudy AKKH no. 22* '63. *Vod. no. 3* 37-48 '63

## WATER—THERMAL PROPERTIES

International program for studying the thermal and physical properties of water and water vapor. M. P. Vukobratovich, V. V. Sychev. *Teplotnaya gotika no. 12* no. 4 91-95 Ap '65

## WATER, UNDERGROUND

(see also subdivision under Caspian Sea; Caucasus, Northern; II Depression; Kama Valley; Mingelet, Moldova; Moscow; Moscow Province; Murgab Delta; Orekhovo-Zuyovo, Moscow Province; Turkmenistan; Ural Mountain region)

Disruption of the activity of water wells and methods for their restoration. S. I. A. Sureniantz. *Nauch. trudy AKKH no. 27* 142-158 '64

Effect of irrigation from deepened canals on the regime of underground water. N. N. Khodzhaev, A. Dzenbekov. *Uzb. geol. zhur. no. 1* 62-67 '64

Hydrogeological analysis of the water intake of underground water under the conditions of a two-layered medium. N. Rafail. *Vest. Mosk. univ. Ser. 4: Geol. no. 2* 75-86 M. Ap '65

Methods for drilling exploratory-producing wells for water. V. V. Dubrovskiy. *Nauch. trudy AKKH no. 27* 136-141 '64

Problems in the utilization of underground water. D. Shchegolev. *NTO no. 7* no. 3 13-15 Mr '65

Silica in the underground waters of some foreign countries. G. V. Bogomolov, G. N. Plotnikova, I. A. Titova. *Dokl. AN SSSR no. 2* 105-107 F '65

Some methodological instructions for bringing about and processing the results of experimental pump-out from a well revealing a dual-strata medium. V. I. Dandrikov. *Uzb. geol. zhur. no. 1* 63-75 '64

## WATER, UNDERGROUND—ANALYSIS

Bars, E. A., and S. S. Kogan. [Organic matter in the underground waters of oil-bearing provinces; methods of analysis and interpretation.] *Organicheskie veshchestva podzemnykh vod neftegazonnykh oblastey; metodiki analiza i interpretatsii. Moskva, Nedra, 1965, 90 p.*

**WATER, UNDERGROUND—COMPOSITION** see subdivision under Amu Darya Valley; Moscow Province

## WATER, UNDERGROUND—POLLUTION

Distribution of the pollution of ground waters in fine-porous rocks. A. A. Kirpichnikov. *Nauch. trudy AKKH no. 27* 121-135 '64

Problems of the control of the depletion and pollution of underground waters. V. I. Vladimirov, E. I. Minkin. *Nauch. trudy AKKH no. 27* 86-97 '64

## WATER, UNDERGROUND—PURIFICATION

Removing iron from ground water by means of filters. A. M. Perlina, G. V. Balashova, G. S. Gorodnina. *Nauch. trudy AKKH no. 22* '63. *Vod. no. 3* 3-13 '63

## WATER CONSERVATION

(see also subdivision under Orekhovo-Zuyovo, Moscow Province; Russia, Southern)

Problems of the control of the depletion and pollution of underground waters. V. I. Vladimirov, E. I. Minkin. *Nauch. trudy AKKH no. 27* 86-97 '64

**WATER FLEAS** see subdivision under Kuylbyshev Reservoir

## WATER HAMMER

Protection of mine drainage equipment from water hammer. V. V. Voznesenskii, B. P. Kurbatskiy. *Ugol' Ukr. no. 4* 22-23 Ap '65

## WATER JET ENGINES

"Shark" water jet. O. Olegov. *Izobr. i rats. no. 5* 14 '65

## WATER METABOLISM

Effect of cortisone and prednisone on water-salt metabolism and the renal function in dogs. I. U. I. Ivanov. *Probl. endok. i gorm. no. 1* 92-96 Ja-F '65

Mechanism of the tissue swelling in vitro. I. U. I. Madievskiy. *Biokhizika no. 1* 123-129 '65

Nature of the changes in plant leaf impedance following autoscillatory regimen of water metabolism. V. G. Karmanov, S. N. Melashchenko, V. N. Savin. *Biokhizika no. 1* 155-160 '65

Participation of digestive organs in the regulation of water-electrolyte metabolism under various thermal conditions. A. U. Unusov, E. S. Belova. *Fiziol. zhur. no. 3* 378-383 Mr '65

**WATER RESOURCES DEVELOPMENT** see subdivision under Kazakhstan

**WATER SUPPLY** see subdivision under Moscow; Moscow Province

## WATER SUPPLY, INDUSTRIAL

Problems of technical hydrobiology as related to the protection of water supply systems against biological overgrowth. I. P. Lubianov. *Gidrobiol. zhur. no. 1* no. 1 33-41 '65

## WATER SUPPLY, RURAL

**Cherkinskiy, S. N.** [Hygienic problems of water supply of rural populated places] *Gigienicheskie voprosy vodosnabzheniya sel'skikh naselennykh mest*. 2, izd., dop. i ispr. Moskva, Meditsina, 1965. 314 p. (Biblioteka sanitarnogo vracha)

## WATER SUPPLY, RURAL—ECONOMIC ASPECTS

Economic justification of measures concerning water supply in animal husbandry. V. B. Kisev. *Trudy VNIIGM* 44 209-218 '61

## WATER-SUPPLY ENGINEERING

(see also subdivision under United States)

Water-pumping stations. I. Nazarov, F. Bondar. *Inform. biul. VDNKh* no. 1:20 Ap '65.

## WATER TOWERS—TRANSPORTATION

Transporting water towers on gantry sledges. Stroi. *truboprov* 10 no. 2:27 F '65.

## WATER VAPOR

Effect of water vapor on the oxidation of olefins on a copper catalyst. E. N. Popova, I. A. B. Gorokhovskiy. *Ukr. khim. zhur.* 31 no. 3:45-48 '65.  
Experimental investigation of heat and mass transfer during the condensation of water vapor from humid air on a vertical surface under natural convection conditions. P. M. Brdlik, I. A. Kozhinov, N. G. Petrov. *Inzh.-fiz. zhur.* 8 no. 2:243-246 F '65.

## WATER VAPOR—THERMAL PROPERTIES

International program for studying thermal and physical properties of water and water vapor. M. P. Vukalovich, V. V. Sychev. *Teploenergetika* 12 no. 4:94-95 Ap '65.

## WATER VOLES AS CARRIERS OF DISEASE

Epidemiology of tularemia in Semipalatinsk Province. L. M. Baitanovskiy and others. *Zhurn. mikrobiol., epid. i immun.* 42 no. 4:14-18 Ap '65.  
Probability of tularemia infections in man in a focus of floodplain type. D. I. Brikmann. *Zhurn. mikrobiol., epid. i immun.* 42 no. 4:18-20 Ap '65.

## WATERPROOFING

Waterproofing mine shafts in the western Donets Basin. G. I. Vagin, N. T. Logachev. *Shakht. stroi.* 9 no. 4:20-23 Ap '65.

## WATERWORKS INTAKES see Intakes (hydraulic engineering)

## WAVE FUNCTIONS

Correct formulation of a nonlinear mixed problem for a wave function on a plane. V. N. Gol'dberg, I. I. Neimark. *Mat. sbor.* 67 no. 1:16-54 My '65.

## WAVE GUIDES

Analytical calculation of the transfer coefficient of a chain of series connected thin waveguide directional couplers. E. S. Sahlin. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:93-96 Ja-F '65.

Approximate method for designing resonators with a dielectric. G. F. Semenov. *Izv. vys. ucheb. zav., radiotekh.* 3 no. 1:55-64 Ja-F '65.

**Brianskiy, L. N.** [Matching of wave-guide channels] *Soglasovanie volnovodnykh tialkov*. Moskva, Izd-vo standartov, 1965. 58 p.

Calculation of nonuniformities in waveguides using the Lorentz lemma. N. V. Litunov, A. G. Shein, A. I. Tereshchenko. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:11-17 Ja-F '65.

Calculation of the field of a symmetrical air-filled strip line in steady operation. I. S. Kovalev. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:78-86 Ja-F '65.

Carrying capacity of an elliptical waveguide operating in the  $H_{11}$  mode. V. I. Smorgonskiy, A. I. Kovshov. *Radiotekh. i elektron.* 10 no. 6:945-947 My '65.

Cathode field of an anomalous glow discharge in a waveguide. A. M. Starik. *Radiotekh. i elektron.* 10 no. 4:779-780 Ap '65.

Choice of the optimum form of a multiwave rectangular waveguide transition. A. I. Tereshchenko, V. V. Dolzhikov. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:48-54 Ja-F '65.

Design of a square waveguide with a longitudinally magnetized ferrite using an eigenfunction method. V. V. Nikol'skiy and others. *Radiotekh. i elektron.* 10 no. 4:618-625 Ap '65.

Design of irregular waveguides using the "equivalent resonator" method. F. L. Kulikov, V. S. Il'in, V. K. Il'in. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:18-26 Ja-F '65.

Determination of the amplitudes of higher-type waves in the incidence of an  $H_{10}$  wave on a symmetrical diaphragm in a rectangular waveguide. I. U. F. Zabolotnikov. *Radiotekh. i elektron.* 10 no. 4:782-783 Ap '65.

Determination of the reflection coefficient during the incidence of an  $H_{10}$  wave on a nonsymmetrical diaphragm in a rectangular waveguide with a dielectric plate. I. U. F. Zabolotnikov. *Radiotekh. i elektron.* 10 no. 4:612-618 Ap '65.

Dielectric prism in the bend of a plane waveguide. E. I. Nefedov. *Radiotekh. i elektron.* 10 no. 5:870-889 My '65.

Effect of reflections on the accuracy of the measurement of group delay time. V. V. Molodtsov. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:108-111 Ja-F '65.

Electromagnetic waves in a plane waveguide with non-homogeneous isotropic plasma. V. M. Ginzburg, A. Marzup. *Radiotekh. i elektron.* 10 no. 5:868-870 My '65.

Experimental study of a system "opposing rows of pins." P. I. Gost'kov, L. N. Bezmaternyykh. *Radiotekh. i elektron.* 10 no. 5:947-949 My '65.

One method for designing waveguides with ferrites and a high reaction. G. B. Bogdanov, I. U. K. Voronov. *Radiotekh. i elektron.* 10 no. 5:943-945 My '65.

Point charge radiation in a waveguide with laminated dielectric filling. D. D. Gazizov, E. M. Laziev. *Radiotekh. i elektron.* 10 no. 4:578-580 Ap '65.

Slot radiator with ferrite controlled polarization. I. V. Shubarin, A. N. Magda. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:119-121 Ja-F '65.

Study of a corrugated converter of the  $H_{01}$  wave to  $H_{11}$  in a round waveguide. I. R. Gekker and others. *Radiotekh. i elektron.* 10 no. 4:756-759 Ap '65.

Thin nonuniform dielectric plate in a wide waveguide. E. I. Nefedov. *Radiotekh. i elektron.* 10 no. 4:784-786 Ap '65.

Two-dimensional problem of radiation in a wave guide filled with gyrotropic ferrite. D. D. Gazizov, O. S. Mergel'yan. *Dokl. AN Arm. SSR* 40 no. 2:89-92 '65.

Use of a mirror images technique in the calculation of the scattering matrix of a slotted waveguide bridge. D. S. Sahlin. *Izv. vys. ucheb. zav., radiotekh.* 8 no. 1:111-115 Ja-F '65.

## WAVE GUIDES—PATENTS

**Buglin, V. A.** [Elements of microwave devices; survey of foreign patents] *Elementy priborov sverkhvysokoi chastoty, obzor inostrannykh patentov*. Moskva, Tsentr. nauchno-issl. i in-t patent. informatsii i tekhniko-ekon. issledovaniy, 1964. 32 p.

[MICROFILM]

## WAVE THEORY OF LIGHT see Light, Wave theory of

## WAVES

Long waves in a viscous fluid. L. V. Cherkasov. *Izv. AN SSSR, Fiz. atm. i okeana* 1 no. 1:84-93 Ja '65.

## WEATHER FORECASTING

An operative quasi-geostrophic short-range weather forecast for five atmospheric levels. G. I. Marchuk and others. *Izv. AN SSSR, Fiz. atm. i okeana* 1 no. 2:129-135 F '65.

Weather forecast for the U.S.S.R. in June 1965. A. I. Shibaeva, E. I. Borisova. *Meleor. i gidrol.* no. 6:60-63 Ja '65.

**WEBER, KARL MARIA VON, 1786-1826**

**Kenigsberg, A. K.** [Karl Maria von Weber, 1786-1826; a short sketch of his life and works] *Karl-Maria Weber, 1786-1826; kratkii ocherk zhizni i tvorchestva*. Moskva, Muzyka, 1965. 102 p. (Kutluka dlia muzoshestva)

## WEED CONTROL

(see also subdivision under Virgin Territory)  
Chemical weed control in coriander fields. P. V. Bellaev. *Khim. v sel. khoz.* 3 no. 3:46-47 Mr '65.

Symposium on the protection of sugar beets against pests, diseases, and weeds. E. I. Andreeva, I. M. Poslavskiy. *Khim. v sel. khoz.* 3 no. 3:73-76 Mr '65.

## WEED KILLERS see Herbicides

## WEEDS see subdivision under Uzbekistan

## WEEDS—DICTIONARIES

English-Latin dictionary of weed names (continuation). P. V. Popov. *Khim. v sel. khoz.* 3 no. 3:70-80 Mr '65.

## WEIGHTLESSNESS

Human capacity for work in weightlessness. A. V. Chernin and others. *Izv. AN SSSR, Ser. biol.* no. 3:329-334 My-Je '65.

## WEINSTEINKITE see subdivision under Ural Mountains

## WEIRS

Discharge capacity of low weirs of a curvilinear profile. A. R. Berezinskiy. *Gidr. i mel.* 17 no. 4:20-28 Ap '65.

## WELDED STEEL STRUCTURES

Basic problems in the development of welded structural metal elements. N. P. Mel'nikov. *Mat. po met. konstr.* no. 8:11-55 '64.

Static strength of welded joints in elements of low-carbon steel. M. M. Sakhnovskiy. *Mat. po met. konstr.* no. 8:180-185 '64.

## WELDED STEEL STRUCTURES—MODELS

Modeling the white streak in weldments. O. P. Fomina and others. *Svar. protzy*, no. 3:13-14 Mr '65.

## WELDING

**Borkov, N. V.** [Welding processes] *Svarochnoe delo*. Pod red. E. N. Maslennikova. Moskva, Mosk. inzhenerno-fizicheskii in-t, 1961. 88 p.

[MICROFILM]

Physical and chemical problems in welding heterogeneous materials. N. N. Rykalin, M. Kh. Shorshorov, I. U. L. Krasulin. *Izv. AN SSSR, Neorg. mat.* 1 no. 1:28-36 Ja '65.

Welding hot-rolled metals without cleaning the place under welding. N. I. Alekhan and others. *Trakt. i sel'khoz. mash.* no. 3:37-39 Mr '65.

## WELDING—EQUIPMENT AND SUPPLIES

**Pukhov, G. A., and L. P. Sysoeva.** [Group technology in welding] *Gruppovaya tekhnologiya v svarochnom proizvodstve*. Leningrad, 1965. 28 p. (Leningradskiy dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya Svarka, izdka, paika i naplavka metallov)

## WELDING—HANDBOOKS, MANUALS, ETC.

**Bondin, I. N.** [Welder's handbook] *Spravochnik svarshchika*. Pod red. N. O. Okerbloma. Izd. 2, peiser. I dop. Moskva, Mashinostroenie, 1965. 400 p.

## WELDING—TECHNOLOGICAL INNOVATIONS

Soviet inventions in welding. *Svar. proizv.* no. 3:47 Mr '65.

## WELDING, ELECTRIC see Electric welding

## WELDING, ULTRASONIC see Ultrasonic welding

## WELLS

Disruption of the activity of water wells and methods for their restoration. S. A. Suren'tants. *Nauch. trudy AKKH* no. 27:142-158 '64.

Manufacture of filters for water intake wells in a plant. A. A. Kimelevskiy. *Gidr. i mel.* 17 no. 4:57-58 Ap '65.  
Methods for drilling exploratory-producing wells for water. V. V. Dubrovskiy. *Nauch. trudy AKKH* no. 27:130-141 '64.

## WEST GERMANY see Germany, West

## WEST KAZAKHSTAN PROVINCE—CATTLE

Economic effectiveness of dual-purpose cattle raising in West Kazakhstan Province. I. T. Timchenko. *Vest. sel'khoz. nauki* [Kazakh.] 8 no. 4:96-101 Ap '65.

## WEST SIBIRIAN ECONOMIC REGION—INDUSTRIES

**Shkhalov, N. S., and V. Grigor'ev.** [The West Siberian Economic Region] *Zapadno-Sibirskii ekonomicheskii*. [Novosibirsk] *Zapadno-Sibirskoe knizhnoe izd-vo*, 1963. 82 p.

[MICROFILM]

## WEST SIBIRIAN PLAIN—GAS, NATURAL—GEOLOGY

Using high-precision gravimetry in prospecting for gas fields in the West Siberian Plain. I. M. Agul'nik, L. A. Sharlovskaia. *Neftegaz. geol. i geofiz.* no. 1:42-44 '65.

## WEST SIBIRIAN PLAIN—GEOLOGY

[Geology of the U.S.S.R.] *Geologiya SSSR*, Glav. red. A. V. Sidorenko, Moskva, Nedra.  
Vol. 44. *Rostovtsev, N. N., and others, eds.* [West Siberian Plain] *Zapadno-Sibirskaya nizemnost'*. Pt. 1. [Geological description] *Geologicheskoe opisanie* 1964. 550 p.

## WEST SIBIRIAN PLAIN—GEOLOGY, STRUCTURAL

Structural-morphometric method for the study of recent tectonic movements under conditions governing the West Siberian Plain. G. I. Khudakov. *Geog. sbor.* L'vov, otd. Geog. ob-va SSSR, no. 8:85-100 '64.

## WEST SIBIRIAN PLAIN—GRAVITY—MEASUREMENT

Using high-precision gravimetry in prospecting for gas fields in the West Siberian Plain. I. M. Agul'nik, L. A. Sharlovskaia. *Neftegaz. geol. i geofiz.* no. 1:42-44 '65.

## WEST SIBIRIAN PLAIN—HYDROCARBONS

Disseminated hydrocarbons in the Jurassic sediments of the West Siberian Plain. A. E. Kontorovich and others. *Dokl. AN SSSR* 162 no. 2:428-431 My '65.

## WEST SIBIRIAN PLAIN—MAN—INFLUENCE ON NATURE

Conquest of the West Siberian Plain: A map of the dynamics of nature. V. I. Orlov. *Priroda* 54 no. 5:70-85 My '65.

## WEST SIBIRIAN PLAIN—PHYSICAL GEOGRAPHY

Dynamics of nature: from practice in studying the nature of the forest bog zone of the West Siberian Plain. V. I. Orlov. *Izv. Vses. geog. ob-va* 87 no. 2:128-135 Mi-Ap '65.

## WEST SIBIRIAN PLAIN—RECLAMATION OF LAND

Conquest of the West Siberian Plain: A map of the dynamics of nature. V. I. Orlov. *Priroda* 54 no. 5:70-85 My '65.

## WEST SIBIRIAN PLAIN—ROCKS, SEDIMENTARY

Fractured rocks in the Mesozoic cover of the West Siberian Plain. G. B. Ostrov. *Dokl. AN SSSR* 162 no. 2:411-413 My '65.

## WEST SURGUT OIL FIELD—PETROLEUM GEOLOGY

Searches in the zonal pools in the latitudinal Ob' Valley based on a study of the West Surgut oil field. V. F. Nikonov. *Neftegaz. geol. i geofiz.* no. 1:14-16 '65.



## WEST URAL ECONOMIC REGION—MACHINERY INDUSTRY

Economic efficiency of the introduction of billets in enterprises of the West Ural Economic Council. G. F. Kuroan, A. A. Mikhailov. *Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* 18 no. 3-5-9 Mr '65

## WESTERN DVINA RIVER—FISHES

Fish productivity in the Western Dvina River. V. S. Penlitz. *Vestn AN BSSR. Ser. biol. nav.* no. 1 110-115 '65.

## WESTERN EUROPE see Europe, Western

## WESTERN SIBERIA see Siberia, Western

## WETTING

Wetting of aluminum oxide by chromium-nickel melts. V. N. Burenko, V. I. Nizhenko, L. I. Skliarenko. *Porosh. met.* 5 no. 5:28-34 My '65.

Wetting processes during the smelting of iron ores and concentrates. G. G. Efimenko, D. A. Kovalev. *Izv. AN SSSR. Met.* no. 1:11-17 Ja-F '65.

## WHALE OIL—ANALYSIS

Effect of isomerization and polymerization of fatty acids in whale oil on fishy odor reversion. T. A. Khorin. *Izv. vys. ucheb. zav. i. pisheh. tekhn.* no. 1:14-17 '65

## WHALE PRODUCTS

Processing and oilous whale oils on whalers. B. A. Sevost'yanov. *Ryb. khoz.* 11 no. 3:70-71 '65

## WHALETS see subdivision under Antarctic regions

## WHALES

(see also subdivision under Far East)  
Cause of the "aulicide" of whales. V. M. Stepanov. *Prirada* 54 no. 5:70 My '65.

## WHALES IN ART see subdivision under Chukchi National Area

## WHALING

Some problems of whaling. A. A. Sudakov. *Ryb. khoz.* 41 no. 3:80-81 '65

## WHEAT

(see also subdivision under Rostov Province; Ukraine)  
Effect of succinic acid on the nitrogen metabolism of germinating caryopses of spring wheat. G. A. Kirillova. *Biol. Glav. bot. sada* no. 58:52-57 '64.

Effect of the anatomic and morphological characteristics of the grain on the milling properties of wheat. P. G. Demidov. N. V. Tsyba. *Izv. vys. ucheb. zav. i. pisheh. tekhn.* no. 2:17-20 '65.

Inheritable changes in winter wheat induced by chemical mutagens. N. N. Zoz, S. I. Kukarova. *Biol. MOIP. Old. biol.* 70 no. 2:124-125 Mr-Apr '65.

## WHEAT—ANALYSIS

Biochemical characteristics of wheat resistance to brown rust. V. F. Peresypkin, V. D. Gotsuliak. *Izv. AN SSSR. Ser. biol.* no. 3:442-447 My-Je '65.

Effect of nutrition conditions on the amino acid composition of wheat. B. P. Pleshkov, E. M. Savitskaya. *Khim. v sel. khoz.* 3 no. 3:8-16 Mr '65.

Effect of the foliar feeding of winter wheat with urea on the quantity and fractional composition of proteins in the grain. V. G. Mineev. *Agrokhemija* no. 1:34-41 Ja '65.

Relation between the physical and biochemical characteristics of the wheat grain. L. R. Torzhinskaya and others. *Izv. vys. ucheb. zav. i. pisheh. tekhn.* no. 2:12-16 '65

## WHEAT—DISEASE AND PEST RESISTANCE see subdivision under Georgia

## WHEAT—DISEASES AND PESTS

(see also subdivision under Kazakhstan; Virgin Territory Volga Valley)

Biochemical characteristics of wheat resistance to brown rust. V. F. Peresypkin, V. D. Gotsuliak. *Izv. AN SSSR. Ser. biol.* no. 3:442-447 My-Je '65

Effect of chemical treatment on the biocenoses of a wheat field. I. P. Zayeva. *Trudy Vses. ent. ob.-va* 50:228-239 '65.

Electron microscopy of wheat streak mosaic virus. A. E. Protzenko, R. M. Legunkova. *Vop. virus.* 10 no. 1:23-26 Ja-F '65.

Mercurexan as a disinfectant of wheat seed. E. I. Andreeva and others. *Khim. v sel. khoz.* 3 no. 3:27-30 Mr '65.

Some characteristics of the fauna of thrips (Thysanoptera) as a component of steppe and wheat field biocenoses. V. I. Tanekil. *Trudy Vses. ent. ob.-va* 50:67-72 '65

## WHEAT—FERTILIZERS AND MANURES

Absorption of phosphorus and phosphorus nutrition of spring wheat. V. A. Novikov, L. N. Kazanskaya, I. A. Padvalkova. *Agrokhemija* no. 4:61-66 Ap '65

Effect of nutrition conditions on the amino acid composition of wheat. B. P. Pleshkov, E. M. Savitskaya. *Khim. v sel. khoz.* 3 no. 3:8-16 Mr '65.

## WHEAT—FROST RESISTANCE

Survival of winter wheat at -195° as a result of vitrification. I. I. Tumanov, O. A. Krasvitsky, T. I. Trumova. *Dokl. AN SSSR* 161 no. 4:978-981 Ap '65.

## WHEAT—MICROBIOLOGY

Mycoflora and biological activity of grains affected by the shield bug *Eurygaster integriceps*. L. G. Atanas, V. F. Milovskaya. *Izv. vys. ucheb. zav. i. pisheh. tekhn.* no. 2:25-26 '65

## WHEAT—VARIETIES

(see also subdivision under Armenia; Azerbaijan)  
Varieties of wheat induced by chemical mutagens. N. N. Zoz. *Izv. AN SSSR. Ser. biol.* no. 3:432-137 My-Je '65

## WHEAT MILLING

Milling properties of Azerbaijan wheat varieties. P. G. Demidov, A. G. Guseinov. *Izv. vys. ucheb. zav. i. pisheh. tekhn.* no. 2:21-24 '65.

## WHEAT-RYE HYBRIDS

Characteristics of the crossability of soft wheat with rye. A. T. Shulyndin, L. N. Nnamova. *Izv. AN SSSR. Ser. biol.* no. 3:437-442 My-Je '65

## WHEATEAR see subdivision under Turkmenistan

## WHEY

Use of whey in the making of wheat bread. Z. V. Nikitinskaya, G. E. Gurevich, A. V. Vitavskaya. *Khleby i kond. prom.* 8 no. 3:3-4 Mr '65

## WHITE, EDWARD HIGGINS, 1930-

People and events: Franz Muhrl; Edward White; James McDivitt. *Nov. vsem.* 23 no. 24:15, 28 Je '65.

## WHITE RUSSIA—AERONAUTICAL SPORTS

Sport of the young and brave. L. Makimov, V. Savin. *Kryl. rod.* 13 no. 3:4-5 Mr '62

## WHITE RUSSIA—AGRICULTURE—ECONOMIC ASPECTS

Ushchik, N. N. [Prerequisites of the 1961 peasant reform in Lithuania and western White Russia] *Predposylki krest'ianskoi reformy 1961 g. v Litve i Zapadnoi Belorussii.* Moskva, Nauka, 1965. 478 p.

## WHITE RUSSIA—AGRICULTURE—STUDY AND TEACHING

Degree project in agriculture at technical schools. K. Rusin. *Sied. spets. obs.* 12 no. 4:22 Ap '65.

## WHITE RUSSIA—ANIMALS AS CARRIERS OF DISEASE

Role of predatory mammals of White Russia in spreading some helminthiasis in man and domestic animals. V. I. Shymaia. *Vestn AN BSSR. Ser. biol. nav.* no. 1:120-122 '65.

## WHITE RUSSIA—ARCHITECTURE

Architectural monuments of White Russia; recent measurements. V. A. Chanturia. *Arkh. i. nas.* 17:39-50 '64.

## WHITE RUSSIA—BEANS

Maturation and defoliation of forage beans in White Russia. I. H. Stralko, M. A. Maroz. *Vestn AN BSSR. Ser. sel. khoz. nav.* no. 1:42-47 '65

## WHITE RUSSIA—BERRY BREEDING

Breeding berry crops in White Russia. A. H. Vahneev. *Vestn AN BSSR. Ser. sel. khoz. nav.* no. 1:61-67 '65

## WHITE RUSSIA—BOTANY

Southern species in the flora of White Russia. N. V. Kazouskaya. *Vestn AN BSSR. Ser. biol. nav.* no. 1:27-32 '65

## WHITE RUSSIA—CATTLE—DISEASES AND PESTS

Characteristics of the immunity created by the cooperation of *Babesiella bovis* and macro-organisms. M. I. Dyliko. *Vestn AN BSSR. Ser. biol. nav.* no. 1:106-109 '65.

## WHITE RUSSIA—CHEMICAL INDUSTRIES

[Chemicalization of industrial production in White Russia] *Khimizatsia promyshlennogo proizvodstva Belorussii.* Minsk, Nauka i tekhnika, 1965. 126 p.

## WHITE RUSSIA—COLLECTIVE FARMS—FINANCE

Influence of the structure of capital assets on the production level of collective farms in White Russia. K. Gulechik, I. A. Blankman, G. Lych. *Ekon. sel. khoz.* 40 no. 4:66-73 Ap '65.

## WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION

*Akademija nauk BSSR, Minsk, Institut istorii.* [Communism is being created by the work of millions] *Kommunizm sozdetsia trudom millionov.* [Minsk] Nauka i Tekhnika [1964] 305 p.

## WHITE RUSSIA—ECONOMIC CONDITIONS

*Akademija nauk BSSR, Minsk, Institut istorii.* [Communism is being created by the work of millions] *Kommunizm sozdetsia trudom millionov.* [Minsk] Nauka i Tekhnika [1964] 305 p.

Soviet White Russia is blooming. V. Borushko, S. Vinogradov, A. Litvin. *Komm. Ukr.* 30 no. 5:72-78 My '65.

Was White Russia a colony in the economic sense under the czarist regime? V. V. Timoshenko. *Ist. SSSR* 9 no. 1:38-50 Ja-F '65.

## WHITE RUSSIA—ETHNOLOGY

*Bandachyk, V. K.* [History of White Russian ethnography of the 19th century] *Istoriya yla Belarusskaj etnografii XIX st.* Minsk, Navuka i tekhnika, 1964. 280 p. (inU)

## WHITE RUSSIA—FEEDS

Ways for establishing the feed supply on collective and state farms in White Russia. S. H. Skarapana. *Vestn AN BSSR. Ser. sel. khoz. nav.* no. 1:5-11 '65.

## WHITE RUSSIA—FERTILIZERS AND MANURES

Possibility of using gouges of Starobin potassium salt deposits as fertilizers. A. M. Dem'janovich. *Vestn AN BSSR. Ser. sel. khoz. nav.* no. 1:37-41 '65.

## WHITE RUSSIA—FISH CULTURE

Use of polychlorophenene in piscicultural transformation of small lakes of the White Russian S. S. R. P. S. Neviadomskaya. *Vestn AN BSSR. Ser. biol. nav.* no. 1:116-119 '65.

## WHITE RUSSIA—FLOUR INDUSTRY

All has been achieved by active workers. A. Kul'bachko. *NTO* 7 no. 4:29-32 Ap '65.

## WHITE RUSSIA—FURNITURE INDUSTRY

We are raising the technological level of production and improving the quality of furniture. D. F. Klutrovo. *Der. prom.* 14 no. 4:17-20 Ap '65.

## WHITE RUSSIA—FURNITURE INDUSTRY—QUALITY CONTROL

Quality of furniture and its construction. D. Nozhenko. *Sov. torg.* 38 no. 5:15-18 My '65

## WHITE RUSSIA—HISTORICAL RESEARCH

The Institute of History of the Academy of Sciences of the White Russian S. S. R., 1963-1964. I. E. Marchenko. *Ist. SSSR* 9 no. 2:221-222 Mr-Apr '65

## WHITE RUSSIA—HISTORY

Soviet White Russia is blooming. V. Borushko, S. Vinogradov, A. Litvin. *Komm. Ukr.* 39 no. 5:72-78 My '65

## WHITE RUSSIA—JOURNALISM—SOCIETIES, ETC.

There will be further results! V. Plesheva. *Sov. pech.* no. 4:37-38 Ap '65.

## WHITE RUSSIA—LABOR AND LABORING CLASSES

*Akademija nauk BSSR, Minsk, Institut filologii.* [Social changes in the working class of White Russia during the process of the building of communism] *Sotsial'nye izmeneniya rabochego klassa Belorussii v protsessе stroitel'stva kommunizma.* Minsk, Nauka i tekhnika, 1965. 255 p.

## WHITE RUSSIA—LICHENS

Lichens of the genus *Alectoria* Ach. in White Russia. N. V. Horbach. *Vestn AN BSSR. Ser. biol. nav.* no. 1:55-58 '65

## WHITE RUSSIA—LUMBER—TRANSPORTATION

*Belorusskii tekhnologicheskii institut.* [Problems of the mechanization of lumbering operations and lumber transportation] *Voprosy mekhanizatsii lesozagotovok i transporta lesa, sbornik nauchnykh rabot.* Minsk, Vysshaja shkola, 1964. 119 p.

## WHITE RUSSIA—LUMBERING—MACHINERY

*Belorusskii tekhnologicheskii institut.* [Problems of the mechanization of lumbering operations and lumber transportation] *Voprosy mekhanizatsii lesozagotovok i transporta lesa; sbornik nauchnykh rabot.* Minsk, Vysshaja shkola, 1964. 119 p.

## WHITE RUSSIA—MINERALS

*Korulin, D. M.* [Geology and minerals of White Russia] *Geologija i poleznye iskopaenija Belorussii.* Minsk, Izd-vo M.-va vysshago, srednego spetsial'nogo i professional'nogo obrazovanija BSSR, 1962. 119 p. [MICROFILM]

## WHITE RUSSIA—PEASANTRY

Ushchik, N. N. [Prerequisites of the 1961 peasant reform in Lithuania and western White Russia] *Predposylki krest'ianskoi reformy 1961 g. v Litve i Zapadnoi Belorussii.* Moskva, Nauka, 1965. 478 p.

## WHITE RUSSIA—PEAT—CONGRESSES

*Respublikanskoe soveshchanie po ispol'zovaniju torfa v narodnom khoziaistve, Minsk, 1961.* [Materials of the White Russian Conference on the Use of Peat in the National Economy] *Materialy.* Minsk, In-t nauchno-tekhn. informatsii i propagandy, 1961. 149 p. [MICROFILM]

## WHITE RUSSIA—PEAT MACHINERY

*Institut Belgiprotori.* [Mechanization of basic and auxiliary peat winning operations in White Russia] *Mekhanizatsia osnovnykh i vopomogatel'nykh rabot po dobytchu torfa v Belorussii.* Minsk, 1964. 91 p.

## WHITE RUSSIA—POTATOES—VARIETIES

Interrelationship among nitrogen-containing substances in the tubers of some potato varieties of White Russia  
A. S. Vecher, U. M. Rashchinskaya, Vestsi AN BSSR Ser. biol. nav. no. 1 95-99 '65

## WHITE RUSSIA—PRODUCTIVITY ACCOUNTING

The White-Russian practice continues. V. Dantilevich  
Sots. trud 10 no. 2:25-31 '65

## WHITE RUSSIA—RAILROADS—MANAGEMENT

Sysko, P. A. [Innovations in the work of Orsha railroad] Novoe v rabote orshanskikh zheleznodorozhnikov Minsk, Gos. izd-vo BSSR, 1950, 41 p. (Biblioteka novatora)

[MICROFILM]

## WHITE RUSSIA—ROAD CONSTRUCTION—TECHNOLOGICAL INNOVATIONS

An outstanding innovator. I. A. Skoparov. Avt. dor. 28 no. 3:12 Mi '65.

## WHITE RUSSIA—RYE BREEDING

Study for breeding purposes of tetraploid winter rye in White Russia. N. D. Mukhin, T. I. Pukachova. Vestsi AN BSSR, Ser. sel'hoz. nav. no. 1:48-52 '65

## WHITE RUSSIA—SHIPS—MODELS

Let our dream sail. S. Alekzov. Voenn. znan. 41 no. 5:42 My '65.

## WHITE RUSSIA—SHOE INDUSTRY—ACCOUNTING

Centralization of accounting in a shoe manufacturing combine. B. Dubetshteln, Z. Zisman. Bukh. uch. 22 no. 4:10-12 Ap '65.

## WHITE RUSSIA—SOIL CONSERVATION

Dimensions of water-absorbing forest plantations in eroded regions of White Russia. II. S. Shelno. Vestsi AN BSSR, Ser. sel'hoz. nav. no. 1:32-36 '65

Transverse cultivation of eroded soils. U. V. Zhylo. Vestsi AN BSSR, Ser. sel'hoz. nav. no. 1:30-31 '65.

## WHITE RUSSIA—SOILS—TRACE ELEMENT CONTENT

Cobalt, nickel, copper and zinc content in soils of some White Russian districts. M. M. Korobenkova. Vestsi AN BSSR, Ser. biol. nav. no. 1:28-32 '65.

## WHITE RUSSIA—STATE FARMS—AUDITING AND INSPECTION

Exercise a more active influence on the economy of state farms. V. Mikhulap. Fin. SSSR 30 no. 5:43-47 My '65.

## WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS

The most important thing in our work. A. Ivanov. NTO 7 no. 3:2-5 Mr '65

## WHITE RUSSIA—TICKS

Isotés aharicola P. Sch. et Schl., a new species of Ixodid ticks in the White Russian S. S. R. A. S. Gembitskii. Vestsi AN BSSR, Ser. biol. nav. no. 1:134 '65.

## WHITE RUSSIA—TROUT

Significance of carotenoids in the embryonic development of rainbow trout. E. A. Borovik. Vestsi AN BSSR, Ser. biol. nav. no. 1:132-133 '65.

## WHITE RUSSIA—WINE AND WINE MAKING

Nauchno-tekhnicheskoe obshchestvo pishchev. promyshlennosti, Belorusskoe pravleniye. [Introduction of new equipment and the latest technology in the wine industry of White Russia; materials of a conference] Vnedrenie novoi tekhniki i naibolee sovershennoi tekhnologii v vinodel'cheskuyu promyshlennost' Belorussii; materialy konferentsii. Minsk, Red. izd. otdel. in-lit. nauchno-tekhn. informatsii i propagandy, 1962, 60 p. [MICROFILM]

## WHITE RUSSIA—WIREWORMS

Seasonal dynamics of the number of wireworms in a plow layer. N. A. Dubrovskaya. Vestsi AN BSSR, Ser. sel'hoz. nav. no. 1:72-77 '65.

## WHITE RUSSIA—WORLD WAR, 1939-1945

White Russian athletes in the struggle against fascism. I. V. Mironov, I. A. R. Vilkov. Teor. i prak. fiz. kul't. 27 [i.e. 28] no. 1:11-14 My '65.

## WHITE RUSSIA—WORLD WAR, 1939-1945—ATROCITIES

Ramankouski, V. P. [Criminals in crimes] Soudzal'niki u zlachynstvakh. Minsk, Belarus', 1964, 286 p.

## WHITE RUSSIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

The Neman Cossacks. Ianka Bryl'. Sov. voen. 47 no. 6:14-19 Mr '65.

## WHITE RUSSIA—WORMS, INTESTINAL AND PARASITIC

Role of predatory mammals of White Russia in spreading some helminthiases in man and domestic animals. V. T. Shymalau. Vestsi AN BSSR, Ser. biol. nav. no. 1:120-122 '65.

## WHITE RUSSIAN LANGUAGE—ADJECTIVE

Bulakhau, M. H. [Adjective in the White Russian language] Prymudnik u belaruskai move. Minsk, Navuka i tekhnika, 1964, 197 p. (NNC)

## WHITE RUSSIAN LANGUAGE—WORDS

Conference on the study of the lexicon of monuments in old White Russian literature from the 15th to the 17th century held in Vilnius. L. Sudavichene. L. Shakun. Izv. AN SSSR, Ser. lit. i jazyk. 24 no. 2:17-177 Mi-Apr '65.

## WHITE SEA—ALGAE

Distribution of Harpacticoida (Crustacea: Copepoda) on various algae of the White Sea. L. L. Chislenko. Zool. zhur. 44 no. 2:185-191 '65.

## WHITE SEA—HARPACTICIDAE

Distribution of Harpacticoida (Crustacea: Copepoda) on various algae of the White Sea. L. L. Chislenko. Zool. zhur. 44 no. 2:185-191 '65.

## WHITEFISHES see subdivision under Sevan, Lake

## WHITEFLIES see subdivision under Adzharia

## WHOLESALE TRADE—ACCOUNTING see subdivision under Czechoslovakia; Germany, East

## WHOOPING COUGH

Clinical characteristics of paratuberculosis in children. M. P. Aferova. Azerb. med. zhur. 42 no. 1:81-85 Ja '65

Treatment of pneumonia in whooping cough patients with neuroleptic mixtures in combination with antibiotics and symptomatic substances. Z. I. Kravetskiy. Sov. med. 28 no. 5:124-127 My '65

## WILDLIFE, CONSERVATION OF

Russia (1917- R. S. F. S. R.) Glavnoe upravleniye okhot-nich'ego khoz'yaistva i zapovednikov. Biuro tekhnicheskoi informatsii. [Preserves of the U. S. S. R.] Zapovedniki SSSR. Moskva, 1964, 73 p.

## WILLOWS see subdivision under Azerbaijan

## WILNO see Vilnius

## WINDBREAKS, SHELTERBELTS, ETC.

(see also subdivision under Russia, Southern; Timashevskaya District; Ukraine; Volga Valley; Yegor'yovsk region, Altai Territory)

Dimensions of water-absorbing forest plantations in eroded regions of White Russia. II. S. Shelno. Vestsi AN BSSR, Ser. sel'hoz. nav. no. 1:32-36 '65

Effect of shelterbelts on wind regime, snow distribution, freezing and thawing of soil in a dissected relief. G. S. Bobrov. Sbor. nauch.-issl. rab. VNIILMI no. 28:8-11 '65.

Effect of the perfilation of shelterbelts on the character of snow depositions. B. V. Kondrashov. Sbor. nauch.-issl. rab. VNIILMI no. 28:24-27 '65.

Ravine erosion and measures for its control in a shelterbelt network. G. P. Surmach. Sbor. nauch.-issl. rab. VNIILMI no. 28:63-66 '65.

## WINDING MACHINES

Advantages of cone winding with alternating coil pitch. A. A. Ostrovskii. Tekst. prom. 25 no. 3:37-30 Mi '65.

Serobrenitelt, P. P., and V. N. Chekov. [Computing and control devices for winding machines] Solnetno-komandnye ustroystva k namotokhym stankam. Leningrad, 1965, 10 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya. Tekhnologiya proizvodstva radioelektronnoi apparatury)

## WINDS

(see also subdivision under Balkan, Lake, Issyk-Kul' Depression; Transcaucasia)

Basis of the methodology of processing wind observations made by means of the "Malakhit" radio theodolite with a range adapter. O. V. Martchenko. Trudy TSO no. 60:92-99 '64.

Blowing out of forest plantations on Bazhigan snags related to the preparation of soil. N. A. Smolnov. Sbor. nauch.-issl. rab. VNIILMI no. 28:67-69 '65.

Dubininov, V. R. [Air currents and temperature distribution in the stratosphere and mesosphere in the northern hemisphere; according to materials of the IGY and the International Geophysical Collaboration] Vozdushnye techeniya i raspredeleniye temperatury v stratosfere i mezosfere v severnom polusharii; po materialam za period MGG i MGS. Moskva, Glit. o-meteorolozd, 1965, 93 p. 29 plates.

Self-similar solutions of a problem on local wind. V. I. Katkov. Izv. AN SSSR, Fiz. atm. i okeana 1 no. 2:224-226 F '65.

Some possibilities of determining the wind velocity above the ocean surface by observations from artificial earth satellites. G. V. Rozenberg, Yu. A. R. Mullaeva. Izv. AN SSSR, Fiz. atm. i okeana 1 no. 2:282-286 Mr '65

Vertical temperature and wind velocity profiles in the lowest atmospheric layer. A. S. Gurych. Izv. AN SSSR, Fiz. atm. i okeana 1 no. 1:55-65 Ja '65

## WINE—CONTAINERS

Titulin, S. T., A. I. Bazanova, and B. N. P'chenko. [Protective coatings of containers in wine making] Zashchitnye pol'yutla rezervuarov v vinodelii. Simferopol', Izd-vo "Krym," 1965, 103 p.

## WINE AND WINE MAKING

(see also subdivision under Kuban; Ukraine; White Russia)

Economic efficiency of the use of fermentation preparations in the wine industry. T. K. Lyayenko. Khor. prom. no. 2:66-68 Ap-Ju '65.

Physicochemical study of the process of wine clarification with bentonites. V. M. Lora, A. N. Aleyana. Izv. vys. ucheb. zav., pishch. tekhn. no. 1:57-60 '65

Using ultrasonics in wine making. A. Abramian. Prom. Arm. 8 no. 3:24-30 Mi '65.

## WINE AND WINE MAKING—ANALYSIS

(see also subdivision under Transcarpathia)

Bouquet substances of sherry. A. K. Rodopulo, I. A. Egorov, V. E. Ashina. Pishch. biokhim. i mikrobiol. 1 no. 1:95-101 Ja-T '65.

## WINE AND WINE MAKING—MICROBIOLOGY see subdivision under Turkmenistan

## WINE AND WINE MAKING—STORAGE

Effect of some antioxidants on the stability of anthocyanins in wine storage. G. G. Valuiko. Izv. vys. ucheb. zav., pishch. tekhn. no. 2:83-85 '65.

## WINTER

Winter of 1964-1965 in the northern hemisphere. T. F. Butaeva, T. V. Sidachenko. Priroda 54 no. 4:126-128 Ap '65.

## WINTER WARFARE

Energy loss in soldiers during winter tactical exercises. I. M. Burnik. Voenn. med. zhur. no. 10:50-51 '64.

## WIRE

Causes of failure of high-tensile wires in a prestressed state. G. N. Gomzhin. Bot. i zhel. -bet. 9 no. 6:274-276 Je '63.

## WIRE—MEASUREMENT

Research work in a comparator. P. L. Larin. Izv. vys. ucheb. zav., geod. i aerof. no. 5:37-43 '64.

## WIRE BROADCASTING

(see also subdivision under Moscow)

Completion of wire broadcasting networks in White Russia. P. V. Afanas'yev. Vest. svyazi 25 no. 5:22-23 My '65.

Fortieth anniversary of wire broadcasting. V. Dogadin. Radio no. 4:12-13 Ap '65.

## WIRE BROADCASTING—SAFETY MEASURES

Shielding of wire broadcasting circuits from high-voltage lines. L. D. Razumov, I. V. Raskevskii. Vest. svyazi 25 no. 5:14-18 My '65.

## WIRE ROPE TRANSPORTATION see Cableways

## WIREDRAWING

Investigating thermal and volumetric effects during the annealing of cold-worked patented steel. L. N. Larikov, Yu. F. Iurchenko. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 20:64-66 '64.

## WIREWORMS

(see also subdivision under White Russia)

Dolin, V. G. [Larvae of click beetles (wireworms) of the European part of the U. S. S. R.] Lichinki zhukov-shchelkunov, provolochniki Evropeiskoi chasti SSSR. Kiev, Izd-vo "Urozhai," 1964, 206 p. (NIC)

## WIT AND HUMOR

You want laughter. A. Moralevich. Sov. pech. no. 4:61-62 Ap '65.

## WOMEN

Hard-working and patriotic women. Voenn. znan. 41 no. 3:5 Mr '65.

We are proud of your achievements. Poligrafia no. 3:1-3 Mi '65.

## WOMEN—RIGHTS OF WOMEN see subdivision under Turkmenistan

## WOMEN AND RELIGION

Pisaniuk, M. G. [Religion and woman; author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] Religia i zhenshchina; avtoreferat dissertatsii na solskanie uchenoi stepeni kandidata filiosofskikh nauk. Nauchn. rukovoditel' S. F. Anisimov. Moskva, Mosk. gos. univ., 1961, 14 p. [MICROFILM]

## WOMEN AS ENGINEERS

Women are among the most outstanding road specialists. M. V. Gaima. Avt. dor. 28 no. 3:1 Mr '65.

## WOMEN AS LAWYERS see subdivision under Kuntsev (Moscow Province)

**WOMEN AS PETROLEUM WORKERS** see subdivision under Kazakhstan

**WOMEN IN AERONAUTICS**

(see also subdivision under Khar'kov)

Breaking records. T. Russian. Kiy, rod, 16 no 3 11-12 '64

A heart full of fire. M. Chichanova, Kiy, rod, 16 no 3 4-5 Mr '65

Story of the bravery of winged fliers. N. Nachev, Kiy, rod, 13 no 3 14-15 Mr '62

**WOMEN IN THE PRINTING INDUSTRY**

This is dedicated to our women. Poligrafia no 3 4-16 Mr '65.

**WOOD—ANATOMY**

Effect of ecologic conditions on the heartwood rays in trees and shrubs. Z. A. Novruzova. Dokl AN Azerb SSR 21 no 1:45-47 '65

Morphology of the horizontal and tangential cell walls of the wood rays of conifers, their nomenclature and classification. L. S. Chachavadze. Bol zhur 50 no 4: 558-563 Ap '65

Structure and physicochemical properties of the wood of Kentucky coffee tree. L. S. Kusheva-Nadson. Biol. Glav, bot, sada no 56:11-17 '64.

Wood and leaf structure in Piptanthus D. Don and Ammopiptanthus Cheng F. N. V. Shilova. Bot, zhur, 50 no 3:396-403 Mr '65.

**WOOD—CHEMISTRY**

Composition of the reducing nonsugars of hydrolyzates. I. I. Kozlov, L. F. Likhonos. Gidroliz i lesokhim prom 18 no 3:9-12 '65

Determination of pyrocatechin in wood chemical products. A. S. Maslennikov, G. N. Polyayeva. Gidroliz i lesokhim prom 18 no 3:15-16 '65

Nauchno-tekhnicheskoe obshchestvo bumazhnoi i derevo-obrabatывayushchei promyshlennosti. Karelskoe oblast'noe pravleniye. [Technological wood chips as a valuable chemical raw material] Tekhnologicheskaya shchepa—tsennoe khimicheskoe sy'ye. Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964. 35 p. (Vystavka dostizhenii narodnogo khozaistva SSSR)

[MICROFILM]

**WOOD—MOISTURE**

Process of the formation of wood shavings during the cutting of wood under various temperature conditions. V. N. Kuritsyn, V. M. Kondrat'ev. Trudy STI 37:161-168 '64

**WOOD—TESTING**

Structure and physicochemical properties of the wood of Kentucky coffee tree. L. S. Kusheva-Nadson. Biol. Glav, bot, sada no 56:11-17 '64.

**WOOD—THERMAL PROPERTIES**

Process of the formation of wood shavings during the cutting of wood under various temperature conditions. V. N. Kuritsyn, V. M. Kondrat'ev. Trudy STI 37:161-168 '64

**WOOD, COMPRESSED**

Sealing capacity of red holding made of pressed wood. A. G. Ukhimenko, R. P. Korolev. Ugol' Ukr, 9 no 5 20-22 My '65

Parts made of compressed wood. I. I. Andreev, V. I. Andreev. Mashinostroi'tel' no 4:35-37 Ap '65

Use of compressed wood in the machinery industry of the Kuznetsk Basin. A. U. Margules. Mashinostroi'tel' no 6:41-42 My '65.

**WOOD ALCOHOL** see Methanol

**WOOD CARVING, BAMBARA**

Folk sculpture of the Bambara people. E. Dodin. Az i Afr seg, 8 no 5 48 Mr '65

**WOOD FINISHING**

Some characteristics of the electric painting of wood. A. C. Minin, B. A. Vikhorev. Der prom, 14 no 4 15 Ap '65

**WOOD TAR—ANALYSIS**

Analysis of soluble wood tars. T. I. Fedorishchev. Gidroliz i lesokhim. prom. 18 no 2:9-10 '65.

**WOOD-USING INDUSTRIES**

(see also subdivision under Kotlas, Archangel Province; Leningrad)

Application of the Kononov rule in determining the amount of heat liberated in the decontamination of sewage by burning. N. P. Drozdov. Gidroliz i lesokhim. prom. 18 no 3:18-20 '65

Improve the chemical and technical production control. A. E. Norina. Gidroliz i lesokhim. prom. 18 no 3:32 '65.

Ways for further technological progress in the sawmilling and woodworking industry. F. T. Gavrilov. Der prom, 14 no 4:1-3 Ap '65

**WOOD-USING INDUSTRIES—BY-PRODUCTS**

Improving the production of fodder yeast. E. I. Anutina. Gidroliz i lesokhim. prom. 18 no 2:23-24 '65

In the State Committee of the Forest Industries Attached to the State Planning Commission of the U. S. S. R. Gidroliz i lesokhim. prom. 18 no 2 31 '65.

Nauchno-tekhnicheskoe obshchestvo bumazhnoi i derevo-obrabatывayushchei promyshlennosti. Karelskoe oblast'noe pravleniye. [Technological wood chips as a valuable chemical raw material] Tekhnologicheskaya shchepa—tsennoe khimicheskoe sy'ye. Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964. 35 p. (Vystavka dostizhenii narodnogo khozaistva SSSR)

[MICROFILM]

**WOOD-USING INDUSTRIES—DESIGN AND CONSTRUCTION**

Arrangement of the technological equipment of wood processing enterprises in the open. M. F. Kulygin. Gidroliz i lesokhim. prom. 18 no 3:30 '65

**WOOD-USING INDUSTRIES—EQUIPMENT AND SUPPLIES**

Useful proposal. A. S. Kovtun. Gidroliz i lesokhim. prom. 18 no 2:26 '65.

**WOOD-USING INDUSTRIES—LAWS AND LEGISLATION**

Certain legal problems concerning the supplying of the economy with forest products. M. M. Novinskiy. Sov gos i pravo 35 no 5:61-60 My '65

**WOOD-USING INDUSTRIES—STANDARDS**

Preliminary work on standardization in the wood chemical industry. M. A. Raskitina. Gidroliz i lesokhim. prom. 18 no 3 4-5 '65.

**WOOD-USING INDUSTRIES—TECHNOLOGICAL INNOVATIONS**

(see also subdivision under Krasnoyarsk Territory)

All-Union Public Review of the Technological Progress. V. V. Shitkina. Gidroliz i lesokhim. prom. 18 no 2: 32 '65.

**WOOD WASTE**

Economic problems of the chemical processing of fire wood and wood wastes. A. Z. Katsenelenbaum, T. U. Denishechenko. Bum prom no 1 27-30 Ja '65

**WOODEN BEARINGS**

Metal-impregnated compressed wood is a material for bearings. N. V. Savchenko. Stroi i dor. mash. 10 no 4:35-36 Ap '65.

**WOODPULP**

Changes in molecular weights of lignosulfonic acids in the process of sulfite pulping of spruce wood. I. A. V. Nikitin, M. G. Elashberg. Bum prom no 1 4-6 Ja '65

Use of a calcium-sodium base in the cooking of woodpulp. R. A. Tepitskaya. Bum, prom. no 1:17-18 Ap '65

**WOODPULP—COMMERCE**

Foreign trade of the U. S. S. R. in woodpulp and paper goods during 1953. N. A. Lar'ev. Bum prom. no 1:30 Ja '65

**WOODPULP—ELECTRIC PROPERTIES**

Technical indices of woodpulp for the production of condenser paper with low dielectric losses. B. G. Milov and others. Bum, prom. no 4:3-5 Ap '65

**WOODPULP INDUSTRY**

(see also subdivision under Zhidachov, Lvov Province)

Cold alkali process for the production of chemical woodpulp. B. M. Tovbin. Bum, prom no 4:6-9 Ap '65.

Decontamination of waste waters of the evaporation department of the Segezha combine. O. I. Sokolova, V. F. Maksimov. Bum prom. no 1 15-16 Ja '65.

Economic problems of the chemical processing of fire wood and wood wastes. A. Z. Katsenelenbaum, T. U. Denishechenko. Bum prom no 1:27-30 Ja '65

Use of "RSS-1" built-in-breaking machines in unloading free-floating pulpwood. V. S. Chistiakov. Bum prom no 1 26 Ja '65

**WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES**

Pudkov, G. N. [New equipment and the technology of the regeneration of sulfite liquors] Novos oborudovanie i tekhnologiya regeneratsii sulfatnykh shchelokov, Moskva, Tsentr, nauchno-issl, in-t informatsii i tekhniko-ekon, issledovani po lesnoi, tsellulozno-bumazhnoi, derevoobrabatывayushchei promyshl, i lesnomu khoz., 1964, 52 p. (Bumaga i tselluloza)

[MICROFILM]

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur. Tekh. i obr. tsol. bum, i poligr. proizv. no 5 My '65.

**WOODPULP INDUSTRY—PRODUCTION STANDARDS**

Manual on the establishing of technical norms in woodpulp manufacture. N. Moskalov, I. Starovoltov. Bum, prom. no 4:31 Ap '65.

**WOODRUFF** see subdivision under Azerbaijan

**WOODWORK**

Chudinov, B. S., F. T. Tiurikov, and P. E. Zuban'. [Larch wood and its processing] Drevosina listovnitsy i ee obrabotka, Moskva, Lesnaya promyshlennost', 1965. 143 p.

Moizov, N. A. [Technology of wood processing] Tekhnologiya obrabotki drevsniny. Moskva, Lesnaya promyshlennost', 1965. 333 p.

Prokof'ev, N. M. [Mechanical processing of stock wood; textbook for advanced courses for graduate engineers and students of the Faculty of the Mechanical Technology of Wood] Mekhanicheskaya obrabotka zagotovki; uchebnoe posobie dlya koi sov povysheniia kvalifikatsii diplomirovannykh inzhenerov i studentov fakul'teta mekhanicheskoi tekhnologii drevsniny. Leningrad, Vses. zaochnyye lesotekhn. in-t, 1964 56 p.

**WOODWORK—AUDIO-VISUAL AIDS**

'Species of wood' stand. I. I. Seivov. Shkola i proizv. 9 no 5:63-65 My '65

**WOODWORKING INDUSTRIES**

Textbook on the organization and planning of production. B. A. Kopelkin, E. E. Sergeev. Der prom 14 no 4 23 Ap '65

**WOODWORKING MACHINERY**

(see also subdivision under Moscow)

Automatic line for machining edges of furniture boards. D. I. Kaufman, S. D. Feigelman. Biol. tekhn. ekon. inform. Gos nauch. issl inst nauch. i tekhn. inform 18 no 2: 16-17 F '65

Calculating the optimal conditions of operation for polishing machines. I. U. P. Popov. Der prom 14 no 1:12-14 Ap '65

Device for the automatic cutting of dowels. I. I. Popov. Gidroliz i lesokhim. prom 18 no 3:29 '65.

Four-roller polishing machine. P. P. Kalmykov, V. V. Chirka. Der prom 14 no 4:27 Ap '65

Grinding woodcutting tools using synthetic diamond wheels. I. P. Zakharenko, A. F. Evseev. Der prom 14 no 4 24-26 Ap '65.

Ventil cutting at constant speed. I. U. D. Tarshis, I. U. Samokhvalov. Der prom 14 no 4 7 Ap '65

**WOODY PLANTS**

Effect of the vapor of 2, 4 D butyl ester on trees and shrubs. A. M. Il'in. Nauch. dokl. vys. shkoly, blok nauki no 2:170-172 '65.

Rooting of the summer cuttings of woody plants in various substrates. F. M. Mamedov. Biol. Glav, bot, sada no 56:80-94 '64.

Seasonal development of buds in woody plants. G. P. Belostokov. Biol. Glav, bot, sada no 56:40-62 '64.

**WOOL**

Characteristics of the growth of the lamb's wool of Romanov lambs. I. F. Bellaeva. Shor. stud. rab. VMF no 3:41-50 '63.

Effect of various levels of feeding on the development of the hair in the embryos of Karakul sheep. V. N. Pogodin. Vest. sel'khoz. nauki [Kazakh.] 8 no 4:40-48 Ap '65.

Let's conduct the procurement of wool in an organized way. T. Moldaliev, B. Globin. Sov. potreb. koop. 9 no 1:20-21 Ap '65

Wool productivity in hybrid dual-purpose sheep produced by crossing with meat-type head rams. A. Asanov. Trudy mol. uch. UASHN no 9:28-33 '63.

**WOOL—GRADING**

Rug wool. A. Kantapal'skii. Zakup. sel'khoz. prod no 3:27-28 Mr '65.

**WOOL FAT** see subdivision under Kazakhstan

**WOOL INDUSTRY** see subdivision under Yelists (Lipetsk Province)

**WOOLEN AND WORSTED MANUFACTURE**

(see also subdivision under Czechoslovakia)

Engineers and technical workers as active organizers of communist labor competition. A. V. Filov. Tekst. prom. 25 no 3:8-11 Mr '65.

Experience in substituting polyacrylonitrile for viscose fibers in suiting fabrics. N. M. Imanov, N. G. Kaziev. Tekst. prom. 25 no 4:29-31 Ap '65.

Fabrics with reclaimed wool content. A. G. Dikhanova. Tekst. prom. 25 no 3:12-14 Mr '65.

Manufacture of half-woolen interlining on AChV-V machine units. I. M. Khatenev. Tekst. prom. 25 no 4:42-45 Ap '65.

**WOOLEN AND WORSTED MANUFACTURE—PRODUCTION STANDARDS**

Development of progressive norms for raw material utilization in the woolen and worsted industry. I. I. Ustukhin. Tekst. prom. 25 no 3:6-8 Mr '65.

WOOLEN AND WORSTED MANUFACTURE—TESTING  
Effect of thermal stabilization on the characteristics of wool. V. V. Paskevicius. Tekst. prom. 25 no 5:79-81 My '65

**WORK**

Gurov, V., and M. Syverdiyov. [Overcoming the essential differences between mental and physical work] O preodolenii sushchestvennykh razlichii mezhdu umstvennym i fizicheskim trudom. Kishinev, Kartia moldovenaske, 1962. 57 p. (MH)

## WORK (Continued)

Kasolapov, R. I. [Communism and freedom; problem of the liberation of labor] Kommunizm i svoboda; problema osvobodzheniya truda. [Moskva] Izd-vo Mosk. univ., 1965. 137 p.

Lenin on the scientific organization of work. M. Babina Nauch. dokl. vys. shkoly, ekon. nauki 8 no. 3 31-42 '65

## WORK—PHYSIOLOGICAL EFFECT

Effect of the character of work on lesions of the cardiovascular system in persons of 60 years of age and older. E. L. Stezhenskaya. Vop. get on i geriat 1 166-172 '65.

## WORK CLOTHES—CLEANING

Technological flow sheet for the dry etching of work clothes. I. A. Kozlov. Shor. nauch. rab. AKKII no. 7-11-132 '61  
Technology of the laundering of work clothes. I. P. Popov, G. V. Sukhova, V. L. Yumas'eva. Shor. nauch. rab. AKKII no. 7 92-97 '61

## WORK STANDARDS see Production standards

## WORKS COUNCILS

People, land and harvest V. Belenko, A. Lipatov. Sov. professury 21 no. 11-4-6 Je '65

## WORLD POLITICS

Appeal to all democratic forces. Parli. zhizn' no. 11:65-67 Je '65.

The boundary of a new epoch. A. I. Eremonko. Mezhdunar. zhizn' 12 no. 5:9-17 My '65.

Current events. Nov. vrem. 23 no. 4:16-20 Je '65

How to prepare a lecture about the international situation. Mezhdunar. zhizn' 12 no. 5:159-169 My '65.

In the orbit of history. RU. Zaruba. Komm. Ukr. 30 no. 5:42-50 My '65

International notes. Nov. vrem. 22 no. 20:26-27 My '65.

International notes. Nov. vrem. 22 no. 23:25-26 My '65

International notes. Nov. vrem. 23 no. 23:23-25 Je '65

International notes. Nov. vrem. 23 no. 24:22-23 Je '65

Twentieth anniversary of the great victory. Sov. pedagog 20 no. 5:3-9 My '65.

War veterans as soldiers of peace. A. Pin. Nov. vrem. 22 no. 22:8 My '65

## WORLD WAR, 1939-1945

(see also subdivision under Africa; Bratislava; Briansk Province; Bulgaria; Chuvashia, Czechoslovakia; Europe, Eastern; Germany, Germany, East; Hungary; Kirghizistan; Leningrad; Moldavia; Murnansk; Ostrovo District, Poland; Ristinyeni, Cape, Murnansk Province; Ukraine, United States, Vitebsk Province; White Russia)

Akademiya nauk SSSR. [World history in ten volumes] Vsemirnaya istoriya v desyat tomakh. Glav. red. E. M. Zhukov. I dr. Moskva, Mysl'. Vol. 10. Pod red. V. V. Kursova I dr. 1965. 728 p.

Along the roads of the wartime newspapers. A. Putin. Poligrafia no. 3 11-18 My '65.

Behind the enemy's lines. I. G. Levitan. Poligrafia no. 5 20-23 My '65

The boundary of a new epoch. A. I. Eremonko. Mezhdunar. zhizn' 12 no. 5:9-17 My '65.

"Commence firing at me!" P. Riakhovskikh. Sots. zakon 42 no. 5:40-42 My '65.

The deed of an artist. V. Orlovskii. Sots. zakon. 42 no. 5:42-44 My '65.

Great victory. M. Malinikov. Sots. zakon. 42 no. 5:9-18 My '65

Great victory of a great people. Radio no. 5:1-2 My '65.

Heroic deeds of the U.S.S.R. Armed Forces. I. Yakubovskii. Komm. Ukr. 38 no. 5:10-17 My '65.

Home guard of the '41. A. L. Ugriumov. Vest. vys. shkoly 23 no. 4:65-66 Ap '65.

Immortal deed of the Soviet people. Sh. M. Mamedov. Vest. Mosk. un. Ser. 8: Ekon., filos. 20 no. 3:3-9 My-Je '65.

Immortal feat of the Soviet people. Vop. filos. 10 no. 5:3-11 '65.

In search of new conceptions. A. Merislov. Voen.-ist. zhur. 7 no. 4:102-110 Ap '65.

In the first hours of the war. E. Tsybun'skii. Voen. znani. 41 no. 6:4-5 Je '65.

In the orbit of history. RU. Zaruba. Komm. Ukr. 30 no. 5:42-50 My '65.

Meeting on the Elbe. G. Nekhonov. Voen.-ist. zhur. 7 no. 4:119-121 Ap '65.

Notes of a printer at the front. I. G. Levitan. Poligrafia no. 3:39-41 Mr '65.

The party led us to victory. Komm. Vostokh. Sili 46 no. 4:45-60 F '65.

Patriots guarding the homeland. A. Getman. Radio no. 5:7-8 My '65

Printers during the years of the Great Patriotic War. S. B. Pisman, M. L. Margolin. Poligrafia no. 5 16-18 Mr '65

Sensational discovery of "Look Magazine." Nov. vrem. 22 no. 22:15 My '65.

Through the years of battle. A. Rodimisev. Voen. znani. 41 no. 5:3-4 My '65

The 20th anniversary of a great victory. A. P. Grek. Vop. ist. KPSS 9 no. 6:150-153 Je '65

Twentieth anniversary of the great victory. Sov. pedagog 20 no. 5:3-9 My '65.

Twentieth anniversary of the great victory. Teori. i prakt. fiz. kult. 27 [1-28] no. 5:1-7 My '65

An unending feat. R. I. A. Molinovich. Sov. voen. 47 no. 8:2-5 Ap '65.

Unrepayable debt. Harry Freeman. Nov. vrem. 22 no. 20:16-18 My '65.

War and the death struggle of colonialism. Az. i Afr. seg. 8 no. 5:1 My '65.

With the party at the head. Voen. znani. 41 no. 5:1-2 My '65

## WORLD WAR, 1939-1945—AERIAL OPERATIONS

A chronicle of heroism. Kiy. rad. 16 no. 3:647 Mr '65.

A heart full of fire. M. Chochneva. Kiy. rad. 16 no. 3:4-5 Mr '65.

The invincible hand of the people. V. Gaponov, A. Zaitsev. Kiy. rad. 16 no. 3:9 Mr '65

Lukashin, V. I. [Against the common enemy] Protiv obshchego vraga. Moskva, Voenizdat, 1965. 172 p.

Story of the bravery of winged friends. N. Nechaev. Kiy. rad. 16 no. 3:14-15 Mr '62.

## WORLD WAR, 1939-1945—ATROCITIES

Criminal activity of fascist physicians during the Great Patriotic War. O. V. Pezov. Voen.-med. zhur. no. 6:70-82 '64.

## WORLD WAR, 1939-1945—BIBLIOGRAPHY see Bibliography—World War, 1939-1945

## WORLD WAR, 1939-1945—BIOGRAPHY

Trembach, I. S. [Paths of heroism; sketches] Dorogi podvigo, chetki. Elita, Kalinogostizdat, 1963. 183 p. (CS-11)

## WORLD WAR, 1939-1945—CAMPAIGNS

The year 1945, pages of reminiscences (to be continued). I. Konev. Nov. mir 41 no. 5:3-60 My '65

## WORLD WAR, 1939-1945—CAMPAIGNS—EASTERN

Materials for the history of the liberation of Warsaw from the German fascist occupants. V. N. Zhelezanov. Sov. slay no. 1 55-60 '65

## WORLD WAR, 1939-1945—CAUSES

Reflections on the last war. N. Tolenski. Mezhdunar. zhizn' 12 no. 5:18-27 My '65.

## WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Economic victory of the Soviet people in the Great Patriotic War. G. Kravchenko. Voen.-ist. zhur. 7 no. 4:37-47 Ap '65

Focus and figures on the Soviet economy during the years of the Great Patriotic War. S. Gurevich. Vest. sint. no. 5:3-18 '65

National economy of the U.S.S.R. during the years of the Great Patriotic War. G. Sorokin. Vop. ekon. no. 5:88-81 My '65.

On the labor firing line. A. Iakovlev, M. Leonov, A. Svetlov. Sov. voen. 47 no. 8:40-43 Ap '65.

Training workers for agriculture during the first years of the Great Patriotic War. I. I. Vinogradov. Vest. LGU 20 no. 8:5-13 '65.

## WORLD WAR, 1939-1945—EDUCATION AND THE WAR

Medals of the Red Star.... Prof.-tekh. obr. 22 no. 5:18 My '65.

Schools of the Donets Basin in the years of the Great Patriotic War. H. P. Leshchenko. Rad. shk. 44 no. 5:20-21 My '65.

Soviet schools in the years of great ordeal. V. Kumanov. Nar. obi. no. 5:9-12 My '65.

Soviet schools in the years of the Great Patriotic War. T. T. Arkina. Sov. pedagog. 20 no. 5:109-118 My '65

## WORLD WAR, 1939-1945—FINANCE

Nationwide patriotic movement. V. Samoilov. Fin. SSSR 39 no. 5:28-32 My '65.

Soviet finance during the period of the Great Patriotic War. M. Tamarchenko. Fin. SSSR 39 no. 5:23-28 My '65.

## WORLD WAR, 1939-1945—FOOD QUESTION

Great exploit of Soviet peasantry. N. Anisimov. Ekon. sei'khoz. 40 no. 5:1-8 My '65.

## WORLD WAR, 1939-1945—HISTORIOGRAPHY

Bellakov, A. P. [Historiography of the labor exploit of the Soviet people during the years of the Great Patriotic War], author's abstract of a dissertation for the degree of Candidate of Historical Sciences] Istoriografiya trudovogo podviga sovetskogo naroda v period Velikoi Otechestvennoi voiny, avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata istoricheskikh nauk. Nauchn. rukovoditel' P. A. Zhilin. Moskva, Mysl', 1964. 15 p.

[MICROFILM]

## WORLD WAR, 1939-1945—JOURNALISTS

Fighters recollect past days. T. Iakovlev. Sov. pech. no. 4:24-25 Ap '65

The newspaper of a military division. P. Tsarev. Sov. pech. no. 4:25-27 Ap '65

## WORLD WAR, 1939-1945—LAW AND LEGISLATION

Soviet law under the conditions of the Great Patriotic War. B. P. Kravtsov. Sov. gos. i pravo 35 no. 5:22-28 My '65.

War time legislation and the organs of justice during the Great Patriotic War. B. A. Viktorov. Sov. gos. i pravo 35 no. 5:20-35 My '65

## WORLD WAR, 1939-1945—LITERATURE AND THE WAR

For the sake of life on earth. Bibliotekar' 42 no. 4:27-31 Ap '65.

Immortal deed of the people. E. Kabaikina, A. Kimina. Bibliotekar' 42 no. 1:18-22 Ap '65

War diaries of Vsevolod Vishnevskii. A. I. A. Guben-shchikov. O. publits i publits no. 1:107-126 '61

## WORLD WAR, 1939-1945—MEDICAL AND SANITARY AFFAIRS

Combat friendship of Soviet and Yugoslav military physicians during the Great Patriotic War. A. S. Georgievskii. Voen.-med. zhur. no. 10 81-84 '61

Organization of drug supply to guerrilla units. N. K. Malevskii. Farmateev zhur. 19 no. 1:74-77 '64

Some problems in providing medical and sanitary supplies for the Soviet Army during the defense of Sevastopol. A. P. Ivanov. Voen.-med. zhur. no. 7:90-92 '61

## WORLD WAR, 1939-1945—MUSEUMS

Natasha's museum. V. Volgina. Sem'ia i shkola 20 no. 5:16 My '65

## WORLD WAR, 1939-1945—PEACE

Unfading feat of the Soviet people. Sov. gos. i pravo 35 no. 5:3-13 My '65.

Victory Day. Nov. vrem. 22 no. 20:1-3 My '65.

## WORLD WAR, 1939-1945—PERSONAL NARRATIVES

... and skill is obligatory! Ivan Ustinovich Kharchenko. Voen. znani. 41 no. 5:10-12 My '65

Big school and big family. Georgii Kofman. Sem'ia i shkola 20 no. 5:14-16 My '65

Boys asked to be sent to the front lines. V. Gromov, I. Porhadev. Sem'ia i shkola 20 no. 5:9-10 My '65

Courage. V. Gan. Prof.-tekh. obr. 22 no. 5:12-13 My '65.

Falcon. O. T. Testla. Rad. shk. 44 no. 5:18-19 My '65

Following the battles, reporting Viktor Aleksee Sem'ia i shkola 20 no. 5:11 My '65.

From the pages of a partisan diary. M. Vasiliev. Sem'ia i shkola 20 no. 5:33-31 My '65.

Glory to the hero! E. B. Zin'kovskii. Vest. vys. shkoly 23 no. 4:71-72 Ap '65.

He who liveth by the sword, dieth by the sword. M. Katukov. Oktabr' 41 no. 5:189-202 My '65.

Heroes among you. V. P. Olenko. Nar. obi. no. 5:13-21 My '65.

Heroes' meeting. S. Gubarev. Sov. tovg. 39 no. 5:20 My '65.

Heroism of Soviet youth. Shkola i protiv. 9 no. 5:2-8 My '65.

Immortal memory of the people. S. Glukhovskii. Sem'ia i shkola 20 no. 5:12-13 My '65

Leaving through the front-line notebooks. Mikhail Zlatogorov. Sem'ia i shkola 20 no. 5:5-6 My '65.

Letters of war veterans. V. Filkovskii, V. Lavrov, G. Pisanenko. Zhur. Mosk. Patr. no. 5:27-32 '65.

Natasha's school. Volodymyr Torin. Rad. shk. 44 no. 5:11-16 My '65.

Second life of Viktor Talatikhin. B. Aizen. Prof.-tekh. obr. 22 no. 5:14-15 My '65.

Sources of courage. K. A. Rusakova. Vest. vys. shkoly 23 no. 4:66-68 Ap '65.

Volynik, I. T. [Over five seas] Nad platiu moriam. Moskva, Voenizdat, 1964. 66 p. (Gerol.-sovremenniki)

They fought for their country. Sh. ed. spets. obr. 12 no. 4:3-11 Ap '65

Warriors recall days of the past.... E. Zhidilov. Bibliotekar' 42 no. 4:23-26 Ap '65.

We remember you, soldiers! B. I. Sudarov. Vest. vys. shkoly 23 no. 4:68-71 Ap '65.

With the name of a school graduate. M. Kuprin. Nar. obr. no. 5:37-38 My '65.

The year 1945; pages of reminiscences (to be continued). I. Konev. Nov. mir 41 no. 5:3-60 My '65.

## WORLD WAR, 1939-1945—PSYCHOLOGICAL ASPECTS

Unity in patriotism and internationalism as a mighty source of victory in the Great Patriotic War. I Kravtsev. *Komm. Ukr.* 39 no. 5:18-25 My '65

## WORLD WAR, 1939-1945—REGIMENTAL HISTORIES

Kuznetsov, A. I. [Heroes do not die] Gen. of ne unilafut. Pod red. A. P. Khamitsky, Alma-Ata, Kazakhskoe gos. izd-vo, 1963 167 p illus., maps. (NIC)

Samchuk, I. A. [Poltava Guards Division, a short sketch of the combat record of the 97th Poltava Guards Red Banner Rifle Division decorated with the Order of Suvoirov and Bohdan Khmel'nits'kyi] Gvardeiskaya Poltavskaya, kratkiy ocherk o boevom puti 97-igvardeiskoi Poltavskoi Krasnoznamennoi ordonov Suvoirova i Bogdana Khmel'nitskogo strelokoi divizii. Moskva, Voenizdat, 1965. 150 p.

## WORLD WAR, 1939-1945—SCIENCE

Together with the people and the heroic army. V. I. Komarov and others. *Prirod.* 54 no. 5:2-9 My '65

## WORLD WAR, 1939-1945—SOURCES

With the despair of the doomed. Voen.-ist zhur. 7 no. 4:89-94 Ap '65

## WORLD WAR, 1939-1945—TRANSPORTATION

The glory of these days will never fade, on the occasion of the 20th anniversary of the victory over fascist Germany. E. A. Smotrinskiy. *Prirod.* 54 no. 5:5-7 '65

The great exploit of Soviet people. *Mor flot* 25 no. 5:1-2 My '65

Heroic passages. A. I. Askevich. *Mor flot* 25 no. 5:10-12 My '65

In the name of life and peace on earth. A. Usminskiy. *Mor flot* 25 no. 5:6-9 My '65

Merchant seamen of the Black Sea in the Great Patriotic War. S. Vol'skiy, I. A. Shternstein. *Mor flot* 25 no. 5:3-5 My '65

Workers of the river fleet during the years of harsh trials. V. Neigold'berg. *Rech. transp.* 24 no. 4:51-53 '65.

## WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Along the roads of partisan glory. T. M. Shashko. *Rad. shk.* 44 no. 5:22-27 My '65

By the call of the heart. Kul'ma Hryb. *Rad. shk.* 44 no. 5:3-10 My '65

Fighting of the Soviet people in the enemy rear. P. Ponomarenko. *Voen.-ist zhur.* 7 no. 4:26-36 Ap '65.

Graduates of the Moscow Institute of Physical Education and Training as participants of the Great World War. N. N. Bugrov. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 5:8-10 My '65.

People's war. M. Gutin. *Nov. mir* 41 no. 5:269-271 My '65

## WORMS—ANATOMY

Micromorphological and histochemical study of cover tissues of some Strongyloids of the intestines. I. K. Bogolavitskiy. *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 1:62-68 '65.

## WORMS—EGGS

Effect of hemoglobin on the egg laying of *Ascaris suum* in vitro. T. S. Avanesova. *Izv. AN Turk. SSR, Ser. biol. nauk* no. 1:76-78 '65.

## WORMS, INTESTINAL AND PARASITIC

(see also subdivision under Azerbaijan; Berezina Preserve, Kura-Aras Lowland, Siberia, Eastern; White Russia)

Basic results of the study of helminths in game birds of the order Gallinae. O. B. Kasimov. *Trudy Inst. zool. AN Azerb. SSR* 24 78-84 '65

## WORMWOOD see subdivision under Mongolia

## WOUNDS

Diagnostic possibilities in the histological examination of stabbed and cut wounds. A. P. Zagladskaya. *Sud.-med. ekspert* 8 no. 1:3-6 Ja-Mar '65.

## WOUNDS—MICROBIOLOGY

(see also subdivision under Antarctic regions)

Problems of wound infection: a review of literature. M. G. Shraiber. *Voen.-med. zhur.* no. 9:13-18 '64.

## WRANGEL ISLAND see Vrangeli Island

## WRAPPING MACHINES

Automatic EZM-2 wrapping machine. I. A. V. Golovko. *Khleb. i kond. prom.* 8 no. 5:16-17 My '65.

## WRESTLING

Planting and content of training bouts on a carpet. N. N. Sorokin. *Teor. i prakt. fiz. kul't.* 27 [i.e. 28] no. 4:61-63 Ap '65

## WRITING

Papeckys, K. [From the arrow to the book] Nuo stroleis iki knygos. Vilnius, VAGA, 1964. 230 p. [in Lithuanian]

## X-RAY CRYSTALLOGRAPHY

Estimation of the anharmonic coefficients of the third and fourth order from experimental data on the temperature dependence of the intensity of X-ray interferences. V. P. Mykhal'chenko. *Ukr. fiz. zhur.* 10 no. 4:436-442 Ap '65

X-ray study of 1-methyl-5-bromouracil and 9-methyl-adenine complex. I. U. G. Baklagina, M. V. Vol'kenshetin, I. U. D. Kondrashov. *Biofizika* 10 no. 1:165-168 '65

## X-RAY DIFFRACTION EXAMINATION

X-ray diffraction analysis of butterfat, its low-melting fractions and butter. G. V. Tverdokhob and others. *Izv. vys. ucheb. zav., tekhn. tekhn.* no. 1:39-44 '65.

X-ray diffraction examination of oils and oil bases of margarine. N. I. Kozin and others. *Maslozhir. prom.* 31 no. 3:16-20 Mr '65

## X-RAY PHOTOGRAMMETRY

High speed stereoradiography. V. V. Gannov, E. D. Fedin. *Zhur. nauch. i prikl. fot. i kin.* 10 no. 2:124-131 Mr-Apr '65

## X-RAY SPECTRUM see Spectrum, X-ray

## X RAYS—DIFFRACTION

Width of the diffraction lines on X-ray patterns of strain-hardened metals. B. M. Rovinskii, L. M. Rybakova. *Fiz. met. i metalloved.* 19 no. 4:586-601 Ap '65.

## X RAYS—INDUSTRIAL APPLICATIONS

Application of radiation for the analysis of the contact between fibers in the products of spinning. L. A. Kuligin. *Izv. vys. ucheb. zav., tekhn. tekhn.* no. 2:66-70 '65.

X-ray investigation of nickel powders. V. V. Skorokhod, A. F. Khrienko. *Porosh. met.* 5 no. 5:1-3 My '65.

## X RAYS—PHYSIOLOGICAL EFFECT

Connection between rhodopsin luminescence and X-ray visibility. T. S. M. Avakian. *Biofizika* 10 no. 1:189-191 '65.

Critical periods in the development of palate, upper lip and upper jaw rudiments in the embryos of mice of SZNA line based on experiments with X-ray irradiation. I. A. Lotosh, Dokl. AN SSSR 162 no. 1:236-238 My '65

Effect of fractional irradiation on the absorptive and antibody-forming function of the reticuloendothelial system. E. D. Stepanian, R. A. Petrosian. *Izv. AN Arm. SSR, Biol. nauki* 18 no. 3:27-34 Mr '65

Effect of various doses of X rays on the osteogenesis in long tubular bones of the extremities in the embryos of mice. L. G. Neverova. *Dokl. AN SSSR* 161 no. 5:1216-1218 Ap '65.

Effect of whole-body X-ray irradiation on amination processes in the liver and kidneys. V. A. Novik. *Vestni AN BSSR, Ser. biol. nav.* no. 1:130-131 '65.

Effect of whole-body X-ray irradiation on the erythropoietic activity of the blood in anemized animals. R. A. Arutunian. *Izv. AN Arm. SSR, Biol. nauki* 18 no. 4:22-28 Ap '65.

Effect of whole-body X-ray irradiation on the iron metabolism in animal tissues. A. B. Uleshev. *Ukr. biokhim. zhur.* 34 no. 3:371-378 '62.

Reaction of tissue cultures to X-rays irradiation following their infection with the virus of foot-and-mouth disease. V. F. Sushkov, V. I. Rjabov, O. N. Karpov. *Vop. vet. virus.* 1:67-74 '64.

Reparation of the mitotic activity of the brain ependyma in the embryos of rats following X-ray irradiation. E. A. Val'shteyn. *Dokl. AN SSSR* 161 no. 4:955-957 Ap '65.

Synthesis of DNA and multiplication of corneal epithelial cells after irradiation. M. N. Veselkina. *TSitologiya* 4 no. 5:571-573 S-O '62.

## X RAYS—SCATTERING

Characteristic temperature of copper and Cu-Sn alloys found from measurements of the temperature coefficient of X-ray scattering. I. A. I. Graevskaya, V. I. Iveronova, V. P. Tarasova. *Fiz. i ver. tela* 7 no. 5:1342-1348 My '65.

Studying the effect of anomalous X-ray scattering in copper-titanium alloys subject to decomposition. E. G. Nesterenko, K. V. Chulstov. *Sbor. nauch. tr. Inst. metallofiz. AN URSS* no. 18:155-160 '64.

Theory of X-ray scattering at small angles by DNA molecules in a solution. B. A. Fedorov. *Biofizika* 10 no. 1:7-10 '65.

Theory of X-ray scattering by crystals with a body-centered cubic lattice containing chaotically distributed rectilinear dislocations. K. P. Rjaboshapka. *Sbor. nauch. tr. Inst. metallofiz. AN URSS* no. 18:19-27 '64.

Theory of X-ray scattering by crystals with a face-centered cubic lattice containing a chaotic distribution of dislocation loops. K. P. Rjaboshapka. *Sbor. nauch. tr. Inst. metallofiz. AN URSS* no. 18:3-18 '64.

X-ray study of structural transformations during the aging of the "Anko-4" alloy. Part 2: Effects of anomalous scattering caused by the initial stages of the decomposition of solid solutions. M. P. Arbutov, A. A. Pavlovskov, B. V. Khaenko. *Fiz. met. i metalloved.* 18 no. 4:530-535 Ap '65.

## XANTHENONE

Trihydroxyfluorones as photometric reagents for indium. V. A. Nazarenko, R. V. Ravitskaya. *Ukr. khim. zhur.* 30 no. 6:625-629 '61.

## XENOLITHS see subdivision under Buryat A.S.S.R

## XENOTIME see subdivision under Arvo Sea region

## XEROGRAPHY

Afanasyeva, L. V., and I. E. Karpeshko. [Electrophotographic recording of images] Elektrifologiya aficheskaya zapis' izobrazhenii. Moskva, Svyaz', 1965. 40 p. (Leksit po tekhnike svyazi)

Effect of some parameters of electrophotographic layers on the formation of the latent image. I. U. N. Barulin. *Zhur. nauch. i prikl. fot. i kin.* 10 no. 2:107-112 Mr-Apr '65

Mechanism of the formation of the photoelectret state in single crystals of some silver halides and alkaline metals. V. V. Pospelov, V. M. Fridkin. *Zhur. nauch. i prikl. fot. i kin.* 10 no. 2:118-123 Mr-Apr '65

## XYLENE

Chromatographic determination of the aromatic isomers in the production products of p-xylene. M. S. Vigdet'gaur, O. G. Chabrova. *Neftekhimiya* 5 no. 1:160-163 Ja-F '65.

## XYLENE—ANALYSIS

Cryoscopic method for determining the isomer content in xylene. Sh. T. Akhmedov and others. *Nefteper. i neftekhim.* no. 4:42-44 '65.

## XYLITOL

Toly others of 2,4-monomethylene-D, L-xyllitol and their derivatives. T. I. Orlova, A. N. Anikeeva, S. N. Danilov. *Zhur. ob. khim.* 35 no. 4:649-651 Ap '65.

## YAKUTIA—CRANES (BIRDS)

Asiatic white crane in Yakutia. K. A. Vorob'ev. *Prirod.* 54 no. 4:88-90 Ap '65.

## YAKUTIA—DIAMONDS, INDUSTRIAL

Investigating the physicochemical properties of Yakut diamonds in connection with their use in the reinforcement of drilling bits. N. F. Kagarmanov, P. S. Balanin, S. P. Raskazova. *Mash. i nef. obr.* no. 2:11-15 '65.

## YAKUTIA—ECONOMIC CONDITIONS

Garlaev, S. M. [Friendship among peoples as a powerful source of the development of the Yakut A.S.S.R.] Druzhba narodov - moguchiy istochnik razvitiya Yakutskoi IAKutskoi knizhnoe izd-vo, 1964. 120 p. (CSL-II)

## YAKUTIA—LUNGS—HYDATIDS

Pulmonary echinococcosis in Yakutia. L. A. Ugal, *Sov. med.* 28 no. 1:141-145 Ja '65.

## YAKUTIA—PETROLEUM GEOLOGY

Some regularities in the change of the density and specific weight of the Riphean (Sinean) sediments of southwestern Yakutia. V. T. Rabinov, M. R. Khobot. *Neftegaz. geol. i geofiz.* no. 1:34-37 '65

## YAKUTIA—RABIES

Some results of studying "madness" a nervous disease of animals in the Arctic tundra of Yakutia. A. K. Strogov. *Vop. vet. virus.* 1:515-522 '64.

## YAKUTIA—TULAREMIA

Probability of tularemia infections in man in a focus of floodplain type. D. I. Brikan. *Zhur. mikrobiol., epid. i immun.* 42 no. 4:16-20 Ap '65.

## YAKUTIA IN LITERATURE

Pasulkin, K. F. [Yakutia in Russian belles lettres; the pre-October period] IAKutia v russkoi khudozhestvennoi literature, dooklady'skii period. IAKutskoi knizhnoe izd-vo, 1964. 71 p. (NKC)

## YAKUTSK—MAGNETISM, TERRESTRIAL—OBSERVATIONS

Correction factor for the K-index of the Yakutsk magnetic observatory. A. A. Danilov, V. I. Chirkov. *Geomag. i aer.* 5 no. 3:586-590 My-Je '65.

## YARINO-KAMENNOLOZHSKOYE OIL FIELD—OIL

Field flooding

Present status of the development of the pool of the Yasnaya Polyana super-horizon in the Yarino-Kamenno-lozhskoye oil field. I. U. Kh. Shiriaev. *Nefteprom. delo* no. 2:3-8 '65.

## YARN

Experimental use of fiber cross-linking in the production of bulk stretch yarn. A. S. Lifaniseva, N. P. Solov'ev. *Tekst. prom.* 25 no. 3:32-33 Mr '65.

Mechanism of the strength reduction in synthetic fibers during the twisting of complex yarn. M. P. Nosov. *Tekst. prom.* 25 no. 5:24-26 My '65.

Methods and characteristics of the efficiency of fiber blending in the yarn. N. I. Ratiani. *Izv. vys. ucheb. zav., tekhn. tekhn.* no. 1:83-87 '65.

Ways to improve the quality of yarn grades. A. V. Toropishev. *Tekst. prom.* 25 no. 5:8-8 My '65.

## YARN—TESTING

- Characteristics of cotton blends with synthetic fibers and of yarns produced from these blends. A. L. Sizova. Tekst. prom. 25 no. 3:23-28 Mr '65.
- Characteristics of yarn and knit goods manufactured from a cotton and lavsan blend. P. M. Konukov, B. E. Frolov, A. I. Koshlakov. Tekst. prom. 25 no. 3:10-14 Ap '65.
- Effect of the cut length of nylon fibers on yarn properties. T. U. Kuznetsov, N. I. Tsvetkov. Izv. vuz. ucheb. zav., tekhn. tekhn. prom. no. 2:20-22 '65.
- Relation between the strength and elongation of soft and sized yarn in short cuts. L. T. Zolotarevskii, Izv. vuz. ucheb. zav., tekhn. tekhn. prom. no. 1:21-31 '65.
- Twisted yarn from blends of cotton with synthetic fibers. A. N. Vanchikov. Tekst. prom. 25 no. 3:15-17 Mr '65.

## YAROSLAVL—BAKERIES—TECHNOLOGICAL INNOVATIONS

- In collaboration with science. V. F. Shilova. Khleb. i kond. prom. 9 no. 5:23-24 My '65.

## YAROSLAVL PROVINCE—AGRICULTURAL LIBRARIES

- How we serve the specialists. S. Smolnova, G. Khreninova. Bibliotekar' 42 no. 3:10-11 Mr '65.

## YAROSLAVL PROVINCE—EDUCATION, PRESCHOOL

- Up to the level of city schools. S. Loginova, N. Cherepina. Doshk. vosp. sh. no. 1:74-75 Ja '65.

## YEAST

- Changes in the maltase activity of pitching yeast during its growing process. V. P. Kozlovets, Khleb. i kond. prom. 9 no. 5:16-18 My '65.
- Free radicals of a new type in yeast cells. A. F. Vanin, R. M. Nalbandian. Biofizika 10 no. 1:167-168 '65.
- Interrelationship between lactic acid bacteria and yeasts in the process of alcoholic fermentation. M. L. Andrusenko, A. I. Runov. Uzb. biol. zhur. 9 no. 2:29-32 '65.
- Modification of the composition of molasses stillage during the growing of fodder yeast. M. A. Parkhomchuk, A. G. Zubrodskii, I. S. Kovalchuk. Perm. i spirt. prom. 31 no. 4:40-43 '65.
- Plavayko, E. A., and L. D. Belova. [Modern methods for the preparation of molasses for yeast production.] Sovremennye sposoby podgotovki melassy dlia drozhdzhevo go proizvodstva. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 10 p. (Tekhnicheskaya informatsiya)

## [MICROFILM]

- Production of fodder yeast at the Kotlassk sulfite alcohol plant. V. I. Nikonov. Gidroliz i lesokhim. prom. 18 no. 3:24-25 '65.
- Propagation of fodder yeast on corn cob hydrolyzates. S. I. Belen'kii, L. I. Komarova. Gidroliz i lesokhim. prom. 18 no. 3:20-22 '65.
- Selecting pure yeast cultures for alcohol distillation with their utilization for bread making. K. A. Kirova. Izv. vuz. ucheb. zav.; pishch. tekhn. no. 1:68-70 '65.
- Some potentials for the improvement of the production of baker's yeast. V. H. Harbarenko, B. I. Evsaichik. Khim. prom. no. 2:26-28 Ap-Je '65.
- Spray dryer for fodder yeast. S. A. Mersalkin, V. A. Rodin. Gidroliz i lesokhim. prom. 18 no. 2:24-26 '65.
- Yeast adaptation to furfural. G. S. Rodionova and others. Gidroliz i lesokhim. prom. 18 no. 2:3-5 '65.
- Yeast generator with self-aeration. S. P. Koloskov and others. Perm. i spirt. prom. 31 no. 1:26-28 '65.
- Yeast Schizosaccharomyces Pombe in baking. D. L. Shumilina and others. Izv. AN Kazakh. SSR, Ser. biol. nauk 3 no. 2:20-21 Mr-Apr '65.

## YEAST—CULTURES AND CULTURE MEDIA

- (see also subdivision under Armenia)
- Accumulation of carotinoids by Rhodotorula yeast in some culture media. A. S. Vechev and others. Izv. vuz. ucheb. zav., pishch. tekhn. no. 2:45-49 '65.
- Adaptation of the yeast Torulopsis candida to pentoses. I. U. N. Karnashevich. Izv. AN SSSR, Ser. biol. no. 3:308-309 My-Je '65.
- Cultural characteristics of the effect of biotin and nitrogen source on the accumulation of gamma-aminobutyric acid in yeast. M. A. Ter-Karapetian, E. N. Makarova. Dokl. AN Arm. SSR 40 no. 2:117-121 '65.
- Effect of antagonists of protein synthesis on the ribosomal apparatus of the yeast cell. L. A. Shevchenko, I. I. Filippovich. Dokl. AN SSSR 161 no. 6:1461-1464 Ap '65.
- Effect of carbon source in the medium on amino acid synthesis by yeasts. A. P. Krut'chukova, G. I. Vorob'eva, L. M. Bobyr'. Prikl. biokhim. i mikrobiol. 1 no. 1:78-82 Ja-Je '65.
- Effect of the products of the vital activity of yeast on tobacco mosaic virus. A. D. Bobyr, L. U. Hushak. Mikrobiol. zhur. 27 no. 2:73-78 '65.
- Studying the barley malt shoots, their water extraction and extracts. G. I. Fertman, E. A. Isakova. Izv. vuz. ucheb. zav., pishch. tekhn. no. 2:117-120 '65.
- Tryptophan biosynthesis by yeasts of the genus Hansenula. E. L. Ruban, L. B. Lobysova. Prikl. biokhim. i mikrobiol. 1 no. 1:74-77 Ja-Je '65.

## YEAST—MICROBIOLOGY

- Bacterial microflora in the production of baker's yeast. L. A. Goncharova. N. N. Bocharova. Izv. vuz. ucheb. zav., pishch. tekhn. no. 2:50-53 '65.
- Use of coliforms in the control of bacterial infection. Reports No 1 and No 2. N. N. Bocharova. Izv. vuz. ucheb. zav., pishch. tekhn. no. 2:100-106 '65.

## YEAST—STORAGE

- Storage of yeast and characteristics of their fermentation. I. M. Galushka, L. M. Obolina. Gidroliz i lesokhim. prom. 18 no. 3:25-26 '65.

## YEAST AS FEED

- Improving the production of fodder yeast. E. I. Asutina. Gidroliz i lesokhim. prom. 18 no. 2:23-24 '65.

## YEGOR'YEVSK REGION (ALTAI TERRITORY)—WIND-BREAKS, SHELTERBELTS, ETC.

- Growing shelterbelts in the Altai using seedlings of self-sown birch. A. A. Sokolov. Sborn. nauch.-issl. rab. VNIIMI no. 20:80-82 '60.

## YELETS (LIPETSK PROVINCE)—WOOL INDUSTRY

- This might not have happened. V. Abolin. Zakup. sel'khoz. prod. no. 5:26-27 My '64.

## YELLOW STAR—OF—BETHLEHEM

- Dynamics of temperature optimum in Gagea lutea (L.) Ker-Gawl. during dormancy. T. K. Goryshina. Nauch. dokl. vuz. shkoly, biol. nauki no. 2:136-139 '65.

## YENISEY RANGE—FOLDS (GEOLOGY)

- Riphean structures in the northwestern part of the Yenisey Range. M. N. Belinskii, E. A. Dolginov. Geotektonika no. 2:17-31 Mr-Apr '65.

## YENISEY RANGE—GEOLOGY, STRATIGRAPHIC

- Stratigraphy of metamorphic formations in the Kan block of the Yenisey Range. E. B. Nalivkina. Dokl. AN SSSR 101 no. 4:907-910 Ap '65.

## YENISEY RIVER—ICE

- Effect of the ice flow on the port structures of the lower Yenisey River. V. Gossman. Rech. transp. 24 no. 3:43-44 '65.

## YENISEY RIVER—LUMBER—TRANSPORTATION

- Khudonogov, V. N. [Raft floating in the Angara-Yenisey basin.] Pilotnyi splay v Angaro-Eniseiskom basseine. Moskva, Tsentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-bumazhnoi, derevobrabatyvayushchei promyshl. i lesnomu khoz., 1964. 24 p. (Lesoskoplutatsiya)

## [MICROFILM]

## YEVPAATORIYA REGION (UKRAINE)—ARCHAEOLOGY—METHODOLOGY

- Practice in using the electric profiling method in archaeological work. K. K. Shilik. Krat. soob. Inst. arkeol. no. 103:153-156 '65.

## YEVPAATORIYA REGION (UKRAINE)—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

- Excavations of an ancient site beside the "Chaika" sanatorium near Yevpatoriya in 1963. A. N. Karashev. Krat. soob. Inst. arkeol. no. 103:131-138 '65.

## YOUNG COMMUNIST LEAGUE see Communist Youth League

## YOUTH

- (see also subdivision under Estonia)
- Interesting document of our time: "I and my time." Reviewed by A. M. Aikhangeli. V. G. Mordkovich. Sov. pedagog. 29 no. 4:137-140 Ap '65.

## YOUTH—EMPLOYMENT

- (see also subdivision under Novosibirsk)
- More attention to the placing of juveniles in jobs. A. Troshin. Sov. iust. 29 no. 6:7-9 Mr '65.
- Pass the fathers' skills to the reliable hands of young workers. V. Golovanov. Sov. profsoyuzy 21 no. 10:20-21 My '65.

## YTTERBIUM

- Pressure of saturated vapors of erbium, samarium, and ytterbium. A. A. Kruglykh, E. P. Kovtun, V. S. Pavlov. Ukr. fiz. zhur. 10 no. 4:432-435 Ap '65.

## YTTRIUM—SPECTRA

- Yttrium refinement in a vacuum. V. E. Ivanov, V. V. Vorobiev, E. P. Balenko. Ukr. fiz. zhur. 10 no. 5:543-547 My '65.

## YTTRIUM—CHROMIUM ALLOYS see Chromium-yttrium alloys

## YUGOSLAVIA—BIOLOGICAL RESEARCH

- Three weeks in Yugoslavia. M. Kh. Chudakhan. Izv. AN SSSR, Ser. biol. no. 3:407-470 My-Je '65.

## YUGOSLAVIA—CONSTITUTION

- New Constitution of the peoples of Yugoslavia. E. Tikhonova. Rad. pravo 28 no. 2:119-122 Mr-Apr '65.

## YUGOSLAVIA—EDUCATION

- V. I. Lenin's ideas in the public education of Yugoslavia. Dragutin Frankovich. Sov. pedagog. 29 no. 4:97-102 Ap '65.

## YUGOSLAVIA—FOREIGN RELATIONS

- The foreign policy of Yugoslavia, 1935-1936. V. K. Volkov. Sov. slav. no. 1:31-35 '65.

## YUGOSLAVIA—VOCATIONAL EDUCATION

- Training of qualified workers for the service industries in Yugoslavia. I. Kovalenko, B. Subbotina. Fiz. i tekhn. obr. 22 no. 5:30-31 My '65.

## YUKAGHIR see subdivision under Siberia, Eastern

## YUNNAN PROVINCE, CHINA—FORESTS AND FORESTRY

- Effect of the relief on the distribution of subtropical forests in Yunnan (the Chinese People's Republic). A. G. Voronov, L. V. Zhdanova. Biol. MOIP, Otd. biol. 70 no. 2:35-66 Mr-Apr '65.

## YUSUF, KHAAS—HAJIB, 11th cent

- The world outlook of Yusuf Balasagunskii, political precepts of the Central-Asian philosopher of the 11th century. A. A. Valtova. Krat. soob. Inst. nar. A. 2 no. 7:99-125 '64.

## ZABELIN, IVAN EGOROVICH, 1820-1906

- Ivan Egorovich Zabelin. Historical views and scientific activity, 1820-1863. N. L. Rubinshtein. Ist. SSSR 9 no. 1:54-74 Ja-F '65.

- On the occasion of the publication of N. L. Rubinshtein's study on I. E. Zabelin. S. S. Dmitriev. Ist. SSSR 9 no. 1:51-54 Ja-F '65.

## ZAILIYSKIY ALATAU see Trans-Ili Alatau

## ZAKATALY PRESERVE—TICKS

- Ecology of birds, wild mammals and domestic animals of the Zakataly Preserve of the Azerbaijan S. S. R. N. S. Abusalmov. Trudy Inst. zool. AN Azerb. SSR 2:418-188 '65.

## ZAKHAR'EVSKAYA, MARIA ALEKSEEVNA, 1889

- Maria Alekseevna Zakhar'evskaya, on her 75th birthday. Arkh. gai. 26 no. 12:3-5 '64.

## ZAKHAROV, EVGENII IVANOVICH

- Captain Zakharov. Mor. flot. 24 no. 9:30 S '64.

## ZAKS, SAVELII LEONOVICH, 1891-1964

- Savelii Leonovich Zaks, obituary. Nefteprom. delo no. 2:38 '65.

## ZAPADNAYA DVINA see Western Dvina River

## ZAPOROZH'YE—IRON AND STEEL PLANTS

- At the head of technical development. B. Sergueev. NTO 7 no. 3:8 Mr '65.

## ZAPOROZH'YE PROVINCE—CONTRACTS, AGRICULTURAL

- The power of contractual agreement is in the control over its fulfillment. I. Brilenko. Zakup. sel'khoz. prod. no. 5:42-43 My '64.

## ZAPOROZH'YE PROVINCE—ECONOMIC GEOGRAPHY

- Stognii, N. I. [Zaporozh'ye Province, its nature and economy.] Zaporozhskaya oblast': priroda i khoz. iustvo. [Zaporozh'e] Zaporozhskoe knizhnoe-gazetnoe izd-vo, 1963. 273 p.

## ZAPOROZH'YE PROVINCE—PRODUCE TRADE

- The power of contractual agreement is in the control over its fulfillment. I. Brilenko. Zakup. sel'khoz. prod. no. 5:42-43 My '64.

## ZAPOROZH'YE PROVINCE—SCHOOL LIBRARIES

- In the Ministry of Education of the Ukrainian S. S. R. Rad. shk. 43 no. 4:106-111 Ap '65.

## ZASLAVL' RESERVOIR—ROACH (FISH)

- Postspawning death of roach in the Zaslavl' Reservoir. Kh. S. Harshid and others. Vestn. AN BSSR, Ser. sel'khoz. nav. no. 1:132-137 '65.

## ZAYSAN DEPRESSION—GEOLOGY

- Velikovskaya, E. M. [Pliocene sediments of the southwestern Altai and the Zaysan Depression.] Pilotnye otlozheniya Iugo-Zapadnogo Altaia i Zaysanskoi kotloviny. Otv. red. A. A. Bogdanov. [Moskva] Izd-vo Mosk. univ., 1964. 70 p.

## ZELKOVA see subdivision under Lenkoran' Lowland

## ZENITH TELESCOPE see Telescope, Zenith

## ZEOLITES

- Adsorption of the vapors of individual hydrocarbons by molecular sieves. G. M. Panchenkov, V. A. Skoble. Trudy MINKHIF no. 44: 220-228 '63.
- Adsorption of thiophene from solutions by type-x molecular sieves. A. V. Kiselev, I. A. Elisev, V. N. Novikova. Neftekhimiya 5 no. 1:136-140 Ja-F '65.



## ZEOLITES (Continued)

Energy of interaction between simple molecules and faujasite-type zeolites. P. Bräuer and others. Dokl. AN SSSR 161 no. 1:853-856 Ap '65.

Using granulated zeolites (molecular sieves) in the gas-chromatographic separation of gases and hydrocarbons. A. V. Kisilev, I. U. L. Chernenkova, I. A. I. Ashin. Neftekhimiya 5 no. 1:141-148 Ja-F '65.

## ZERAVSHAN RANGE—GEOLOGY, STRATIGRAPHIC

Devonian sediments of the Zeravshan-Glasai mountainous area. V. L. Leloshov. Dokl. AN SSSR 162 no. 1:158-160 My '65.

## ZERAVSHAN VALLEY—COTTON—FERTILIZERS AND MANURES

Amounts and dates for the placement of nitrogen fertilizers for cotton in meadow-bog soils of the Zeravshan Valley. I. Khodzhanisrov. Sbor. nauch. rab. asp. SojuzNIKHI no. 5:244-253 '64.

## ZERAVSHAN VALLEY—COTTON GROWING

Agronomical characteristics and the development of cultivation practices of growing pulse crops in cotton crop rotation in the Zeravshan Valley. V. S. Khankishev. Sbor. nauch. rab. asp. SojuzNIKHI no. 5:15-57 '64.

## ZERAVSHAN VALLEY—LEGUMES

Agronomical characteristics and the development of cultivation practices of growing pulse crops in cotton crop rotation in the Zeravshan Valley. V. S. Khankishev. Sbor. nauch. rab. asp. SojuzNIKHI no. 5:15-57 '64.

## ZERNOGRAD DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION

Promotional bonus wages in mechanized brigades. I. N. Kuchuk, M. K. Kuchuk. Ekono. sel'khoz. 10 no. 5:79-81 My '65.

## ZERNOGRAD DISTRICT—FERTILIZERS AND MANURES—HANDLING

Our practices in the placement of fertilizers. V. Bolchenko. Tekh. v sel'khoz. 25 no. 4:12-14 Ap '65.

## ZEROMSKI, STEFAN, 1864-1925

Zeromski and Plus, on the 100th anniversary of the birth of S. Zeromski. L. Z. Tsyhenko. Vest. Mosk. univ. Ser. 7. Filol., zhur. 20 no. 2:9-20 Mi-Ap '65.

## ZHELTOV, IVAN PETROVICH, 1915-1965

Ivan Petrovich Zheltov; obituary. Maslozhiz. prom. 31 no. 4:46 Ap '65.

## ZHETYBAY OIL FIELD—OIL WELL DRILLING

Possibility of lightening and simplifying the standard design of wells on the Zhetybay oil field on Mangyshlak Peninsula. A. N. Kechekeziev, M. K. Baitulin. Burenie no. 9:10-21 '64.

## ZHETYBAY OIL FIELD—OIL WELL DRILLING FLUIDS

Stabilizing clay muds on the Zhetybay oil fields. R. C. Rytalin. Burenie no. 12:11-13 '64.

## ZHIDACHOV (LVOV PROVINCE)—WOODPULP INDUSTRY

Biological purification of waste waters in the Zhidachov Combine. A. P. Potapenko. Bum. prom. no. 4:15-16 Ap '65.

## ZHITOMIR PROVINCE—BEEF—ECONOMIC ASPECTS

Ways for increasing the profitability of the production of milk and beef as exemplified by 92 collective farms in the Polesye zone of Zhitomir Province. A. S. Chernysh. Trudy mol. uch. UASHN no. 9:109-111 '63.

## ZHITOMIR PROVINCE—MILK—ECONOMIC ASPECTS

Ways for increasing the profitability of the production of milk and beef as exemplified by 92 collective farms in the Polesye zone of Zhitomir Province. A. S. Chernysh. Trudy mol. uch. UASHN no. 9:109-111 '63.

## ZHOVNO (UKRAINE)—HISTORY

Zhovno. V. N. Zhuk, H. M. Pylypenko. Ukr. ist. zhur. no. 8:104-107 N-D '64.

## ZINC—EFFECT ON PLANTS see Plants, Effect of zinc on

## ZINC ALLOYS

Coefficient of distribution of zinc in aluminum antimonide. I. A. Strelnikova, M. S. Margalovskaya. Izv. AN SSSR. Neorg. mat. 1 no. 1:91-95 Ja '65.

## ZINC CHLORIDE

Standard heats of formation of  $ZrCl_4$  and  $HfCl_4$ . G. L. Galchenko and others. Dokl. AN SSSR 161 no. 5:1081-1084 Ap '65.

## ZINC CHLORIDE—THERMODYNAMICS

Thermodynamic properties of zinc chloride in fused mixtures of  $ZnCl_2$  -  $KCl$  and  $ZnCl_2$  -  $RbCl$ . B. T. Markov, S. V. Volkov. Ukr. khim. zhur. 30 no. 6:515-553 '64.

## ZINC COMPOUNDS—ELECTRIC PROPERTIES

Electric and photoelectric properties of  $ZnSiP_2$ . N. A. Gorlunova and others. Fiz. tver. tela 7 no. 5:1312-1314 My '65.

## ZINC COMPOUNDS—PHOTOELECTRIC PROPERTIES

Electric and photoelectric properties of  $ZnSiP_2$ . N. A. Gorlunova and others. Fiz. tver. tela 7 no. 5:1312-1314 My '65.

Photoelectric properties of  $p-ZnSiAs_2$  and  $p-CdGeAs_2$  crystals. I. F. Kesamanly, I. V. Rud', S. V. Slobodchikov. Dokl. AN SSSR 161 no. 5:1065-1066 Ap '65.

## ZINC FERROCYNIDE

Formation reaction methods of preparation, and ion-exchange properties of zinc hydrogen ferrocyanide. I. V. Tananaev, A. P. Koiol'kov. Izv. AN SSSR. Neorg. mat. 1 no. 1:100-107 Ja '65.

## ZINC ORES see subdivision under Caucasus, Northern

## ZINC OXIDE—SPECTRA

Nature of the yellow and green luminescence of non-activated zinc oxide. N. S. Orshanskaya, L. A. Markovskii. [Trudy] GIPKH no. 51:73-82 '64.

## ZINC PLATING

Effect of the conditions of electrolysis of zinc chloride acid solutions on the magnitude of the true surface of zinc precipitates. G. N. Znamenskiy, A. P. Zhuk, V. V. Sunder. Ukr. khim. zhur. 31 no. 4:367-372 '65.

Practice in anticorrosion zincing of welded joints. B. I. Arieli, I. A. L. Mamut, S. S. Berlin. Bet. i zhel. - bot. 9 no. 6:240-252 Jo '63.

Structure and internal stresses of zinc electrodeposited in the presence of alcohols. M. I. A. Popel'ska, V. V. Koshmanov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 6:967-972 '64.

## ZINC SELENIDES

Determining microamounts of oxygen in zinc selenide. I. A. Mironov. [Trudy] GIPKH no. 51:122-126 '64.

Studying the phase composition and thermal stability of acid zinc selenides. I. U. P. Sapozhnikov, L. A. Markovskii. [Trudy] GIPKH no. 51:20-29 '64.

## ZINC SELENIDES—ANALYSIS

Chemical and spectral method for determining nickel and cobalt microimpurities in zinc selenide as pure luminescent. L. B. Kalinina. [Trudy] GIPKH no. 51:117-121 '64.

## ZINC SULFATE

Development of new chromatographic methods of fine purification of concentrated zinc sulfate solutions. A. A. Rak-Racyskaya. [Trudy] GIPKH no. 51:4-7 '64.

## ZINC SULFIDE

Effect of the conditions of preparation on the formation of electron traps in self-activated zinc sulfide. A. A. Bundel', G. V. Zhukov. Opt. i spekt. 18 no. 3:470-485 Mr '65.

## ZINC SULFIDE—ELECTRIC PROPERTIES

Effect of electroluminescence on the dielectric properties of  $ZnS$ -electroluminescent. K. Sh. Enkeeva. Vest. AN Kazakh SSR 21 no. 3:85-91 Mr '65.

## ZINC SULFIDE—SPECTRA

Spectral analysis of zinc and cadmium sulfides with preliminary concentration with microadditives by the method of evaporation in vacuum. L. A. Khelebnikova, L. A. Dvorzhetskaya. [Trudy] GIPKH no. 51:111-116 '64.

## ZINC SULFIDE CRYSTALS

Electroluminescence of zinc sulfide single crystals. V. E. Oranovskii, V. V. Samotolkin. Opt. i spekt. 18 no. 3:471-478 Mr '65.

## ZINC TELLURIDES—PHOTOELECTRIC PROPERTIES

Some photoelectric properties of  $ZnTe$ . A. D. Schneider, V. V. Makarenko. Ukr. fiz. zhur. 10 no. 5:566-570 My '65.

## ZIRCON—DENSITY

Rapid method of determining the zircon content in a quartz mixture. S. T. Balint, Ogneupay 30 no. 3:42-44 '65.

## ZIRCONATES

Rare-earth zirconates and their physicochemical properties. Report No. 2. Praseodymium zirconate  $Pr_2Zr_2O_7$ . Fan' Fu-kang [Fan Fu-kang], A. K. Kuznetsov, T. K. Keler. Izv. AN SSSR. Ser. khim. no. 1:585-588 '65.

## ZIRCONIUM BORIDES

Performance of thermocouple tips made of zirconium boride in a bessemer converter. V. S. Pochepov, others. Porosh. met. 5 no. 1:88-93 Mr '65.

## ZIRCONIUM CHLORIDES

Behavior of zirconium dichloride in fused mixtures of alkaline and alkaline earth metals. I. N. Shelko, V. T. Barchuk. Ukr. khim. zhur. 30 no. 6:577-581 '64.

## ZIRCONIUM ISOTOPES

New neutron-deficient zirconium isotopes, N. G. Zaitseva and others. IAD. fiz. 1 no. 3:385-388 Mi '65.

## ZIRCONIUM PHOSPHATES

Catalytic properties of zirconium phosphate. A. A. Balandin and others. Dokl. AN SSSR 161 no. 4:851-852 Ap '65.

Ion-exchange properties of zirconium phosphate. V. F. Tikvay, L. I. Tsukurova. Izv. AN SSSR. Neorg. mat. 1 no. 1:108-112 Ja '65.

## ZMIYEV (KHARKOV PROVINCE)—LECTURES AND LECTURING

Correct proposals. M. Fanov. Part. zhizn' no. 10:65-66 My '65.

## ZODIACAL LIGHT

Contribution of the dust cloud surrounding the earth to the brightness of the zodiacal light and the P-corona. N. B. Divari. Astron. zhur. 42 no. 3:645-652 My-Je '65.

## ZONE MELTING

Effect of electric conditions of electric slag remelting on the rate of electric metal melting and characteristics of the metal bath. I. U. M. Mironov, M. K. Kheuev, V. V. Topilin. Izv. vys. ucheb. zav., Chern. met. 8 no. 5:51-56 '65.

Improving the macrostructure of electric-slag refined steel. I. U. I. Zabalnev and others. Met. i gornorud. prom. no. 2:24-26 Mr-Ap '65.

Using zone recrystallization for variable cross section ingots. V. N. Vigdorovich, A. E. Vol'pian. Izv. AN SSSR. Met. no. 1:88-96 Ja-F '65.

Zone melting of metals in water-cooled copper crucibles. V. G. Epifanov, A. G. Lesnik. Sbor. nauch. trud. Inst. metallofiz. AN URSR no. 20:185-190 '64.

## ZOOLOGY see subdivision under India

## ZOOLOGY—CATALOGS AND COLLECTIONS see subdivision under Chukchi National Area

## ZOOLOGY—JUVENILE LITERATURE

Midguts and giants from the animal kingdom. I. Soslovskii. Doshk. vosp. 38 no. 1:62-66 Ja '65.

## ZOONOSES

Occurrence of Omak hemorrhagic fever in man and muskrats in the winter period. T. N. Fedorova, G. A. Sizemova, Zhur. mikrobiol., epid. i immunit. 41 no. 11:134-136 N '64.

## ZYRYANOVSK (EAST KAZAKHSTAN PROVINCE)—LEAD MINES AND MINING

Creative cooperation of science and industry at the Zyryanovsk lead combine. M. G. Sedov, S. L. Iofin. Gor. zhur. no. 3:5-8 Mi '65.

# Monthly Index *of* Russian Accessions



Volume 18, No. 6

September 1965

---

THE LIBRARY OF CONGRESS  
WASHINGTON : 1965

## INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS\* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. *Biul. eksp. biol. i med.* 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, \$14.00 a year domestic, \$5.00 a year additional for foreign mailing.

L. C. card, 48-46562

\*Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

# SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaOTR	Royal Canadian Institute, Toronto, Canada.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CaOTU	(Collection included with CaOTU)
AU	University of Alabama, University	CaQMAI	University of Toronto, Toronto, Canada
AzTeS	Arizona State College, Tempe		Arctic Institute of North America, Montreal, Canada
AzU	University of Arizona, Tucson	CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal, Canada
C	California State Library, Sacramento	CaQMM	McGill University, Montreal, Canada
CCC	Honnold Library, Claremont, Calif.	CaQMU	La Bibliothèque de l'Université de Montréal, Montreal, Canada
CFS	Fresno State College, Fresno, Calif.	CaSSU	University of Saskatchewan, Saskatoon, Canada
CL	Los Angeles Public Library	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CLCM	Los Angeles County Museum Library, Los Angeles	CoD	Denver Public Library
CLL	Los Angeles County Law Library, Los Angeles	CoDM	Medical Society of the City and County of Denver
CLM	Los Angeles County Medical Association, Los Angeles	CoFS	Colorado State University, Fort Collins
CLSU	University of Southern California, Los Angeles	CoU	University of Colorado, Boulder
CLSU-H	— Hancock Library of Biology	CtHT	Trinity College, Hartford, Conn.
CLU	University of California at Los Angeles	CtU	University of Connecticut, Storrs
CMthL	University of California, Lick Observatory, Mount Hamilton	CtW	Wesleyan University, Middletown, Conn.
CPT	California Institute of Technology, Pasadena	CtY	Yale University, New Haven
CSf	San Francisco Public Library	CtY-L	— Law Library
CSfA	California Academy of Sciences, San Francisco	CtY-M	— Medical School Library
CSfU	University of San Francisco, San Francisco	DAIA	American Institute of Architects Library, Washington, D. C.
CSmH	Henry E. Huntington Library, San Marino, Calif.	DAL	U. S. Army Library, Pentagon Building
CSt	Stanford University Libraries, Stanford, Calif.	DBC	U. S. Bureau of the Census Library
CSt-H	— The Hoover Institution on War, Revolution, and Peace	DBS	U. S. National Bureau of Standards Library
CSt-L	— Lane Medical Library	DC	U. S. Department of Commerce Library
CStbS	University of California, Santa Barbara Library, Goleta	DCU	Catholic University of America Library, Washington, D. C.
CStmoR	Rand Corporation, Santa Monica, Calif.	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CU	University of California, Berkeley	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CU-A	— University of California, Davis	DFR	Board of Governors of the Federal Reserve System
CU-B	— Bancroft Library, Berkeley	DI	U. S. Department of the Interior Library
CU-E	— East Asiatic Library, Berkeley	DI-GS	— Geological Survey Library
CU-M	— Medical Center, San Francisco	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CU-Riv	— College of Arts, Letters and Science, Riverside	DN	U. S. Department of the Navy Library.
CU-S	— Scripps Institution of Oceanography, La Jolla	DN-HO	— Naval Oceanographic Office Library
CaAEU	University of Alberta, Edmonton, Canada	DN-Ob	— Naval Observatory Library
CaBVA	Vancouver Public Library, Vancouver, Canada	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CaBVAU	University of British Columbia, Vancouver, Canada	DNAL	National Agricultural Library
CaBVIPA	Provincial Archives, Victoria, Canada	DNH	National Institutes of Health Library, Bethesda, Md.
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DNLM	U. S. National Library of Medicine
CaNBfU	University of New Brunswick, Fredericton, Canada	DNW	U. S. National War College Library, Fort McNair
CaOKQ	Queen's University, Kingston, Canada	DP	U. S. Patent Office Library
CaOL	London Public Library, London, Canada	DS	U. S. Department of State Library
CaOLU	University of Western Ontario, London, Canada	DSC	Scottish Rite Supreme Council Library
CaOOA	Public Archives Library, Ottawa, Canada	DSI	Smithsonian Institution Library, Washington, D. C.
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DSI-AO	— Astrophysical Laboratory Library
CaOCCC	Carleton College, Ottawa, Canada	DSI-E	— Bureau of American Ethnology Library
CaOOF	Department of Finance Library, Ottawa, Canada	DSI-M	— National Museum Library
CaOOG	Geological Survey of Canada, Ottawa, Canada	DWB	U. S. Weather Bureau Library
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada	DeU	University of Delaware, Newark
CaOOH	Laboratory of Hygiene, Ottawa, Canada	FMU	University of Miami, Coral Gables, Fla.
CaOOM	Bureau of Mines Library, Ottawa, Canada	FTaSU	Florida State University, Tallahassee
CaOON	National Research Council, Ottawa, Canada	FU	University of Florida, Gainesville
CaOONDR	Library, Directorate of Scientific Information Service, Defence Research Board, Ottawa, Canada	GAT	Georgia Institute of Technology, Atlanta
CaOONM	National Museum, Ottawa, Canada	GEU	Emory University, Atlanta
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada	GU	University of Georgia, Athens
CaOOU	University of Ottawa, Ottawa, Canada	HU	University of Hawaii, Honolulu
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada	I	Illinois State Library, Springfield
		IArg	Argonne National Laboratory, Argonne, Ill.
		IC	Chicago Public Library
		ICA	Art Institute of Chicago, Chicago

ICAC	American College of Surgeons Library, Chicago	MMeT	Tufts University, Medford, Mass.
ICF	Chicago Natural History Museum, Chicago	MNS	Smith College, Northampton, Mass.
ICJ	John Crerar Library, Chicago	MshM	Mount Holyoke College, South Hadley, Mass.
ICN	Newberry Library, Chicago	MWalB	Brandeis University, Waltham, Mass.
ICRL	Center for Research Library, Chicago. Midwest Interlibrary Center	MWelC	Wellesley College, Wellesley, Mass.
ICU	University of Chicago, Chicago	MWhB	Marine Biological Laboratory, Woods Hole, Mass.
ICU-Y	Yerkes Observatory, Williams Bay, Wis.	MdAN	U. S. Naval Academy, Annapolis
ICarBS	Southern Illinois University, Carbondale	MdBJ	Johns Hopkins University, Baltimore
IEN	Northwestern University, Evanston, Ill.	MdBJ-W	— William H. Welch Medical Library
IEN-C	— Joseph Schaffner Library of Commerce, Chicago	MdBWA	Walters Art Gallery, Baltimore
IEN-M	— Medical School Library, Chicago	MdU	University of Maryland, College Park
IHI	Illinois State Historical Library, Springfield	MeB	Bowdoin College, Brunswick, Maine
IU	University of Illinois, Urbana	MeWC	Colby College, Waterville, Maine
IaAS	Iowa State University of Science and Technology, Ames	MiD	Detroit Public Library
IaU	State University of Iowa, Iowa City	MiDA	Detroit Institute of Arts
IaU-L	— College of Law Library	MiDW	Wayne State University, Detroit
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MiEM	Michigan State University, East Lansing
IdU	University of Idaho, Moscow	MiMidD	Dow Chemical Company, Midland, Mich.
In	Indiana State Library, Indianapolis	MiU	University of Michigan, Ann Arbor
InIA	Indiana Academy of Science Library, Indianapolis	MiU-C	— William L. Clements Library
InLP	Purdue University, Lafayette, Ind.	MiU-L	— Law Library
InND	University of Notre Dame, Notre Dame, Ind.	MnSJ	James Jerome Hill Reference Library, St. Paul
InU	Indiana University, Bloomington	MnU	University of Minnesota, Minneapolis
KAS	St. Benedict's College, Atchison, Kan.	MnU-A	— Department of Agriculture Library, St. Paul
KMK	Kansas State University, Manhattan	MnU-B	— Bio-Medical Library
KU	University of Kansas, Lawrence	MnU-L	— Law Library
KU-L	— School of Law Library	MoFC	Central College, Fayette, Mo.
KU-M	— Medical Center Library, Kansas City	MoKL	Linda Hall Library, Kansas City
KyU	University of Kentucky, Lexington	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MoS	St. Louis Public Library
LU	Louisiana State University, Baton Rouge	MoSB	Missouri Botanical Garden, St. Louis
MA	Amherst College, Amherst, Mass.	MoSU	St. Louis University, St. Louis
MB	Boston Public Library	MoSW	Washington University, St. Louis
MBA	American Academy of the Arts and Sciences, Boston	MoU	University of Missouri, Columbia
MBat	Boston Athenaeum, Boston	MsSM	Mississippi State University, State College
MBM	Boston Medical Library, Boston	MsU	University of Mississippi, Oxford
MBN	Boston Society of Natural History, Boston	MtBC	Montana State College, Bozeman
MBU	Boston University	MtU	Montana State University, Missoula
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	N	New York State Library, Albany
MCM	Massachusetts Institute of Technology, Cambridge, Mass.	NAurW	Wells College, Aurora, New York
MH	Harvard University, Cambridge, Mass.	NB	Brooklyn Public Library
MH-A	— Arnold Arboretum, Jamaica Plain	NBB	Brooklyn Museum Libraries, Brooklyn
MH-AH	— Andover-Harvard Theological Seminary Library	NBC	Brooklyn College, Brooklyn
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.	NBG	Brooklyn Botanic Garden, Brooklyn
MH-BL	— Biological Laboratories Library	NBM	Academy of Medicine of Brooklyn Library, Brooklyn
MH-C	— Chemistry Library	NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
MH-F	— Farlow Reference Library	NBuB	Buffalo Society of Natural Sciences, Buffalo
MH-FA	— Fogg Art Museum Library	NBuU	University of Buffalo, Buffalo
MH-G	— Gary Herbarium Library	NCH	Hamilton College, Clinton, N. Y.
MH-GM	— Gordon McKay Library	NCornic	Corning Glass Works Library, Corning, N. Y.
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)	NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
MH-L	— Law School Library	NIC	Cornell University, Ithaca, N. Y.
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston	NIC-A	— State Colleges of Agriculture and Home Economics
MH-Mi	— Mineralogical Library	NN	New York Public Library
MH-O	— Astronomical Observatory, the Phillips Library	NNA	American Geographical Society, New York
MH-P	— Peabody Museum Library	NNBG	New York Botanical Garden, Bronx Park, New York
MH-PR	— Physics Research Library	NNC	Columbia University, New York
MH-SD	— Graduate School of Design Library	NNC-L	— Law Library
MH-Z	— Museum of Comparative Zoology Library	NNC-M	— Medical Library
		NNC-T	— Teachers College Library
		NNCC	Chemists' Club, New York
		NNCoCi	College of the City of New York, New York
		NNCorM	Cornell University Medical College Library, New York
		NNE	Engineering Societies Library, New York
		NNF	Fordham University, New York

NNIS	Library for Intercultural Studies, New York	OkS	Oklahoma State University, Stillwater
NNJ	Jewish Theological Seminary of America, New York	OkU	University of Oklahoma, Norman
NNM	American Museum of Natural History, New York	OrCS	Oregon State University, Corvallis
NNMM	Metropolitan Museum of Art Library, New York	OrPR	Reed College, Portland, Ore.
NNNAM	New York Academy of Medicine, New York	OrU	University of Oregon, Eugene
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York	P	Pennsylvania State Library, Harrisburg
NNR	Russell Sage Foundation, College of the City of New York	PBL	Lehigh University, Bethlehem, Pa.
NNRI	Rockefeller Institute for Medical Research, New York	PBm	Bryn Mawr College, Bryn Mawr, Pa.
NNU	New York University Libraries, New York	PHC	Haverford College, Haverford, Pa.
NNU-H	— University Heights Library	PLF	Franklin and Marshall College, Lancaster, Pa.
NNU-W	— Washington Square Library	PP	Free Library of Philadelphia
NNUN	United Nations Library, New York	PPAN	Academy of Natural Sciences, Philadelphia
NPV	Vassar College, Poughkeepsie, N. Y.	PPAmP	American Philosophical Society, Philadelphia
NRE	Eastman Kodak Company, Rochester, N. Y.	PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
NRU	University of Rochester, Rochester, N. Y.	PPC	College of Physicians of Philadelphia
NSyU	Syracuse University, Syracuse, N. Y.	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NUPB	U. S. Brookhaven National Laboratory, Upton, N. Y.	PPF	Franklin Institute, Philadelphia
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.	PPPM	Philadelphia Museum of Art
NYHi	International Business Machines Corporation, Thomas J. Watson Research Center, Yorktown Heights, New York	PPT	Temple University, Philadelphia
NbU	University of Nebraska, Lincoln	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
NcD	Duke University, Durham, N. C.	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPI	Carnegie Library of Pittsburgh, Pittsburgh
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPiCI	Carnegie Institute of Technology, Pittsburgh
NcU	University of North Carolina, Chapel Hill	PPIU	University of Pittsburgh, Pittsburgh
NcU-H	— Division of Health Affairs. (North Carolina Memorial Hospital)	PRosC	Rosemont College, Rosemont, Pa.
NdU	University of North Dakota, Grand Forks	PSC	Swarthmore College, Swarthmore, Pa.
Nh	New Hampshire State Library, Concord	PSt	Pennsylvania State University, University Park
NhD	Dartmouth College, Hanover, N. H.	PU	University of Pennsylvania, Philadelphia
NjI	Irvington Free Public Library, Irvington, N. J.	PU-BZ	— Botany-Zoology Library
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill	PU-El	— Moore School of Electrical Engineering Library
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PU-FA	— School of Fine Arts Library
NjN	Newark Public Library, Newark, N. J.	PU-Math	— Mathematics-Physics Library
NjP	Princeton University, Princeton, N. J.	PU-Mu	— University Museum Library
NjPT	Princeton Theological Seminary, Princeton, N. J.	PU-Penn	— Penniman Library of Education
NjR	Rutgers University, New Brunswick, N. J.	PU-Se	— Towne Scientific School Library
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park	RPB	Brown University, Providence, R. I.
NvU	University of Nevada, Reno	RU	University of Rhode Island, Kingston
O	Ohio State Library, Columbus	TCU	University of Chattanooga, Chattanooga, Tenn.
OCH	Hebrew Union College, Cincinnati	TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
OCLloyd	Lloyd Library and Museum, Cincinnati	TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
OCU	University of Cincinnati, Cincinnati	TU	University of Tennessee, Knoxville
OCI	Cleveland Public Library	TxCM	Agricultural and Mechanical College of Texas, College Station
OCIBHS	Benedictine High School, Cleveland	TxDaM	Southern Methodist University, Dallas
OCICS	Case Institute of Technology, Cleveland	TxHR	Rice Institute, Houston
OCJJC	John Carroll University, Cleveland	TxLT	Texas Technological College, Lubbock
OCIM	Cleveland Medical Library	TxU	University of Texas, Austin
OCIMA	Cleveland Museum of Art	ULA	Utah State University of Agriculture and Applied Science, Logan
OCIW	Western Reserve University, Cleveland	UPB	Brigham Young University, Provo, Utah
OCob	Battelle Memorial Institute, Columbus	ViBibV	Virginia Polytechnic Institute, Blacksburg
ODW	Ohio Wesleyan University, Delaware, Ohio	VIU	University of Virginia, Charlottesville
OHl	Ohio State Historical Society, Columbus	VIU-L	— Law Library
OO	Oberlin College, Oberlin, Ohio	ViW	College of William and Mary, Williamsburg
OOxM	Miami University, Oxford, Ohio	VtMiM	Middlebury College, Middlebury, Vt.
OSte	Carnegie Library, Steubenville, Ohio	VtU	University of Vermont and State Agricultural College, Burlington
OU	Ohio State University, Columbus	WAP	Institute of Paper Chemistry, Appleton
OUCA	Chemical Abstracts, Ohio State University, Columbus	WHI	State Historical Society of Wisconsin, Madison
		WU	University of Wisconsin, Madison
		Wau	University of Washington, Seattle
		WvU	West Virginia University, Morgantown
		WyU	Wyoming University, Laramie



# MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 18, NO. 6

SEPTEMBER 1965

## TABLE OF CONTENTS

### Part A—Monographic Works

	Page
1. General.....	2149
2. Bibliography.....	2149
3. Philosophy & Religion.....	2149
4. History.....	2149
5. Social Sciences.....	2151
6. Political Science.....	2153
7. Law.....	2154
8. Education.....	2154
9. Music, Theater & Motion Pictures.....	2154
10. Fine Arts.....	2155
11. Language, Literature & Folklore.....	2155
12. Geography & Geology.....	2162
13. Science.....	2163
14. Medicine.....	2165
15. Agriculture.....	2166
16. Technology.....	2167
17. Military & Naval Sciences.....	2173

### Part B—Periodicals

1. General	
<i>a.</i> Scholarly journals.....	2174
<i>b.</i> Popular magazines.....	2175
2. Bibliography	
<i>a.</i> Bibliography.....	2176
<i>b.</i> Libraries & library science.....	2177
<i>c.</i> Printing & the book trade.....	2177
3. Philosophy & Religion	
<i>a.</i> Philosophy.....	2177
<i>b.</i> Religion.....	2178
4. History	
<i>a.</i> General.....	2178
<i>b.</i> Archaeology & antiquities.....	2180
5. Social Sciences	
<i>a.</i> Commerce.....	2180
<i>b.</i> Economics.....	2181
<i>c.</i> Finance.....	2182
<i>d.</i> Labor.....	2182
<i>e.</i> Sociology.....	2183
6. Political Science.....	2183
7. Law.....	2186
8. Education	
<i>a.</i> General.....	2187
<i>b.</i> Physical education & games.....	2190

9. Music, Theater & Motion Pictures	Page
<i>a.</i> Motion pictures.....	2190
<i>b.</i> Music.....	2191
<i>c.</i> Theater.....	2191
10. Fine Arts	
<i>a.</i> General.....	2192
<i>b.</i> Architecture.....	2193
11. Language, Literature & Folklore	
<i>a.</i> Language.....	2193
<i>b.</i> Literature & folklore.....	2194
12. Geography & Geology	
<i>a.</i> Ethnology.....	2196
<i>b.</i> Geography.....	2196
<i>c.</i> Geology & paleontology.....	2197
13. Science	
<i>a.</i> General.....	2200
<i>b.</i> Astronomy.....	2201
<i>c.</i> Biology.....	2201
<i>d.</i> Chemistry.....	2208
<i>e.</i> Mathematics.....	2216
<i>f.</i> Physics.....	2218
14. Medicine	
<i>a.</i> General.....	2222
<i>b.</i> Gynecology, obstetrics & pediatrics.....	2229
<i>c.</i> Neurology & psychiatry.....	2229
<i>d.</i> Ophthalmology & otorhinolaryngology.....	2230
<i>e.</i> Pathology & therapeutics.....	2230
<i>f.</i> Pharmacy & materia medica.....	2232
<i>g.</i> Public health & nursing.....	2232
<i>h.</i> Surgery & dentistry.....	2233
<i>i.</i> Venereology & dermatology.....	2233
15. Agriculture	
<i>a.</i> General.....	2234
<i>b.</i> Animal industry.....	2237
<i>c.</i> Forestry.....	2240
<i>d.</i> Plant culture.....	2240
16. Technology	
<i>a.</i> General.....	2241
<i>b.</i> Aeronautics.....	2245
<i>c.</i> Chemical technology.....	2246
<i>d.</i> Civil & construction engineering.....	2250
<i>e.</i> Electrical engineering.....	2253
<i>f.</i> Industries & trades.....	2258
<i>g.</i> Mechanical engineering.....	2260
<i>h.</i> Mining & metallurgy.....	2268
17. Military & Naval Sciences	
<i>a.</i> Military science.....	2274
<i>b.</i> Naval science.....	2274
Part C—List of Periodicals Indexed and Abbreviations Used.....	2277
Subject Index to Monographs and Periodicals.....	2284

**Periodicals Available in English Translation Cover-to-Cover.**



## PART A—MONOGRAPHIC WORKS

### 1. GENERAL

LYOV, UNIVERSYTET. [Collected works of the post-graduate students of the philological and historical faculties] Zbirnyk robót aspirantiv filologičeskogo ta istoričeskogo fakultetiv. [L'viv] Vyd-vo L'viv's'ko-ho univ., 1963. 120 p. tables. (CaOTU)

UMAROV, S. U. [Flourishing of science in Tajikistan] Rastsvet nauki v Tadzhikistane. Dushanbe, [Izd-vo Akad. nauk Tadzhikskoi SSR] 1960. 68 p. (MICROFILM)

### 2. BIBLIOGRAPHY

[CHRESTOMATY ON THE HISTORY OF RUSSIAN BOOKS, 1564-1917] Khrestomatia po istorii russkoi knigi, 1564-1917. Soat. L. A. Vozrova. Red. A. D. Ekhegovits. Moskva, Izd-vo "Kniga," 1965. 377 p.

IURKOVSKII, A. M. [Study shorthand] Izuchai stenografiu Moskva, Prosveshchenie, 1965. 93 p.

[LITERATURE ON THE KOMI A. S. S. R. FOR 1963] Literatura o Komi ASSR za 1963 god. Syktyvkar, Komi knizhnoe izd-vo, 1964. 173 p.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. [Countries of Europe, bibliography of recommended literature] Strany Evropy; rekomendatsii'nyi ukazatel' literatury. Moskva, Kniga, 1965. 1 v. (CS-II)

MOSCOW, PUBLICHNAIA BIBLIOTEKA. [Library and bibliographic classification; tables for scientific libraries] Bibliotечно-bibliograficheskaia klassifikatsiia; tablitsy dlia nauchnykh bibliotek. Moskva, Kniga, No. 14. [S Social sciences as a whole. T History. Historical sciences] C Obshchestvennoye nauki v tselom. T Istoriia, istoricheskoi nauki, Pt. 3. [T3(4/9) History of foreign countries] T3(4/9) Istoriia zarubezhnykh stran, 1965, 303 p.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. [Working with children in a rural library; a practical text] Rabota s det'mi v sel'skoi biblioteke; prakticheskoe posobie. Moskva, Kniga, 1965. 122 p.

POLIVANOVSKII, S. E., and F. KORNIUSHKO. [Soviet book trade; organization and techniques] Sovetskaya knizhnaya torgovlia, organizatsiia i tekhnika. Moskva, Kniga, 1964. 208 p. illus. (MC)

TAGEV, G. N. [Library practices in Azerbaijan] Azerbajehanda kitabkhannachilyg ishi; XII asarden 1920-ehi ile geder. Baky, Azerneshr, 1964. 121 p. [In Azerbaijani]

TOMSK, UNIVERSITET. Nauchnaia biblioteka. [Works of scientists in the publications of Tomsk University for the last 70 years, 1890-1958; systematic guide to the periodicals and collected works of the Tomsk State University] Trudy uchennykh v izdaniakh Tomskogo universiteta za 70 let, 1890-1958; sistematicheskii ukazatel' k periodicheskim izdaniim i sbornikam TGU. Tomsk, 1962. 291 p. (NNC)

VATKEVICIUS, BRONIUS. [Economics and planning in the book trade] Knugu prekybos ekonomika ir planavimas. Vilnius, Laidykla "Mintis," 1964. 163 p. [In Lithuanian]

### 3. PHILOSOPHY & RELIGION

ABRAMIAN, L. A. [Gnoseological problems of the theory of signs] Gnoseologicheskie problemy teorii znakov. Erevan, Izd-vo Armianskoi SSR, 1965. 253 p.

BAIKOVA, V. G., A. S. DUCHAL, and A. A. ZEMTSOV. [Leisure time and the all-round development of personality] Svobodnoe vremia i vsostoronnee razvitiie lichnosti. Moskva, Mysl', 1965. 270 p.

BILETSKII, E. E. [At the sources of Marxist philosophy, on F. Engels' book "Ludwig Feuerbach and the end of German classical philosophy"] U istokov marksist-skoi filosofii, o knige F. Engel'sa "Ludvig Fei'erbakh i konets klassicheskoi nemetskoi filosofii." [Moskva] Izd-vo Mosk. univ., 1965. 33 p.

CHERNOMOR, E. F. [Superstitions and fortune-telling] O suveritakh i gadanikakh. Minsk, Belarus', 1965. 30 p. (Biblioteka ateista)

[GODS DIE] Dievai mirsta. Vilnius, 1964. 193 p. [In Lithuanian]

GONCHARUK, S. I. [Unity of theory and practice] Edinsvo teorii i praktiki. Moskva, Izd-vo "Znanie," 1965. 46 p. (Novoe v zhizni, nauke, praktike, II Seria: Filosofii, no 11)

IL'YKH, N. I. [Under the mask of bigots, the reactionary activity of the sect of Mennonites] Pod maskoi sviatosi, o reaktivnoi deiatel'nosti sekty mennonitov. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 31 p. (MICROFILM)

KARPOVICS, ERNSTS. [Classical German philosophy] Klasiska vacu filosofija. Riga, Izdevnieciba "Liesma," 1965. 265 p. [In Latvian]

KOSTRIUK, TEOFIL'. [Selected works] Vybrant tvory. [Toronto, Dobra knyzhka]. (Dobra knyzhka, no. 149) Vol. I. [Sketches on the church history of the Ukraine in the 10th-13th centuries] Narysy z tserkovnoi istorii Ukrainy X-XIII stolittia. 2., dop. vyd. [1955] 1 v. (NN)

KUDRINA, V. M. [Court of conscience] Sud sovesti. Moskva, Politizdat, 1965. 54 p.

MALINOVSKII, T. L. [Man, God and science] Chelovek, bog i nauka. Kishinev, Kartia moldovenaske, 1964. 88 p.

MERZLOVA, G. K. [In search of salvation] V polskakh spaseniia. Minsk, Belarus', 1965. 68 p.

MOLODTSOV, V. S. [The origin of dialectical and historical materialism as a revolution in philosophy] Voznikovenie dialekticheskogo i istoricheskogo materializma - revoliutsiia v filosofii. [Moskva] Izd-vo Mosk. univ., 1965. 76 p.

OSIPAU, A. A., V. A. MOLAKAU, and A. M. KAMAROU. [Answers to believers' questions] Adkazy na pytani veruluchykh. Minsk, Belarus', 1965. 62 p.

PONIAZKII, V. N. [Brief course in logic; a textbook] Kratki kurs logiki; uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1965. 47 p.

SKRYPKA, M. A. [Beware of obscurantists] Sstrazhytsesia isemrashchalai Minsk, Belarus', 1964. 38 p. (Biblioteka ateista)

TARATUNSKII, F. S. [Does religion teach what is good?] Uchit li religia dobro? Minsk, Belarus', 1964. 80 p. (Biblioteka ateista)

TITOV, V. E. [Whitsunday] Troitsa. Moskva, Politizdat, 1965. 69 p. (Besedy s verulushchim)

TUGARINOV, V. P. [Personality and society] Lichnost' i obshchestvo. Moskva, Mysl', 1965. 191 p.

VDOVICHENKO, P. V. [What a believer is being taught in the sects] Chemu uchut verulushchego v sektakh. Minsk, Belarus', 1965. 42 p. (Biblioteka ateista)

### 4. HISTORY

ABDULIAEV, GASI. [Azerbaijan in the 18th century and her relations with Russia] Azerbaidzhan v XVIII veke i vzaimootnosheniia ego s Rossiei. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 620 p.

AGAIEV, KHALYM. [Relations between the Caspian Sea Turkmen and Russia in the 19th century (before their incorporation into Russia)] Vzaimootnosheniia prikaspiiskikh turkmen s Rossiei v XIX veke (do prisodineniia k Rossii). Ashkhabad, Turkmenskoe izd-vo, 1965. 102 p.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut istorii. [Archaeological studies in Azerbaijan] Arheologicheskie issledovaniia v Azerbaidzhane, sbornik statei. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 177 p.

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis, Iugo-Osetinskii nauchno-issledovatel'skii institut. [History of southern Ossetia in documents and materials, 1804-1900] Istoriia Iugo-Osetii v dokumentakh i materialakh, 1804-1900 gg. Soat I. N. Tskhovrebov. Tskhval, Gosizdat Iugo-Osetii, Vol. 3. 1961. 819 p. (MICROFILM)

ALEKSEEV, E. E. [Role of V. I. Lenin in the establishment and strengthening of the Soviet regime in Yakutia] Rol' V. I. Lenina v ustanovlenii i ukreplenii Sovetskoi vlasti v Iakutii. Otr. red. G. P. Basharin. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 157 p. (CS-II)

ALIEV, G. Z. [Turkey during the period of the First World War] Turkiye birinci dunja muharibesi dovruinde. Baky, Azerbajcan SSR Elmler Akademijasy Neshrijaty, 1965. 167 p. [In Azerbaijani]

AMINZADE, A. A. [The influence of the Great October Socialist Revolution on the development of democratic thought in Iran, 1917-1925] Bojok Oktjabr sotsialist ingilabyny Irania demokratik fikrin inkishafyna te'siri (1917-1925-ehi iller). Baky, Azerbajcan SSR Elmler Akademijasy Neshrijaty, 1964. 220 p. [In Azerbaijani]

ANDRIKANIS, E. N. [The owner of the "Devil's Nest"] Khoziai "Chertova gnezda." Izd. 2., dop. [Moskva] Mosk. rabochii, 1965. 230 p.

BAGIROV, IU. A. [From the history of Soviet-Turkish relations, 1920-1922] Iz istorii sovetsko-turetskikh otnoshenii v 1920-1922 gg.; po materialam Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 142 p.

BORZUNOV, V. F., and V. V. MAL'KOV. [Methodological instructions on the history of the U.S.S.R., for the students of correspondence courses preparing for the entrance examinations to the Moscow State University] Metodicheskie ukazaniia po istorii SSSR; dlia uchashchikhsia zaachnykh kursov po podgotovke k vstupitel'nyim ekzamenam v MGU. [Moskva] Izd-vo Mosk. univ., 1964. 141 p.

- BOVYKIN, V.I. [The Revolution of 1905-1907] *Revolyutsii 1905-1907 gg.* [Moskva] Izd-vo Mosk.univ., 1965. 93 p.
- BRODSKIĬ, E.A. [The living light] *Zhivye borislata* Moskva, Voenizdat, 1965. 239 p.
- BUDENNYI, S.M. [The road behind us] *Proidennyi put'*. Moskva, Voenizdat. Book 2. 1965. 389 p. (Voennye memuary)
- [BUG AFIRE] *Bug v ognе.* Minsk, Belarus', 1965. 526 p.
- BUNIA TOV, ZIA. [Azerbaijan from the 7th to the 9th century] *Azerbaidzhan v VII-IX vv.* Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1965. 379 p.
- BUROV, G.M. [Vychehda region; an outline of its ancient history] *Vychehgodskii kral, ocherki drevnei istorii.* Moskva, Nauka, 1965. 195 p.
- DMITRIEVSKIĬ, V.A., and I. T. SHISHOV. [The rails afire] *Rel'sy v ognе.* [Moskva] Moskovskii rabochii, 1965. 149 p.
- DROBIZHEVA, L.M. [Lenin and the utilization of the local experience in economic development] *Lenin i ispol'zovanie mestnogo opyta khoziaistvennogo stroitel'stva.* Moskva, Nauka, 1965. 134 p.
- DU BOIS, WILLIAM EDWARD BURGHARDT. [Africa; an essay on the history of the African Continent and its inhabitants. Translated from the English] *Afrika, ocherk po istorii afrikanskogo kontinenta i ego obitatelei.* Pod red. i so vstup. stat'ei I. I. Potekhina. Moskva, Izd-vo Inostr. lit-ry, 1961. 356 p. (MI)
- DZHURAEV, T.D. [Faithful sons of our country] *Vernye syny Rodiny.* Tashkent, Izd-vo Uzbekistan, 1964. 511 p.
- GERASIMOV, P.M. [Valiant army commander] *Dobestnyi komandarm.* Moskva, Politizdat, 1965. 78 p. (Gerol i podvigi)
- IANOVSKAIA, M.I. [Karl Liebknecht] *Karl Liebknecht.* [Moskva] Molodai gvardiia, 1965. 318 p. (Zhizn' zamchalel'nykh liudei. Seriya biografii, no. 8(403))
- INSTITUT UKRAINS'KOI KULTURY V AMERYTSI. [Ukraine in the dawn of history] *Ukraina na dosvitku istorii.* Detroit, 1962. 39 p. illus., plates. (Torem; problemy ukrains'koi kul'tury, no. 1) (CAOTU)
- IVANOV, IU.G. [In the years of the revolutionary underground; from the history of the activities of the social-democratic organization in Minsk, 1895-1914] *V gody revoliutsionnogo podpol'ia; iz istorii deiatel'nosti sotsial-demokraticeskikh organizatsii v Minske, 1895-1914 gg.* Kishinev, Kartia moldovenaske, 1963. 42 p. (MI)
- IVUSHKIN, N.B. [With complete responsibility] *Za vse v otvet.* Moskva, Voenizdat, 1965. 204 p. (Voennye memuary)
- JANIC, MARIAN. [Partisans are coming. Translated from the Polish] *Idut partizany.* Moskva, Voenizdat, 1965. 198 p.
- KASIMOV, S.S., M. MUKHARIAMOV, and M. SAIDAEVA. [Bakhtigari Said-Galiev, Kazan'] *Tatarskoe kniazstvo* Izd-vo, 1964. 85 p. (CS-H)
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Karel'skii oblastnoi komitet. *Partiinyi arkhiv. [In the terrible years; material on the heroic deeds of Karelian women in the years of the Great Patriotic War, 1941-1945] V groznye gody; sbornik materialov o geroiicheskikh podvigakh zhenshchin Kareli v gody Velikoi Otechestvennoi voyny, 1941-1945 gg.* Petrozavodsk, Karel'skoe kniazstvo Izd-vo, 1964. 187 p. (NIC)
- KOROLEV, L.A. [One of the "Party of the executed" (Gabriel Perli) *Odin iz "Partii rasstrel'nykh"* (Gabriel Perli). Moskva, Politizdat, 1965. 100 p.
- KRIVOSHEIN, S.M. [Between the storms; reminiscences] *Mezhdubur'e, vospominaniia.* Voronezh, Tsentral'no-Chernozemnoe knizhnoe Izd-vo, 1964. 277 p.
- KRUTIKOVA, N.I. [At the sharp turn] *Na krutom povorote.* Moskva, Politizdat, 1965. 125 p.
- KUCHIEV, V.D. [Soviets of Terek Province during the period of preparation for the Great October Socialist Revolution, March-October 1917] *Sovety Torskoi oblasti v period podgotovki Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii, mart-oktiabr' 1917 g.* Ordzhonikidze, Severo-Osetinskoe knizhnoe Izd-vo, 1964. 49 p. (CS-H)
- KURSKAIA, A.S. [Past experiences] *Perezhitoe.* [Moskva, Moskovskii rabochii, 1965. 258 p.
- KUZ'MIN, A.G. [Ryazan chronicle writing; information from the chronicles on Ryazan and Murov up to the mid-16th century] *Riazanskoe letopisanie; svedeniia letopisei o Riazani i Murove do sereдины XVI veka.* Moskva, Nauka, 1965. 263 p.
- LAZO, O.A. *Sergei Lazo.* Moskva, Izd-vo DOSAAF, 1965. 62 p.
- [LENIN AS A MASTER OF REVOLUTIONARY PROPAGANDA] *Lenin - master revoliutsionnoi propagandy.* Izd. 2., pererab. i dop. Moskva, Politizdat, 1965. 335 p.
- LENIN, V.I. [Complete collected works] *Polnoe sobranie sochinenii.* Izd. 5. Moskva, Politizdat, Vol. 55. [Letters to relatives, 1893-1922] *Pis'ma k rodnym 1893-1922.* 1965. 618 p.
- LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. *Istorijos institutas.* [Sources of the history of the Lithuanian S.S.R.] *Lietuvos TSR istorijos institutas.* Vilnius, Leidykla "Mintis." [In Lithuanian] Vol. 2. 1881-1917. Red. kolegija: E. Griskunaitė, V. Merkys, J. Zilgudza. 1965. 650 p.
- LINKOV, IA.L. [A.I. Hertz and N.P. Ogarev's revolutionary struggle and the secret society "Land and Liberty" in the 1860's] *Revoliutsionnaja bor'ba A. I. Gertsena i N. P. Ogareva i tajnoe obshchestvo "Zemlia i Volia" 1860-kh godov.* Moskva, Nauka, 1964. 474 p.
- MACHUL'SKII, R.N. [Eternal fire; partisan notes] *Vechnyi ogon'; partizanske zapiski.* Minsk, Belarus', 1965. 445 p.
- MAEVSKII, VL. [Prerevolutionary Russia and the U.S.S.R.] *Dorevoliutsionnaja Rossia i SSSR.* Madrid, 1965. 341 p.
- [MAN ON THE WAY; sketches and literary portraits] *Chelovk cel; apraksti un literari portreti.* Riga, Izdevnieciba "Liesma," 1965. 218 p. [In Latvian]
- MARKOV, A.S. [Using political cartoons in modern history classes; a teacher's manual] *Isolzovanie politicheskikh karikatur na urokhkh novoi istorii; posobie dlia uchitelei.* Moskva, Prosveshchenie, 1964. 95 p. (NNC)
- MERIN, B.M. [Free Cuba; teachers' manual] *Svobodnaja Kuba; posobie dlia uchitelei.* Moskva, Prosveshchenie, 1964. 126 p. (CS-H)
- MILLERS, V., and E. STUMBINA. [Fris's Rozins, 1870-1919; his life and work] *Fris's Rozins, 1870-1919; dzive un darbs.* Riga, Izdevnieciba "Liesma," 1965. 279 p. [In Latvian]
- MOLOCHKO, A.D. [Great victory of the Soviet people; materials for the reports for the 20th anniversary of the Soviet people in the Great Patriotic War, 1941-1945] *Velikaja pobeda sovetskogo naroda; materialy dlia dokladov k 20-letiiu pobedy sovetskogo naroda o Velikoi Otechestvennoi voine, 1941-1945 gg.* Minsk, Belarus', 1965. 37 p.
- MOROZOV, D.A. [There was no mention of them in the reports] *O nikh ne upominalos' v svodakh.* Moskva, Voenizdat, 1965. 211 p. (Voennye memuary)
- MOSCOW. TSENTRAL'NYI MUZEI V.I. LENINA, [Sarat' and "Shalash" in Razliv, guidebook] *"Sarat' i "Shalash" v Razlive; putevoditel'.* [Izd. 2., lapr. i dop. Leningrad] Leningrad, 1962. 50 p. illus. (Memorial'nye muzei V.I. Lenina) (MIU)
- MOTEL', IA.S. [Third shoulder; from the notebook of a journalist] *Tret'e plecho; iz bloknotu zhurnalista.* Riga, Latviskoe gos. Izd-vo, 1964. 106 p. (CS-H)
- MUSEVI, T.M. [Some Persian-language documents on the medieval history of Azerbaijan] *Osnovy Azerbaidzhana (arikhne dair faia dillinde jazyl'mysh senedler, Baky, Azerbaidzhan SSR Elmter Akademijasnyu Nashriyaty, 1965. 129 p. [In Azerbaijani]*
- NECHAEV, N.P. [On the field of Russian glory; a documentary tale about the heroes of the Battle of Moscow, 1941-1942] *Na pole russkoi slavy, dokumental'nata povest' o geroiakh bitvy za Moskvu, 1941-1942 gody.* Moskva, DOSAAF, 1965. 126 p.
- NERSISIAN, M.G. [Patriotic War of 1812 and the peoples of the Caucasus] *Otechestvennaja volna 1812 goda i narody Kavkaza.* Erevan, Izd-vo AN Armianskoi SSR, 1965. 415 p.
- OLEKAS, J. [Uncanny nights] *Neramios naktys.* Vilnius, VAGA, 1964. 238 p. [In Lithuanian]
- OREL (Province) *Upravlenie vnutrennikh del.* *Arkhivnyi otdel.* [Revolutionary movement in Orel Province during the first Russian Revolution, 1905-1907; documents and materials] *Revoliutsionnoe dvizhenie v Orlovskoi gubernii v period pervoi russkoi revoliutsii, 1905-1907 godov; sbornik dokumentov i materialov.* Orel, Orlovskaja pravda, 1957. 227 p. (NIC)
- OVSIANIN, PAVEL. [The end of Mussolini's regime] *Konets razhima Mussolini.* Moskva, Politizdat, 1965. 94 p.
- PRIEYL', KHRISTOFOR. [Special assignment; notes of a reconnaissance scout] *Osoboe zadanie; zapiski razvedchika.* Minsk, Belarus', 1965. 173 p.
- PRUSIKA, LEONAS. [Publicism] *Publitsistika.* Vilnius, Mintis, 1965. 334 p. [In Lithuanian]
- RADOMIRSKI, SLAVCHO. [Through fire and bullets; memoirs of a communist underground member. Translated from the Bulgarian] *Skriv' ogon' i puli; vospominaniia kommunisto-podpol'shchika.* Moskva, Politizdat, 1965. 127 p.
- ROGOZHIN, A.I. [All-Ukrainian Cheka in the period of foreign military intervention and the civil war; outline of lectures] *Vseukrainskaia ChK v period inostranoi voennoi intervencii i grazhdanskoi voyny; konspiki lektsii.* Khar'kov, Khar'kovskii litericheskii in-t, 1964. 68 p. (CS-H)
- RUBERTS, J. [Teachers and students of Latvia in the 1905-1907 Revolution] *Latvijas skolotaji un skolotajunais 1905-1907 gada revolucija.* Riga, Izdevnieciba "Zinatna," 1965. 133 p. [In Latvian]
- RUSSIA (1923- U.S.S.R.) *Glavnoe arkhivnoe upravlenie.* [Catalog of the literature on archival work and collections of documents, 1960-1963] *Katalog arkhivno-vedcheskoj literatury i sbornikov dokumentov (1960-1963 gg.).* Pod red. I.N. Firsova. Sobr. S.V. Neftedova, A.A. Khodak, L.I. Shekhanova. Moskva, 1964. 140 p.
- SEME NOV, S.N. [Bloody Sunday] *Krovavoe voskresen'e.* [Leningrad] Leningrad, 1966. 141 p.
- SHAUROV, I.V. [The year 1905; recollections of a participant in the revolution of 1905-1907] *1905 god; vospominaniia uchastnika revoliutsii 1905-1907 godov.* Moskva, Mysl', 1965. 281 p.
- SKRIABINA, ELENA. [During the siege (a mother's diary)] *V blokadu (dnevnik materi).* [L'ova City, L'ova] 1964. 103 p.

- SKRYPNIK, M. N. [Recollections of Lenin, 1917-1918] Vospominaniia ob I'liche (1917-1918). 3. izd, perer. i dop. Moskva, Politizdat, 1965. 70 p.
- SOTYKEVYCH, IAROSLAV. [Salute of the last hundred, on the 50th anniversary of the military activity of the Ukrainian "Sich" Rifleman] Salut ostannoi sotni, v 50-ti rokovyni zbroinnoi chyny Ukrain's'kykh sichovykh stril'tsiv. Toronto, Ont. [Kish Bratsva ukrain's'kykh sichovykh stril'tsiv u Kanadi] 1964. 64 p. (InU)
- STEIMANIS, J. [Tactics of the Latvian Communist Party in the struggle for the establishment of Soviet rule, 1920-1940] Latvijas Komunistiskas partijas takika cina par padomju varas atjaunošanu, 1920-1940. Riga, Izdevniecība "Liesma," 1965. 259 p. [In Latvian]
- VERKHOS', V. P., and A. L. GARELIK. [This happened in Skidei] Eto bylo v Skidei. Izd. 2. Minsk, Belarus', 1965. 70 p.
- VODOLAZSKII, A. F. [From the history of the struggle of Marx and Engels for collective party guidance] Iz istorii bor'by Marksa i Engel'sa za kollektivnost' partiiogo rukovodstva. Tashkent, Gos. izd-vo UzSSR, 1963. 85 p. (CST-H) (NIC)
- VOINA, V. A. [Harriet Tubman (1820-1913), conductor of the "Underground Railroad"] Konduktor "Tainoi zheleznoi dorogi" Harriet Tubman (1820-1913); stranstvo gerolicheskoi zhizni. Moskva, Mysl', 1965. 101 p.
- VOLGOGRAD, GOSUDARSTVENNYI MUZEI OBORONY TSARITSYNA-STALINGRADA. [The State Museum of the Defense of Tsaritsyn-Stalingrad] Gosudarstvennyi muzej oborony Tsaritsyna-Stalingrada. [Moskva, Voen.-izd-vo M-va oborony SSSR, 1960] 1 v. (chiefly illus.) [In Russian, English, French, and German]
- ZALESKII, N. N. [Contributions to the history of the Etruscan colonization of Italy from the 7th to the 4th B. C. Etruscans in Campania; Etruscans, Greeks and Carthage in the 5th and 4th century B. C.] K istorii etruskoi kolonizatsii Italii v VII-IV vv. do n. e., Etruski v Kampanii; etruski, greki i karfagen v I i IV vv. do n. e. [Leningrad] Izd-vo Leningr. univ., 1965. 121 p.
- ZEMTSOV, A. [Heroic deed of Fritz Schmenkel] Podvig Fritsa Shmenkela. Moskva, Pravda, 1965. 62 p.
- ## 5. SOCIAL SCIENCES
- ADLIVANKINA, R. IA., B. N. GLADTSINOV, and V. I. KACHEVSKII. [Power engineering in the U.S.A.] Energetika SShA. Moskva, Nauka, 1965. 255 p.
- AFANAS'EV, L. L. [Automotive transportation] Avtomobil'nye perovozki. Moskva, Transport, 1965. 350 p.
- AIZENBERG, E. [Methods of improving the work in transportation during the period of the large-scale building of communism, a textbook] Puti sovshenshtvovaniia raboty transporta v period razvernutoho stroitel'stva kommunizma; uchebnoe posobie. Sverdlovsk, Ural'skii gos. univ., 1964. 41 p. (MICROFILM)
- AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze, Institut ekonomiki. [Population and labor supply of the Kirgiz S.S.R.] Naselenie i trudovye resursy Kirgizskoi SSR. Frunze, Ilim, 1965. 112 p.
- ALEKSANDROV, A. M., and others, eds. [Dictionary-manual for the economist of an industrial enterprise] Slovar'-spravochnik ekonomista promyshlennogo predpriiatiia. Moskva, Politizdat, 1965. 365 p.
- ANDREEVA, G. M. [Modern bourgeois empirical sociology; critical essay] Sovremennaya burzhuannaia empiricheskaia sotsiologiya; kriticheski ocherk. Moskva, Mysl', 1965. 301 p.
- ASHIMBAEV, T. A., T. B. BAITULESHEV, and T. I. KOVALENKO. [Labor productivity of Kazakhstan's machine industry and the factors of its growth] Proizvoditel'nost' truda v mashinostroenie Kazakhstana i faktory ee rosta. Alma-Ata, Nauka, 1965. 209 p.
- BAKANOV, G. I., ed. [Industrial statistics] Statistika promyshlennosti. [By] G. I. Bakanov i dr. Moskva [Statistika] 1965. 356 p.
- BAKU, INSTITUT ISTORIИ PARTII. [Communism is our goal] Nasha tsel'—kommunizm. Baku, Azot-nestor, 1964. 214 p.
- BANCHIKOV, G. G. [Marriage and family among the Mongols] Brak i sem'ia u mongolov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 59 p.
- [BE ALERT, PUBLIC INSPECTOR] Zorkim bud', narodnyi kontroler! Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964. 76 p. (CST-H)
- BELAN, N. A. [Chernyakhovsk] Chernyakhovsk. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1964. 82 p.
- BELICHENKO, P. P. [Arithmetic of yields] Aritmetika urozhaiia. Moskva, Izd-vo "Znanie," 1965. 79 p. (Narodnyi universitet) Sel'skokhoziaistvennyi fakul'tet, no. 4)
- BIDII, A. I. [General and agricultural statistics] Obshchaya i sel'skokhoziaistvennaya statistika. Moskva, Kolos, 1965. 302 p. (Uchebnyi i uchebnye posobia dlia sel'skokhoziaistvennykh tekhnikumov)
- [BUDGET AND THE BUDGET COMMITTEES OF LOCAL SOVIETS] Budzhet i budzhetnye komitsety mestnykh Sovetov. Moskva, Finansy, 1965. 142 p.
- BUDRYS, DZIDAS. [Essays in political economy] Politines ekonomijos apybrauzos. Vilnius, Lelidykla "Mintis," 1964. 326 p. [In Lithuanian]
- BULOCHNIKOVA, L. A., and E. S. GORODETSKII. [Technological progress and the profitability of collective farm production] Tekhnicheskii progress i rentabel'nost' kollektivnogo proizvodstva. Moskva, Ekonomika, 1965. 214 p.
- BURKATSKAIA, G. E. [On the way to a sleep upsurge in the economy] Do puti krutogo pod'ema khoziaistva. Moskva, Kolos, 1964. 68 p.
- BURMISTROV, V. G., and others. [Collection of problems on the organization and technique of trade] Sbornik zadach po organizatsii i tekhnike torgovli. Moskva, Ekonomika, 1965. 174 p.
- BUSS, A., G. GERTNERS, and K. RAINESS. [Economic efficiency of capital assets] Raznosanas fondu ekonomiska efektyvitate. Riga, Izdevnieciba "Liesma," 1965. 56 p. [In Latvian]
- CHADAIEV, IA. E. [The economy of the U.S.S.R. during the Great Patriotic War, 1941-1945] Ekonomika SSSR v period Velikoi Otechestvennoi volny (1941-1945 gg.). Moskva, Mysl', 1965. 388 p.
- CHICHEROV, A. I. [Economic development of India before the British conquest; handicraft and trade in the 16th-18th centuries] Ekonomicheskoe razvitiie Indii pored arifitskimi zavoevaniiem; remeslo i torgovlia v XVI-XVIII vv. Moskva, Nauka, 1965. 280 p.
- [CREATIVE THOUGHT SUMMONS US FORWARD] Radosa doma aicina talak. Riga, Latvijas Valsts izdevnieciba, 1965. 43 p. [In Latvian]
- DANILAN, A. A. [Capital assets and their accounting in agricultural enterprises] Osnovnye sredstva i ikh uchet v sel'skokhoziaistvennykh predpriiatiakh. Moskva, Kolos, 1965. 174 p.
- [A DETACHMENT GOES DOWN THE STREET] Idet po ulitsae patrol'. [Perm'] Permskoe knizhnoe izd-vo, 1964. 77 p. (CST-H)
- DNEPROPETROVSK. UNIVERSITET. [Theses of the reports presented at the conference of professors and teachers of the Dnepropetrovsk State University; social and economic sciences] Tezisy dokladov k nauchno-issledovatel'skoi konferentsii professorskogo-prepodavatel'skogo sostava Dnepropetrovskogo gosudarstvennogo universiteta. Sotsial'no-ekonomicheskie nauki. Dnepropetrovsk, 1964. 103 p. (CST-H)
- DRUZHININ, N. K. [Seasonal fluctuations in retail trade and consumption] Sezonnost' v roznichnoi torgovle i potreblenii. Moskva, Gos. izd-vo torg. lit-ry, 1963. 141 p. (InU)
- DUDICH, Z. Z. [Economic laws and their use in the building of communism] Ekonomicheskie zakony i ikh ispol'zovanie v stroitel'stve kommunizma. Minsk, Nauka i tekhnika, 1965. 218 p.
- DZHAMANKARAEV, A. B. [Development of trade in Kirghizia at the close of the 19th and the beginning of the 20th century] Razvitiie torgovli v Kirgizii v kontse XIX-nachale XX vv. Frunze, Ilim, 1965. 130 p.
- DZHURINSKII, I. I., and V. I. ZAKHAROVA. [Specialization and cooperative societies in the light industry of the Moldavian S.S.R.] Voprosy spetsializatsii i kooperirovaniia v legkoi promyshlennosti Moldavskoi SSR. Kishinev, Shtiintsa, 1962. 26 p. (Seria "Proizvoditel'nost' truda i puti ee povysheniia v promyshlennosti") (MH)
- EZHOVA, V. P., V. I. LOPATOVA, and N. N. SLASTUKHIN. [Women of the Soviet Moldavia] Zheneshchiny Sovetskoi Moldavii. Saransk, Mordovskoe knizhnoe izd-vo, 1964. 172 p. (CST-II)
- FADDEEV, N. V. [Mutual Economic Assistance Council] Sovet ekonomicheskoi vzaimopomoshchi. Moscow, Ekonomika, 1964. 186 p. (CST-H) (CSTMR)
- [FINANCING AND ISSUING CREDIT FOR CAPITAL INVESTMENTS] Finansirovanie i kreditovanie kapital'nykh vlozhenii. [By] P. M. Pinchuk i dr. Minsk, Vysshiaia shkola, 1965. 111 p.
- GAABE, IU. E. [Collection of problems on the theory of statistics] Sbornik zadach po teorii statistiki. Moskva, [Statistika] 1965. 166 p. (DEC)
- GATAULIN, A. M. [Prime cost and aggregate labor input in the management of farm output] Sebestoimost' i sovokupnye zatraty truda v proizvodstve sel'skokhoziaistvennoi produktii. Moskva, Ekonomika, 1965. 187 p.
- [GENUINE PEOPLE; sketches about Communists] Nastoiashchie ljudi; ocherki o kommunistakh. [Iaroslavl'] Iaroslavskoe knizhnoe izd-vo, 1963. 86 p. (CST-II)
- GOLIKOV, P. N., and M. D. KIVOROSTIANNIKOV. [Brigades working on a business accounting basis in construction] Khozraschetnye brigady v stroitel'stve. Leningrad, Stroiizdat, 1965. 74 p.
- GRIGULEVICH, I. R. [The cultural revolution in Cuba] Kul'turnai revoliutsiia na Kube. Moskva, Nauka, 1965. 301 p.
- [HIGH VOLTAGE] Vysokoe napriazhenie. [Moskva] Profizdat, 1962. 310 p. (CST-H)
- IAKOVLEV, E. V. [I am going with you] IA idu s toboi. [Moskva] Molodaiia gvardiia, 1965. 159 p. (CST-II) (IU)
- IGITKHANIAN, M. KH., and N. V. NOVIKOV. [How does capital shape public opinion?—Kak kapital sozdaet obshchestvennoe mnenie? Moskva, Znanie, 1965. 31 p. (Novoe v zhizni), nauke, tekhnike. II Seria: Filosofii, no. 12)
- IVCHENKO, V. V. [Mathematical optimization principles in planning in the fishing industry] Matematicheskie osnovy optimizatsii planirovaniia v rybnoi promyshlennosti. Kaliningrad [Izd-vo gazety "Kaliningradskaiia pravda"] 1964. 57 p. (MICROFILM)
- IZUMOV, IU. P. [Growing America] Amerika podraslaishchala. [Moskva] Molodaiia gvardiia, 1964. 126 p.
- KANAPA, JEAN. [The social doctrine of the church and marxism. Translated from the French] Sotsial'naiia doktrina tserkvi i marksizm. Moskva, Progress, 1964. 414 p. (CST-H)



- KIM, F. P. [Dialectics of the development of contradictions in state monopoly capitalism] *Dialektika razvitiia protivorechii gosudarstvenno-monopolisticheskogo kapitalizma*. Moskva, Mysl', 1965. 101 p.
- KIRSANOV, A. V. [Financial corporations of the U.S.A.] *Finansovye korporatsii SShA*. Pod red. A. V. Anikina. Moskva, Finansy, 1965. 141 p.
- KOMAROV, V. E. [Building of communism and the occupational structure of production workers] *Stroitel'stvo kommunizma i professional'naya struktura rabotnikov proizvodstva*. Moskva, Ekonomika, 1965. 174 p.
- KOTIUSHINSKII, G. V. [Planning and accounting for labor in ferrous metallurgy enterprises] *Planirovaniye i uchet truda na predpriyatiyakh chernoi metallurgii*. [Moskva] Metallurgiya, 1965. 188 p.
- KOZLOVSKII, V. L. [The less each article costs - the richer is the country] *Deshevie kazhdoe izdeliye - bogache strana*. Minsk, Belarus', 1964. 57 p.
- KRASNOV, I. D. [Methods of raising the scientific level of capital construction planning; based on materials of the East Siberian Economic Region] *Puti povysheniya kapital'nogo stroitel'stva po materialam Vostochno-Sibirskogo ekonomicheskogo raiuna*. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1964. 149 p.
- KRAVCHENKO, R. G. [Economic mathematical models of problems in agriculture] *Ekonomiko-matematicheskie modeli zadach po sel'skomu khoziaistvu*. Moskva, Ekonomika, 1965. 310 p.
- KRUK, D. M. [Structure of an industrial enterprise and the ways to its improvement] *Struktura promyshlennogo predpriyatiia i puti ee sovershenstvovaniia*. Moskva, Ekonomika, 1965. 224 p.
- KUZIKOV, F. F., and V. N. CHEREPANOV. [The role of industry in the Urals in creating the material and technical basis of communism] *Ro li industrii Urala v sozdani material'no-tekhnicheskoi bazy kommunizma*. [Chelabinsk] Uzhno-Ural'skoe knizhnoe izd-vo, 1964. 217 p.
- LAPTEV, V. V., ed. [Regulation of the national economy; articles] *Voprosy regulirovaniia narodnogo khoziaistva*; sbornik statei. Moskva, Gos. izd-vo iurid. lit-ry, 1962. 188 p. (CS-H)
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. *Ekonomikas instituts*. [Concentration and specialization in the machinery industry of the Latvian S.S.R.] *Konsentrasiia i spetsializatsiia v mashinostroenii Latvijas SSR*. Riga, Izd-vo Akad. nauk Latvijas SSR, 1964. 75 p.
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. *Ekonomikas instituts*. [The lumbering and woodworking industry of the Baltic Economic Region; its condition and prospects for development] *Lesopil'no-derevoobrabatyvayushchaya promyshlennost' Pribaltiskogo ekonomicheskogo raiuna; sostoiianie i perspektivy razvitiia*. Riga, Izd-vo Akad. nauk Latvijas SSR, 1964. 95 p.
- LIETUVOS TSR MOKSLU AKADEMIJA. *Geografijos ir geografijos institutas*. [Transactions of the Conference on the Problems of the Distribution of Industry and the Development of Cities; Vilnius, August 20-23, 1963] *Trudy Konferentsii po voprosam razmesheniia promyshlennosti i razvitiia gorodov*, Vilnius, 20-23 avgusta 1962 g. Vilnius, 1963. 200 p. (NN)
- LISHANSKII, M. L., A. D. POGREBNIK, and S. V. TATINTSLAN. [Guaranteed wages and business accounting on a collective farm] *Garantirovannaya oplata i khozraschet v kolchoze*. Moskva, Kolos, 1965. 85 p.
- LIUBIMOV, V. N. [Socialist reorganization of Soviet Chuvashia] *Sotsialisticheskoe preobrazovanie Sovetskoi Chuvashii*. Chelobskary, Chuvashskoe gos. izd-vo, 1955. 229 p. (NU)
- LUKIANOV, A. N., and V. A. RODIONOV. [Party and state control in industry] *Partiino-gosudarstvennyi kontrol' v promyshlennosti*. Moskva, Mysl', 1965. 278 p.
- LVOV, UNIVERSITY. [Collection of papers by the postgraduate students of the social science departments] *Zbnyk robir aspirantiv kafedr spil'nykh nauk*. [Lviv] 1963. 259 p. (CAOTU)
- MAKHIMOV, A. A. [Some economic aspects of the intensification of production on collective farms of the Azerbaijan S.S.R.] *Nekotorye ekonomicheskie voprosy intensifikatsii zemledeliia v kolkhodzakh Azerbaidzhanskoi SSR*, 1965. 93 p.
- MALIUGIN, V. I. [Effectiveness of using precast lightweight concrete elements in construction] *Effektivnost' primeneniia v stroitel'stve sbornykh konstruktov iz legkikh betonov*. Moskva, Stroizdat, 1965. 54 p. (Voprosy ekonomiki stroitel'stva)
- MARTKOVICH, I. B., and V. R. SKRIPKO. [Apartment rent] *Kvartirnaia plata*. Moskva, Stroizdat, 1965. 74 p.
- MAZUROVA, I. A. S. [The Communist Youth League and workers' training in the system of White Russian labor resources] *Komsomol i podgotovka rabochikh v sisteme trudovykh rezervov BSSR*. Minsk, Belarus', 1964. 297 p.
- MOSCOW, AKADEMIYA OBSHCHESTVENNYKH NAUK. [Present-day capitalism and bourgeois sociology] *Sovremennyi kapitalizm i burzhuaiznaia sotsiologiya*. Moskva, Mysl', 1965. 355 p.
- MOSCOW, INSTITUT NARODNOGO KHOZIAISTVA. [Economic regions of the U.S.S.R.] *Ekonomicheskie raiony SSSR*. Moskva, Ekonomika, 1965. 589 p.
- MOSCOW, UNIVERSITET. *Geograficheskii fakul'tet*. *Kazakhstanskaya ekspeditsiia, 1958-1959*. [Economic geography of Eastern Kazakhstan] *Voprosy ekonomicheskoi geografii Vostochnogo Kazakhstana*; trudy. Pod obshch. red. A. I. A. Zaplavno, I. V. Nikol'skogo i A. T. Khrushcheva. Moskva, Vol. 1. 1961. i v. maps. (MH)
- MOSCOW, VYSSHAIA SHKOLA PROFESSIONAL'NOGO DVIZHENIYA. [State social insurance] *Gosudarstvennoe sotsial'noe strakhovanie*. Izd. 4., perer. [Moskva] Profizdat, 1965. 204 p.
- [NATIONAL ECONOMY OF THE KIRGHIZ S.S.R. in 1963; a statistical yearbook] *Narodnoe khoziaistvo Kirgizskoi SSR v 1963 godu*; statisticheskie ezhegodnik. Frunze, Statistika, 1964. 237 p.
- NATRADZE, A. G. [Chemistry and medicine; chemico-pharmaceutical industry of the U.S.S.R.] *Khimiia i meditsina; khimiko-farmatsevticheskaya promyshlennost' SSSR*. Moskva, Znanie, 1965. 45 p. (Narodnyi universitet: Fakul'tet zdorov'ia, no. 10)
- NAUCHNO-ISLEDOVATELSKII INSTITUT EKONOMIKI I ORGANIZATSII SEL'SKOKHOZIAISTVENNOGO PROIZVODSTVA. [Internal business accounting of the collective farms of Minsk Province] *Vnutrikhoziaistvennyi raschet v kolkhodzakh Minskoi oblasti*. Minsk, Urozhai, 1963. 88 p.
- NAZAROV, V. V., and Z. V. ALFEROVA. [Programming economic problems on electronic computers, from practices in using the "Era" computer in the I. A. Likhachev Automobile Plant] *Programmirovaniye ekonomicheskikh zadach na elektronno-vychislitel'nykh mashinakh; iz opyta ekspluatatsii mashiny "Era" na avtozavode im. I. A. Likhacheva*. Moskva, Mashinostroenie, 1965. 156 p.
- NEKRASOV, A. S., and I. V. SINIAK. [Economic aspects of power engineering for heating processes] *Ekonomika energetiki protsessov nagreva*. Moskva, Energiia, 1965. 134 p.
- NOVOSIBIRSK, INSTITUT INZHENEROV ZHELEZNO-DOROZHNOGO TRANSPORTA. [Integration] and the basis of imperialist contradictions; material approved by the Department of Economics as an aid to the students of correspondence, evening and day sections of the Novosibirsk Institute of Railroad Engineers] *Integratsiia* i oboznachenie protivorechii imperializma; material v pomoshch' studentam zaochnogo, vechernego i dnevnogo otdelenii NIIZhTa. Uтвержден кафедрой политической экономии. Novosibirsk, 1963. 25 p. (CS-H)
- OLIGIN-NESTEROV, V. I. [Efficiency of administrative work in industrial production] *Effektivnost' upravlencheskogo truda v promyshlennom proizvodstve*. Moskva, Ekonomika, 1965. 133 p.
- OMAROV, A. M. [Talks on the economics of an enterprise] *Besedy ob ekonomike predpriyatiia*. Moskva, Znanie, 1965. 157 p. (Narodnyi universitet: Tekhniko-ekonomicheskii fakul'tet, no. 2/3)
- OVEZOV, BALYSII. [Along the Lenin path] *Leninim ely bilen*. Ashgabat, Turkmenistan neshitinty, 1964. 222 p. [In Turkmen]
- [PEOPLE'S CONTROLLERS ON THE MOVE] *Liaudies kontrolieriai zygijo*. Vilnius, Lekykia "Mintis", 1965. 147 p. [In Lithuanian]
- PETRENKO, V. S. [Raising the cultural and technical level of collective farmers in the Ukraine (1953-1961)] *Zrostannia kul'turno-tekhnichnogo rivnia kolhospnogo seliansstva Ukrainy (1953-1961 rr.)*. Kyiv, Naukova dumka, 1964. 224 p. (VIU)
- PRUTOVYKH, P. N. [Economics of state-farm production; an economic outline] *Ekonomika sovkhosnogo proizvodstva, ekonomicheski ocherk*. Moskva, Ekonomika, 1964. 334 p.
- RAKHIMOV, R. K. [Capital assets and the economic efficiency of their use in the industry of Central Asia] *Osnovnye proizvodstvennye fondy i ekonomicheskaia effektivnost' ikh ispol'zovaniia v promyshlennosti Srednei Azii*. Pod red. A. E. Probat. Dushanbe, Izd-vo AN Tadzhikskoi SSR, 1965. 229 p.
- REICHOW, HANS BERNHARD. [Automobile traffic and city planning; ways to overcome the chaos in urban transportation. Translated from the German] *Avtomobil'noe dvizhenie i planirovka gorodov, puti preodolaniia khosa v gorodskom dvizhenii*. Moskva, Izd-vo lit-ry po stroitel'stvu, 1964. 79 p. (CAOTU)
- RIABOV, V. V. [Youth matures in work] *V trude muzhaiat iunos'*. Kulbyshev, Kulbyshevskoe knizhnoe izd-vo, 1964. 43 p. (CS-H)
- RIGA, PARTIJAS VESTURES INSTITUTS. [Today we forge the future] *Ritdienai kalnam sodien*. Riga, Izdevnieciba "Liesma", 1965. 141 p. [In Latvian]
- ROGOV, T. A. [Organization of control and auditing work in financial organs] *Organizatsiia kontrol'no-revizionnoi raboty v finansovykh organakh*. Moskva, Finansy, 1965. 79 p.
- RUSSIA (1917- R. S. F. S. R.) *Glavnoe upravleniye gazovogo khoziaistva*. [The wage and occupation classification manual for gas-supply industry workers in cities, villages, and populated localities] *Tarifno-kvalifikatsionnyi spavochnik rabot i professii rabochikh gazovogo khoziaistva gorodov, poselkov i naselennykh punktov*. Moskva, Stroizdat, 1965. 25 p.
- RUSSIA (1923- U. S. S. R.) *Glavnoe upravleniye vychislitel'nykh rabot*. [Annotated bibliography of the literature on machine accounting and computing work for 1954-1963] *Bibliograficheski annotirovannyi ukazatel' literatury po mekhanizatsii ucheta i vychislitel'nykh rabot (za 1954-1963 gg.)*. Moskva, Statistika, 1965. 271 p.
- [SEA GULLS OVER THE VLTAVA RIVER] *Chajki nad Vitavoi*. Moskva, Izvestia, 1965. 117 p. (Biblioteka "Izvestii")
- SELEZNEV, S. I. [Accounting in industry] *Bukhgalterskii uchet v promyshlennosti*. 3. perer. izd. Moskva, Statistika, 1965. 206 p.
- SENNIKOV, A. A. [Trade-union organization in a government establishment] *Profsojuznaia organizatsiia gosudarstvennogo uchrezhdeniia*. [Moskva] Profizdat, 1965. 61 p.
- SEROSHATAN, N. A., and F. A. SUTANOVSKII. [Socialist labor and its productivity] *Sotsialisticheski trud i ego proizvoditel'nost'*. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 170 p.

- SHOIGU, K.S., and A.F. EMEL'YANOV. [The new in life and the new in man] Novoe v zhizni - novoe v cheloveke. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1964, 116 p. (CSI-II)
- SHTRANGE, M.M. [The democratic intelligentsia in Russia in the 18th century] Demokraticheskaya intelligentsia Rossii v XVIII veke. Moskva, Nauka, 1965, 304 p.
- SHUTCHUK, B.O. [Discussions on the economics of construction] Besedy po ekonomike stroitel'stva. Moskva, Politizdat, 1965, 223 p.
- SHUL'HA, I.H. [Socioeconomic condition of Transcarpathia in the second part of the 18th century] Sotsial'no-ekonomicheskie stanovysheche Zakharpatia v drugii polovinu XVIII st. Uzhhorod, Universitet, 1962, 180 p. (NN)
- SMIRNOVA, V.N. [Women of Tataria in the struggle for the Soviet government] Zhenshchiny Tatarii v bor'be za vlast' Sovetov. [Kazan'] Izd-vo Kazanskogo univ., 1963, 123 p. (CSI-II)
- SNESAREVSKII, A.P. [Experience in the reorganization of accounting work in mines] Opyt perestroiki bukhal'terskoi raboty na shakhtakh. Moskva, Nedra, 1964, 130 p.
- SOKOLOV, I.A. [Interfarm production associations] Mezhhkhoznyye proizvodstvennye svyazi. Moskva, Izd-vo "Znanie," 1965, 84 p. (Nauchnyi universitet kultury; Sel'skokhoziaistvennyi fakul'tet, no. 3)
- [SOVIET CHARACTER, sketches] Sovetskii kharakter, ocherki. [Donetsk] Donetskoe knizhnoe izd-vo, 1963, 142 p. (CSI-II)
- SUVOROV, K.I. [The Soviet people's great achievement in the field of labor; on the elimination of unemployment in the U.S.S.R.] Velikoe zavoevanie sovetskogo naroda v oblasti truda; o likvidatsii bezrabotitsy v SSSR. Moskva, Znanie, 1965, 31 p. (Novoe v zhizni, nauka, tekhnika. I Seriya. Istorii, no. 11)
- [TALK OF FIRST LOVE] Povest' o pervoi ljubvi. Moskva, Izd-vo "Pravda," 1965, 71 p. (Biblioteka "Komsomol'skoi pravdy," no. 6)
- TALYBZADE, I.A. [The agrarian reform of 1912 in Azerbaijan] Azerbajdzhanda 1912-ci il agrar islahaty. Bakı, Azerbajdjan SSR Elmiler Akademiyası Nəşriyyatı, 1965, 109 p. [In Azerbaijan]
- [TIMETABLE OF SUBURBAN TRAINS. Moscow - Borodino on the Moscow Railroad, Summer 1965] Raspisanie dvizheniya prigorodnykh poezdov. Moskva - Borodino Moskovskoi zh.d.; leto 1965 g. Moskva, Transport, 1965, 71 p.
- [TIMETABLE OF SUBURBAN TRAINS. Moscow - Kashira - Ozhorel'ye on the Moscow Railroad, Summer 1965] Raspisanie dvizheniya prigorodnykh poezdov. Moskva - Kashira - Ozhorel'ye Moskovskoi zh.d.; na leto 1965 g. Moskva, Transport, 1965, 54 p.
- [TIMETABLE OF SUBURBAN TRAINS. Moscow - Ramenskoye - Golitsyn; Moscow - Kurovskaya - Cheruski on the Moscow Railroad, Summer 1965] Raspisanie dvizheniya prigorodnykh poezdov. Moskva - Ramenskoye - Golitsyn, Moskva - Kurovskaya - Cheruski, Moskovskoi zh.d. Na leto 1965 g. Moskva, Transport, 1965, 95 p.
- TSAI, M.A. [Labor supply in Tajikistan during the period of the large-scale building of communism] Trudovye resursy Tadzhikistana v period razvernutoyo stroitel'stva kommunizma. Dushanbe, Tadzhikskii gos. univ., 1964, 75 p. (CSI-II)
- URINSON, G.S. [Economics of natural gas production] Ekonomika dobychi prirodnogo gaza. Moskva, Nedra, 1965, 156 p.
- VEISMAN, A. [New forms of wages under the conditions of present-day capitalism] Novyye formy zarabotnoy platy v usloviyakh sovremennogo kapitalizma. Moskva, Vysshaya shkola, 1965, 101 p. (Studentu, izuchayushchemu politekonomiyu)
- VINNICHENKO, V.M., and S.V. NIKOLAEV. [Economics, organization, and planning of geological prospecting, technical economic calculations] Ekonomika, organizatsiya i planirovaniye geologorazvedochnykh rabot, tekhniko-ekonomicheskie raschety. Moskva, Nedra, 1965, 223 p.
- [YEARBOOK ON THE AGRARIAN HISTORY OF EASTERN EUROPE FOR 1962] Ezhegodnik po agrarnoi istorii Vostochnoi Evropy 1962 g. Minsk, Nauka i tekhnika, 1964, 574 p.
- [YOUTH DISCUSSES LIFE] Jaunyste apmasto gyvenima. Vilnius, Leidykla "Mintis," 1965, 136 p. [In Lithuanian]
- ZAIATS, L.D., and A.N. SHIBAEVA. [A daughter grows up in the family] V sem'e raste doch'. Moskva, Meditsina, 1964, 44 p. (Nauchno-popul'naya meditsinskaya literatura)
- ZAPALKEVICH, I.F. [Industrial hygiene of industrial painting with synthetic paints and lacquers] Gigiena truda pri obrabotke izdelii sinteticheskimi lakokrassochnymi materialami. Moskva, Meditsina, 1965, 25 p. (Nauchno-popul'naya meditsinskaya literatura)
- ZEMEL'KIN, I.P., and V.M. KARPUSICHENKO. [In the front line of the struggle for communist labor, from the first communist Saturday workers to the brigades, shifts and workshops of communist labor at the Kirov Works] Na perednom krae bor'by za kommunisticheskii trud, ot porvykh kommunisticheskikh subbotnikov do brigad, smen, tsukhov kommunisticheskogo truda na Kirovskom zavode. Leningrad, Ob-vo "Znanie" RSFSR, 1964, 55 p.

## 6. POLITICAL SCIENCE

- ALBRECHT, ERHARD. [Anticommunism, the ideology of clerical militarism. Translated from the German] Antikommunizm - ideologiya kl'erikal'nogo militarizma. Vstup. stat'ia A.M. Kovaleva. Red. A.A. Makarov. Moskva, Izd-vo Inostr. Lit-ry, 1963, 129 p. (NeD)
- ALEKSEEV, V.R. [The shadow of the Iron Heel; the danger of fascism in Western Europe] Ten' Zheleznoi plasty; o fashistskoi opasnosti v Zapadnoi Evrope. Moskva, Politizdat, 1964, 44 p. (MH)
- ARMENIAN S.S.R. Verkhovnyi Sovet. [Armenian S.S.R., administrative and territorial division to March 1, 1964] Armianskaya SSR; administrativno-territorial'noe delenie na 1-oe marta 1964 goda. Erevan, Gos. izd-vo Armenii, 1965, 225 p. (DBC)
- BIRGMANAS, VIKTORAS. [I saw the sunrise] Mačiau saulelę. Vilnius, Vaga, 1964, 244 p. [In Lithuanian]
- BOLOTNIK, I.A. [Serve communism by word and by deed] Delom i slovom kommunizmu sluzhit'. Dushanbe, Tadzhikgosizdat, 1963, 61 p. (CSI-II)
- DOLZHENKO, A.G. [Rural soviet with community participation] Sel'sovet na obshchestvennykh nachalakh. Voronezh, Voronezhskoe knizhnoe izd-vo, 1963, 51 p. (CSI-II)
- ESTONIAN S.S.R. Ulemnouko. [Sixth Supreme Soviet of the Estonian S.S.R., 11th session, December 23-24, 1964. Verbatim report] Plataia sessiya Verkhovnogo Soveta Estonskoi SSR shestogo sozyva, 23-24 dekabrja 1964 goda. Stenograficheskiy otchet. Tallinn, Eesti Raamat, 1965, 165 p.
- FILIUSHKINA, E., and V. VOROB'EV. [People are joining their own soviets] Ludai idut v svoj Sovet. Riga, Liesma, 1965, 97 p.
- KARKLINA, A., Z. EIDUSS, and A. HENINS. [Six magnificent words] Seši dzīvie vārdi. Riga, Izdevniecība "Liesma," 1965, 156 p. [In Latvian]
- KIM, G.F. [V.I. Lenin and the national liberation movement] V.I. Lenina i natsional'no-osvoboditel'noye dvizhenie. Moskva, Znanie, 1965, 46 p. (Novoe v zhizni, nauka, tekhnika. I Seriya. Istorii, no. 12)
- KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOIUZA. [Statute; approved by the 22d Congress of the CPSU.] Ustav. Uveržen XXII s'ezdom KPSS. [Moskva, Gospolitizdat, 1961] 127 p. (CLU)
- KUCINSKAS, D. [In a cell for prisoners condemned to death] Mirtininku vienuete. Vilnius, Vaga, 1964, 261 p. [In Lithuanian]
- LENIN, V.I. [V.I. Lenin against dogmatism, sectarianism, and left-wing opportunism] V.I. Lenin protiv dogmatizma, sektantstva, levogo oportunizma. Moskva, Politizdat, 1964, 426 p. (MH)
- MODRZHINSKAYA, E.D. [Disintegration of the colonial system and the ideology of imperialism] Raspad kolonial'noi sistemy i ideologiya imperializma. Moskva, Nauka, 1965, 341 p.
- MOSCOW. AKADEMIYA OBSHCHESTVENNYKH NAUK. [V.I. Lenin and the development of the party during the first years of the Soviet regime] V.I. Lenin i stroitel'stvo partii v pervyye gody Sovetskoi vlasti. Moskva, Mysl', 1965, 243 p.
- MOSCOW. PUBLICNAIA BIBLIOTEKA. [Fundamentals of scientific communism; index of recommended literature] Osnovy nauchnogo kommunizma; rekomendatsionnyi ukazatel' literatury. Moskva, Kniga, 1965, 93 p.
- MOSHININ, I.D. [The pedagogical element in party work] Element pedagogiki v partinoy rabote. Moskva, Politizdat, 1965, 78 p. (Voprosy partinogo stroitel'stva)
- MORACHKOVSKAYA, I.M. [Contents of the second volume of V.I. Lenin's work "What are the 'Friends of the people' and how do they fight against the Social Democrats?"] O soderzhanii vtorogo vypuska raboty V.I. Lenina "Chto takoe "druz'ia naroda" i kak oni voluit protiv sotsial-demokratov?" Moskva, Mysl', 1965, 63 p.
- NECHITAIO, G.V. [Activities of rural district soviets of workers' deputies in the field of public education, culture and public health] Delatel'nost' sel'skikh raionnykh sovetov deputatov trudiaschikhia v oblasti narodnogo obrazovaniya, kul'tury i zdoravookhraneniya. Alma-Ata, Nauka, 1964, 101 p. (CSI-II)
- OVCHINNIKOV, N.E. [Force of the living word] Sila zhi-vogo slova. Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964, 46 p. (CSI-II)
- OVCHINNIKOV, S.N. [And in our yard, ...] A u nas vo dvore, ... I Aroslavi' Verkhne-Volzhskoe knizhnoe izd-vo, 1964, 37 p. (CSI-II)
- PULATOV, KH.P. [An important stage in the development of the Soviet socialist state] Sovet sotsialistik davlati tarakkileida mukhim boskich. Toshkent, Uzbekiston KP Markazii Komitetining birlashgan nashrieti, 1964, 31 p. (Uzbekiston SSR "Bilim" zhamiati, no. 22) [In Uzbek]
- RIGA. PARTIJAS VESTURES INSTITUTS. [Bibliography of the history of the Latvian Communist Party, 1893-1919] Latvijas Komunistiskas partijas vestures bibliografija, 1893-1919. Riga, Latvijas Valsts izdevnieciba, 1964, 600 p. [In Latvian and Russian]
- [RURAL PARTY COMMITTEE IN ACTION] Sel'skii partkom deistvuet. Saransk, Mordovskoe knizhnoe izd-vo, 1964, 118 p. (CSI-II)
- [SOLDIERS OF THE PARTY] Soldaty partii. Kazan', Tatarskoe knizhnoe izd-vo, 1964, 105 p. (CSI-II)
- [VISUAL PROPAGANDA] Vaizdine agitacija. Nagliadnaja agitatsija. Vilnius, Leidykla "Mintis," 1965, 14 p. (chiefly illus.) [In Lithuanian and Russian]

VSESOIUZNYI LENINSKII KOMMUNISTICHESKII SOIUZ MOLODEZHI. [Statute of the Communist Youth League, approved by the 14th Congress of the Communist Youth League] Ustav Vsesoiuznogo Leninskogo Kommunisticheskogo Soiuza Molodezhi, prinat XIV s'ezdom VLKSM. [Moskva] Molodala gvardia, 1964. 31 p. (MNC)

WHITE RUSSIA. Verkhovnyi Sovet. [Sixth Supreme Soviet of the White Russian S.S.R. third session, June 10-11, 1964. Verbatim report] Tret'siala sessia Vlar-khounaha Saveta Belaruskai SSR shostaha sklikannia, 10-11 chervenia 1964 goda. Stenagrafichnaia spravazdacha. Minsk, Belarus', 1964. 530 p

WHITE RUSSIA. Verkhovnyi Sovet. [Sixth Supreme Soviet of the White Russian S.S.R., fourth session, December 22-23, 1964. Verbatim report] Chetvert'siala sessia Vlar-khounaha Saveta Belaruskai SSR shostaha sklikannia, 22-23 snezhnia 1964 goda. Stenagrafichnaia spravazdacha. Minsk, Belarus', 1965. 195 p.

## 7. LAW

AZERBAIJAN. Constitution. [Constitution (fundamental law) of the Azerbaijan Soviet Socialist Republic. As amended and supplemented by the Sixth Supreme Soviet of the Azerbaijan S.S.R., first, second, fourth and fifth sessions] Konstitutsiia (osnovnyi zakon) Azerbaidzhanskoi Sovetskoi Sotsialisticheskoi Respubliki, S izmeneniami i dopolneniami, prinatyimi na I, II, IV i V sessiakh Verkhovnogo Soveta Azerbaidzhanskoi SSR shestogo sozyva. Baku, Azerbaidzhanskoe gos. izd-vo, 1965. 30 p.

BORODANOV, N. M. [The law on the use of land by state farms] Pravo zemlepol'zovaniia sovkhozov. Izd. 3. Moskva, Vsesos. zaochnye uchebnye kursy, 1964. 29 p. (MICROFILM)

CHIGIR, V. F. [Rights of a tenant's family members to living space] Prava chlenov sem'i nanimatelia na zhilulu ploshchad'. Moskva, Iuridicheskaya literatura, 1964. 46 p. (Iuridicheskie konsultatsii dlia naseleniia v voprosakh i otvetakh)

[ENCYCLOPEDIA DICTIONARY OF LEGAL KNOWLEDGE, Soviet law] Entsiklopedicheski slovar' pravovykh znani, Sovetskoe pravo. Red. kollegiia: S. N. Bral'skiy i dr. Moskva, Sovetskaya Entsiklopedia, 1965. 512 p.

FARBER, I. E. [The essence of law; a textbook] O sushchnosti prava; uchebnoe posobie. [Saratov] Izd-vo Saratovskogo univ., 1959. 75 p. (MICROFILM)

FEL'DMAN, D. I. [Recognition of states in contemporary international law] Priznanie gosudarstv v sovremennom mezhduнародном prave. [Kazan'] Izd-vo Kazanskogo univ., 1965. 287 p.

IARKHO, A. V. [Overtime work; work on days off and holidays] Sverkhurochnye raboty; rabota v vykhodnye i prazdnichnye dni. Moskva, Iuridicheskaya literatura, 1965. 70 p.

LEVSIEIEV, I. F., ed. [Fundamentals of Soviet law] Osnovy radians'kogo prava. [By] F. H. Burchak ta inshi. Kyiv, Derzh. vyd-vo sil'skokhospodars'koi lit-ry URSR, 1963. 423 p.

UDELSOHN, K. S., ed. [Soviet civil procedure law] Sovetskoe grazhdanskoe professsual'noe pravo. Moskva, Iuridicheskaya literatura, 1965. 470 p.

KHALAFOV, M. S. [Measures taken by the Soviet government in Azerbaijan in the field of labor law, 1917-1918] Meropriiatiia Sovetskoi vlasti v Azerbaidzhane v oblasti trudovogo prava (1917-1918 gg.) Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 82 p.

[LEGAL PROBLEMS OF AN INDUSTRIAL ENTERPRISE. Pravovye voprosy promyshlennogo predpriatiia. Rostov-na-Donu, Izd-vo Rostovskogo univ., 1961. 130 p. [Title page wanting] (MICROFILM)

MANAEV, K. I. [Rights and duties of parents under Soviet law] Sovet dovolitnde validejnerin hygug va vezifeler. Baky, Azerbaidzhan universiteti neshriyat, 1961. 74 p. [In Azerbaijani] (MICROFILM)

MAZALOV, A. G., and others, comps. [Collection of the decisions of the Plenum and rulings of the Collegia of the Supreme Court of the U.S.S.R. in criminal procedure, 1946-1962] Sbornik postanovlenii Plenuma i opredelenii kollegii Verkhovnogo Suda SSSR po voprosam ugolovnoho protsesssa 1946-1962 gg. Moscow, Iuridicheskaya literatura, 1964. 333 p. (CStmoR)

MODZHORIAN, L. A. [Fundamental rights and duties of states] Osnovnye prava i obiazannosti gosudarstv. Moskva, Iuridicheskaya literatura, 1965. 226 p.

ORLOVSKII, I. U. P. [Labor rights of young workers] Trudovye prava molodykh rabochikh. Moskva, Iuridicheskaya literatura, 1965. 108 p.

SEREBOVSKII, V. I., and V. P. MOZOLIN, comps. [Author's right to discovery, invention and efficiency suggestions] Avtorskoe pravo na otkrytie, izobretenie i ratsionalizatorskoe predlozhenie. Moskva, Tsentral'noye tekhn. informatsii, 1961. 88 p. (V pomoshch' rabotnikam po izobretenii i ratsionalizatsii) (DP)

SHAPKO, V. M. [V. I. Lenin, founder of socialist legality] V. I. Lenin - sozdatel' sotsialisticheskoi zakonosti. Moskva, Politizdat, 1965. 141 p.

[SOVIET YEARBOOK OF INTERNATIONAL LAW, 1963] Sovetskii ezhegodnik mezhduнародnogo prava, 1963. Moskva, Nauka, 1965. 623 p.

STARODUBSKII, B. A. [Constitutional law of bourgeois countries; a textbook] Gosudarstvennoe pravo burzhuznykh stran, uchebnoe posobie. Sverdlovsk, Sverdlovskii univ., in-1.

Pt. 2. [Fundamentals of the constitutional law of individual bourgeois countries] Osnovy gosudarstvennogo prava otdel'nykh burzhuznykh stran. 1960. 471 p. (MICROFILM)

UKRAINE. Constitution. [Constitution (fundamental law) of the Ukrainian S.S.R. With amendments and supplements passed at the fourth session of the Sixth Supreme Soviet of the Ukrainian S.S.R.] Konstitutsiia (osnovnyi zakon) Ukrainy 'koi Radians'koi Sotsialisticheskoi Respubliki. Iz zminyamy i dopovneniamy, pryniatyamy na chetvertii sessii Verkhovnoi Rady Ukrainy 'koi RSR shostoho sklykannia. Kyiv, Politytyday Ukrainy, 1965. 29 p.

VOL'FMAN, G. I. [Struggle against speculation under Soviet law] Bor'ba so spekulatsiei po sovetskomy zakonodatel'stvu. [Saratov] Izd-vo Saratovskogo univ., 1964. 132 p.

VOROZHEIKIN, E. M. [Marriage and family] Brak i sem'ia. Moskva, Izd-vo "Znanie," 1965. 78 p. (Narodnyi universitet: Fakul'tet pravovykh znani, no. 5)

WHITE RUSSIA. Laws, statutes, etc. [Civil Procedure Code of the White Russian S.S.R.] Hramadzianski pratsessual'ny kodeks Belaruskai SSR, Grazhdanski pratsessual'nyi kodeks Belorusskoi SSR. Minsk, Belarus', 1965. 355 p.

## 8. EDUCATION

AKIMOV, A. KH. [International education of workers] Internatsional'noe vospitanie trudnashchikh. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1963. 78 p. (CSt-H)

AKSEI'ROD, S. L., and L. S. KHOMENKOV. [Track athletics in facts and figures] Legkaia atletika v tsifrah i faktakh. Moskva, Fizkul'tura i sport, 1965. 293 p.

BONDAR, A. D., ed. [Work of the boarding schools of the Ukrainian S.S.R.] Z dosvidu raboty shkil-internativ Ukrainy 'koi RSR. Kyiv, Radians'ka shkola, 1963. 166 p. (NN)

FEDERATION OF UKRAINIAN STUDENT ORGANIZATIONS OF AMERICA (SUSTA). [Ukrainian students in America, commemorative book of the Federation of Ukrainian Student Organizations of America (SUSTA) on the occasion of its tenth anniversary] Ukrainy 'ke studentstvo v Amerytsii; Propan'iatna knyha SUSTA z nakhody desiatylytn'oi diial'nosti. Baltimore, 1963. 166 p. illus. facsimis. (NSyU)

GORODETSKII, V. B. [Moves in the midgame] Bor'ba v sereдинe partii. Moskva, Fizkul'tura i sport, 1965. 70 p. (Biblioteka nachinalushchego shahmatla)

KOTOV, A. A. [Selected games] Izbrannye partii. Moskva, Fizkul'tura i sport, [1961] 206 p., (diagrama) (OCI)

KOTOV, L. I., ed. [Educating the new man is a practical task of our days; article] Vospitanie novogo cheloveka - prakticheskai zadacha nashikh dnei; sbornik statei. Izhevsk, Izd-vo "Udmurtita," 1964. 86 p. (CSt-H) (OCI)

LATVIAN S.S.R. Statistika parvalde. [Higher and secondary specialized education in the Latvian S.S.R.; a statistical abstract] Augstaka un videja specliala izglitiba Latvijas PSR; statistiko diti krajuma. Vyshee i srednee spetsial'noe obrazovanie v Latvinskoi SSR; statisticheski sbornik. Riga, Latvijas valsts izdevnieciba, 1964. 140 p. [In Latvian and Russian]

LATYSHEV, N. G. [Judging soccer competitions] Sudelstvo sorovnovaniu po futbolu. 4, ispr. i dop. izd. Moskva, Fizkul'tura i sport, 1965. 274 p.

[LENINGRAD INSTITUTIONS OF HIGHER LEARNING; handbook for students registering in 1965] Vuzy Leningrada, spravochnik dlia postupalushchikh v 1965 godu. [Leningrad] Lenzdat, 1965. 201 p.

MEDVEDEV, R. A. [Organizing the vocational education of students] Voprosy organizatsii professional'nogo obucheniia shkol'nikov. Pod red. A. A. Vasil'eva. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 127 p. (Biblioteka politkhnicheskogo obucheniia) (InU)

OVCHINNIKOVA, I. G., and I. E. SIVASHINSKII. [How to help children to study] Kak pomoch' detiam ucit'sia. Moskva, Znanie, 1965. 77 p. (Narodnyi universitet: Pedagogicheski fakul'tet, no. 4)

PROKOF'EV, A. V. [Programmed teaching. Programmed textbooks. Teaching machines] Programmirovannoe obuchenie. Programmirovannye uchebniki. Mashiny dlia obucheniia. Moskva, Voenizdat, 1965. 161 p.

RIGA. POLITEHNISKAIS INSTITUTS. [Riga Polytechnic Institute] Rigas politehniskais instituts, filizhaki politkhnicheskii institut. Riga, Izdevnieciba "Liesma," 1965. 23 p. (chiefly illus.) [In Latvian and Russian]

SAULIT, V. R., and V. I. PADALKO. [How to prepare for entrance examinations to institutions of higher learning; physics] Kak gotovit'sia k priemnym ekzamenam v vuz; fizika. 4, perer. izd. [Leningrad] Izd-vo Leningr. univ., 1965. 262 p.

SUBBOTINA, K. I. [Public education and the budget] Narodnoe obrazovanie i budzhet. Moskva, Finansy, 1965. 141 p.

UKRAINS'KE TOVARYSTVO DRUZHBY I KUL'TURNOLIO ZY'IAZKU Z ZARUBIZHNYMY KRANAMY. [University in Lvov] Universytet u L'vovi. Kyiv, 1963. 4 l. 27 photos (in portfolio) (CaByuU)

VOSKRESENSKAYA, A. I. [Reading and writing in a kindergarten; concise methodological instructions] Gramota v detskom sadu; kratkie metodicheskie ukazaniia. Moskva, Prosveshchenie, 1965. 72 p.

## 9. MUSIC, THEATER & MOTION PICTURES

DANILEVICH, L. V. [Our contemporary; the works of Shostakovich] Nash sovremenniki; tvorchestvo Shostakovicha. Moskva, Muzyka, 1965. 328 p.

DAUNORAS, ALGIMANTAS. [Harmony for technical schools of music] Harmonija; muzikos technikumams. Kaunas, Sviesa, 1964. 483 p. [In Lithuanian]

FEILIKH, S. I. [Motion pictures and the years; development of realism in the art of motion pictures] Fil'my i gody; razvitiie realizma v kinokusstve. [Moskva, Iskusstvo, 1964] 369 p. (NIC)

GAILIS, DAUMANTS. [Handbook for choral singers] Kora dziedataju rokas gramata. Otrs, parlabots un paplasinat izdevums, Riga, Izdevnieciba "Liesma," 1965. 171 p. [In Latvian]

HRYPHOR'IEV, P. [Collection of Ukrainian folk dances] Zbirnyk ukrains'kykh narodnykh tantsiv. New York, Ukraine'ske vyd-vo "Hovorila," 1962. 93 p. illus., diagrs. (NNC)

IUNAKOVSKYI, V. S. [Art of the stage] Shcenarna maisternist' [2., peror. vyd.] Kyiv, Mystetstvo, 1964. 270 p. illus., plates, tables. (CAOTU)

KANERSHTEIN, M. M. [Problems of conducting] Voprosy dirigirovaniia. Moskva, Muzyka, 1965. 220 p.

KASTONIS, R. [Principles of harmony] Harmonijos pagrindai. Vilnius, VAGA, 1965. 149 p. [In Lithuanian]

KONEN, V. [History of foreign music] Istoriia zarubezhnoi muzyki. 2., dop. izd. Moskva, Muzyka. No. 3. [Germany, Austria, Italy, France, and Poland from 1789 to the middle of the 19th century] Germaniia, Avstriia, Italiia, Frantsiia, Pol'sha s 1789 goda do serebry XIX veka. 1965. 527 p.

LEONT'IEVA, O. T. [Western European composers of the middle of the 20th century] Zapadnoevropeiskie kompozitory serebry XX veka. Moskva, Muzyka, 1964. 124 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury; besedy o muzyke)

MAKSIMOV, S. E. [Harmony exercises at the piano] Uprazhneniia po garmonii na fortepiano. Izd. 4. Moskva, Muzyka. Pt. 2. 1965. 272 p.

MARKOVA, F. M. [The hero and our times, on films of recent years] Geroi i sovremennost': o fil'makh poslednikh let. Moskva, Znanie, 1965. 46 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i isskustvo, no. 12)

[MOTION-PICTURE PRODUCER JUAN ANTONIO BARDEN] Kinorezhisser Kiuann Antonio Bardem. Moskva, Iskusstvo, 1965. 344 p. (Masters zarubezhnogo kino-iskusstva)

PAVLUCHENKO, S. A. [For the amateur musician; a brief reference dictionary] Muzykantu - ljubitelu: korotkiy slovnyk-dovidnyk. Zhal'nna red. L. M. Revuta's'koho ta M. V. Dremliuky. Kyiv, Mystetstvo, 1965. 187 p.

[PROBLEMS OF THE METHODOLOGY OF TEACHING AT A CHILDREN'S MUSIC SCHOOL] Voprosy metodiki prepodavaniia v detskoi muzykal'noi shkole. Moskva, Muzyka, 1965. 122 p. (V pomoshch' pedagogu-muzykantu)

RACHIMANINOFF, SERGEI. [Romances, complete collection] Romansy; polnoe sobranie. Moskva, Gos. muzykal'noe izd-vo, 1963. 330 p. (MIDW)

RATSKALA, TS. S. [Soviet chamber music] Sovetskaya kamernaya muzyka. Moskva, Izd-vo "Znanie," 1965. 79 p. (Narodnyi universitet; Fakul'tet literatury i isskustva, no. 3)

RIGA, EM. MELNGAILA TAUTAS MAKSLAS NAMS. [Children dance] Dejo berni. [Riga] Izdevnieciba "Zvaigzne," 1965. 287 p. [In Latvian]

RZIANKINA, T. A. [Let's go into the world of music] Vaidemte v mir muzyki. Moskva, Muzyka, 1964. 160 p. illus.

SEEGEEVA, I. Mikhail Kuznetsov. [Moskva, Biuro propagandy sovetskogo kinoiskusstva, 1964] i v. (chiefly illus.)

SOKHOR, A. N. [Aleksandr Porfir'evich Borodin; his life, activity and musical works] Aleksandr Porfir'evich Borodin; zhizn', delatel'nost', muzykal'noe tvorchestvo. Moskva, Muzyka, 1965. 810 p. (Klassiki mirovoi muzykal'noi kul'tury)

SVETZAROVA, N. A., and B. L. KREMENSHEIN. Pedaling in the process of instruction in piano playing. Pedalizatsiia v protsessu obucheniia igre na fortepiano. Moskva, Muzyka, 1965. 119 p. (V pomoshch' pedagogu-muzykantu)

VAKHROMEYEV, V. A. [Methods of teaching solfeggio in children's musical schools] Voprosy metodiki prepodavaniia sol'fedzho v detskoi muzykal'noi shkole. Moskva, Gos. muz. izd-vo, 1963. 87 p.

VILNA. VALSTYBINE RESPUBLIKINE BIBLIOTEKA. [Literature on music, 1959-1963; an index] Muzikine literatūra, 1959-1963, rodykie. [By] E. Juodis. Vilnius, 1965. 285 p. [In Lithuanian]

ZAHARODNI, H. M. [Songs of the Komsomol youth] Pesni komsomol'skaha iunatsva. Minsk, Belarus', 1964. 31 p. (Biblioteka komsomol'ska shkol'nika)

## 10. FINE ARTS

ANTONOVA, L. V. [How and when the Hermitage was built, for children of secondary and older school age] Kogda i kak postroen Ermitazh; dlia detei srednego i starshego shkol'nogo vozrasta. Izd. 2., ispr. i dop. Leningrad, Sovetskii khudozhnik, 1965. 85 p. illus. (Puteshestviia v proshloe: Po zalam Ermitazha)

BARANOV, N. V. [Composition of the centers of cities] Kompozitsiia tsentra goroda. [Moskva] Stroizdat [1964] 191 p. illus.

CHERVONNAIA, S. M. [Art of the Soviet Baltic States, painting, sculpture, graphic arts] Iskusstvo Sovetskoi Pribaltiki; zhivopis', skulptura, grafika. Moskva, Znanie, 1965. 39 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i isskustvo, no. 8)

CHERVONNAIA, S. M. Zemlegra. Leningrad, Iskusstvo, 1964. 77 p. 32 plates. (MH)

CHURLIONIS, M. K. [Friendship; eight reproductions by M. K. Churlionis and poems by Salomeja Neris] Bieliuste; astuonios M. K. Churlionio kurislu reprodukcijos su Salomejos Neris eileroais. Vilnius, VEGA, 1965. 8 fold. plates. [In Lithuanian]

DASHKEVICH, V. T. [Decorative-applied art of modern Japan in the Hermitage collections] Dekorativno-prikladnoe iskusstvo sovremennoi Iaponii v sobranii Ermitazha. Leningrad, Sovetskii khudozhnik, 1965. 77 p. illus.

DRAMPIAN, R. G. Sar'ian. [Moskva] Iskusstvo, 1964. 124 p. illus. (NTC)

ESTONIAN S. S. R. Arhitektuuri Vallitus. [The Castle of Kuresaare] Kuresaare linnus. Tallinn, Eesti Riiklik Kirjastus, 1957. 67 p. illus. [In Estonian, Russian and English]

ETKIND, M. G. [Alexandro Nikolaevich Benois, 1870-1960] Aleksandr Nikolaevich Benois, 1870-1960. Leningrad, Iskusstvo, 1965. 214 p. illus. (Zhivopis', skulptura, grafika)

[FRIENDS OF THE PALETTE] Paletes draugai. Vilnius, Vaga, 1965. [2] p. 14 plates [Parallel texts in Lithuanian and Russian]

KAZIEV, A. I. U. [Miniature painting in the manuscript of Nizami's "Khamse," 1539-1543] Miniatury rukopisi "Khamse" Nizami, 1539-1543 gg. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 82 p. illus.

LENINGRAD. ERMITAZH. [The Hermitage in water colors, drawings, and sketches from the end of the 18th to the mid-19th century; catalog of a temporary exhibition organized from the collections of the State Hermitage] Ermitazh v akvareliakh, risunkakh, chertezhakh kontsa XVIII - serebry XIX veka; katalog vremennoi vystavki iz fondov Gosudarstvennogo Ermitazha. [By] A. N. Voronikhina, R. D. Lulima. Leningrad, Sovetskii khudozhnik, 1964. 87 p. illus.

LENINGRAD. ERMITAZH. [One-hundred etchings of the 18th to the 19th centuries from the collections of the State Hermitage] Sto oboitov XVI-XIX vekov iz sobranii Gosudarstvennogo Ermitazha. Leningrad, Sovetskii khudozhnik, 1964. 129 p. illus.

LOBANOVSKYI, B. B. Vasyi' Zakharovych Borodai. Kyiv, Mystetstvo, 1964. 27 p. illus., plates. (MH)

MA TEJKO, JAN ALOJZY. [Jan Matejko] Jan Matejko. Moskva, Gos. izd-vo izobraz. iskus., 1959. 46 p., illus. (Masters mirovogo iskusstva) (OCIW)

MOSCOW. NAUCHNO-ISSLEDOVATELSKII INSTITUT KHUZHESHTVENNOI PROMYSHLENNOSTI. [Vladimir Province stitches] Vladimirske shvy. Moskva, Gos. izd-vo mestnoi promyshli. i khudozh. promyselov RSFSR, 1962. [28] p. (chiefly illus.) (NCD)

MYTAREVA, K. V. [T. Trepkowski] T. Trepkovskii. Leningrad, Iskusstvo, 1965. 28 p. illus.

PISARSKAIA, L. V. [Monuments of Byzantine art from the 5th to the 15th century in the State Armory Museum] Pamiatniki vizantiiskogo iskusstva V-XV vekov v Gosudarstvennoi Oruzheinoi palate. Leningrad, Sovetskii khudozhnik, [1964] 102 p. chiefly illus. (Muzei Moskovskogo Kremliia)

ZIEDAINIS, V. Aleksandra Brieda, Riga, Latvijas Valsts izdevnieciba, 1964. 169 p. illus. [In Latvian]

## 11. LANGUAGE, LITERATURE & FOLKLORE

ABRAMAVICIUS, G., and A. BERIOZOVAS. [Loyalty; a documentary story] I tikimybė; dokumentine apysaka. Vilnius, VAGA, 1965. 386 p. [In Lithuanian]

ABSAIIMOV, A. S. [Inextinguishable fire, a novel. Authorized translation from the Tatar] Ogon' neugasi-myl; roman. Moskva, Khudozhestvennaya literatura, 1965. 681 p.

ADALIS, A. E., pseud. [Cities, verse] Goroda; stikhi. Moskva, Sovetskii pisatel', 1962. 138 p. (NNC)

ADAMOVICH, A. M. [The sons go off to war; a novel] Synovia ukhodiat v voi; roman. Moskva, Voen. izd-vo M-va obor. SSSR, 1964. 316 p. (KU)

AGAZADE, N. G. [Categories of mood and modality in modern Azerbaidzhan] K voprosu o kategorii naklone-niia i modal'nosti v sovremennoi azerbaidzhanskoi iazyke. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 119 p.

AGEEV, L. M. [The earth; verse] Zemlia; stikhi. Moskva, Sovetskii pisatel', 1962. 117 p. (NNC)

AKADEMIA NAUK KIRGIZSKOI SSR, Frunze, Institut iazyki i literatury. [Outline grammar and lexicon of the Kirghiz language] Ocherki grammatiki i leksiki kirgizskogo iazyka. Frunze, Ilm, 1965. 114 p. [In Russian and Kirghiz]

AKADEMIA NAUK SSSR. Institut iazykoznaniiia. [The Romance languages] Romanskii iazyki. Moskva, Nauka, 1965. 146 p.

AKADEMIA NAUK SSSR. Institut mirovoi literatury. [Genesis of socialist realism in the literature of the countries of the West] Genezis sotsialisticheskogo realizma v literaturakh stran Zapada. Moskva, Nauka, 1965. 398 p.

AKADEMIA NAUK SSSR. Institut narodov Azii. [Glass palace; short stories of contemporary Turkish writers. Translated from the Turkish] Steklanniy dvorets; novelli sovremennykh turetskikh pisatelei. Moskva, Nauka, 1964. 93 p. (Sovremennaya vostochnaia novella)

AKADEMIA NAUK SSSR. Institut narodov Azii. [The plen-wen about Wei-mo-ki. The plen-wen "Ten good omens." Unknown plen-wen manuscript of the Tun Huang Collection in the Institute of Asian Peoples] Blan'ven o Velmoze, Blan'ven "Desiat" blagikh znamenii. "Neizvestnye rukopisi blan'ven" iz Tun-huangskogo fonda Instituta narodov Azii. Izd. teksta, predisl., perevod i kommentarii L. N. Men'shikova. Moskva, Izd-vo vostochnoi lit-ry, 1963. 184, 34 p. (Pamiatniki literatury narodov Vostoka. Teksty, Malala seriia, no. 8) [In Russian and Chinese]

- AKADEMIJA NAUK SSSR. Institut russkogo yazyka. [Changes in word formation and the forms of nouns and adjectives in the Russian literary language of the 19th century.] *Izmeneniya v slovoobrazovanii i formakh yushchestvitel'nogo i prilagatel'nogo v russkoi literaturnom yazyke XIX veka*. Pol red. V. V. Vinogradova i N. U. Shchedovoi. Moskva, Izd-vo Nauka, 1964, 599 p. (Ocherki po istoricheskoi grammatike russkogo yazyka XIX veka) (NIC)
- AKADEMIJA NAUK SSSR. Institut russkogo yazyka. [Materials and studies on the lexicon of 18th century Russian.] *Materialy i issledovaniya po leksike russkogo yazyka XVIII veka*. Moskva, Nauka, 1965, 307 p.
- AKADEMIJA NAUK SSSR. Institut russkogo yazyka. [On biography of proper nouns.] *Orfografiya sobitnykh imen*. Moskva, Nauka, 1965, 145 p.
- AKADEMIJA NAUK SSSR. Kafedra lingvistik i yazykov. [Collected texts on various subjects for students studying spoken French.] *Sbornik tematicheskikh tekstov dlia izucheniushchikh razgovornuyu rech' frantsuzskoi yazyk*. Moskva, Izd-vo Akad. nauk SSSR, 1962, 211 p. (MH)
- AKADEMIJA NAUK URSS, Kiev. Institut mozoznavstva. [Reprints of the Zhitomir city government at the end of the 18th century (1582-1588).] *Aktor a knyha Zhytomirskoho mista'olo uradu finta XVI st. (1582-1588)*. Prihotovav do vyd. M. K. Boichuk. Kyiv, Naukova dumka, 1965, 169 p. (Pamyatky ukrains'koi mowy XVI st. Seriya dokumentiv i hramot)
- AKADEMIJA NAUK URSS, Kiev. Institut mystetstvo-zravsstva, fol'kloru ta etnografi. [Games and songs; spring and summer poetry of a work year.] *Iury ta piseni, vesniano-litnia poznaia trudovoho roku*. Kyiv, Vyd-vo Akad. nauk URSS, 1963, 670 p. (Ukrains'ka narodna tvorchiist') (NIC)
- AKOBEROV, IUSUFDZHOM. [The girl I am looking for, two tales. Authorized translation from the Tajik.] *Davushka katoruyu ya ishchu, dve povesti*. [Moskva] Molodai gvardiia, 1964, 172 p. (Pervaya kniga mladogo pisatelja) (NIC)
- ALENIN, V. I. [There was such an incident...]. *Byl takoi sluchai...* Moskva, Pravda, 1965, 61 p. (Biblioteka krotochila, n. 8)
- ALMATINSKAIA, A. V. [Yohe, a novel.] *Gneti, roman*. [2. ispr. izd.] Tashkent, Gosizdat UzSSR, 1964, 2 v. (MH)
- ANAN'EV, A. A. [The tanks move in a rhomb formation, a novel.] *Tanki idut rombo*, roman, Moskva, Voen. izd-vo M-va obor. SSSR, 1963, 169 p. (NIC) (WU)
- ANDRASOV, M. A. [Six days] *Shest' dni*. [Moskva] DOSAAF, 1964, 150 p. (NIC)
- ANT, VLADIMIR. ["My tanks", lyric miniatures.] *"Moi tanki"*, liricheskie miniatury. New York, 1964, 58 p.
- ANTSIFEROV, N. S. [Chance guest] *Sluchainaia gost'ia*. Moskva, Sovetskaiia Rossiia, 1964, 61 p. (WU)
- ARSEN'EV, I. A. [Grim existence, a work in two parts.] *Surovye budni, ditoglia*. [Moskva] Mosk. raecomi, 1965, 599 p.
- [ASSISTANTS OF THE PARTY] *Podruchnye partii*. [Vologda] Vologodskoe knizhnoe izd-vo, 1963, 143 p. (CS-H)
- ATADZHANOV, ATA. [The steppe is my cradle; verse and poems. Translated from the Turkmen.] *Sep'-kolybel' mola; stikhi i poemny*. Moskva, Sovetskii pisatel', 1964, 56 p. (NIC)
- AVDEENKO, A. O. [Danube nights, tales.] *Dunaiskie nochi; povesti*. Moskva, Voen. izd-vo, 1963, 718 p. (Voenyye prikliucheniia) (MF)
- BACHYL, ALES'. [Spring dawns] *Zory vrasennia*. Minsk, Dziazrh. vyd-va BSSR. Red. Mastatskaii lit-ry, 1964, 210 p. (NV)
- BAGRITSKII, E. G. [Death of a Pioneer girl, a poem.] *Smert' pionierki*, poema. [Moskva] Molodai gvardiia, 1961, 27 p. (NIC)
- BAKHREVSII, V. A. [Keeper of a meridian.] *Khranitel'nitsa meridiana*. [Moskva] Molodai gvardiia, 1965, 223 p.
- BAKLANOV, G. IA. [Three tales: To the south of the main thrust, A patch of soil, The dead do not know shame.] *Tri povesti: Uzhnee glavnogo udara, Plad' zemli, Meriye sramu ne imut*. [Moskva, Gos. izd-vo khudozh. lit-ry, 1963] 380 p. (NIC)
- BAKSHEVA, GALINA. [Girl friends, sketches.] *Podrugi, ocherki*. Tashkent, "Tashkent", 1964, 103 p. (WU)
- BAITUTIS, JUOZAS. [Valuise's need for Aleksas; short stories.] *Valuisei reikia Aleksa; novelės apie meile*. Vilnius, VAGA, 1965, 200 p. [In Lithuanian]
- BASHAEV, MAGOMED. [In the mountains of Daghestan; a novel. Translated from the Lak.] *V gorakh Daghestana, roman*. Moskva, Sovetskii pisatel', 1964, 196 p. (NIC)
- BASHKO, ALES'. [Tatra Mountains; a poem.] *Tatry; poema*. Minsk, Belarus', 1964, 65 p. (WU)
- BELEN'KII, G. I. [Theory of literature in the graduating class; developing the concepts of the idea of belonging to the Party and socialist realism of Soviet literature.] *Teoriia literatury v vypusknom klasse; formirovanie poniatii o partinosti i sotsialisticheskom realizme sovetskoi literatury*. Moskva, Prosveshchenie, 1964, 178 p. (Pedagogicheskaiia biblioteka uchitelja) (WU)
- BELIAEV, D. V. [Psychological bases for mastering the lexicon of a foreign language, textbook for teachers and students.] *Psikhologicheskie osnovy usvoeniia leksiki inostrannogo yazyka, posobie dlia prepodavatelei i studentov*. Moskva, Prosveshchenie, 1964, 134 p.
- BELIAUSKAS, ALFONSAS. [We shall meet again, VII'ma, a novel. Translated from the Lithuanian.] *My eshche vstreimsia, VII'ma*, roman, Moskva, Sovetskii pisatel', 1965, 271 p.
- BELITSKAIA, S. P. [Expositions in grades 5-8; a teacher's manual.] *Izlozheniia v V-VIII klassakh; posobie dlia uchitelja*. Moskva, Prosveshchenie, 1965, 221 p.
- BELOGORSKII, N. [Yesterday, a novel.] *Vchera; roman*. Madrid, Vol. I, 1964, 1 v. (MH)
- BELSEVICA, VIZMA. [Kikurags stories.] *Kikuraga stasti*. Riga, Izdevnieciba "Lieksa", 1965, 113 p. [In Latvian]
- BERDYEV, R. [Compound words in modern Turkmen.] *Slozhnye slova v sovremennoi turkmenskoi yazyke*. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1958, 123 p. [In Turkmen]
- BEREZHNOL, A. F. ["Chapaev" by D. Furmanov.] *"Chapaev"* Dm. Furmanova. Moskva, Khudozhestvennaia literatura, 1965, 128 p. (Massovaiia literaturnaia biblioteka)
- BEZPOSHCHADNYI, P. H. [Verse.] *Stikhi*. Moskva, Khudozhestvennaia literatura, 1964, 108 p. (WU)
- BICHE-OOL, M. D., comp. [Tuviniian punctuation. Tuvinskaiia punktuaitsia, Red. A. A. Pal'mbakh, Kyzyl, Tuvinskoe knizhnoe izd-vo] 1963, 51 p. [In Tuviniian] (MH)
- BILJUNAS, JONAS. [Lamp of happiness; tales and stories. Translated from the Lithuanian.] *Svotoch sacha-s'ia, povesti i rasskazy*. Vilnius, Vaga, 1964, 205 p.
- BIRZE, MIERVALDIS. [Roses bloom in everyone's garden... story of events in the course of three weeks.] *Vsiem rozes dauza ziedu... staisis par triju nedelu notikumiem*. Riga, Latvijas Valsts izdevnieciba, 1961, 160 p. [In Latvian]
- BOGDANOVICH, A. E. [Pages from the life of Maksim Gor'kii. Materials for the biography of Maksim Gorkovitch. My reminiscences.] *Stranitsy iz zhizni Maksima Gor'kogo, Materialy k biografii Maksima Gorkovitcha, Moi vospominaniia*. [Minsk] Nauka i tekhnika [1965] 228 p.
- DORISOVA, M. I. [Selected lyrics.] *Izbrannaiia lirika*. Moskva, Molodai gvardiia, 1965, 20 p. (Biblioteka izbrannoi liriki)
- DORISOVA, T. T. [Shakespeare on the White Russian stage.] *Shakespeare na beloruskoi scene*. Minsk, Nauka i tekhnika, 1964, 96 p. (NIC)
- BORNHOHE, EDUARD. [Historical stories.] *Ajakohadest jutustused*. Tallinn, Eesti Riiklik Kirjastus, 1964, 346 p. [His: Teosed] [In Estonian]
- BRIANTSEV, G. M. [Blue package. The end of the wasp hive; tales.] *Goluboi paket. Konets oslnogo gnezda, povesti*. Tashkent, Fsh gvardiia, 1964, 2 v. in 1, 542 p. (NIC)
- BRODSKAIA, V. B. [Exercises on the history of the literary language.] *Sbornik uprazhnenii po istorii literaturnogo yazyka*. Moskva, Prosveshchenie, 1961, 174 p. (NIC)
- BRUK, MNUKHA. [Family from Sosnovsk; a tale.] *Sem'ia iz Sosnovska; povest*. Moskva, Det'skaiia literatura, 1965, 202 p. (Dlia srednego vozrasta)
- BUKOV, E. N. [Verse and poems. Translated from the Moldavian.] *Stikhotvoreniia i poemny*. Moskva, Gos. izd-vo khudozh. lit-ry, 1955, 413 p. (WU)
- DUMANIS, ARNOLDS. [People's poet Jānis Sudrābalis, his life and work.] *Tautas dzejnieks Jānis Sudrābalis, dzīve un darbs atļeks*. Riga, Latvijas Valsts izdevnieciba, 1964, 1 v. (MH)
- BURLACHOK, A. A. [Exercises and assignments in the comparative grammar of the Eastern Slavic languages; for the language and literature faculties of pedagogical institutes.] *Zbirnyk vprav i zvidan' z porivnial'noi gramatyky skhidnoslov'ians'kykh mov; dlia fakul'tetiv movy ta literatury pedagog. in-liv*. Kyiv, Radians'ka shkola, 1961, 139 p. tables. (CaOTU)
- BURIAKIV'SKYI, IU. O. [Winds from various latitudes; stories, sketches, plays.] *Vatry raznykh shvit; rasskazy, ocherki, p'esy*. Kyiv, Vyd-vo khudozh. lit-ry "Dnipro", 1964, 410 p. (NIC)
- BUZIKHEVICH, M. K. [A man lives for others.] *Zhivet dlia drugikh chelovek*. Moskva, Sovetskaiia Rossiia, 1964, 58 p. (NIC)
- CHAIKOV'SKYI, ANDRII. [Before the failure; historical tale.] *Pored zryvom; istorychna povist'*. Z paradmavolu Hr. M. Luzhnyts'koho, 2. vyd. New York, Novorilna, 1962, 128 p. (WU)
- CHEKHOV, A. P. [Plays.] *P'esy*. Moskva, Khudozhestvennaia literatura, 1964, 221 p. (Narodnaia biblioteka)
- CHEKHOV, A. P. [Stories.] *Rasskazy*. Moskva, Izd-vo khudozhestvennoi lit-ry, 1963, 287 p. (Narodnaia biblioteka)

- CHEKHOV, A. P. [Stories and tales] Rasskazy i povesti Moskva, Detskaya literatura, 1964. 349 p. (Shkol'naya biblioteka)
- CHICHERIN, A. V. [Ideas and style, on the nature of the poetic word] Idei i stil', o prirode poeticheskogo slova, Moskva, Sovetskii pisatel', 1965. 298 p.
- CHIKOTULOV, MIKHAEL. [The heart of Abazashka, verse. Translated from the Abazin] Serdtshe Abazashky, stikhi. Moskva, Sovetskii pisatel', 1964. 75 p. (NNC)
- CHIVILIKHIN, V. A. [Siberian tales] Sibirskie povesti. Moskva, Khudozhestvennaya literatura, 1965. 95 p. (Roman-gazeta, no. 6(332))
- CHORNY, KUZ'MA, pseud. [Levon Bushinar, Fatherland, Liuba Luk'ianskaya, The Milky Way] Levon Bushinar, Otechestvo, Liuba Luk'ianskaya, Mlechnyi put'. Minsk, Belarus', 1965. 513 p.
- CHUKOVSKII, N. K. [Baltic sky, a novel] Baltiskoe nebo, roman. Moskva, Sovetskii pisatel', 1965. 533 p.
- DABULSKIS, ALEKSAS. [A drop of honey] Lasas medaus. Vilnius, Vaga, 1965. 33 p. [In Lithuanian]
- DALEKII, N. A. [Meeting; stories] Vstiecha, rasskazy. Moskva, Voen. izd-vo M-va oborony SSSR, 1965. 156 p. (IU)
- DAVAEV, GARIA. [Altma, poems. Translated from the Kalmyk] Altma, poemny. Elista, Kalmygostizdat, 1964. 85 p. (IU)
- DAVTIAN, M. D. [Dawn over the city. Translated from the Armenian] Zari nad gorodom. Baku, Azerbaidzhan'skoe gos. izd-vo, 1964. 194 p.
- DELIANU, LIVIU. [Songs of various times. Translated from the Moldavian] Pesni raznykh vremen. Moskva, Sovetskii pisatel', 1963. 143 p. (MIU)
- D'IAKONOV, L. V. [With you again; verse] Snova s toboi, stikhi. [Kirov] Volgo-Viatk'skoe knizhnoe izd-vo, 1964. 89 p. (NNC)
- [DICTIONARY OF LAVRENTII ZIZANII, Church Slavonic synonyms] Leksika Lavrentia Zizania, shonina slavenorosskaya. Pridoktovka tekstv pam'iatok i vslepni statii V. V. Nimenchuka. Kyiv, Naukova dumka, 1964. 201 p. (Pam'iatki ukrains'koi movy XVI-XVII st. Seriya naukovo literaturny) (CAOTU)
- DILBAZI, MIRVARID. [I am remembering you, verse. Translated from the Azerbaijani] Vspominai vas, stikhi. Baku, Azerbaidzhan'skoe gos. izd-vo, 1964. 49 p. (NNC)
- DIUBIN, V. V. [Silver keys] Serebrnyye kluchki. Kishinev, Karlia moldovenaske, 1962. 599 p. (NNC)
- DOBRIAKOV, IU. N. [Russian snow; tales and stories] Russkii sneg; povesti i rasskazy. [Akhangel'sk, Severo-Zapadnoe knizhnoe izd-vo, 1964] 150 p. (IU)
- DOBROLIOBOV, N. A. [Collected works] Sobranie sochinenii. Pod obshtsei red. B. I. Buisova i dr. Leningrad, Gos. izd-vo khudozh. lit-ry, 1961-1964. 8 v. (NIC)
- DOLGI, V. G. [First voyage; a tale] Pervyi reis, povest'. [Kalinigrad] Kalinigrad'skoe knizhnoe izd-vo, 1963. 154 p. (NIC)
- DOM DETSKOI KNIGI [Glorious path of our homeland, books for children in the younger and middle age groups] Slavnyi put' rodnoi strany, knigi dlia detei mladshego i srednego vozrasta. Leningrad, Izd-vo "Detskaya literatura," 1965. 62 p. (CSI-B)
- DOMAZAR, SERIHL. [The castle on Vodaj] Zamok nad Vodajem. Munich, Avtors'ke vyd., 1964. 247 p. (IU)
- DONCHUK, ZOSYM. [House 1313, a novel] Budynok 1313, roman. Philadelphia, 1964. 296 p.
- DONENTAEV, SABIT. [Selected works] Izbirannoe. Alma-Ata, Kazakh'skoe gos. izd-vo khudozh. lit-ry, 1958. 147 p. (Dokady kazakh'skogo iskusstva i literaturny v Moskve, 1958) (IU)
- DRAGUNSKIS, VIKTORS. [Where was it seen, where was it heard...] Kur gan tas redzets, kur gan tas dzirdets... Riga, Izdevnieciba "Liesma," 1965. 78 p. [In Latvian]
- DUBOUKA, ULADZIMIR. [Selected works in two volumes] Vybranyia tvory u dvukh tomakh. Minsk, Belarus', Vol. 2. [Poems, ballads, tales] Poemy, balady, kazki. 1965. 430 p.
- DUMBADZE, NODAR. [I, my grandmother, Ilko and Iliaion. Translated from the Georgian] IA, babushka, Ilko i Iliaion. Tbilisi, Literatura da khelovneba, 1964. 200 p. (IU)
- DUZ', I. M. [Stepan Olhnyk, sketch of his life and work] Stepan Olhnyk, narys pro zhyt'tia i tvorchist'. Kyiv, Radians'kyi pys'mennyk, 1964. 117 p. (CAOTU)
- DZHAILIL, MUSA. [Selected lyrics. Translated from the Tatar, Izbrannaya lirika. Moskva] Molodaii gvardiia, 1964. 28 p. (Biblioteka izbrannoi liriki) (NNC)
- DZHUNUSOV, KAMCHIL. [The bunch of grapes, verse. Translated from the Kirghiz] Grozd' v'inoqrada; stikhi. Moskva, Sovetskii pisatel', 1959. 71 p. (IU)
- DZHUNUSOV, KAMCHIL. [Cul'nai; verse and a poem. Cul'nai; stikhi i poema. Frunze Kirgizgosizdat] 1963. 155 p. [In Kirghiz] (MI)
- EGOROVA, L. P. [Studying the folklore of the peoples of the Karachay-Cherkass Autonomous Province; aid for correspondence students] Izuchenie folklor'a na odov Karachaevo-Cherkessii, v pomoshch' studentu-zaochniku. [Cherkessk] Stavropol'skoe knizhnoe izd-vo, 1964. 76 p. (NNC)
- ELOVSKIKH, V. I. [Nina, stories] Nina, rasskazy. [Tiumen'] Tiumenskoe knizhnoe izd-vo, 1960. 138 p. (NNC)
- EL'SBERG, IA. E. [Ideological struggle and the collapse of the bourgeois theory of literature] Ideologicheskai bor'ba i raspad burzhuaznoi literaturnoi teorii. Moskva, Khudozhestvennaya literatura, 1964. 278 p. (NeU)
- ENNO, ERNST. [The little book of verse] Valke lulleramaat. Tallinn, Eesti Riiklik Kirjastus, 1964. 70 p. [In Estonian]
- ERMILOV, V. V. [Tolstol the novelist; "War and peace," "Anna Karenina," "Resurrection"] Tolstoi - romanist; "Volna i mli," "Anna Karenina," "Voskresenie." Moskva, Khudozhestvennaya literatura, 1965. 691 p.
- ESENIN, S. A. [Verse and poems] Sukhotvoreniia, poemny. Moskva, Khudozhestvennaya literatura, 1965. 550 p.
- EVTUSHENKO, E. A. [Autobiography] Avtobiografiia. London, Flagon Press, 1964. 144 p. (IU)
- [FABLES IN CHARACTERS, Russian folk tales, ditties, entertaining stories] Nchylitsy v hlaakh, russkie naodnye skazki, pesenki, poteshki. [Leningrad] Detskaya literatura, 1965. 27 p.
- FEOFAN, Abp. of Novgorod, 1681-1736. [Feofan Prokopovich, works] Feofan Prokopovich, sochineniia. Pod red. I. P. Eremina. Leningrad, Izd-vo Akad. nauk SSSR, 1961. 501 p. (OCU)
- FILATOV, A. F. [Selected works, verse and poems] Izbrannoe, stikhi i poemny. [Moskva] Mosk. rabochii, 1963. 174 p. (NNC)
- FOKINA, O. A. [Dark forest, lyrics] Syr-bor, lirika. [Moskva] Molodaii gvardiia, 1963. 126 p. (NNC)
- [FOREIGN LITERATURES OF THE 19th AND 20th CENTURIES (up to 1917)] Z uberzhye literaturny XIX-XX vekov (do 1917 goda) [By] N. I. Lapidus i dr. Minsk, Vysshaya shkola, 1964. 177 p.
- FORSI, O. D. [Collected works] Sobranie sochinenii. Leningrad, Gos. izd-vo khudozh. lit-ry, 1962-1964. 8 v. Iliuss. (MosW)
- GAETSKII, IU. A. [Gifts of Melpomena, tale about a great actor] Dary Mel'pomeny, povest' o velikom aktere. Moskva, Gos. izd-vo det'skoi lit-ry M-va prosv. RSFSR, 1960. 182 p. (NN)
- GALINDAS, RAIMONDAS. [Stars do not die, short stories] Zvaigzdes negesai; apsakimai. Vilnius, Vaga, 1965. 61 p. [In Lithuanian]
- GAMSAKHURDIA, KONSTANTINE. [Right hand of the great master, a novel. Translated from the Georgian] Desnitsa velikogo mastera, roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 318 p. (Biblioteka isto- richeskogo romana) (NNC)
- GARSHIN, V. M. [Signal, a story] Signal, rasskaz. [Moskva, Gos. izd-vo det'skoi lit-ry, 1963] 31 p. (Shkol'naya biblioteka dlia nerusskikh shkol) (NeD)
- GEI, N., and V. PISKUNOV. [The world, man, art] Mn, chelovek, iskusstvo. Moskva, Sovetskii pisatel', 1965. 291 p.
- GELLNER, ERNEST. [Words and things. Translated from the English] Slova i veshchi. Obshchaya red. i vstup. stat'ia V. V. Mshvenieradze. Moskva, Izd-vo bostr. lit-ry, 1962. 343 p. (OCIW)
- GERDZEI-KAPITSA, N. M., and M. N. SALTYSKOVA. [Extracurricular reading in grades 5-8; from practice] Vneklassnoe chitene v V-VIII klassakh; iz opyta raboty. Leningrad, Gos. uchelno-pedagog. izd. M-va prosv. RSFSR, 1961. 244 p. (OCIW)
- GNEUSHEV, V. G. [Voice about a private] Stikhi o likovom. Moskva, Voen. izd-vo M-va oborony SSSR, 1960. 93 p. (NNC)
- GOLDBERG, I. G. [Poem about a porcelain cup; a novel, tales, stories] Poema o farforovoi chashke; roman, povesti, rasskazy. Sost. N. Anovskii. Moskva, Sovetskii pisatel', 1965. 549 p.
- GONCHAROV, V. M. [Tales from India] Indiskie skazki. Kalinin, Kalininskoe knizhnoe izd-vo, 1957. 58 p. (OCI)
- GORBOF, JACQUES. [All relations; a novel] Vse otnosheniia, roman. Paris, Editions de Flore [1964] 211 p. (MI)
- GORBUNOV, I. F. [Selected works] Izbrannoe. Moskva, Khudozhestvennaya literatura, 1965. 401 p. (Nhu)



- GOR'KII, MAKSIM. [Early stories] Rannie rasskazy. Moskva, Khudozhestvennaya literatura, 1965. 208 p. (Narodnaya biblioteka)
- GRACHEV, A. M. [First felling of trees, a novel in two books] Pervaya prosheka, roman v dvukh knigakh. [Moskva] Molodala gvardiya, 1965. 575 p.
- GREBLIKAS, VYTAS. [Morning, short stories] Rytas, apsakymai. Vilnius, Vaga, 1965. 74 p. [In Lithuanian]
- GRIBACHEV, N. M. [Selected lyrics, Izbrannaya lirika. Moskva] Molodala gvardiya, 1965. 31 p. (Biblioteka izbrannoi liriki)
- GRIGOR'EV, V. P. [Dictionary of the language of Soviet Russian poetry, a prospectus, examples of dictionary articles, instructive materials] Slovar' yazyka russkoi sovetskoi poezii, prospekt, obratznyy slovarnykh slatel', instruktyvnye materialy. Moskva, Nauka, 1965. 223 p.
- GROSSMAN, L. P. Dostoevskii. [Izd. 2., ispr. i dop.] [Moskva] Molodala gvardiya, 1965. 604 p. (Zhizn' zamchatel'nykh liudel'. Seriya biografiy, no. 4(357))
- GURBANOV, V. V., and others. [Exercises on Russian literary pronunciation and accentuation, manual for secondary school teachers] Sbornik uprazhnenii po russkomu literaturnomu proiznosheniiu i udareniiu; posobie dlia uchitelei srednei shkoly. Moskva, Prosveshchenie, 1964. 161 p. (NcU) (RPB)
- GUREVICH, G. I. [Prisoners of an asteroid; science-fiction tales and stories] Plenniki asteroida, nauchno-fantasticheskie povesti i rasskazy. Moskva, Detskaya literatura, 1965. 267 p.
- HARETSKI, MAKSIM. [The Vilna Communards, a chronicle novel] Vilenskii kamunary; roman khronika. Minsk, Belarus', 1965. 354 p.
- [THE HEART SINGS; lyric songs] Serdtse poet, liricheskie pesni. [Minsk] Belarus' [1965] 236 p.
- HECKO, FRANTISEK. [Wooden village; a novel, Translated from the Slovak] Derevennaya derevnia, roman. Moskva, Izd-vo inostr. lit-ry, 1957. 441 p. (OU)
- HEMINGWAY, ERNEST. [Short stories. Fiesta (The sun also rises), a novel. Publicistic works] Nuvele, Fiesta (ehi tokush soarele resare); roman. Publichisticke. Kishineu, Karta moldoveniaske, 1961. 368 p. [In Moldavian]
- HIRNYK, M. A. [In the front lines of the world; verse on the road] V avangardi svitu; poezii v puti. Kyiv, Radians'kyi pys'mennyk, 1960. 146 p. (NNC)
- HLEBKA, P. F. [Images of my native land] Vobrazy rodnai krainy. Minsk, Vyd-va "Narodnaya asvela," 1964. 218 p.
- HLIBOV, L. I. [Works] Tvory. Kyiv, Dnipro, 1964. 470 p. (TU)
- HOLOVCHENKO, I. KH., and A. H. MUSIENKO. [Golden gates; a novel] Zolotyie vorota; roman. Moskva, Voenizdat, 1965. 360 p.
- HONCHAR, O. T. [Japanese sketches] Japons'ki etludy. Kyiv, Radians'kyi pys'mennyk, 1961. 47 p. (TU)
- HRAKHOUSKI, SIARHEL. [Memory; lyric verse] Pamiat's; ilryka. [Minsk] Belarus' [1965] 110 p.
- HRYNCHYSHYN, D. H. [Substantivation in the Ukrainian language; substantivation of adjectives] Lavyshche substantyvatali v ukrains'koi movi; substantyvalisia prykmetnykiv. Kyiv, Naukova dumka, 1965. 109 p.
- IAKIMOY-METAN, I. [Along the yellow-blue road; across the Far East. A play in 4 acts with a prologue] Zhovto-blakytyn shliakhom; po Dalekomu Shkodi. P'esa na 4 dil z prologom. Paris, 1955. 85 p.
- [IBERO-CAUCASIAN LINGUISTICS (Ibero-Caucasica)] Iberisko-kavkazskoe iazykoznanie (Ibero-Caucasica). Tbilisi, Izd-vo "Metsnereba." [In Georgian and Russian] Vol. 14. 1964. 394 p.
- ISAKOVSKI, M. V. [You are walking across the country; selected verse and songs] Po strane ty idesh'; izbrannye stikhi i pesni. [Moskva, Sovetskii pisatel'] 229 p. (NN)
- IULTYI, DAUT. [Blood, a novel. Translated from the Bashkir] Krov'; roman. Ufa, Bashkirskoe knizhnoe izd-vo, 1964. 210 p.
- IUSHCHENKO, O. IA. [Thus life began; verse and poems] Tak pochynalos' zhytia; virshy ta poem. Kyiv, Molod', 1960. 174 p. (NNC)
- JANONIS, JULIUS. [New morning] Naujas rytas. Vilnius, Valtstybine grozines lit-rs leidykla, 1960. 167 p. [In Lithuanian]
- JOHNSON, EMILY PAULINE. [Selected poems] Vybranti poezii. [L'viv] Vyd-vo L'vivskoho univ., 1962. 73 p. [In English and Ukrainian] (CaBAU)
- KALCAN, A. D. [Sar-Ivan, true fairy tale. Translated from the Chuvash] Sar-Ivan; slozka-byi'. Moskva, Sovetskii pisatel', 1959. 85 p. (IU)
- KANAEV, N. P. [Works of N. E. Mordvinov] Tvorchestvo N. E. Mordvinova. I Akutsk, I Akutskoe knizhnoe izd-vo, 1964. 176 p. (NNC)
- KAPRAN-CHEMODANOVA, A. K. [In the land of far away youth] V kraiu dalekoi lunosti. [Barnaul] Altaiiskoe knizhnoe izd-vo, 1964. 139 p. (MH)
- KARDIN, V. [A judge by the name of time; about a hero of Soviet drama] Sud'ia po imeni vremia, o geroe sovetskoi dramy. Moskva, Iskusstvo, 1964. 201 p. (IU)
- KARNAUKHOVA, I. [Russian giant Il'ia Muromets; byliny retold for children by I. Karnaukhova] Russkii bogatyr' Il'ia Muromets; byliny v pereskaze dlia detei I. Karnaukhovoi. [Izd. 3.] Moskva, Gos. izd-vo detskoi lit-ry, 1963. 30 p. (Kniga za knigoi). (NcD)
- KARPOV, V. V. [Commanders turn gray early; tales, stories, sketches] Komandiry sedeliu rano; povesti, rasskazy, ocherki. Moskva, Voenizdat, 1965. 245 p. (Biblioteka soldata i matrosa)
- KASSIL', L. A. [Two goblets: Goalkeeper of the Republic; Race of the Snow Queen] Dva kufka: Vratar' respublik, Khod Boloi Korolevy. [Moskva] Molodala gvardiya, 1965. 540 p. (Tebe v dorogy, romantik)
- KAZAN, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Kafedra tatarskogo iazyka i literatury. [Tatar language and literature; scientific articles] Voprosy tatarskogo iazyka i literatury; sbornik nauchnykh slatel'. Kazan', 1963. 190 p. [In Tatar and Russian]
- KENT, ROCKWELL. [It's me, O Lord; the autobiography of Rockwell Kent. Translated from the English] Eto ia Gospodi; avtobiografiia Rokuella Kenta. Moskva, Iskusstvo, 1965. 346 p.
- KERIMI, KUVANCH. [Turkmen theater; historical sketch] Turkemenskii teatr; ocherk istorii. Pod obshchiel red. Georga Golana, Moskva, Iskusstvo, 1964. 225 p. (NIC)
- KERLER, IOSIF. [I want to be good, verse. Translated from the Yiddish] Khochu byt' dobrym; stikhi. Moskva, Sovetskii pisatel', 1965. 95 p.
- KHAKOV, VAKHIM. [Introduction to the stylistics of the Tatar language] Vvedenie v stilistiku tatarskogo iazyka [Kazan'] Izd-vo Kazanskogo univ., 1963. 166 p. [In Tatar]
- KHELEMSKII, IA. A. [Emergency ration; verse, songs, a poem] Neprikosnovennyi zapas; stikhi, pesni, poema. Moskva, Voenizdat, 1965. 116 p.
- KHIZHNIAT, ANTON. [Danil Galitskii; a novel] Danil Galitskii, roman. Moskva, Khudozhestvennaya literatura, 1964. 605 p. (Biblioteka istoricheskogo romana) (NNC)
- KHODZHER, G. G. [End of a great house; a novel] Konets bol'shogo doma; roman. Moskva, Khudozhestvennaya literatura, 1965. 111 p. (Roman-gazeta, no. 12(339))
- KHYZHNIAT, A. F. [Tamara; a tale] Tamara, povest'. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1960. 200 p. (NNC)
- [KIRGHIZ-RUSSIAN DICTIONARY. Approximately 40,000 words] Kirgizsko-russkii slovar'. Okolo 40 000 slov. Sost. K. K. Iudakhin. Moskva, Sovetskiiya Entsiklopediya, 1965. 973 p.
- KLEIST, HEINRICH von. [Plays. Translated from the German] P'esy. [Moskva] Iskusstvo, [1962] 637 p. (Biblioteka dramaturga) (CLU)
- KLIMOV, G. A. [The Caucasian languages] Kavkazskie iazyki. Moskva, Nauka, 1965. 112 p.
- KLIUCHAREV, N. P. [Iron rose; a novel] Zheleznaia roza; roman. Saratov, Privolzhskoe knizhnoe izd-vo, 1964. 211 p. (NNC)
- KLIVERS, VALDIS. [Conscience in the mirror] Sidraspazina spoguili. Riga, Liesma, 1965. 217 p. [In Latvian]
- KOCHETOV, V. A. [The Zhurbin family. The Erashov brothers; novels] Zhurbiny. Brat'ia Erashovy; romany. Moskva, Sovetskii pisatel', 1965. 843 p.
- KODRIANSKAIA, NATAL'IA. [Golden gift] Zolotoi dar. Paris, [c1964] 82 p. (MI)
- KONSTANTINOVA, V. K. [Meetings on the way] Vstrechi v puti. Baku, Azerbaidzhanское gos. izd-vo, 1963. 53 p. (NNC)
- KOROLENKO, V. G. [Children of the cave] Deti podzemel'ia. Moskva, Gos. izd-vo detskoi lit-ry, 1963. 60 p. (MoSW)
- KOROLEV, N. I. [Russian-Nepali phrase book] Russko-nepal'skii razgovornik. Moskva, Nauka, 1965. 182 p.
- KOSTOGLODOVA, M. N. [There is romance; a tale] Est' romantika; povest'. Moskva, Sovetskii pisatel', 1964. 378 p. (MI)
- KOTARBINSKI, TADEUSZ. [Selected works. Translated from the Polish] Izbrannye proizvedeniia. Obshchael red., vstup. stat'ia i kommentarii I. S. Narskogo, Red. A. A. Iakushev. Moskva, Izd-vo inostr. lit-ry, 1963. 910 p. (NcD)
- KOTLIARSKI, M. IA. [For the soul] Dlia dushi. [Moskva] Molodala gvardiya, 1964. 171 p. (NIC)
- KOZACHENKO, V. P. [The price of life, Lightning, Hot hands; tales] T'sena zhizni, Molnia, Goriachie ruki; povesti. Moskva, Sovetskii pisatel', 1964. 541 p. (MH)
- KOZLOV, N. P. [About V. Zazubrin's novel "Two worlds", outline of lectures for the course on the history of Russian Soviet literature] O romane V. Zazubrina "Dva mira"; konsept lektel' iz kursa istorii russkoi sovetskoi literatury. Uzhgorod, Uzhgorodskii gos. univ., 1963. 29 p. (MI)
- KRATT, I. F. [Great ocean; a novel] Velikiy okean; roman. Leningrad, Sovetskii pisatel', 1964. 534 p. (NNC)
- KRAVCHENKO, IEVHEN. [The sacred band; humoresques] Dukhovnyi orkestr; humoreski. Moskva, Politizdat, 1965. 117 p.

- KREVE, V. [Quirk of fate] *Likimo zaismas*, Vilnius, Vaga, 1965. 269 p. [In Lithuanian]
- KRUTKOVA, N.E. [Pages of creative life, Marko Vovchok in his life and work] *Storinky tvoio zhyttia*, Marko Vovchok v zhytti i pratsi, Kyiv, Dnipro, 1965. 388 p. (CaOTU)
- KRYVITSKI, A.A. [Our mother tongue; a popular essay] *Nasha rodnaya mova, navukova-populiarny narys*, Minsk, Vyd-va "Narodnaya asveln", 1964. 157 p. (VIU)
- KUDIEVSKYI, K.H. [Evenings in the shadow of sails; tales and stories] *Vechera v teni parusov, povesti i rasskazy*, Kiev, Molod', 1964. 341 p. (IU)
- KULAGIN, VLADIMIR. [My river homeland] *Sorona moia rechnaia*, [Iaroslav] *Verkhne-Volzhske knizhnoe izd-vo*, 1964. 38 p. (IU)
- KULASHOU, A.A. [Selected lyrics. Izbrannaya lirika, Moskva] *Molodaya gvardiya*, 1964. 29 p. (Biblioteka izbrannoy liriki) (IU)
- KULASHOU, A.A. [Selected works in two volumes] *Vybranyia tvory v dvukh tomakh*, Minsk, Vyd-va "Belarus", 1964. 2 v. (NNC)
- KUNAA, A.CH. [Phonetic system of the modern Twa language] *Zvukovaya sistema sovremennogo tuvinskogo yazyka*, Kyzyl, Gos. pedagog. in-t, 1957. 52 p. (NNC)
- KURBANSAKHATOV, KURBANDURDY. [Forty coins; tales and stories. Translated from the Turkmen] *Sorok monet; povesti i rasskazy*, [Moskva, Sovetskii pisatel', 1964] 221 p. (NN)
- KURCHAYOV, I.F. [Front-line true stories; stories and a documentary tale] *Frontovye lyti; rasskazy i dokumental'nye povesti*, [Moskva, Voen. izd-vo M-va obr. SSSR, 1965] 211 p. (NNC)
- KUZNETSOVA, S.A. [Sables; verse] *Sobol'i; stikhi*, Moskva, Sovetskii pisatel', 1965. 102 p.
- KYSILEVSKYI, KOST'. [We are learning the Ukrainian language; orthographical and grammatical exercises for the fourth and fifth years of study of the Ukrainian language] *Vyvechamo ukrains'ku movu; pravyposny gramatychni vpravy dlia chetyvertoho i piatoho rokv navchannia ukrains'koj movy*, New York, Ukrain's'kyi Kongresnyi Komitet Ameriky, 1962. 68 p. (CaAEU)
- LA, U. [Sovereign of a golden land; a novel. Translated from the Burmese] *Vlastitel' zolotoi strany*, roman, Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 333 p. (NNC)
- LACIS, VILIS. [Village at the seashore; the second of two books. Authorized translation from the Latvian] *Poselek u moria; kniga vtoraya dilogii*, [Kaliningrad] *Kaliningradskoe knizhnoe izd-vo*, 1964. 652 p.
- LANKUTIS, J. [Poetry of E. Miezelaitis] *E. Miezelaitis poezija*, Vilnius, Vaga, 1965. 268 p. [In Lithuanian]
- LASKIN, B.S. [Laughter in the hall] *Smekh v zale*, Moskva, Iekusatvo, 1964. 205 p. (IU) (NIC)
- [LATVIA IN MAPLE BLOOMS; verse] *Klavu ziedu Latvija; lirika*, Riga, Izdevnieciba "Liesma", 1965. 308 p. [In Latvian]
- LATVIAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. *Valodas un literaturas instituts*, [Latvian folk tales; folk tales about animals. A selection] *Latviešu tautas pasakas; pasakas par dzīvniekiem*, Izase, Ģeodabija K. A. Rājs, Riga, 1964. 282 p. [In Latvian]
- LAVRENEV, BORIS. [Collected works in six volumes] *Sobranie sochinenii v shesti tomakh*, Moskva, Khudozhestvennaya literatura, Vols. 1-3. 1963-1964. 3 v.
- LERMONTOV, M.IU. [Misyri; a poem] *Misyri; poema*, [Moskva] *Molodaya gvardiya*, 1965. 31 p.
- LEWIS, NORMAN. [The volcanoes above us, a novel. Translated from the English] *Vol'kany nad nami*, roman, Moskva, Khudozhestvennaya literatura, 1965. 95 p. (Roman-gazeta, no. 11(335))
- LEWIS, SINCLAIR. [Collected works in nine volumes. Translated from the English] *Sobranie sochinenii v devyati tomakh*, Moskva, Pravda, Vols. 1-3 1965. (Biblioteka "Ogonch") (NNC)
- LIASKOVSKII, V.G. [Hussar ballad] *Gusarskaya ballada*, Odessa, Malak, 1964. 177 p. (NNC)
- LICHTENBERG, GEORG CHRISTOPH. [Aphorisms. Translated from the German] *Aforizmy*, izd. podgotovil G.S. Stobodkin. 2. izd. Moskva, Nauka, 1965. 343 p. (Literaturnye pamiatniki)
- LIDIN, V.G. [Shadow of his own heart; stories, 1962-1964] *Serditsa svoego ten', rasskazy 1962-1964*, Moskva, Sovetskii pisatel', 1965. 558 p.
- [LIGHT-BLUE DISTANCE; collection of the Free Academy of Proletarian Literature] *Legkosinaya dal'; voprosy i zhiznnyye zhizny*, Upravleniye razvitiya i primenytiya Luts'kogo, New York, Prolog, 1963. 149 p. Illus., facsimiles. (CaOTU)
- LINNA, VAINO. [Here under the North Star, a novel. Translated from the Finnish] *Zdes' pod Severnom zvezdoy*, roman, Moskva, Izd-vo inostr. lit-ry, 1963. 486 p. (NNC)
- [LITERARY LEGACY] *Literaturnoe nasledstvo*, Red. I.I. Anisimov i dr. Moskva, Izd-vo Akad. nauk SSSR, Vol. 72, [Gor'kii and Leonid Andreev; unpublished correspondence] *Gor'kii i Leonid Andreev; nezdannaya perepiska*, 1965. 630 p.
- LONGUS. [Daphnis and Chloë. Translated from the classical Greek] *Dafnis i Khloia*, Moskva, Khudozhestvennaya literatura, 1964. 177 p. (NN)
- MACIUKA, VYTAUTAS. [Unpolished stones] *Neghidinti akmenys*, Vilnius, Vaga, 1965. 47 p. [In Lithuanian]
- MAIAKOVSKII, V.V. [Satire] *Satira*, Moskva, Sovetskaya Rossiia, 1963. 78 p. (NNC)
- MAIAKOVSKII, V.V. [Vladimir Il'ich Lenin; a poem] *Vladimir Il'ich Lenin, poema*, Moskva, Detskaya literatura, 1965. 126 p. (Shkol'naya biblioteka)
- MAKAREVICH, ALES'. [From folk songs and ballads] *Ad pesen' i dumak narodnykh*, Minsk, Navuka i tekhnika, 1965. 121 p.
- MAKAROV, A.N. *Dem'ian Bednyi*, Moskva, Khudozhestvennaya literatura, 1964. 156 p. (Massovaya istoriko-literaturnaya biblioteka) (InU) (NeU) (TU)
- MAKTOV, S.I. [Apples of my eye. Translated from the Balkar] *Zenitna oka, Na'chik*, Kabardino-Balkarskoe izd-vo, 1964. 150 p. (NNC)
- MAKIMOVA, V.A. [Gor'kii as editor, 1918-1936] *Gor'kii - redaktor (1918-1936)*, Moskva, Nauka, 1965. 276 p.
- MALEY, VERA. [Return; stories and sketches. Vozrashchenie; rasskazy i ocherki, Kishinov] *Karta moldoveniaske*, 1964. 151 p. [In Moldavian] (MH)
- MANDRUGIN, A.A. [Ivan Smirnov's life-work] *Delo zhizni Ivana Smirnova*, [Moskva] *Proizdat*, 1963. 127 p. (IU)
- MARKOVA, VERA, fr. [Ten evenings, Japanese folk tales. Translated from the Japanese] *Desiat' vecherov; japonskie narodnye skazki*, Moskva, Khudozhestvennaya literatura, 1965. 369 p.
- MARTYCH, IU.M. [Friends are always with you, stories] *Druz'ia vsegda s toboi; rasskazy*, [Moskva, Sovetskii pisatel', 1964] 452 p. (MH)
- MASS, V., and M. CHERVINSKII. [Going to meet someone] *Ida navstrechu*, Moskva, Pravda, 1965. 44 p. (Biblioteka krokodila, no. 4)
- [MATHEMATICAL LINGUISTICS, a collection of translations] *Matematicheskaya lingvistika, sbornik perevodov*, Pod red. IU.A. Shreidera i dr. Moskva, Mir, 1964. 304 p. (CaOTU)
- MATULAITIS, ST. [Freemason or the dreadfulness of the wrath of God] *Parmazonas arba dievo rusybes balsemas*, Vilnius, Vaga, 1965. 159 p. [In Lithuanian]
- MEGRELIDZE, LIDIA. [For the sake of life; stories. A zhizn', rasskazy. Tbilisi, Lit-ra da Khelovnoba] 1964. 370 p. [In Georgian] (MH)
- MÉRIMÉE, PROSPER. [Collected works. Translated from the French] *Sobranie sochinenii*, Moskva, Izd-vo "Pravda", 1963- (CaAEU)
- [MODERN AMERICAN NOVELLAS. Translated from the English] *Sovremennaya Amerikanskaya novella. Posleslovie E. Romanov*, Moskva, Izd-vo inostr. lit-ry, 1963. 480 p. (NeD)
- MOROZOV, D.P. [Battle without shots] *Boi bez vystrel'ov*, [Moskva] *Molodaya gvardiya*, 1965. 109 p. (Rovenskii Chest', otvaga, muzhestvo)
- MULDAGALIEV, DZHUBAN. [The fate of a widow, a poem. Authorized translation from the Kazakh] *Sud'ba vdovy; poema*, Alma-Ata, Zhazushy, 1964. 114 p. (NNC)
- MUSS, R.A. [The heart does not forget; verse] *Serditsa ne zabывает; stikhi*, [Murmansk] *Murmanskoe knizhnoe izd-vo*, 1964. 60 p. (NIC)
- NARECIONIS, R. [Cancer; humorous short stories] *Vezys; humoreskos*, Vilnius, Vaga, 1965. 75 p. [In Lithuanian]
- NAROVCHATOV, S.S. [Poetry is spirit in motion] *Poezija - dushi dvizhen'e*, Moskva, Znanie, 1965. 36 p. (Novoe v zhizni, nauka, tekhnika. VI Seriya: Literatura i iskusstvo, no. 11)
- NAROVCHATOV, S.S. [Verse] *Stikhi*, Moskva, Khudozhestvennaya literatura, 1965. 254 p. (Biblioteka sovetskoi poezii)
- NAUCHNAIA SESSIA, POSVIASHCHENNAIA STOLETIU SO DNIYA SMERTI TARASA GRIGOR'EVICHA SHEVCHENKO, Moscow, 1961. *Taras Shevchenko*, Moskva, Izd-vo Akad. nauk SSSR, 1962. 270 p. (CaBvau)
- NEKRASOV, G.A. [Steps] *Shagi*, Moskva, Sovetskii pisatel', 1965. 105 p.
- NEMCHENKO, G.L. [Warm snow] *Tepliy sneg*, [Kemerovo, Kemerovskoe knizhnoe izd-vo, 1963] 76 p. (Kuzbass literaturnyi, no. 8) (IU)
- NIADZVEDSKI, ULADZISLAV. [Boys from the second corps; a tale] *Khlop'cy z druhogo korpusa; apovesta*, Minsk, Belarus', 1964. 291 p.
- NIAKHAI, RYHOR. [Heroes do not retreat; a tale] *Heroi ne adstupaiuts'; apovesta*, [Minsk] *Belarus'* [1965] 287 p.
- NIJAZI, SHAVKAT. [Tajik epic poetry in the years of the Great Patriotic War] *Nazmi epiki tochi dar sol-khol changi buzurgi vatani*, Dushanbe, Nashrieti Akademii Fankhoi RSS Tojikiston, 1965. 192 p. [In Tajik]

- NIKFOROV, N. A. [Vasily Zhuravlev, on the occasion of his 50th birthday] Vasily Zhuravlev, i put'stva i put'stva dlya rozhdeniya [Tbilisi] Tbilisskoye knizhnoe izd-vo, 1964. 75 p. (NCC)
- NINTE, P. A. [Starts out of a story] Istiya iz kamna. [Moskva, Leningrad, 1962] 240 p. (NCC)
- (NORWEGIAN-RUSSIAN POCKET DICTIONARY. Approximately 10,000 words. Karmanaya norvegsko-russkii slovar'. Okolo 10 000 slov. Sistavili V. S. Zakharov i V. P. Kul'shnikov. Moskva, Sovetskaya Entsiklopediya, 1965. 615 p.
- OBROCHEV, V. A. [Plutonia, Land of Sambo] Plutonia, Zemlia Sambova. [Chitajinsk] Izdno-Ural'skoe knizhnoe izd-vo, 1965. 462 p.
- OKUPZHAVA, BULAT. [May you have good health, student. Verse (published and unpublished)] Bad' zdorov, student! Stikhi (opublikovaniye i nepublikovaniye) [Frankfurt/Main] Poet, 1964. 204 p.
- (ON GUARD FOR PEACEFUL WORK, a collection of sketches) Na strazhe mirnogo truda, sbornik ocherkov. [Moskva, DOSTAA, 1965. 90 p.
- (ONE HUNDRED MIRACULOUS STORIES, a selection of Lithuan folk tales) Simtas brivam-stastu, latvisku tautas pasaku izlase. Julija Vanaga literara apdaras. Riga, Izdevnieciba "Liesma," 1965. 277 p. [In Latvian]
- OSIROV, D. K. [There is a high mountain] Stoit gora visokaya. [Moskva, Khudozhestvennaya literatura, 1964. 353 p. illus. (U)]
- OSTROVSKI, A. M. [The storm. The forest. The poor bride] Groza, Les, Bespridannitsa. Moskva, Izd-vo zhuzhskoi lit-ry, 1964. 274 p. (Narodnaya biblioteka) (MIM)
- OZHEGOV, S. I., and V. P. GRIGOR'EV, eds. [Our language, how we speak and write] Kana rechi kak my govorim i pishem. Moskva, Znanie, 1965. 110 p. [Narodnyi universitet Pedagogicheskii fakultet, no. 3]
- PAKALINS, ANTANAS. [Wooden woman] Medine toba. Vilnius, Vaga, 1965. 153 p. [In Lithuanian]
- PALECKIS, JUSTAS. [On life's path. Translated from the Lithuanian] Na zhiznennom puti. [2 izd.] Vilnius, Vaga, 1964. 190 p.
- PANOV, A. S. [I worry about you. The girl from Gullistan, tales] Volnusy za tebia. Devushka iz Gulistana, povest. Tashkent, Esh gardila, 1961. 283 p. (NCC)
- PARFENT'EV, V. I. [Four seasons of life verse] Chetyre vremeni zhizni, stikhi. Moskva, Sovetskii pisatel', 1965. 116 p.
- PARKHOMENKO, O. M. [Ukrainian language, textbook for normal schools] Ukrain'ska mova, pidruchnyk dlia pedagogichnykh uchchyl'shch. Za red. V. S. Il'ina. Vyd. 3., vypr. Kyiv, Radians'ka shkola, 1961. (PU)
- PAVLOV, B. P. [The road to the house] Doroga k domu. [Moskva] Malys, 1965. 16 p.
- PENZA. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [V. G. Belinskii, articles dedicated to the 150th anniversary of his birth] V. G. Belinskii, sbornik statei, posviashchennykh 150-letiu so dnia rozhdeniia. Penza, 1961. 202 p.
- PERSHIN, A. N. [From a family of the furious, a documentary tale] Iz sem'i nelsiovykh, dokumental'naya povest'. Moskva, Znanie, 1965. 110 p. (Novoe v zhizni, nauke, tekhnike, X Seriya: Molodezhnaya, no. 9/10)
- PETKEVICIUS, VYT. [Cold springs, short stories] Speiguoti pavasariai, apsakymai. Vilnius, Vaga, 1965. 376 p. [In Lithuanian]
- PETRAKOV, M. P. [Meeting with youth, verse] Vstr'echa s yunosti'u. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 51 p. (NCC)
- PETROV, M. P. [Collected works. Translated from the Udmurt] Sbranie sochinenii. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1963. (U)
- PLEYAKO, N. P. [Silver of the distant steppes] Serebro stepi dalekikh. Moskva, Znanie, 1964. 92 p. (U)
- PLIEKSANS, JANIS. [For youth] Jaunatnei, Riga, Izdevnieciba "Liesma," 1965. 601 p. [Publ. under his pseud. Jan Rainis. In Latvian]
- PLIUSHCH, F. T. [Banner of spring, a tale in verse] Znamia vesny, povest' v stikhakh. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 62 p. (NCC)
- PLUDONS, VILIS. [Rabbit bath. Translated from the Latvian] Zaiach'ia ban'ka. Riga, Izd-vo "Liesma," 1965. 61 p.
- POGOSIAN, P. [Verse] Stikhi. Paris, [Dom knigi] 1960. 43 p. (U)
- POLESHCHUK, ALEKSANDR. [Great fabrication or, the amazing story of Doctor Mechanicus and Alma, who was a dog, a fantastic tale] Velikoe delanie, ili udviten'naia istoriia doktora Mekhanikusa i Al'my, kotoraia byla sobakoi, fantasticheskaya povest'. Moskva, Detskaya literatura, 1965. 190 p.
- POLKANOV, F. M. [Working hypothesis, a novel] Rabochaya gipoteza, roman. [Moskva] Molodaja gvardiia, 1965. 270 p.
- POPOV, P. N. [Shevchenko and Kiev University, on the 150th anniversary of the poet's birth] Shevchenko i Kyiv's'kii universitet, do 150-letich'ia z dnia narozhdeniia poeta. [Kyiv] Vyd-vo Kyiv's'koho univ., 1964. 78 p. (U) (VIU)
- POPOVKIN, E. E. [Robutuk family, a novel] Sm'ia Rubutukiv, roman. [Kyiv, Dnipro, 1964] 843 p. (NN)
- PRILEZHAIEVA, M. P. [Three true stories] Tri nevydumannykh rasskaza, Moskva, Detskaya literatura, 1965. 111 p. (Dla starshego vozrasta)
- PRIVALOV, B. A. [Conversation with a captured thief] Razgovor s poimannym vorom. Moskva, Izd-vo "Pravda," 1965. 62 p. (Biblioteka krokodila, no. 7)
- PROKOF'EV, D. Q. [Aleksol Shkarov, a tale] Aleksol Shkarov, povest'. [4. izd. Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 360 p. (MH)
- PROKSHA, L. IA. [Hypocrites, a pamphlet] Kamedyianty, pamflet. Minsk, 1961. 77 p. (Biblioteka hazely "Holos Radziny")
- PRONINA, R. F. [Textbook for the translation of English scientific-technical literature] Posobie po perevodu angliiskoi nauchno-tekhnicheskoi literatury. Pod red. A. E. Chernukhina. Moskva, Vysshaya shkola, 1965. 215 p.
- PROSKURIN, P. L. [Human love; tales and stories] Lyubov' chelovecheskaya, povesti i rasskazy. [Moskva] Molodaja gvardiia, 1965. 230 p.
- PRUTKOV, KOZ'MA, pseud. [Works of Koz'ma Prutkov] Sochineniia Koz'my Prutkova. Moskva, Khudozhestvennaya literatura, 1965. 446 p.
- PTASHNIKAU, IVAN. [The Lonva; a tale] Lonva; apovesta. Minsk, Belarus', 1965. 253 p.
- RABINOVICH, P. A. [Business correspondence and documents] Korrespondentsiia i dokumenty. Moskva, Kolos, 1965. 142 p. (Uchebnyi i uchebno-pedagogicheskiy spetsial'nyi tekhnicheskii tekhnicheskii)
- RADAITIS, V. [My Galilei] Mano Galilejus. Vilnius, Vaga, 1965. 142 p. (Vycesniojo mokyklinio mokytojo vaikuams) [In Lithuanian]
- RADTSIG, S. I. [Introduction to classical philology] Vvedenie v klassicheskuiu filologiiu. [Moskva] Izd-vo Mosk. univ., 1965. 523 p.
- RAGIMOV, M. SH. [History of the formation of the words of verbs in Azerbaijani] Azerbajchan dilinde fe'l shakillerinin formalashtyryy tarikh. Baku, Azerbajchan SSR Elmler Akademiyasy Neshriyyaty, 1965. 266 p. [In Azerbaijani]
- REIMERIS, VACYS, ed. [The spring of poetry] Pavasaris pavasaris. Vilnius, Vaga, 1965. 100 p. [In Lithuanian]
- RESHETOV, A. L. [Seeds of ripe apples; a tale] Zriushtki speylykh jablok, povest'. [Perm'] Permskoe knizhnoe izd-vo, 1963. 87 p. (U)
- RESPUBLIKANS'KA NAUKOVA SESIJA "LIADJANS'KA POEZIJA I TVORCHIST' ANDRIJA MALYSHKA," Lvov, 1962. [Theses of sectional reports, on the occasion of the poet's 50th birthday] Otsenka 5-7, 1962] Tury sektsiynykh dopovidel, z nashedy 50-rikhivni poeta, 5-7 zhovtnia 1962 r. [Lviv] Vyd-vo Lviv's'koho univ., 1962. 32 p. (MII)
- ROMASHOV, A. P. [Land for all] Zemlia dlia vseh. [Perm'] Permskoe knizhnoe izd-vo, 1963. 92 p. (Biblioteka putsheshtviy i priklucheni, no. 10) (U)
- ROZINS, I. [Selected works] Raketa izlase, Riga, Izdevnieciba "Liesma," [In Latvian], Vol. 3, 1914-1919. 1965. 390 p.
- RUD', P. S. [Triumphant youth, verse] Zvytiavhna molodist', poezi. Kyiv, Molod', 1960. 85 p. (NCC)
- RUSETSKI, ALIAKSEI. [His masterly; a poem] Iakho vialkavits', poema. Minsk, Belarus', 1965. 76 p.
- (RUSSIAN-JAPANESE DICTIONARY. Russko-japonskii slovar'. [Edited by Ikeda Sadatoshi. 4. ed. Tokyo, 1957] 1240 p. (Seriya slovariei "Concise" Summei)
- (RUSSIAN-SWEDISH POCKET DICTIONARY. Approximately 11,000 words. Karmannyi russko-shvedskii slovar'. Okolo 11 000 slov. Sust. A. P. Valentin, Moskva, Sovetskaya Entsiklopediya, 1965. 407 p.
- (RUSSIAN-VIETNAMESE SCHOOL DICTIONARY. Approximately 11,200 words. Russko-vietnamskii uchebnyi slovar'. Okolo 11 200 slov. Sust. I. V. Tolstol, R. A. Tolstol, Dao Chong Tshyung. Pod red. Nguyen Van Khana. Spetsial'noe imeniobnoe slovar' skikh tabits russkogo iazyka, sost. A. A. Zakharenko. Moskva, Sovetskaya Entsiklopediya, 1965. 940 p.
- RUSTAVELI, SHOTA. [Knight in a tiger's skin; a poem. Translated from the Georgian] Vifaz' v tigr'ovo shkure; poema. Moskva, Detskaya literatura, 1965. 217 p.
- RYSS, E. S. [Adventures in the courtyard; a tale] Priklucheniia vo dvore; povest'. Moskva, Detskaya literatura, 1965. 223 p. (Dla srednego vozrasta)
- SADALENKA, RAMAN. [Unmarried widow. The past remains with the heart; tales] Nezamurniia udava. Byloe astastsa u serisy, apovesti. [Minsk] Belarus', [1965] 536 p.
- SADOF'EV, I. I. [Verse] Stikhotvoreniia. Leningrad, Khudozhestvennaya literatura, 1964. 206 p. (Biblioteka sovetskoi poezii) (NIC)
- SAJA, K. [Two plays] Dvi pjeses. Vilnius, VAGA, 1965. 180 p. [In Lithuanian]

- SAKSE, ANNA. [Chita's diary. Translated from the Latvian] Dnevnik Chity. Riga, Liesma, 1965. 50 p.
- SAKSE, ANNA. [Guna at work. Translated from the Latvian] Guna trudistā. [Riga, Liesma, 1964] 1 v. (chiefly illus.)
- SALTYKOV, M. E. [Collected works] Sobranie sochinenii. Red. kollegiia A. S. Bushmin i dr. Moskva, Khudozhestvennaya literatura, 1965. (LNTT) (MIU) (MosW) (NIC) (NLD) (RPB) (TU)
- SCHERFIC, HANS. [Castle of Frydenholm; a novel. Translated from the Danish] Zamok Friidenholm'm, roman. Moskva, Khudozhestvennaya literatura, 1965. 94 p. (Roman-gazeta, no. 13(337)-14(338)) 2 v.
- [SEASONS, verse and stories of Russian authors on nature in their homeland] Vremena goda, stikhi i rasskazy russkikh pisatelei o rodnoi prirode. [Moskva, Gos. izd-vo detskoi lit-ry, 1963] 206 p. (Shkol'naya biblioteka dlia ne russkikh shkol) (NcD)
- SELEZNEV, K. L. [Role of K. Marx and F. Engels in founding the proletarian press] Rol' K. Marksa i F. Engol'sa v sozdanii rabochei pechati. Moskva, Mysl', 1965. 91 p.
- SERGEEV, P. S. [Last dispatch; stories] Poslednee donesenie; rasskazy. Izd. 2. [Volgograd] Nizhno-Volzhskoe knizhnoe izd-vo, 1965. 102 p.
- SERGEEV, V. A. [Verse about love] Stikhi u lyubvi. [Barnaul, Altai'skoe knizhnoe izd-vo, 1964] 62 p. (IU) (NNC)
- SERZHIPUTOUSKI, A. K., comp. [Tales and stories of the White Russian Peasants] Kazki i apaviadanni belaruskaha Palessia. [Minsk] Belorus' [1964] 322 p.
- SHAGINIAN, M. S. [Resurrection from the dead, a tale about an investigation] Voskresenie iz mertvykh; povest' ob odnom issledovanii. Moskva, Khudozhestvennaya literatura, 1964. 400 p. illus., facsim. music. (NN)
- SHAKESPEARE, WILLIAM. [Selected works] Sechitmita eserleri. [Baku] Azerbaidzhan Dövlət Nəşriyyatı, 1962. 361 p. [In Azerbaidzhan]
- SHAMIAKIN, IVAN. [Collected works in five volumes] Zbor tvora u plati imakh. Minsk, Belarus'. Vol. 2. [Good fortune. Stories] U dobry chas. Apaviadanni. 1965. 520 p.
- SHAMIAKIN, IVAN. [Heart in the palm of the hand, a novel] Serdtse na ladoni; roman. Minsk, Belarus', 1965. 426 p.
- SHANSKII, N. M. [Etymological dictionary of the Russian language] Etimologicheskii slovar' russkogoazyka. [Moskva] Izd-vo Mosk. univ. Vol. 1. No. 2. B. 1965. 270 p.
- SHAPOVALOV, E. A. [Return to life; sketches] Vozvrashchenie k zhizni; ocherki. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1958. 220 p. (NIC)
- SHASHKIN, P. [Life goes on] Zhizn' prodolzhaetsia. [Aroslav'] Vorkhne-Volzhskoe knizhnoe izd-vo, 1964. 318 p. (NJP)
- SHCHEPENKO, M. N. [Smell of the soil; a tale] Zemlia pakume, opovidanni. Kyiv, Radlans'kyi pys'mennyk, 1963. 103 p. (IU)
- SHCHERBINA, V. R. [Realism and modernism, the 20th century and the paths of artistic progress] Realizm i modernizm; XX vek i puti khudozhestvennogo progressa. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke, tekhnike. VI Seriya: Literatura i iskusstvo, no. 10)
- SHCHUPACHEV, S. P. [Selected works in two volumes] Izbrannye proizvedeniia v dvukh tomakh. Moskva, Khudozhestvennaya literatura, 1965. 2 v.
- SHESTINSKII, O. N. [The stars over the roof] Zvezdy nad kryshoi. [Leningrad] Lenizdat, 1964. 114 p. (IU)
- SHEVTSOV, A. S. [Law of the sea, a tale and stories] Zakon moria, povest' i rasskazy. [Leningrad] Lenizdat, 1964. 289 p. (NJP)
- SHEKRABA, RYHOR. [Character, style, detail; literary criticism] Kharakter, styl', detali, literaturnakrytychnyia artykuly. Minsk, Belarus', 1965. 257 p.
- SHUKSHIN, V. M. [There lives a fellow; motion-picture play] Zhivet takoi parien', kinostsenarii. Moskva, Iskusstvo, 1964. 73 p. (IU)
- SHUMILOV, I. L. [Thirst, a novel] Zhazhda, roman. [Moskva] Altai'skoe knizhnoe izd-vo, 1964. 294 p. (IU)
- SHURDELIN, B. F. [Life in a sunbeam, a tale] Zhizn' v solnechnom luchie, povest'. Moskva, Sovetskaya Rossiia, 1964. 165 p. (NNC)
- SIVETS, V. S. [Aroslava Troian; a poem] Aroslava Troian, poema. Moskva, Sovetskii pisatel', 1962. 61 p. (NNC)
- SILENIECI, GUNDEGA. [Works of Roberts Eldemans] Roberts Eldemana darbdarbi. [Riga] Izdevnieciba "Zinatne," 1965. 234 p. [In Latvian]
- SIMONAITTE, L. [In a strange house ("...And this is the way it was" Book 2). Translated from the Lithuanian] V chuzhom dome ("...A bylo tak," kn. II). Vilnius, Vaga, 1965. 422 p.
- SIMONOV, K. M. [From Lopatin's notes] Iz zapisk Lopatina. Moskva, Sovetskaya Rossiia, 1965. 197 p.
- SIMONOV, K. M. [The living and the dead, a novel] Zhivye i mertvy; roman. [Moskva, Khudozhestvennaya literatura, 1964] 414 p. (NIU)
- SIRKO, IVANNA. [Voice of the blood, a novel from the life of the blacks of New Guinea. Translated from the Czech] Holos krovy, roman iz zhytia chornoskinykh Novoi Gvinei. Melbourne, Lastivka, 1961. 272 p. (IU)
- SIZOV, N. T. [The street of Vasilii Petushkov.] Ulica Vasilii Petushkova. Moskva, Sovetskaya Rossiia, 1964. 63 p. (Rasskazy o krasote dushhevnoi) (NIC) (NNC)
- SKAZBUSH, N. I. [Berezhnyi family. The judge; tales] Sem'ia Berezhnykh. Sud'ia; povesti. Kyiv, Dnipro, 1963. 308 p. (NNC)
- SKRYHAN, LANKA. [Morning dew; literary notes, reminiscences, portraits] Raniushka rosy, litaturnyia nataski, uspaminy, portrety. Minsk, Belarus', 1965. 228 p.
- SKUCAITE, RAMUTE. [Flowering frost; poems] Zydnitis spelgas, olerasciai. Vilnius, Vega, 1965. 66 p. [In Lithuanian]
- SLEPUKHIN, IU. G. [Step beyond the fence, a novel] Stup' za ogradu; roman. [Moskva, Sovetskii pisatel', 1965] 507 p. (IU)
- SMELIAKOV, IA. V. [Selected lyrics. Izbrannaya lirika. Moskva] Molodaya gvardiia, 1964. 30 p. (Biblioteka izbrannoi liriki) (CU)
- SMIRNITSKII, A. I. [History of the English language (the Middle and Modern periods); a lecture course] Istoriiia angliiskogoazyka (srednii i novyi period), kurs lektsii. [Moskva] Izd-vo Mosk. univ., 1965. 135 p.
- SMIRNITSKII, A. I., ed. [Russian-English dictionary. Approximately 60,000 words] Russko-angliiskii slovar'. Okolo 60 000 slov. Sostavili: O. S. Akhmanova i dr. Izd. 2, pod red. O. S. Akhmanovoi. S prilozheniem kratkikh svadenii po angliiskoi grammatike i orfoepii. Moskva, Sovetskaya Entsiklopediia, 1965. 760 p.
- SMIRNOV, D. A. [Five Andriusha's and eight Nina's] Piat' Andriush i vosem' Nin. Moskva, Sovetskaya Rossiia, 1965. 28 p.
- SMIRNOV, G., comp. [Science fiction, 1964] Fantastika, 1964 god. [Moskva] Molodaya gvardiia, 1964. 366 p. (NJP)
- SOKOLOV, S. N. [Language of the Avesta, a textbook] Iazyk Avesty, uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1964. 413 p.
- SOLOMOS, DIONYSOS. [Songs of liberty. Translated from the modern Greek and the Italian] Pesni svobody. [Moskva, Khudozhestvennaya literatura, 1964] 162 p. (CIY)
- SOPOV, ACO. [The wind brings fine days, verse. Translated from the Macedonian] Vetr prinosi pogozhie dni, stikhi. Moskva, Progress, 1964. 62 p. (Sovremennaya zarubezhnaya poeziia) (MH)
- SOSTURA, VOLODYMYR. [Nobody loved like that, verse] Tak nikhto ne kochav, poeziia. Kyiv, Molod', 1960. 111 p. (NNC)
- SPRINDIS, ADOLFAS. [Saturday is coming; short stories] Atelna sestadienis, apsakymai. Vilnius, Vaga, 1964. 160 p. [In Lithuanian]
- [THE STAGE] Estrada. Moskva, Izd-vo Sovetskaya Rossiia (Biblioteka v pomoshch' khudozhestvennoi samodelatel'nosti, no. 10) No. 2. 1963. 182 p.
- [THE STAGE] Estrada. Moskva, Izd-vo Sovetskaya Rossiia (Biblioteka v pomoshch' khudozhestvennoi samodelatel'nosti, no. 11) No. 3. 1963. 115 p.
- STARITSKYI, M. P. [Works in eight volumes] Tvory u vos'mi tomakh. Kyiv, Dnipro, Vol. 6. [Brigand Karmeluk; an historical novel. Razboinik Karmeluk; istoricheski roman] 1965. 802 p.
- STASAITIENE, V. [Russian-Lithuanian phrase book] Russko-litovskii razgovornik. Russko-litovskiu paskalbajimu knygete. 2. leklimas. Vilnius, Mintis, 1965. 318 p.
- STRAZDAS, ANTANAS. [Works] Rastai. Vilnius, Valstybine grozios lit-ros leidykla, 1957. 145 p. [In Lithuanian]
- STUKALOV, O. N. [Twenty-four hours a day, comedy in eleven episodes] Dvadsat' chetyre chasa v sutki, komediiia v odnadsiat' epizodakh. Moskva, Iskusstvo, 1963. 70 p. (NNC)
- SULAKAURI, ARCHIL. [Avel's return; stories. Translated from the Georgian] Vozvrashchenie Avelia, rasskazy. Tbilisi [Literatura i iskusstvo] 1964. 266 p. (MH)
- [SUNSHINE OVER THE SEA; stories] Solntse nad morem; sbornik rasskazov. [Kalinigrad] Kalinigradskoe knizhnoe izd-vo, 1964. 213 p. (IU) (NIC)
- SUSLOVICH, N. R. [Alphabet of the sea; verse] Azbuka moria, stikhi. Moskva, Voen. izd-vo M-Va oborony SSSR, 1963. 90 p. (NNC)
- SUTEV, V. G. [Fairy tales and pictures; drawings by the author] Skazki i karinki. Moskva, Gos. izd-vo detskoi lit-ry, [1963] 159 p. (OCIW)
- [TALES AND STORIES] Povesti i rasskazy. Moskva, Khudozhestvennaya literatura. (Veitkaia Otechestvennaya...) Vol. 1. 1965. 437 p.
- [TALES OF SAMARKAND] Afsonakhol Samarkand. Dushanbe, Nashriati AFRSS Tojikiston, [In Tajik] Vol. 1. 1965. 273 p.

- [TALES OF VERKHIOVINA, Transcarpathian Ukrainian folk tales] Skazki Verkhoviny, zakarpatskie ukrainskie narodnye skazki. Uzhgorod, Zakarpatskoe obl. knizhno-gazetnoe izd-vo, 1983. 389 p. (NNC)
- TAMMSAARE, ANTON HANSEN. [Truth and right] Tõde ja õigus. Tallinn, Eesti Riiklik Kirjastus. [In Estonian] Vol. 1. 1964. 553 p.
- TAMRAZIAN, G. S. [Shirvanzade, his life and works. Shirvanzade, zhizn' i tvorchestvo. Erevan, Arman-skoe gos. izd-vo] 1961. 590 p. [In Armenian]
- TARASENKO, N. F. [Speed, verse] Skorost', stikhi. Moskva, Sovetskii pisatel', 1964. 70 p. (NNC)
- TAUTKAITE, EUG. [Works] Rastai. Vilnius, VAGA, 1965. 725 p. [In Lithuanian]
- TIKHONOV, I. V. [Green depths, verse] Zelenala glubina; stikhi [Moskva] Molodala gvardia, 1965. 103 p.
- TILVYTIS, TEOFILIS. [Verse, Translated from the Lithuanian] Stikhi, Moskva, Khudozhestvennaya literatura, 1964. 182 p. (Biblioteka sovetskoi poezii)
- TIUTCHEV, F. I. [Lyric verse] Lirika. Izd. podgotovil K. V. Pigarev Moskva, Nauka. (Literaturnye pamiatniki) Vols. 1-2. 1965. 2 v.
- TOKAREV, S. N. [My difficult month of May, a tale] Moi trudnyi mai; povest'. [Moskva] Molodala gvardia, 1965. 141 p.
- TOOMING, OSVALD. [The flight of the swans, three stories] Luigeland, kolm jutustus. Tallinn, Eesti Riiklik Kirjastus, 1956. 398 p. [In Estonian]
- TRAAT, MATS. [Selected lyrics. Izbrannaya lirika. Moskva] Molodala gvardia, 1964. 29 p. (Biblioteka izbrannoi liriki) (TU) (NNC)
- [THE TRAP. Translated from the Chuvash] Kapkan. Moskva, Pravda, 1965. 63 p. (Biblioteka krokodila, no. 5)
- TSVETOV, I. A. E. [Birds sing at dawn, a tale] Ptitsy polut na rassvete, povest'. Moskva, Voenizdat, 1965. 322 p.
- TURGENEV, I. S. [Complete collection of works and letters in twenty-eight volumes. Letters in thirteen volumes] Polnoe sobranie sochinenii i pismen v dvadtsati vos'mi tomakh; pis'ma v trindtsati tomakh. Moskva, Nauka. Vol. 9. [Letters, 1871-1872] Pis'ma 1871-1872. 648 p.
- TURGENEV, I. S. [Fathers and sons] Otsy i deti. Leningrad, Detskaya literatura, 1965. 238 p. (Shkol'naya biblioteka)
- TURGENEV, I. S. [A nest of gentlefolk] Dvorianskoe gnezdo. Moskva, Khudozhestvennaya literatura, 1963. 226 p.
- TVARDOVSKI, A. T. [Poems] Poemy, Moskva, Gostitizdat, 1963. 493 p.
- TVERSKOI A. D. [Turkish march, a tale] Turetskii marsh; povest'. Moskva, Detskaya literatura, 1965. 223 p.
- TYCHININ, V. V. [Snowy Russia; a novel] Snezhnaya Rossiya; roman. Moskva, Sovetskaya Rossiya, 1964. 334 p. (MH)
- TYCHINA, PAVLO. [On a silver night] Sribnoi nochi, Kyiv, Dnipro, 1964. 141 p. (NN)
- UGUN, pseud. [Risky joke, plays. Translated from the Uzbek] Riskovannaya shutka, p'esy. Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1963. 212 p. (NNC)
- UKHANOV, I. P. [Fictional images in the works of V. I. Lenin] Obrazy khudozhestvennoi literatury v trudakh V. I. Lenina. Moskva, Politizdat, 1965. 294 p.
- UPITS, ANDREJS. Robeznieki. Riga, Izdevnieciba "Liesma," 1965. 892 p. [In Latvian]
- URBONAS, VIDMANTAS. [The voice of the earth] Zemes balsas. Vilnius, Leidykla "Mintis," 1965. 86 p. [In Lithuanian]
- VAGAB-ZADE, BAKHTIAR. [Altitude, verse. Translated from the Azerbaijani] Vysoata; stikhi. Moskva, Sovetskii pisatel', 1964. 100 p. (NNC)
- VAGNER, L. A. [The last days of Pompeii, An oppressed people is portrayed here, Zakharka] Posledni den' Pompei, Tut izobrazhen ugnemnyi narod, Zakharka. Moskva, Znanie, 1965. 136 p. (Prochiti, tovarishchi!)
- VALTUCIS, JUOZAS. [Songs are not composed about this, stories, novelle, sketches. Translated from the Lithuanian] O chem pesni ne slozheny; rasskazy, novelly, ocherki. Moskva, Sovetskii pisatel', 1965. 289 p.
- VANNIKOV, I. V., and A. N. SHCHUKIN, Kartimnyi slovar' russkogo iazyka. Picture dictionary of the Russian language. Moskva, Prosveshchenie, 1965. 441 p.
- VANSHENKIN, K. I. A. [Bends of light; lyric verse] Povoroty sveta; lirika. Moskva, Sovetskii pisatel', 1965. 134 p.
- VELIEV, A. L. [The road to Turadzhy; a novel. Authorized translation from the Azerbaijani] Doroga v Turadzhy, roman. Moskva, Sovetskii pisatel', 1964. 390 p. (MH)
- VERSLOVAS, KOSTAS. [The song for life] Daina gyvenimui. Vilnius, Mintis, 1965. 78 p. [In Lithuanian]
- VIENUOLIS, A., pseud. [The damned monks; based on Georgian legends] Užeiktieji vienuoliai, gruzinu liaudies motyvais. Vilnius, VAGA, 1964. 34 p. [In Lithuanian]
- VILDE, EDUARD. [To the cold country, a novel] Kulmale maa, roman. Tallinn, Eesti Riiklik Kirjastus, 1960. 256 p. [In Estonian]
- VOLKOV, A. [Urfin Dziss and his wooden soldiers] Urfin Dziss un vlna koka zaldati. Riga, Latvijas valsts izdevnieciba, 1965. 171 p. [In Latvian]
- VOROB'EV, E. Z. [I have not seen you for ages; tales and stories] Skol'ko let, skol'ko zim; povesti i rasskazy. [Moskva, Sovetskii pisatel', 1964] 597 p. (NNC)
- VOROBKEVYCH, SYDIR. [Selected poems] Vybrani poezii. Kyiv, Radians'kyi pys'mennyk, 1964. 334 p. (InU)
- VVEDENSKAYA, L. A. [Proverbs and sayings in elementary schools; a teachers' manual] Poslovitsy i pogovorki v nachal'noi shkole; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 119 p.
- VYLEOZHANIN, L. M. [Joy to be a man; lyrics] Schast'e - byt' chelovekom; lirika. [Moskva] Molodala gvardia, 1964. 84 p. (TU)
- VYRHAN, IVAN. [Selected works; verse, poems, stories, translations] Vybrani tvory; poezii, poemy, opovidання, peroklady. Kyiv, Dnipro, 1965. 377 p. (CaOTU)
- ZADONSKII, N. A. [Mountains and stars, a documentary historical chronicle] Gory i zvezdy; dokumental'naya istoricheskaya khronika. Moskva, Voen. izd-vo M-Va obor. SSSR, 1965. 468 p.
- ZADORNOV, N. P. [The war for the ocean; a novel] Voyna za okean; roman. [Moskva, Sovetskii pisatel', 1964. 711 p. (NNC)]
- ZAMBERG, ISOL'D. [All days, including Sunday; stories] Vse dni, vkluchaya voskresen'e; rasskazy. Moskva, Sovetskii pisatel', 1964. 381 p. [Published under his pseud. Il'ia Zverov] (MH) (NNC)
- ZAR'IAN, NAIRI. [Verse. Translated from the Armenian, Armenian] Stikhi. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 214 p. (Biblioteka sovetskoi poezii) (NNC)
- ZARITSKII, ALEKSEI. [Heather honey, stories] Vorskovyi med, rasskazy. Minsk, Belarus', 1965. 326 p.
- ZEMAN, KAMIL. [Selected works. Translated from the Czech] Izbrannoe, Moskva, Gos. izd-vo khudozh. lit-ry, 1956. 671 p. [Publ. under his pseud. Ivan Ol'brakht] (MH)
- ZENKEVICH, M. A., tr. [Poets of the 20th century; verse of foreign poets in translation. Translated from the French, English, and Spanish] Poety XX veka, slukhi zarubezhnykh poetov v perevode. Moskva, Progress, 1965. 159 p. (Masters poeticheskogo poevoda, no. 3)
- ZHAROV, A. A. [Flare up like campfires! Verse and songs] Vzvelits' kustami! Stikhi i pesni. [Moskva] Molodala gvardia, 1964. 287 p. (MH) (NIC) (NJP)
- ZVEREV, I. IU. [What's behind the word? Chto zn slovom? Predel. Kornela Chukovakogo. Moskva, Politizdat, 1965. 237 p.
- ZVEREV, I. M. [Mystery of an old fur cap; hunter's stories] Taina starogo malakhala; rasskazy okhotnika, Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 70 p. (TU)
- ZYMANTIENE, JULJA (BENIUSEVICIUTE). [Daughter-in-law] Marii. Vilnius, Vaga, 1964. 46 p. [Publ. under her pseud. Zemaite. In Lithuanian]
- ZYMANTIENE, JULJA (BENIUSEVICIUTE). [Hiding from a storm] Nuo audros palindus. Vilnius, Vaga, 1965. 121 p. [Publ. under her pseud. Zemaite. In Lithuanian]

## 12. GEOGRAPHY & GEOLOGY

- AKADEMIA NAUK KIRGIZSKOI SSR, Frunze, Institut geologii. [New data on the stratigraphy of the Tien Shan] Novee dannye po stratigrafii Tians'-Shania. Frunze, Ilim, 1965. 214 p.
- AKADEMIA NAUK SSSR, Institut etnografii. [Peoples of the European part of the U. S. S. R.] Narody Evropeiskoi chasti SSSR. Pod red. V. N. Beliasor i dr. Moskva, Nauka. Vol. 2. 1964. 917 p. (Narody mira; etnograficheskie ocherki)
- AKADEMIA NAUK SSSR, Institut geografii. [Regionalization of the U. S. S. R. according to the basic factors of erosion] Ratsionirovaniye territorii SSSR po osnovnym faktoram erozii. Moskva, Nauka, 1965. 233 p.
- AKADEMIA NAUK SSSR, Institut geografii. [Western Siberia] Zapadnaya Sibir', Moskva, Izd-vo Akad. nauk SSSR, 1963. 487 p. (DBC)
- AKADEMIA NAUK SSSR, Sibirenskoe otdeleniye, Institut lesa i drevesiny. [Characteristics of swamp formation in some forest and piedmont regions of Siberia and the Far East] Osobennosti bolotobrazovaniya v nekotorykh lesnykh i predgornykh rayonakh Sibiri i Dal'nego Vostoka. Moskva, Nauka, 1965. 181 p.

- AKADEMIYA NAUK SSSR Sibirskoe otdelenie, Sibirskii nauchno-issledovatel'skii institut energetiki. [Formation of underground waters in Western Siberia and their use] Formirovaniye podzemnykh vod Zapadnoi Sibiri i ikh ispol'zovanie. Otd. red. D. I. Abramovich, Novosibirsk, Red. otdel Sibirskogo otdn. AN SSSR, 1965, 87 p.
- AKADEMIYA NAUK TURKMENSKOI SSR, Ashkhabad, Institut geologii. [Problems of the geology of Turkmenia; materials for the 22d International Geological Congress] Voprosy geologii Turkmenii, materialy k XXII Mezhdunarodnomu geologicheskomu kongressu. Ashkhabad, Turkmenское izd-vo, 1965, 242 p.
- AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent, Institut gidrogeologii i inzhenernoi geologii. [Hydrogeological and engineering geological conditions of Uzbekistan] Gidrogeologicheskie i inzhenerno-geologicheskie usloviya Uzbekistana, Tashkent, Nauka UzSSR, Vol. 2, Glav. red. O. K. Lange, 1964, 319 p.
- ARKHANGEL'SKII, A. M., ed. [Physical geography of the U.S.S.R.] Fizicheskaya geografiya SSSR. [By] A. M. Alpat'ev i dr. Moskva, Vysshaya shkola, Pl. 2, [By regions] Regional'naya, 1965, 557 p.
- BASKINA, V. A. [Igneous activity of the Tetyukhe region (southern Maritime Territory) and the characteristics of the development of some volcano-plutonic formations] Magmatizm Tetukhinskogo raiona (Tuzhnoe Primor'e) i zakonomernosti razvitiya nekotorykh vulkano-pluticheskikh formatsii. Moskva, Nauka, 1965, 210 p.
- BURLATSKAYA, S. P. [Archaeomagnetism; a study of the earth's magnetic field in past epochs] Arkeomagnetizm, issledovanie magnitnogo polya Zemli v proshlye epokhi. Moskva, Nauka, 1965, 126 p.
- CHEBANENKO, I. I. [Basic characteristics of the fault tectonics of the earth's crust and its problems] Osnovnye zakonomernosti razlomnoi tektoniki zemnoi kory i ee problemy. Kiev, Izd-vo Akad. nauk URSR, 1963, 152 p.
- DARIENKO, PETRII. [Panoramic view from the notebook of a journalist] V polnyi rost; iz bioknota zhurnalista. [Kishinev, Partizdat TsK KPM, 1963] 110 p. (MH)
- [EARTHQUAKES IN THE U.S.S.R. in 1962] Zemletriaseniya v SSSR v 1962 godu. Moskva, Nauka, 1964, 153 p.
- ELISEEV, N. A., V. G. KUSHEV, and D. P. VINOGRADOV. [Proterozoic intrusive complex in the eastern part of the region of the Sea of Azov] Proterozoiiskii intruzivnyi kompleks vostochnogo Prilazov'ia, Moskva, Nauka, 1965, 203 p. illus.
- FEDINA, A. E. [Physicogeographical regionalization; aid for correspondence school students attending the geographical faculties of state universities] Fiziko-geograficheskoe racionirovaniye; posobie dlia studentov-zaochnikov geograficheskikh fakul'tetov gosudarstvennykh univ. sitetov. Pod red. N. A. Gvozdet'skogo. [Moskva] Izd-vo Mosk. univ., 1965, 140 p.
- FILIPENKO, A. A. [On foreign streets; port cities of Western Europe] Na chuzhikh ulitsakh, portovyye goroda Zapadnoi Evropy. Moskva, Transport, 1965, 229 p.
- GRIVA, ZANIS. [Land and sea] Zeme un jura. Riga, Latvijas valsts izdevnieciba, 1964, 1 v. (chiefly illus.) [In Latvian and Russian] ———. [In German, English, and Swedish]
- ILARIONOV, A. A. [Petrography and mineralogy of ferruginous quartzites in the Mikhaylovskoye deposit of the Kursk Magnetic Anomaly] Petrografiya i mineralogiya zhelezistykh kvartsitov Mikhailovskogo mestorozhdeniya Kurskoi magnitnoi anomalii. Moskva, Nauka, 1965, 162 p.
- [KALUGA; a photographic album. Kaluga; fotoalbom. [Kaluga, Kaluzhskoe knizhnoe izd-vo, 1961] 1 v. (chiefly illus.)
- KOLLOKVITIUM PO MIKROFAUNE I BIOSTRATIGRAFI MAIKOPSKOI TOLSHCHI I EE VOZRASTNYKH ANALOGOV. Ist. Lvov, 1961. [Maikop sediments and their age analogues in the Ukraine and Central Asia; materials] Maikopskie otlozheniya i ikh voznashnoye analogi na Ukraine i v Srednei Azii; materialy. Kiev, Naukova dumka, 1964, 299 p.
- KORINA, N. A., N. S. CHEBOTAREVA, and S. M. SHIK. [Map of Quaternary sediments in the northwestern part of the East European Plain on a 1:2,500,000 scale] Karta chetvertichnykh otlozhenii Severo-Zapada Russkoi ravniny masshtaba 1:2 500 000. Moskva, Izd-vo Akad. nauk SSSR, 1962, 13 p. map (insert)
- KORULIN, D. M. [Geology and minerals of the U.S.S.R.] Geologia i poleznye iskopaemye SSSR. Minsk, Vysshaya shkola, 1965, 310 p.
- KOZACHENKO, V. P. [Horsemen of Chenilma; sketch] Vershnyky Chenilma; narys. Kyiv, Radians'kyl pys'mennyk, 1963, 148 p. (MH)
- KUBLITSKII, G. Volga, Volga... Moskva, Gos. izd-vo Detskoi lit-ry M-va prosv. RSFSR, 1962, 220 p. illus, plates. (NN)
- KUZ'MENKO, M. V., and N. A. AKELIN. [Genesis of subalkaline granitoids and albitites connected with them and the distribution of tantalum and niobium in them] Genesis subshchelochnykh granitoidov i svyazannykh s nimi al'bititov i zakonornosti raspredeleniya v nikh tantal'a i niobia. Moskva, Nauka, 1965, 119 p.
- LEBEDINSKII, V. I., and A. I. SHALIMOV. [Mysteries of minerals] Zagadki zemnykh nedr. Kiev, Naukova dumka, 1965, 161 p. (Nauchno-populiarnaya literatura)
- LENINGRAD, GORNYI INSTITUT. [Concise bibliography on hydrogeology; supplement to the book "Hydrogeologist's handbook"] Kratki ukazatel' literatury po gidrogeologii, prilozhenie k knige "Spisovchnoe rukovodstvo gidrogeologa." Leningrad, Gosizdatkhizdat, 1959, 138 p.
- [LENINGRAD, album of photographs] Leningrad; fotoalbom. [Leningrad] Lenizdat, 1964, 1 v. (chiefly illus.) [In 5 languages]
- LIUBECKIS, M. [From the Elbrus to the Caspian Sea] Nuo Elbruso iki Kaspijos. Vilnius, Vaga, 1964, 221 p. illus. [In Lithuanian]
- MALDAYS, Z. [Underground waters; fundamentals of hydrogeology for the students of agricultural disciplines] Pazemes udens; hidrogeologijas pamati lauksaimniecibas specializatu studentiem. Riga, Latvijas Valsts izdevnieciba, 1964, 235 p. [In Latvian]
- [METHODS OF CHEMICAL ANALYSIS OF MINERAL RAW MATERIALS] Melody khimicheskogo analiza mineral'nogo syr'ia. Moskva, Nedra, No. 8, 1965, 287 p.
- MOSCOW, INSTITUT MINERALOGII, GEOKHIMII I KRISTALLOKHIMII REDKIKH ELEMENTOV. [Experimental methodological studies of ore minerals] Eksperimental'no-metodicheskie issledovaniya rudnykh mineralov. Moskva, Nauka, 1965, 303 p.
- OLENEV, A. M. [The Urals and Novaya Zemlya; a study of nature] Ural i Novaya Zemlia; ocherk prirody. Moskva, Mysl', 1965, 213 p.
- PLESHAKOV, L. P. [Around the world on the "Zaria"] Vokrug sveta s "Zarei." Moskva, Mysl', 1965, 230 p. illus. (Puteshestviya, priklucheniya, fantastika)
- SAAR, ASMU. Aegvildu-Nelljarve, Tallinn, Eesti Riiklik Kirjastus, 1958, 47 p. illus. [In Estonian]
- SAPPIROV, G. N. [Structural geology and geological mapping] Strukturnaya geologia i geologicheskoe kartirovaniye. Moskva, Nedra, 1965, 158 p.
- SOBOLEVA, M. V., and N. D. SOBOLEV. [Brittle chrysotile asbestos] Lemkil khrizotit-asbest. Moskva, Nedra, 1965, 97 p.
- SOVESHCHANIE PO STRATIGRAFI I PALEOGEOGRAFI DEVONA PRIBALTIKI. Vilnius, 1962, [Problems of the Devonian stratigraphy and paleogeography of the Baltic region; reports] Voprosy stratigrafi i paleogeografii devona Pribaltiki; [doklady]. Pod red. V. N. Karafalule-Tailmaa i V. V. Narbutasa, Vilnius, Mintis, 1934, 145 p.
- SOVETSKAYA ANTARKTICHESKAYA EKSPEDITSIIA, 1955- [Transactions of the Soviet Antarctic Expedition, 1955-] Trudy, Leningrad, Morskoi transport. Vol. 35, [Fifth Continental Expedition, 1960, materials on geomagnetic observations and observations of earth currents] Platala kontinental'naia ekspeditsiia, 1960, materialy geomagnitnykh nabludenii i nabludenii za zemnymi tokami. Pod red. P. K. Sen'ko, 1963, 378 p.
- SOKOLOVSKII, I. L., and N. G. VOLKOV. [Methods for the stage-by-stage study of recent tectonics, based on a study of the southwestern part of the Russian Platform] Metodika postapnogo izucheniya neotektoniki; na primere lugo-zapada Russkoi platformy. K VII kongressu Mezhdunarodnoi assotsiatsii po izucheniiu chetvertichnogo perioda (INQUA). Kiev, Naukova dumka, 1965, 132 p.
- [STUDY OF THE GEOLOGY OF THE U.S.S.R.] Geologicheskaya izuchennost' SSSR, Kiev, Naukova dumka, Vol. 33, [Ukrainian S.S.R.; the Crimea, Period 1951-1955] Ukrainianska SSR; Krymskaia oblast', Period 1951-1955, No. 1, [Published literature] Opublikovannyye raboty, 1965, 68 p.
- [STUDY OF THE GEOLOGY OF THE U.S.S.R.] Geologicheskaya izuchennost' SSSR, Erevan, Izd-vo Akad. nauk Armanianskoi SSR, Vol. 48, [Armenian S.S.R.; period 1941-1950] Armanianska SSR; period 1941-1950, No. 1, [Published works] Opublikovannyye raboty, 1954, 157 p.
- SUCHKOV, N. I. [There where the Irrawaddy flows] Tam, gde techet Iravadi. Moskva, Mysl', 1965, 101 p. (Puteshestviya, priklucheniya)
- [TRACK ON EARTH, sketches of Tuva Journalists] Sled na zemli; ocherki zhurnalistov Tuvy. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1964, 53 p. (CS-II)
- VORONTSOV, E. A. [Yalta; a guidebook and directory] Ialta; putevoditel'-spravochnik. Simferopol', Izd-vo "Krym," 1965, 126 p. illus.
- VSESOIUZNOE LITOLOGICHESKOE SOVESHCHANIE. 5th, Novosibirsk, [Sedimentary formations of Siberia; transactions] Osadochnyye formatsii Sibiri; trudy, Novosibirsk, Red. -izd. otdel Sibirskogo old-nila AN SSSR, Vol. 2, 1964, 162 p.
- ZIEMELIS, V. Dobeie. Riga, Latvishoe gos. izd-vo, 1960, 142 p.

## 13. SCIENCE

- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut botaniki. [Trees and shrubs of Azerbaijan] Dereva i kustarniki Azerbaidzhana, Baku, Vol. 2, [Fagaceae - Platanaceae, The beech family - the plane-tree family] Fagaceae - Platanaceae, Bukovo - Platanovyye. 1964, 220 p. [In Azerbaidzhan]
- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut zoologii. [Hydrobiological and ichthyological studies in the southern Caspian Sea and inland bodies of water of Azerbaijan] Oidrobiologicheskie i ikhtologicheskie issledovaniya na Juzhnom Kaspi i vnutor-nikh vodoevakh Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965, 168 p.
- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku, Sektor fiziologii. [Problems of internal reception and physiologically active substances] Voprosy vnutornei retseptatsii i fiziologicheski aktivnykh veshchestv. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965, 126 p.
- AKADEMIYA NAUK SSSR. Nauchnyi sovet po problemam tsitologii. [Electron and fluorescence microscopy of the cell] Elektronnaia i fluoresentsnaya mikroskopiya kletki. Moskva, Nauka, 1964, 163 p. illus.
- AKADEMIYA NAUK SSSR. Ob'edinennyi nauchnyi sovet "Fiziologiya cheloveka i zhivotnykh." [Complex behavior forms] Slozhnyye formy povedeniya. Moskva, Nauka, 1965, 232 p.



- AKADEMIA NAUK SSSR. Ob'edineniyi nauchnyi sovet "Fiziologiya cheloveka i zhivotnykh." [Problems of modern neurophysiology.] Problemy sovremennoy ntirofiziologii. Moskva, Nauka, 1965. 132 p.
- AKADEMIA NAUK TURKMENSKOI SSR, Ashkhabad Institut zoologii i parazitologii. Sektor entomologii. [Insects of the lower Margab Valley (southeastern Turkmenia), fauna, ecology, economic significance.] Nasechomye nizovoi Margaba (Tugo-Vostochnaya Turkmenia), fauna, ekologiya, khoziaistvennoe znachenie. Ashkhabad, Turkmenское izd-vo, 1965. 145 p.
- AKHMETOV, N. S. [Chemical bond. Formation and structure of molecules.] Khimicheskaya svyaz'. Obrazovanie i struktura molekuly. Kazan', Kazanskii khimiko-tekhnologicheskii in-t, 1964. 60 p. (Ucheno-metodicheskie materialy po kursu neorganicheskoi khimii) [MICROFILM]
- AKMUSHKIN, I. I. [Where to? And how? Kuda? I kak? Moskva, Mysl', 1965. 262 p. (Rasskazy o prirode)]
- ANTONOV, I. G., and others. [Mathematical models of excitation.] Matematicheskie modeli vozбудheniya. Kiev, Naukova dumka, 1965. 140 p. (Seriya po novoi tekhnike)
- BARAKOV, I. M. [Theory of vibrations.] Teoriya kolebaniy. Izd. 2., perer. Moskva, Nauka, 1965. 559 p.
- BARANISEV, R. G. [Lectures on transonic gas dynamics.] Lektsii po transzvukovoi gazodinamike. [Moskva] Izd-vo Leningr. univ., 1965. 215 p.
- BAZURIN, R. G. [Space studies and the development of science.] Kosmicheskoe issledovanie i razvitiye nauki. Moskva, Znanie, 1965. 45 p. (Novoe v zhizni, nauke, tekhnike, IX Seriya: Fizika, matematika, astronomiya, no. 9)
- BIOKHMICHESKAYA KONFERENTSIYA PRIBALTITSKIKH RESPUBLIK I BELORUSII, VOVSOSHCHENNAIA 20-LETNIA LATVIJSKOI, LITOVSKOI, ESTONSKOI SOVETSKIKH SOTSIALISTICHESKIKH RESPUBLIK. Ist. 1960. [Abstracts of reports of the First Biochemical Conference of the Baltic Republics and White Russia Dedicated to the 20th Anniversary of the Latvian, Lithuanian and Estonian Soviet Socialist Republics. Tezisy dokladov.] Redaktory E. E. Martinson, L. A. Tshkhepyld. Tartu, Tartuskii gos. univ. ESSR, 1960. 165 p. [MICROFILM]
- BROMLEY, G. F. [Bears in the south of the Far East of the U.S.S.R.] Medvedei juga Dal'nego Vostoka SSSR. Moskva, Nauka, 1965. 118 p.
- BULYGIN, I. A. [Coupling and receptor functions of vegetative ganglia.] Zamykatel'naya i retseptornaya funktsii vegetativnykh gangliov. Minsk, Nauka i tekhnika, 1964. 225 p.
- BYKOV, B. A. [Dominant plants of the plant cover of the Soviet Union.] Dominantnyye rastitel'nogo pokrova Sovetskogo Soyuza. Alma-Ata, Nauka. Vol. 3. 1965. 460 p.
- CHEKMAREV, I. A. F., and B. A. TULINOV. [Arithmetic for normal schools.] Aritmetika dlia pedagogicheskikh uchilishtch. Izd. 8. Moskva, Prosveshchenie, 1965. 302 p.
- [CHEMISTRY OF RUTHENIUM] Khimiya rutentia. [By] O. E. Zvaghintsav i dr. Moskva, Nauka, 1965. 299 p.
- CHURICHEV, I. P. [Human physiology.] Fiziologiya cheloveka. 2. izd., ispr. i dop. Moskva, Meditsina, 1965. 463 p.
- CHUL'SKII, L. A. [Stability in nature.] Ustoychivost' v prirode. Moskva, Izd-vo "Znanie," 1965. 93 p. (Narodnyi universitet kultury: Estestvenno-nauchnyi fakul'tet, no. 7)
- DAGYS, JONAS, PETRAS BLUZMANAS, and ALBINAS PUTRUMAS. [Laboratory exercises in plant physiology.] Avagali fiziologijos laboratoriniai darbai. Vilnius, Leidykla "Mintis," 1965. 308 p. [in Lithuanian]
- DANILIN, V. P. [Gyroscopic instruments.] Giroskopicheskie pribory. Moskva, Vysshaya shkola, 1965. 538 p.
- DRUTMAN, Z. S. [Structure of molecules.] Stroenie molekuly. [L'vov] Izd-vo L'vovskogo univ., 1962. 213 p.
- FALIN, L. I. [Histology of the nervous system, textbook.] Gistologiya nervnoi sistemy, uchebnoe posobie. Moskva, Mosk. med. stomatologicheskii in-t, 1964. 51 p.
- GALOIAN, A. A. [Some problems of the biochemistry of hypothalamic regulation.] Nekotorye problemy biokhimii gipotalamicheskoi regulatsii. Erevan, Arastan, 1965. 234 p.
- GEL'FAND, I. M., E. G. GLAGOLEVA, and E. E. SHNOL'. [Functions and graphs (fundamental methods).] Funktsii i grafiki (osnovnye piny). Moskva, Nauka, 1965. 94 p. (Biblioteka fiziko-matematicheskoi shkoly. Matematika, no. 2)
- GENKEL', P. A., and L. V. KUDRIASHOV. [Botany, a teachers' manual.] Botanika, posobie dlia uchitelei. Izd. 3., perer. i dop. Moskva, Prosveshchenie, 1964. 694 p.
- GRODZINSKII, D. M. [Natural radioactivity of plants and soils.] Estestvennaya radioaktivnost' rastenii i pochv. Kiev, Naukova dumka, 1965. 215 p.
- GUR'FINKEL', V. S., I. A. M. KOTS, and M. L. SHIK. [Regulation of human posture.] Regulatsiya pozitsii cheloveka. Moskva, Nauka, 1965. 255 p.
- GUSEL'NIKOV, V. I. [Electrophysiological study of analyzer systems in the phylogeny of vertebrates.] Elektrofiziolgicheskoe issledovanie analizatornykh sistem v filogeneze poznochnykh. [Moskva] Izd-vo Mosk. univ., 1965. 260 p.
- IARBUS, A. L. [Role of eye movements in the process of vision.] Rol' dvizhenii glaz v protsesse zreniya. Moskva, Nauka, 1965. 165 p.
- KHALMATOV, KH. KH. [Wild medicinal plants of Uzbekistan.] Dikorasushchie lekarstvennye rastenila Uzbekistana. Tashkent, Izd-vo "Meditsina" UzSSR, 1964. 270 p.
- KHODAKOV, I. V. [General and inorganic chemistry; a textbook for teachers.] Obshchaya i neorganicheskaya khimiya, posobie dlia uchitelei. Izd. 3., perer. Moskva, Prosveshchenie, 1965. 710 p.
- KHUKHUNAISHVILI, P. I. [Some problems of the physiology of the liver.] Nekotorye voprosy fiziologii pecheni. Tbilisi, Izd-vo "Tsosna," 1964. 108 p.
- KIPRIANOV, A. I. [Introduction to the electron theory of organic compounds.] Vvedenie v elektronnyu teoriiu organicheskikh soedinenii. Kiev, Naukova dumka, 1965. 177 p.
- KISHINEV. MOLDAVSKII INSTITUT EPIDEMIOLOGII, MIKROBIOLOGII I GIGIENY. [Problems of the biology of micro-organisms and applied immunology, transactions of the 4th scientific session on 15-17 October, 1963.] Voprosy biologii mikroorganizmov i prikladnoi immunologii; trudy IV nauchnoi sessii 15-17 oktiabria 1963 g. Kishinov, 1963. 146 p.
- KITOV, A. I., and N. A. KRITSKII. [Electronic computers.] Elektronnnye vychislitel'nye mashiny. Izd. 2., perer. i dop. Moskva, Nauka, 1965. 174 p. (Nauchno-populiarnaya seriya)
- KOCHEROV, N. P., A. A. RIMSKII-KORSAKOV, and A. V. RIMSKII-KORSAKOV, comps. [English-Russian acoustical dictionary.] Anglo-russkii akusticheskii slovar'. Pod red. A. V. Rimskogo-Korsakova. Moskva, Sovetskaya Entsiklopediya, 1965. 387 p.
- KOLOSOV, A. M., N. P. LAVROV, and S. P. NAUMOV. [Biology of commercial animals of the U.S.S.R.] Biologiya promyslovyykh zveroi SSSR. [Perer. i znachitel'no dopol. Izd.] Moskva, Vysshaya shkola, 1965. 608 p.
- KONIKOVA, A. S., and M. G. KRITSMAN. [Pathways of protein synthesis.] Puti sinteza belka. Moskva, Meditsina, 1965. 357 p.
- KRASNUSHKIN, P. E., and N. A. IABLOCHKIN. [Theory of the propagation of ultralong waves.] Teoriya rasprostraneniya svetodlinnykh voln. Izd. 2., stoizolpnoe. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 93 p. (Tudy Gosudarstvennogo Soluznogo nauchno-issledovatel'skogo instituta, no. 4(12))
- KREIN, M. G. [Lectures on the theory of stability of the solution of differential equations in a Banach space.] Lektsii po teorii ustoychivosti reshenii differentsial'nykh uravnenii v banakhovom prostranstve (otredaktirovannye i dopolnennye I. L. Daletskim. Kiev, Akad. nauk USSR, In-t matematiki, 1964. 186 p.
- LAPSHIN, M. I. [Special chapters of physical chemistry, abstracts of lectures.] Shtetsial'nye glavy fizicheskoi khimii, konspekt lektsii. Moskva, Mosk. energ. in-t. Pt. 1. Red. A. A. Gromoglasov. 1959. 76 p. Pt. 2. 1960. 106 p. [MICROFILM]
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Biologijas Instituta. [Photosynthesis and the productivity of plants.] Fotosintez i produktivnost' rastenii. Riga, Izd-vo "Zinatne," 1965. 112 p.
- LAVRENT'EV, M. A., and B. V. SHADAT. [Methods in the theory of functions of complex variables.] Metody teorii funktsii kompleksnogo peremennogo. Izd. 3., ispr. Moskva, Nauka, 1965. 716 p.
- LENINGRAD. UNIVERSITET. [Chemistry of solids.] Khimiya tverdogo tela. [Leningrad] 1965. 229 p.
- [LITERATURE IN THE LANGUAGES OF THE ASIAN AND AFRICAN COUNTRIES, an annotated catalog of current acquisitions (physical and mathematical, natural, and technical sciences), 1962-1963.] Literatura naazykakh stran Azii i Afriki; annotirovannyi katalog novykh postuplenii (fiziko-matematicheskie, estestvennye i tekhnicheskie nauki), 1962-1963. Leningrad, Biblioteka Akad. nauk SSSR, 1965. 47 p.
- MATHEMATICAL TABLES PROJECT. [Tables of spherical Bessel functions. Translated from the English.] Tablitsy sfericheskikh funktsii Bessela. Obshchaya tablitsa i perevod teksta s angliiskogo E. A. Chistovoi i K. S. Il'ina. Moskva, Vychislitel'nyi tsentr AN SSSR, v. 1. (Biblioteka matematicheskikh tablits) (PS)
- MIKELADZE, SH. E. [Solution of numerical equations.] Reshenie chislennykh uravnenii. Tbilisi, Metsnerieba, 1965. 270 p.
- MOSCOW. GOSUDARSTVENNYI ZAOCHNYI PEDAGOGICHESKII INSTITUT. [Test problems in the mathematical sciences, for correspondent students who have graduated from a teachers' institute.] Sbornik kontrol'nykh rabot po matematicheskim dissiplinam, dlia studentov-zaochnikov, okonchivshikh uchitel'skii institut. Moskva, Uchpedgiz, 1965. 2 v.
- MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Creators of a second nature; a recommended list of literature.] Sozdатели vtoroi prirody, rekomendatsionnyi sbor literatury. Moskva, Kniga, 1965. 25 p. (Ludi bol'shoi khimii i khimicheskoi nauki, no. 3)
- NAUMOV, N. P., and V. D. IL'ICHEV. [Acoustic repellents and their use.] Akusticheskie repelleny i ikh primeneniye. [Moskva] Izd-vo Mosk. univ., 1965. 46 p. (Nauchno-populiarnaya literatura)
- [NEW PROBLEMS IN PHYSICS; collection of articles] Noveye problemy fiziki; sbornik statei. Moskva, Znanie, 1965. 51 p. (Novoe v zhizni, nauke, tekhnike, IX Seriya: Fizika, matematika, astronomiya, no. 11)
- OCHAN, I. S. [Methods in mathematical physics.] Metody matematicheskoi fiziki. Moskva, Vysshaya shkola, 1965. 383 p.
- PEREGUDOV, V. N. [Method of least squares and its use in research.] Metod naimen'shikh kvadratov i ego primeneniye v issledovaniakh. Moskva, Statistika, 1965. 339 p.
- PETROVSKII, I. G. [Lectures on the theory of integral equations.] Lektsii po teorii integral'nykh uravnenii. Izd. 3., ispr. Moskva, Nauka, Glav. red. fiziko-matem. lit-ry, 1965. 127 p.

- POKROVSKI, A. A. [Talks about nutrition] Besedy o pitanii. Moskva, Ekonomika, 1964. 286 p.
- PONTIAGIN, L. S. [Ordinary differential equations] Obikhnovnyye differentsial'nye uravneniya. Izd. 2., porer. Moskva, Nauka, 1965. 331 p.
- [PROBLEMS OF MOLECULAR BIOLOGY. Participants in the discussion: G. P. Georgiev and others] Problemy molekulyarnoi biologii. V besede uchastvuyut G. P. Georgiev i dr. Moskva, Znanie, 1965. 63 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya Biologiya i meditsina, no. 10)
- [PROSPECTS FOR THE SYNTHESIS OF TRANSURANUM ELEMENTS. Ninth discussion. Participants in the discussion: G. N. Plerov and others] Perspektivy sinteza transuranovykh elementov. Beseda devyatala. V besede uchastvuyut: G. N. Plerov i dr. Moskva, Znanie, 1965. 39 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya Fizika, matematika, astronomiya, no. 10)
- RUTMAN, L. M. [Pocket multiplication and division tables] Kyshen'kovy tablytsy mnozheniya i deleniya. Kyiv, Tekhnika, 1965. 157 p.
- RYBCHENKO, O. I. [Cytoembryology of the nightshade family] Tsytoembriologiya i odyny paslonovykh. Kyiv, Naukova dumka, 1965. 158 p.
- SARATOV, POLITEKHNICHESKII INSTITUT. [Abstract of lectures on mathematical analysis. 1. Introduction to analysis. 2. Differentiation] Konspekt lektsii po matematicheskomu analizu: I. Vvedenie v analiz. II. Differentsirovaniye. Lektsii sost. I. S. Tarasov. Saratov, 1963. 101 p.
- SHCHETKIN, I. U. L. [Higher Lepidoptera of the sands of the Vakhsh Valley, Rhopalocera and Heterocera] Vysshie cheshuekiyye peskov Vakhshskoi doliny; Lepidoptera: Rhopalocera i Heterocera. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1965. 192 p.
- SOBECKA, Z., and others, eds. [Chemical dictionary in 4 languages: English-German-Polish-Russian] Khimicheskiy slovar' na 4 yazykakh: anglijsko-nemetskopol'sko-russkom. Pri uchastii G. Stiven i T. Stiven (Oxford). Warsaw, Wydawnictwa naukowo-techniczne, [1962] 724 p.
- SOVESHCHANIYE PO POLIPLLOIDII, 1963. [Polyploidy and breeding, transactions] Poliploidii i seloktsiya, trudy. Moskva, Nauka, 1965. 322 p.
- STANIUKOVICH, K. P. [The gravitational field and elementary particles] Gravitatsionnoye pole i elementarnyye chastytsey. Moskva, Nauka, 1965. 310 p.
- TAUBE, P. R., G. S. AKKHURINA, and A. N. GAVRILOV-SKII. [Laboratory work in general chemistry] Praktikum po obshchei khimii. Izd. 2., porer. Moskva, Vysshaya shkola, 1962. 266 p.
- TOMILIN, A. G. [History of a blind sperm whale] Istoriya slopogo kashalota. Moskva, Nauka, 1965. 189 p. (Nauchno-populjarnaya seriya)
- TSEDRIK, M. S., and others. [Textbook on physics for persons entering schools of higher education] Posobie po fizike dlya postupavshchikh v vuzy. Pod obshchei red. M. S. Tsedrika. Minsk, Vysshaya shkola, 1965. 278 p.
- TSYBYK, B. I. [Guide to the identification of the wood of tree species of the western provinces of the Ukrainian S.S.R. (based on macroscopic indices)] Opredeletel' drevesiny drevosnykh porod zapadnykh oblastei USSR (po makroskopicheskim priznakam). [L'viv] Izd-vo L'vovskogo univ., 1963. 62 p.
- VAITKEVICIUS, A., and V. SKUODIS. [Bird migration, based on the data of birdbanding in Lithuania from 1920 till 1959] Porolet ptits; po dannym kol'tsevaniya v Litve s 1920 g. po 1959 g. Vil'nius, Mintis, 1965. 193 p.
- VAYILOV, V. S. [Semiconductors and radiation] Poluprovodniki i izlucheniya. Moskva, Znanie, 1965. 31 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya Fizika, matematika, astronomiya, no. 12)
- VENKSTERN, T. V., and A. A. BAEV. [Absorption spectra of minor bases, their nucleosides, nucleotides, and some other oligoribonucleosides] Spekti y pogloshcheniya minornykh osnovaniy, ikh nukleozidov, nukleotidov i nekotorykh oligoribonukleotidov. Moskva, Nauka, 1965. 45 p.
- VIAL'TSEV, A. N. [Discrete space-time] Diskretnoe prostranstvo-vremya. Moskva, Nauka, 1965. 397 p.
- VITEL'S, L. A. [Monthly, seasonal, and annual characteristics of the barometric circulation regime of the European natural synoptic region, 1900-1964] Meslachnye, sezonnyye i godovyye kharakteristiki bariko-tsirkulatsionnogo rezhima evropejskogo estestvennogo sinopticheskogo raiona 1900-1964 gg. Leningrad, Gidrometeoizdat, 1965. 127 p.
- VLADIMIROV, G. E., and N. S. PANTELEVA. [Functional biochemistry. Selected chapters: Respiratory function of the blood, biochemistry of the muscles and the brain] Funktsional'naya biokhimiya, izbrannyye glavy. Dykhatel'naya funktsiya krovi, biokhimiya myshits i mozga. [Leningrad] Izd-vo Leningr. univ., 1965. 240 p.
- VSEOSIUZNAIA KONFERENTSIYA PO TEORII FUNKTSII KOMPLEKSNOGO PEREMENNOGO 7th. [Abstracts of reports of the 7th All-Union Conference on the Theory of Functions of Complex Variables] Tezisy dokladov. Rostov-na-Donu, Rostovskii gos. univ., 1964. 191 p.
- VSEOSIUZNAIA NAUCHNO-TEKHNIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ПРИМЕНЕНИЮ РАДИОАКТИВНЫХ И СТАБИЛЬНЫХ ИЗОТОПОВ И ИЗЛУЧЕНИИ В НАРОДНОМ ХОЗЯЙСТВЕ I НАУКЕ. 2d, Moscow, 1967. [Isotopes and radiation in chemistry, transactions] Izotopy i izlucheniya v khimii; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1958. 380 p.
- VSEOSIUZNOE FIZIOLOGICHESKOE OISHCHESTVO IMENI I. P. PAVLOVA. [Problems of contemporary physiology. Twelfth discussion. Participants in the discussion: E. A. Astratian and others] Problemy sovremennoi fiziologii. Beseda dvenadtsataya. V besede uchastvuyut: E. A. Astratian i dr. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya Biologiya i meditsina, no. 11)
- VSEOSIUZNOE GIDROBIOLOGICHESKOE OISHCHESTVO. [Change in the biological complexes of the Caspian Sea during the last decades] Izmeneniye biologicheskikh kompleksov Kaspijskogo moria za poslednie desyatiletiya. Moskva, Nauka, 1965. 255 p.
- YOVITS, M. C., ed. [Self-organizing systems. Translated from the English] Samoorganizuyushchiesya sistemy. Moskva, Mir, 1964. 434 p. (CSimor)
- ZAICA, V. E. [Parasites of fishes in Lake Baikal] Parazitofauna ryb ozera Baikal. Moskva, Nauka, 1965. 105 p.
- ZAITSEVA, G. N. [Biochemistry of Azotolactor] Biokhimiya azotobaktera. Moskva, Nauka, 1965. 302 p.
- ZBARSII, D. I., I. I. IVANOV, and S. R. MARDASHEV. [Biological chemistry] Biologicheskaya khimiya. 4, izd., ispr. i dop. [Leningrad] Meditsina, 1965. 519 p.
- ZIBENGAR, L. A. [Descriptive geometry, abstract of lectures] Nacheritatel'naya geometriya; konspekt lektsii. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1963. 67 p.

#### 14. MEDICINE

- AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Terminologicheskii komitet. [Dictionary of terms for dermatological and venereological diseases] Slovar' terminov po kozhnym i venericheskim boleznam. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 79 p. [In Russian and Azerbaijani]
- AKADEMIA MEDITSINSKIH NAUK SSSR, Moscow. [Methodological problems of present-day medicine] Metodologicheskie problemy sovremennoi meditsiny. Pod red. G. I. Tsaregorodtseva. Moskva, Meditsina, 1965. 277 p. (DNLM)

- AKADEMIA MEDITSINSKIH NAUK SSSR, Moscow. Institut eksperimental'noi meditsiny. [Problems of medical genetics] Problemy meditsinskoi genetiki. Pod red. D. A. Biriukova. [Leningrad] Meditsina, 1965. 246 p. (DNLM)
- AKADEMIA MEDITSINSKIH NAUK SSSR, Moscow. Institut normal'noi patologicheskoi fiziologii. [Physiology and pathology of blood circulation, materials of the conference held Dec. 19-21, 1962] Fiziologiya i patologiya krovoobrashcheniya, materialy konferentsii (19-21 dekabrja 1962 g.). Pod red. V. V. Parina. Moskva, 1962. 161 p. (DNLM PHOTOCOPY)
- ALEKSANDROV, N. M., A. V. KLEMENTOV, and V. A. MALYSHEV. [Emergency stomatological aid] Neotlozhnaya stomatologicheskaya pomoshch'. [Leningrad] Meditsina, 1965. 116 p. (Biblioteka prakticheskogo vracha) (DNLM)
- AL'PERN, D. E. [Pathological physiology] Patologicheskaya fiziologiya. Izd. 6., izmenennoe i dop. Moskva, Meditsina, 1965. 433 p. (DNLM)
- ARKHANGEL'SKII, G. V. [History of neurology from its beginning to the 20th century] Istoriya nevrologii ot istokov do XX veka. Moskva, Meditsina, 1965. 430 p.
- BAZHENOVA, A. P., and V. V. GORODILOVA. [Malignant tumors] Zlokachestvennyye opukholi. Moskva, Izd-vo "Znanie," 1965. 47 p. (Narodnyi universitet; Fakul'tet zdorov'ia, no. 12)
- DOMBROVSKAYA, I. U. F., ed. [Current problems of the physiology and pathology of childhood] Sovremennyye problemy fiziologii i patologii detskogo vozrasta. Red. kollegiya: R. L. Gamburg i dr. Moskva, Meditsina, 1965. 317 p. (DNLM)
- GIERADZE, T. A. [Bronchi and blood vessels of the lung] Bronkhi i krovenosnyye sosudy legkogo. Tbilisi, Metsnereba, 1964. 255 p. (DNLM)
- GOLIGORSKII, S. D. [Studies on urological semiotics and diagnosis] Ocherki urologicheskoi semiotiki i diagnostiki. Izd. 3., dop. Kishinev, Karla moldoveniaske, 1965. 222 p. illus. (DNLM)
- GRANAT, L. N., and V. V. IVANOVA. [For the young mother] Molodoi materi. Moskva, Meditsina, 1965. 34 p. (Nauchno-populjarnaya meditsinskaya literatura) (DNLM)
- GUKASIAN, A. G. [Internal diseases] Vnutrennie bolezni. Izd. 5., ispr. i dop. Moskva, Meditsina, 1965. 523 p. (DNLM)
- IUREVICH, V. M., and A. S. PEREL'MUTR. [Anesthesia and anesthetic apparatus] Narkoz i narkoznyye apparaty. Moskva, Meditsina, 1965. 219 p. (Biblioteka prakticheskogo vracha) (DNLM)
- KALIUZHNAYA-LUKASHOVA, G. M. [Combined use of staphylococcal anatoxin and antibiotics in suppurative septic processes] Kombinirovannoe primeneniye stafillokokkovogo anatokaina i antibiotikov pri gnoino-septicheskikh protsessakh. Moskva, Meditsina, 1965. 73 p. (Biblioteka prakticheskogo vracha) (DNLM)
- KAPLAN, A. V. [Fundamentals of traumatology at an elderly age] Osnovy travmatologii pozhilogo vozrasta. Moskva, Meditsina, 1965. 250 p. (Biblioteka prakticheskogo vracha) (DNLM)
- KASSIRSKI, I. A., ed. [Therapist's handbook] Spravochnik terapevta. Izd. 2., ispr. i dop. Moskva, Meditsina, 1965. 863 p. (DNLM)
- KHASENOV, A. N. [Kumys and its therapeutic properties] Kumys i ego lechenyye svoystva. Alma-Ata, Kazgostizdat, 1961. 39 p. (DNLM MICROFILM)

- KHOPMOV, B. M. [Cancer radiation-caused lesions] *Prilozheniye k izdaniyu "Otschety o razvitiye i razresheniye"* Leningrad, Meditsina, 1955, 341 p. (DNLM)
- KIEV, MEDITSYNYI INSTITUTE. [Studies on the history of the medical education and the scientific medical schools in the USSR] *Otschety o razvitiye i razresheniye* Meditsinskikh shkoly v Ukraine. Pod red. V. D. Bratskaya i dr. Kiev, Zdrav'ya, 1955, 263 p.
- KLINCHIKOV, V. P. [Current problems in the conservative treatment of tooth caries] *Aktual'nye voprosy konservativnogo lecheniya tekhnicheskogo zoba*. Moskva, Meditsina, 1955, 156 p. (DNLM)
- KOLTSHEBENKO, Z. P., and P. N. KHANINA. [Manual for the surgical ward clinic] *Rukovodstvo dlya vrachev khirurgicheskoy kliniki*. Pod red. N. S. Timofeeva. [Leningrad] Meditsina, 1955, 82 p. (DNLM)
- KORNIKOV, P. M. [Immunology of isoenzymes and isoenzymes] *Immunologia izoenzimov i izoenzimov*. Moskva, Meditsina, 1955, 311 p. (DNLM)
- KUPCHENAS, JUOZAS, and JONAS KUZMA. [Tuberculosis] *Tuberculosis*. Vilnius, Mintis, 1954, 209 p. [In Lithuanian] (DNLM)
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. *Organiskas sintezes instituta*. [Cyclophosphane] *TSKlofostan, shornik slatel*. Riga, Izd-vo "Zinatne", 1955, 267 p. (DNLM)
- LUKOMSKI, G. I., and V. A. SPASESKAYA. [Atlas of bronchoscopies] *Atlas bronchoskopii*. Moskva, Izdatel'skoe Upravleniye Meditsinskoj, 1955, 88 p. (DNLM)
- MAIZEL, E. P. [Clinical aspects and therapy of female sterility] *Klinika i terapiya besplodnaya zhenshchiny*. [Leningrad] Meditsina, 1955, 150 p. (DNLM)
- MANUKIAN, R. S. [Materials on the study of surgical aspects of avitaminosis C] *Materialy k izucheniyu khirurgicheskoy kliniki avitaminozno C*. Baku, Azerbaidzhanское gos. izd-vo, 1955, 118 p. (DNLM)
- MOLCHANOV, N. S. [Acute pneumonias] *Ostrye pnevmonii*. [Leningrad] Meditsina, 1955, 206 p. (DNLM)
- NAISHTUT, G. M. [Clinical instrumental examinations in cardiac insufficiency] *Kliniko-instrumental'nye issledovaniya pri serdetsnoy nedostatochnosti*. Pod red. L. P. Pressmana. Moskva, Meditsina, 1955, 69 p. (DNLM)
- NEIDMAN, L. V. [Hearing function in hard-of-hearing and deaf-mute children] *Sukhovaya funktsiya u tugougikh i gluhosemykh detey*. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1951, 359 p. (DCC)
- NOTKIN, E. L. [Statistics in hygiene research] *Statistika v gigenicheskikh issledovaniyakh*. Pod red. A. M. Merkova. Moskva, Meditsina, 1955, 272 p. (DNLM)
- OGANESIAN, L. A. [Correlation between the mental and somatic spheres in the clinical aspects of internal diseases] *O vzaimootnosheniakh mezhduraznitsy psikhicheskoy i somaticheskoy sferami v klinike vnutrennikh bolezney*. Erevan, Izd-vo Akad. nauk Armianskoy SSR, 1951, 463 p. (DNLM)
- OYOSHCHNIKOV, M. S. [New apparatus and methods of roentgenological examination] *Novye apparaty i metody rentgenologicheskogo issledovaniya*. Kiev, Gosmedizdat USSR, 1952, 329 p. (DNLM)
- PLANETTES, KH. KH., and A. M. KHARITONOVA. [Side effects in the antibiotic therapy of bacterial infections] *Pobochnye yavleniya pri antibiotikoterapii bakterial'nykh infektsiy*. [Izd. 2, perer. i dop.] Moskva, Meditsina, 1955, 429 p. (DNLM)
- PORKSHEIAN, O. KH. [Medicolegal expertise in railroad accidents] *Sudebno-meditsinskaya ekspertiza pri zheleznodorozhnykh protsessakh*. Moskva, Meditsina, 1955, 150 p.
- [PREPARED DRUGS, a manual for physicians] *Gotovye lekarstvennye preparaty, spiyachnik dlya vrachev*. Moskva, Meditsina, 1955, 228 p. (DNLM)
- RABINOVICH, M. G. [Modern methods of treatment and the prevention of eye diseases] *Sovremennyye metody lecheniya i profilaktika glaznykh bolezney*. Moskva, Znanie, 1955, 47 p. [Narodnyi universitet; Fakul'tet zdorov'ya, no. 9]
- REPUBLIKINE MOKSLINE-MEDICINE STOMATOLOGU DRAUGIA. [Diseases of the oral cavity and their prophylaxis] *Burnos ertmes organu susizgimai ir ju profilaktika*. Vilnius, Leidykla "Mintis", 1955, 30 p. [In Lithuanian] (DNLM)
- S'EZD OF TALMOLOGOV UKRAINS'KOI SSR. 4th. Odesa, 1952. [Transactions of the 4th Congress of Ophthalmologists of the Ukrainian S.S.R.] *Trudy*. Kiev, Zdrav'ya, 1954, 624 p. (DNLM)
- SISAKIAN, N. M., ed. [Second group space flight and some results of the Soviet astronauts' flights on "Vostok" ships, scientific results of medical and biological research conducted during the second group space flight] *Vtoroi gruppovoi kosmicheskii polet i nekotorye itogi poletov sovetskikh kosmonavtov na korabliakh "Vostok"*, nauchnye rezultaty mediko-biologicheskikh issledovaniy, provedennykh vo vremya vtorogo gruppovogo kosmicheskogo poleta. [Mosva] Nauka, [1955] 277 p. (Mediko-biologicheskie issledovaniya)
- STEPONAITIENE, LIUDMILA, and PETRAS BAUBLYS. [The child grows] *Vaikas auga*. Vilnius, Leidykla "Mintis", 1955, 253 p. [In Lithuanian] (DNLM)
- SUBS, R., ed. [Gynecology] *Ginekologija*. [By] A. Ebel and citi. Riga, Liesma, 1955, 180 p. [In Latvian] (DNLM)
- SUKHAREV, V. I., and others. [Physical therapy, massage and exercise therapy] *Fizioterapiya, massazh i lechebnaya fizkul'tura*. Pod red. V. I. Sukhareva. Moskva, Meditsina, 1955, 298 p. (DNLM)
- TARTU, ULIKOOL. *Teaduslik Raamatukogu*. [Dissertations presented to the Medical Faculty of Tartu University, 1892-1917; bibliography] *Tartu ulikooli arstiteaduskonnas 1892-1917 kaitsitud valterkirjad; bibliograafia*. Tartu, Tartu Riiklik Ulikool, 1955, 56 p. [In Estonian, Russian and German]
- TEODORI, M. I. [Chronic septic endocarditis (endocarditis septica lenta)] *Zalazhnoi septicheskoj endokardit (Endocarditis septica lenta)*. Moskva, Meditsina, 1955, 282 p. (Biblioteka prakticheskogo vracha) (DNLM)
- [TOXOPLASMOSES, epidemiology, clinical aspects, treatment and prevention] *Toxoplazmoz; epidemiologiya, klinika, terapiya i profilaktika*. [By] L. K. Korovitskiy i dr. Kiev, Gosmedizdat USSR, 1952, 187 p. (Biblioteka prakticheskogo vracha) (DNLM)
- TSYBUL'SKII, B. A., and V. I. SKOTNIKOV, comps. [Combined use of contrast media in the X-ray diagnosis of abdominal tumors, methodological manual] *Kombinirovannoe kontrastirovaniye v rentgenodiyagnostike opykhoel brisushnoi polosti; metodicheskoe posobie*. Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii in-t, 1954, 75 p. (DNLM)
- UZHGOROD, UNIVERSITY TET. [Current problems of obstetrics and gynecology, abstracts of a report and communications to the Interuniversity Scientific and Practical Conference of Obstetricians-Gynecologists] *Aktual'nye voprosy akusherstva i ginekologii, tezisy dokladov i soobshcheniya k Mezhdunarodnoi nauchno-prakticheskoi konferentsii akusherov-ginekologov*. Pod red. I. N. Krombeza. Uzhgorod, 1955, 336 p. (DNLM)
- VASIL'EV, IU. M., ed. [Biology of malignant growth] *Biologiya zlokachestvennogo rasta*. Moskva, Nauka, 1955, 254 p. (Osnovy molekulyarnoi biologii) (DNLM)
- VASIL'EVA, V. E. [What gymnastics and massage give us] *Chto daet gimnastika i massazh*. Moskva, Znanie, 1955, 31 p. [Narodnyi universitet; Fakul'tet zdorov'ya, no. 11]
- VITKUS, MECYS. [Plastic skin surgery] *Chirurgiya plastiki*. Vilnius, Mintis, 1955, 234 p. [In Lithuanian] (DNLM)
- VORONEZH, GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Some problems of the theory and practice of medical science in the seven-year plan of the national economy of the U.S.S.R.; material of a philosophy seminar] *Nekotorye voprosy teorii i praktiki meditsinskoi nauki v semiletnei plane razvitiya narodnogo khozaystva SSSR; material filozofskogo seminar'a*. Voronezh, Izd-vo Voronezhskogo univ., 1950, 20 p. (DNLM MICROFILM)
- ZENEVICH, G. V., and S. F. LITVIN. [Psychotherapy of alcoholism] *Psikhoterapiya alkogolizma*. [Leningrad] Meditsina, 1955, 146 p. (Biblioteka prakticheskogo vracha) (DNLM)
- ZHUSLIN, S. G. [Studies on clinical psychiatry; clinical pathogenetic relations of dependency] *Ocherki klinicheskoi psikiatrii, kliniko-patogeneticheskie zavisimosti*. Moskva, Meditsina, 1955, 319 p. (DNLM)
- ZLOTNIK, E. I. [Hemostasis and controlled arterial hypotension in cerebral surgery] *Gemostaz i upravlyaniya arterial'naya gipotonizatsiya v mozgovoy khirurgii*. Minsk, Izd-vo "Belarus", 1955, 130 p. (DNLM)
- ZORINA, L. A. [Clinical aspects, diagnosis, treatment and prevention of lead poisoning] *Klinika, diagnostika, lechenie i profilaktika svintsovykh otravlenii*. Moskva, Meditsina, 1955, 68 p. (Biblioteka prakticheskogo vracha) (DNLM)

## 15. AGRICULTURE

- AKADEMIJA NAUK AZERBAIDZHANSKOI SSR, Baku. *Terminologicheskii komitet*. [Dictionary of terms used in animal husbandry] *Slavar terminov po zhivotnovodstvu*. Baku, Izd-vo Akad. nauk Azerbaidzhanekoi SSR, 1955, 69 p. [In Russian and Azerbaijani]
- AKADEMIJA NAUK SSSR. *Sibirskoe otdelenie. Institut tsitologii i genetiki*. [Where to buy breeding stock in the Altai] *Gde kupit' plodnomykh skot na Altai*. Barnaul, Altai'skoe knizhnoe izd-vo, 1951, 234 p. illus. (DNAL MICROFILM)
- AKADEMIJA NAUK URSS. Kiev. *Botanichnyi sad*. [Acclimatization and introduction of new plants] *Aklimatizatsiya i introduktsiya novykh roslyn*. Kiev, Naukova dumka, 1955, 221 p. (DNAL)
- AKADEMIJA NAUK URSS. Kiev. *Institut fiziologii roslyn i agrokhimii*. [Photosynthesis and crop yields] *Fotosintez i produktivnost' rastenii*. Kiev, Naukova dumka, 1955, 280 p. (DNAL)
- ALIEV, S. V. [Injurious owl moths in Azerbaijan] *Azerbajchanyan zerezli sovkalary*. Baku, Azerbajchan SSR Elmier Akademijasy Nəşriyyatı, 1954, 76 p. [In Azerbaijani] (DNAL)

- AMBROSOV, A. L. [Virus diseases of potatoes and methods for growing healthy tubers] Virusnye bolezni kartofella i metody vyrashchivaniya zdorovykh klubnei. Pod red. N. A. Dorozhkina. Minsk, Urozhai, 1964. 198 p. (DNAL)
- DVORETSKII, M. L. [Current wood increment of individual trees and stands] Tekushchiy prirost drevessiny stvola i drevostoin. Moskva, Lesnaya promyshlennost', 1964. 1 v. (DNAL)
- DZASOKHOV, G. S. [Diagnosis of the protozoan diseases of animals] Diagnostika protozoynykh boleznei zhivotnykh. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 415 p. (NIC)
- [EFFICIENT USE OF THE LAND] Ratsional'noe ispol'zovanie zemli. Moskva, Sel'khozizdat, 1962. 262 p. (DNAL)
- FEDOROV, A. L., and N. V. EGOROV. [Raising working dogs; a manual] Sluzhebnoe sokakovodstvo, rukovodstvo. Tashkent, Gos. izd-vo UzSSR, 1964. 173 p. (CY)
- FRIDMAN, A. L. [External factors affecting fishing equipment; lectures on the course "The theory and design of commercial fishing equipment"] Vneshnie faktory, deystvuyushchie na rybolovnye orudiya, teksty po kursu "Teoriya i proektirovaniye orudiya promyshlennogo rybolovstva." [Kalininograd] Kaliningradskoe knizhnoe izd-vo, 1964. 31 p.
- [FRUITS OF THE LAND; sketches on the virgin lands] Khleb-sol'; ocherki o tselino. Alma-Ata, Kazgostizdat, 1964. 320 p. (DNAL)
- GLINKIN, N. M., K. G. KOVALEV, and B. V. RUDNEV. [Technical production cards on growing flowering plants outdoors and under glass] Proizvodstvenno-tekhnologicheskie karty po vyrashchivaniyu tsvetnykh rastenii otkrytogo i zakrytogo grunta. Moskva, Stroiizdat. Pt. 1. [Under glass] Zakrytyi grunt. 1965. 167 p. (DNAL)
- IVANOV, B. G. [Present state of world shrimp fisheries] Sovremennoe sostoyaniye mirovogo promysla krevetok. Moskva, Plachhevaia promyshlennost', 1964. 132 p.
- IVLEV, A. M. [Soils of Sakhalin] Pochvy Sakhalina. Moskva, Nauka, 1965. 113 p.
- KAIMANOV, I. I. [Soils in the piedmont of the northwestern Altai and their use in agriculture] Pochvy predgor'ii Severo-Zapadnogo Altaya i ikh ispol'zovanie v sel'skom khoziaistvo. Moskva, Nauka, 1965. 157 p. (DNAL)
- KARPENKO, A. N., and A. A. ZELENIEV. [Agricultural machinery] Sel'skokhoziaistvennye mashiny. Moskva, Kolos, 1965. 398 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii) (DNAL)
- KRIPATIS, A. [More attention to flax farming] Daugiau domesio linininkystei. Vilnius, Ledykla "Mintis," 1965. 80 p. [In Lithuanian] (DNAL)
- LYSOGOROV, S. D. [Irrigation farming] Orosheniye zemledeliya. Izd. 2., perer. Moskva, Kolos, 1965. 454 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii) (DNAL)
- [MECHANICAL MILKING OF COWS] Govju mehanizeta slauksana. Riga, Liesma, 1965. 194 p. [In Latvian] (DNAL)
- MIKHAILOV, T. K. [Main parasites of fishes grown on the fish farms of Azerbaijan and their control measures] Azerbaydzhanyan balyqyotlshdirmesi tasekrutafarynda balyqlaryn bashlycha parazitleri ve onlaryn garshy mubarize tedbirleri. Baky, Azerbaycan SSR Elmler Akademiyasy Neshriyaty, 1965. 45 p. [In Azerbaijani]
- MIRIMANIAN, KH. P. [Soil science] Pochvovedeniye. Moskva, Kolos, 1965. 343 p. map. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
- NAFTALIEV, N. IA. [Growing vegetables on irrigated land is profitable to the collective farm] Vyrashchivaniye ovoshchei na polnykh zemlyakh vygodno kollektivu. Kishnev, Kartia molodoi nashe, 1965. 41 p. (DNAL)
- [NUT TREES IN TAJIKISTAN] Orekhoplodnye v Tadjikistane. [By] Z. M. Galvoronskaya i dr. Dushanbe, Izd-vo AN Tadjikskoi SSR, 1965. 100 p. illus. (DNAL)
- OREKHOVA, M. M. [Poultry diseases (protozoan)] Betezni domashnikh ptits (protozoyny) Minsk, Urozhai, 1964. 43 p. (DNAL)
- PECHATNIKOV, B. M., and E. F. GOSSEN. [New agricultural machinery for erosion control and its adjustment] Protivoerozionalnaya tekhnika i ee regulirovka. Tselinograd, Red. izd-va "Kolos" po tselinym ralonam, 1964. 22 p. (DNAL MICROFILM)
- PLOKHINSKII, N. A. [Heritability] Nasleduemost'. Otv. red. Z. S. Nikoro. [Novosibirsk] Red. izd. otdel Sibirskogo otd-niya AN SSSR, 1964. 193 p. (DNAL)
- POBEDINSKII, A. V. [Principal yield cuttings] Rubki glavnogo pol'zovaniya. Izd. 2., perer. i dop. Moskva, Lesnaya promyshlennost', 1964. 207 p. (DNAL)
- PRIANISHNIKOV, D. N. [Chemicalization of agriculture and proper crop rotations] O khimizatsii zemledeliya i pravil'nykh sevooborotakh. Moskva, Izd-vo "Znanie," 1965. 45 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 11)
- RABOCHEV, I. S. [Improvement of salinized soils in the middle Amu-Dar'ya, Ashkhabad, Turkmeneskoe izd-vo, 1964. 254 p.
- RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Gosudarstvennaya inspeksiya po karantinu i zaschite rastenii. Tsentral'naya laboratoriya po kuantitativno rastenii. [Pests, diseases, and weeds discovered in imported vegetable cargoes. All-Union report for the period 1937 through 1959] Vrediteli, bolezni i sornaki, obnaruzhennyye v importnykh rastitel'nykh gruzakh. Vsesoiuznaya svodka s 1937 po 1959 g. Moskva, Kolos, 1964. 613 p. (DNAL MICROFILM)
- SEDOV, V. V. [Floodplain vegetation of Zeravshan Valley and the ways for its reconstruction] Poimennaya rastitel'nost' doliny Zeravshana i puti ee rekonstruktsii. Samarkand-Nukus, Izd-vo Uzbekskogo gos. univ., 1959. 78 p. (DNAL MICROFILM)
- SHEVTSOV, A. A. [Veterinary parasitology] Veterinarnaya parazitologiya. Moskva, Kolos, 1965. 414 p. (Uchebniki i uchebnye posobia dlia sel'skokhoziaistvennykh tekhnikumov) (DNAL)
- STARAYA KUPAVNA. TSENTRAL'NAYA NAUCHNO-ISLEDOVATELSKAYA SPANTSIA PO SEL'SKOKHOZIAISTVENNOMU ISPOL'ZOVANIJU STOCHNYKH VOD. [Bibliography on the natural methods of the purification of waste waters and their use in agriculture] Bibliografiya po estestvennym sposobam oshchistki stochnykh vod i ispol'zovaniyu ikh v sel'skom khoziaistve. Sost. A. I. Lvovich. Moskva, 1964. 79 p.
- STRUNNIKOV, V. A. [Mechanized selection of the breeding cocoons of mulberry silkworms] Mekhanizirovannyi obor plemennykh kokonov tutovogo shelkopriada. Tashkent, Nauchno-issl. in-t shelkovodstva, 1960. 51 p. (DNAL MICROFILM)
- [SUGAR BEETS] Sakharinata svekla. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 60 p. (Pereodovol opyt v sel'skom khoziaistve Kubani) (DNAL MICROFILM)
- TOME, M. F., and E. A. NOVIKOV. [General zootechnology] Bendori zootehnika. Vilnius, Ledykla "Mintis," 1965. 466 p. [In Lithuanian] (DNAL)
- VSESOIUZNAYA KONFERENTSIYA PO BIOLOGICHESKI AKTIVNYM VESICHESTVAM PLODOV I YAGOD, 1961, Sverdlovsk, 1960. [Transactions of the First All-Union Conference on the Biologically Active Substances of Fruits and Berries] Trudy. Sverdlovsk, 1961. 280 p. (DNAL MICROFILM)
- VSESOIUZNOE ENTOMOLOGICHESKOE OBSHCHESTVO. Kirgizskoe otdeleniye. [Collection of entomological papers] Sbornik entomologicheskikh rabot. Frunze, Izd-vo "Ilim," 1965. 137 p.
- ZAITSYEV, B. D. [Soil science] Pochvovedeniye. 2. izd. Moskva, Lesnaya promyshlennost', 1965. 367 p.
- ZHITOMIR (Province). Sil'skokhospodars'ka doslidna stantseia. [International material on mineral fertilizers, poisonous and chemical substances used in animal husbandry] Dovidkovyi material po mineral'nykh dobrykh, otrukhimikalakh ta khimichnykh rechovykh, sheho zastosovuiutsia v tsvarynytsivli. Zhytomyr, 1964. 106 p. (DNAL MICROFILM)
- ZHURAVLEV, V. A., and F. N. KHASHKO. [Basis of crop yields] Nachalo urozhaiya. Moskva, Izd-vo "Znanie," 1965. 45 p. (Novoe v zhizni, nauke, tekhnike. X Seriya: Molodezhnaya, no. 6)

## 18. TECHNOLOGY

- ADAMTS, V. KH. [Theory of gas turbines for jet engines] Teoriya gazovykh turbin reaktivnykh dvigatelov. Izd. 2., perer. i dop. Moskva, Mashinostroeniye, 1965. 310 p.
- AGAP'EVA, G. M. [Improvement of motor fuels by the introduction of additives] Uluchsheniye motornykh topliv vvedeniem priaddok. Moskva, Tekhnika, 1964. 54 p. (Obzor inostrannykh patentov)
- AGEIKIN, D. I., E. N. KOSTINA, and N. N. KUZNETSOVA. [Regulation and control transducers; reference materials] Datchiki kontrolya i regulirovaniya; spravochnyye materialy. 2., perer. i dop. izd. Moskva, Mashinostroeniye, 1965. 928 p.
- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Terminologicheskiy komitet. [Dictionary of photography and cinematography terminology] Slovar fotograficheskikh i kinematograficheskikh terminov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 109 p. [In Russian and Azerbaijani]
- AKADEMIYA NAUK SSSR, Institut geologii rudnykh mestorozhdenii, petrologii, mineralogii i geokhimit. [Geology of lead-zinc deposits in the Kansay ore zone] Geologiya svynsovo-tsinkovykh mestorozhdenii Kansayskogo rudnogo polya. Moskva, Nauka, 1965. 200 p.
- AKADEMIYA NAUK SSSR, Institut nauchnoi informatsii. [Extrudee drilling down to the upper mantle, 1962-1963] O burenii sverkhglubokikh skvazhin na verkhniyu mantiyu Zemli, 1962-1963. Moskva, 1964. 104 p. (Itogi nauki)
- AKADEMIYA NAUK SSSR, Nauchnyi sovet po rudobrazovaniyu. [Geology of piners] Geologiya rospayci. Moskva, Nauka, 1965. 399 p.
- AKADEMIYA NAUK SSSR, Sibirskoe otdeleniye. [Development of mineral deposits] Razrabotka mestorozhdenii poleznykh iskopaemykh. Novosibirsk, Red. izd. otdel Sibirskogo otd-niya AN SSSR, 1964. 227 p.
- AKADEMIYA NAUK URSS, Kiev. Fiziko-mekhanichnyi Institut. [Direct current measuring converters] Izmeritel'nye preobrazovateli postoiannogo toka. Pod red. L. A. Sinitskogo. Kiev, Naukova dumka, 1965. 373 p.
- AKADEMIYA NAUK URSS, Kiev. Institut mekhanizma. [Operating processes in turbo-machines and the stability of their elements] Rabochie protsessy v turbomashinakh i prochnost' ikh elementov. Kiev, Naukova dumka, 1965. 172 p.
- ALEKSEEV, S. K. [Calculation of optimum alternatives in multiple stage amplifiers] Raschet optimal'nykh variantov mnogostadiynykh usilitel'nykh. Moskva, Energita, 1965. 190 p.

- IANSKII, L. M. [Laboratory manual on the equipment and mechanization of the clothing industry] Laboratornyi praktikum po oborudovaniyu i mekhanizatsii shveynogo proizvodstva. Moskva, Legkaya industriya, 1965 88 p.
- IMA-ATA, KAZAKHISKII POLITEKHNIICHESKII INSTITUT. [Full treatment of complex metal ores, transaction of the All-Union Scientific and Technical Conference held in December 1962] Kompleksnaya pererabotka polimetalicheskogo syr'ya; trudy Vsesoiuznoi nauchno-tekhnicheskoi konferentsii, dekabr' 1962 g. Moskva, Metallurgiya, 1965. 423 p.
- IBRAZAS, CESLOVAS. [The story of a plant] Ganyklos istorija. Vilnius, Laidykla "Mintis," 1965. 64 p. [In Lithuanian]
- IELIN, A. S., and V. F. EPIFANTSEV. [Pocket handbook for a driver] Karmannyi spravochnik shofera. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1959. 463 p.
- ISTASIEV, P. I., and I. A. FROLOV. [Construction and erection of 3-10 kv power transmission lines, erection operations] Sooruzhenie i montazh linii 3-10 kv, montazhnye raboty. Moskva, Energiya, 1965 47 p. (Biblioteka elektromontera, no 155)
- NDREEV, A. A. [Standard plan of a hydrotysis-yeast plant with a yearly capacity of 28,000 tons of dry yeast] Tipovoi proekt gidrolitno-drozhzhevogo zavoda moshchnosti 28 tysyach tonn sukhikh drozhdzhei v god. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tseluluzno-papirnoy, derevobrabatывaushchei promyshli, i lesnomu khoz., 1964. 26 p. (Gidroliz i lesokhimiya) [MICROFILM]
- NDRONOV, V. P., and V. A. GOLOVIN. [Production of intermediate products of precious metals and alloys, a handbook] Proizvodstvo polufabrikatov iz dragotsennykh metallov i splavov, spravochnoe rukovodstvo. Pod red. E. A. Marenkova. [Moskva] Metallurgiya, 1965. 403 p.
- TEINS, ALEKSIS. [Molding materials, mixtures and their testing] Formšanas materiāli, maisījumi un to pārbaudes. Rīga, Latvijas Valsts izdevniecība, 1965. 75 p. [In Latvian]
- UTOMATION OF PRODUCTION PROCESSES AND INDUSTRIAL ELECTRONICS; an encyclopedia of modern technology] Avtomatizatsiya proizvodstva i promyshlennaya elektronika, entsiklopediya sovremennoi tekhniki. Glav. red. A. I. Berg. I. V. A. Trapeznikov. Moskva, Sovetskaya Entsiklopediya. (Entsiklopedii, slovari, spravochniki) Vol. 4. Telekomandovanie - IACHEKI standartnye. 1965. 543 p.
- AGIROV, A. I. [Production of tea in the Azerbaijan S.S.R.] Proizvodstvo chaya v Azerbaidzhanskoi SSR. Baku, Azerneshr, 1964. 228 p.
- IBUTAIEV, K. B., D. M. MURADOV, and I. U. USMANOV. [Use of solar energy in the national economy] Kuesh energiasidan khalk khuzhaliqla foidalanish. Toshkent, "Khalq Uzbekiston," "Pravda Vostoka" va "Uzbekiston Surkhi," 1964. 40 p. (Uzbekiston SSR "Dilini" zhamilati, no. 2) [In Uzbek]
- ANNIKOVA, L. A., and I. N. PIATNITSYNA. [Rapid methods of bacteriological analysis of milk and dairy products] Uskorennyye metody bakteriologicheskogo kontrolya moloka i molochnykh produktov. Moskva, Pishchevaya promyshlennost', 1965. 35 p.
- RIEV, N. V. [Protective ground for electric mine equipment] Zashchitnoe zamezhenie shakhtnogo elektrooborudovaniya. Moskva, Nedra, 1965. 73 p.
- RKAN, S. M., Z. S. SOKOLOVA, and L. V. SHUFOVA. [Characteristics of the technology for the making of rindless cheese] Osobennosti tekhnologii proizvodstva beskorokovykh syrov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshli., 1964. 38 p. [MICROFILM]
- UMAN, V. A., ed. [Construction machinery, a reference manual] Stroitel'nye mashiny, spravochnik. Izd. 3., perer. i dop. Moskva, Mashinostroyeniye, 1965. 788 p.
- BELIAVSKII, V. F. [Design of magnetic semiconductor elements for automatic control and computer technology; a manual] Proektirovaniye magnitopoluprovodnikovykh elementov avtomatiki i vychislitel'noi tekhniki; uchebnoe posobie. Moskva, Mosk. in-t inzhenerov zhelezn. dor. transp., 1964. 78 p. [MICROFILM]
- BELOUSETS, B. M. [Safety measures in foundry practice] Bezopasnost' truda v litennom proizvodstve. Moskva, Mashinostroyeniye, 1965. 102 p.
- BELOUSSKII AVTOMOBIL'NYI ZAVOD. [Catalog of spare parts for the BelAZ-540 dump truck] Katalog zapasnykh chastei avtomobilia samosvala BelAZ-540. Moskva, Mashinostroyeniye, 1965. 283 p.
- BELVI, V. A., A. I. SVIRIDENOK, and S. V. SHCHERBAKOV. [Plastic gear transmissions] Zubchatye peredachi iz plastmass. Minsk, Nauka i tekhnika, 1965. 247 p.
- BENDEROVA, V. N. [A track on the earth, a documentary tale] Sled na zemle, dokumental'naya povest'. [Moskva] Molodaya gvardiya, 1965. 186 p.
- BERENFELDS, VALDIS VILIS D. [Form grinding] Profilshlifesana. Riga, Liesma, 1965. 91 p. (Jauna stradinieka biblioteka) [In Latvian]
- BEREZKIN, P. N., ed. [Mechanization and automation in welding, practices of Ural plants] Mekhanizatsiya i avtomatizatsiya svarosnogo proizvodstva, opyt uralskikh zavodov. Moskva, Mashinostroyeniye, 1965. 165 p.
- BERNSHTEIN, L. A. [New developments in the technology of working and transporting raw materials in the cement industry] Novoe v tekhnologii pererabotki i transportirovaniya syr'ya v tsementnoi promyshlennosti. Moskva, Stroizdat, 1965. 191 p.
- BEZUKHOV, N. I. [Examples and problems in the theory of elasticity, plasticity and creep of materials] Primery i zadachi po teorii uprugosti, plastichnosti i polzuchestii. Moskva, Vysshaya shkola, 1965. 319 p.
- BLIZ, N. G., L. A. GLEIZER, and V. T. PANFILOV. [Pneumatic systems for automobiles] Avtomobil'nye pnevmaticheskie pribory. Moskva, Voenizdat, 1965. 148 p.
- BONDARENKO, P. S. [Automation of continuous line systems] Avtomatizatsiya sistem potochnogo transporta. Moskva, Energiya, 1965. 103 p. (Biblioteka po avtomatike, no. 132)
- BORSICHOV, T. S. [Earthmoving machinery, the organization and technology of earthwork] Zemleroi-nyye mashiny, organizatsiya i tekhnologiya zemlennykh rabot. Izd. 2., perer. i dop. Leningrad, Koles, 1965. 356 p.
- BRENEV, I. V. [Invention of the radio by A. S. Popov] Izobretenie radio A. S. Popovym. Moskva, Sovetskoe radio, 1965. 111 p.
- BRYLEEVA, A. M. [Rail track circuits in railroad transportation; a summary of lectures] Rel'sovye tsepi na zheleznodorozhnom transporte; konspekt lektsii. Moskva, Mosk. in-t inzhenerov zhelezn. dor. transp., 1963. 154 p. [MICROFILM]
- DUKICOL'TS, V. P. [Circuit track pickups for automatic control in rail transportation] Putevye datchiki avtomaticheskogo kontrolya na rel'sovom transporte. Moskva, Energiya, 1965. 70 p. (Biblioteka po avtomatike, no. 137)
- BUKOVSKII, P. I. [Cellulolytic enzymes of barley and malt] TShlokhicheskie fermenty iachmenia i sodeta. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshli., 1964. 21 p. (Tekhnicheskaya informatsiya) [MICROFILM]
- BUTKOV, P. P. [Operation and repair of service station pumps] Eksploataatsiya i remont zapravochnykh kolonok. Leningrad, Nedra, 1964. 202 p.
- BUTOVICH, V. M. [Machine harvesting of cotton and its first processing, review of foreign patents] Mashinnyi sbor khlopka i ego pervelutnaya obrabotka, obzor inostrannykh patentov. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovaniy, 1964. 31 p. [MICROFILM]
- BUTT, I. U. M. [Technology of cement and other binding materials] Tekhnologiya tsementa i drugikh vlyazhu-shchikh materialov. Izd. 4., perer. i dop. Moskva, Stroiizdat, 1964. 351 p.
- [CANNED AND PRESERVED FISH PRODUCTS] Konservy i preservy rybnogo. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1965. 375 p. (SSSR, Gosudarstvennye standarty)
- CHEPIK, M. N., and B. S. KHRISTOFOROV. [Laboratory analyst of lead-zinc plants] Laborant-analitik svintsovo-tsinkovykh zavodov. [Moskva] Metallurgiya, 1965. 112 p.
- CHERKASOV, V. N. [Fire prevention in electrical systems in rural areas] Pozharnaya profilaktika elektrostanovok v set'koi mestnosti. Izd. 2., perer. i dop. Moskva, Stroizdat, 1964. 142 p.
- CHIZHIKOV, I. U. M. [Processes of working steels and alloys by pressure] Protseesy obrabotki davleniem legirovannykh staloi i splavov. [Moskva] Metallurgiya, 1965. 499 p.
- CHUPAKHIN, N. M., and F. I. RUOMETSKIN. [Installation and repair of refrigerating plants] Montazh i remont khlodil'nykh ustanoek. Moskva, Gosstorgizdat, 1961. 340 p.
- DADIOMOV, M. S. [Control of lighting networks] Upravleniye osvetitel'nymi set'kami. Moskva, Energiya, 1965. 77 p. (Biblioteka elektromontera, no. 159)
- DANILEVICH, I. A. B., V. V. DOMBROVSKII, and E. I. A. KAZOVSKII. [Parameters of a.c. machines] Parametry elektricheskikh mashin peremennogo toka. Moskva, Nauka, 1965. 338 p.
- DASOIAN, M. A., V. V. NOVODEREZHNIK, and F. F. TOMASHEVSKII. [Manufacture of storage batteries] Proizvodstvo elektricheskikh akkumulyatorov. Pod red. M. A. Dasoiana. Moskva, Vysshaya shkola, 1965. 411 p.
- DAVIDOVICH, S. M. [Design and working principles of tractors and automobiles] Ustroistvo traktorov i avtomobilov. 2., perer. i dop. Leningrad, Koles, 1965. 510 p.
- DAVYDOV, S. A., and V. K. RUBTSOV. [Multiple-row blasting] Mnogorядное взрывание. Moskva, Nedra, 1965. 94 p.
- DEMIDOVICH, B. K., V. I. KHANTIL', and V. I. DEREZOVSKII. [Improvement of the technology of lime production in rotary kilns] Sovershenstvovanie tekhnologii proizvodstva izvesti vo vrashchalushchikh pechakh. Minsk, Izd-vo "Belarus'" 1964. 34 p. [MICROFILM]
- DIEV, N. P., S. A. VERMINICHEV, and A. S. PEN'KO. [Reverberatory smelting of copper concentrates, manual for schools and courses for foremen] Otrazhatel'naya plavka mednykh konsentratov; posobie dlia shkol i kursov masterov. Izd. 2., perer. i dop. [Moskva] Metallurgiya, 1965. 280 p.
- DMITRIEV, L. M. [New equipment for the preliminary processing of molded polymeric materials; review of foreign patents on the basic branches of the industry] Novoe oborudovanie dlia predvaritel'noi obrabotki formuemykh polimernykh materialov; obzor inostrannykh patentov po osnovnym otaslam promyshlennosti. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovaniy, 1963. 34 p. [MICROFILM]
- DOLGORUKOV, I. U. A. [Technical progress in the refractorious industry] Tekhnicheskii progress v ognestoykim proizvodstve. Moskva, Metallurgiya, 1965. 102 p.
- DONSKOI, A. V., ed. [High frequency electrothermy; a handbook] Vysokochastotnaya elektrottermiya; spravochnik. Moskva, Mashinostroyeniye, 1965. 564 p.

SSING OF BROWN IRON ORES] Obogashchenie rnykh zheleznyakov. [By] V. T. Baitshpolskiy i dr. Moskva, Nedra, 1965. 201 p.

YNIN, N. G. [Drawing ore in underground mining] ypusk rudy pri podzemnoi razrabotke. Pod red. I. Agosheva. Moskva, Nedra, 1965. 266 p.

IN, I. L., M. L. BOGDANOV, and G. K. KICHAIEVA [Long term planning of timber for coal mines] Perspektivnoe planirovaniye lesomaterialov na ugod'nykh khtakh. Syktyvkar, Komi knizhnoe izd-vo, 1964. 1 p.

ECTRICAL MEASURING DEVICES] Elektrolizmeri- i nye pribory. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 432 p. (SSSR. Gosudarstvennyye standarty)

IPMENT USED IN THE REMOVAL OF DUST IN NES; an album] Oborudovaniye, primenyaemoe pri mpleksnom obespechivanii rudnikov i shakht, Al'bom. Moskva, Nedra, 1964. 309 p.

IOV, B. V., and M. V. ZALETAIEV. [ZIL-130 motor- ucks; basic model and its modifications. Album of olortruck designs] Gruzovyye avtomobili ZIL-130; novnaya model' i ee modifikatsii. Al'bom konstruk- ti avtomobilei. Moskva, Kolos, 1965. 50 p.

IUSTIN, N. D. [Selecting optimal variants of thick- alled structures; handbook] Vybory optimal'nykh antantov tolstostennyykh konstruktov; spravochnoe osobie. Moskva, Mashinostroyeniye, 1965. 81 p.

ROALLOYS] Ferrosplavy. Izd. ofitsial'noe. Mo- va, Izd-vo Standartov, 1965. 134 p. (SSSR. Gosu- rstvennyye standarty)

LKOV, A. S. [Forming the structure and properties f carbon and graphite materials] Formirovaniye truktury i svoystv uglegrafitovykh materialov. Moskva Metallurgiya, 1965. 287 p.

LKINA, G. V., and E. K. SIDOROVA. [Production and use of starch products with a high degree of sweetness] Polucheniye i ispol'zovaniye produktov yskol'steponi slastosti iz krakhmala. Moskva, Sentr. in-t nauchno-tekhn. informatsii pishchevoi romyshli, 1964. 33 p.

[MICROFILM]

Z, S. N., M. S. EMEL'IANOV, and V. D. PARKHO- ENKO. [Plastics in the instrument industry] Plast- asy v apparatostroyenii. Khar'kov, Izd-vo Khar'kov- ogo univ., 1963. 198 p.

CIATULLIN, A. M. [50 drilling rigs a year] 50 burovyykh v god. Ufa, Bashkirskoe knizhnoe zd-vo, 1964. 30 p. (Malaki promyshlennosti Bashkiri)

[MICROFILM]

RASIMENKO, I. N. [Welding of corrosion-resistant petroleum apparatus] Svarka korrozionno-ustoičhivoy nefteapparatury. Moskva, Nedra, 1965. 136 p.

ZBURG, S. A., I. A. LEKHMAN, and V. S. MALOV. Principles of automatic and remote control] Osnovy avtomatiki i telemekhaniki. Pod obshchey red. S. A. Zhinzburga. Izd. 3., perer. Moskva, Energiya, 1965. 311 p.

SHEN, P. I. [Mechanization of fabric cleaning in textile manufacture] Mekhanizatsiya chistki tkan v tekstil'nom proizvodstve. Moskva, Legkaya Industriya, 1965. 77 p.

EMBOTSII, V. A., and G. A. BEKHTE. [Flotation of iron ores] Flotatsiya zheleznykh rud. Moskva, Nedra, 1964. 222 p.

RBATKIN, B. I. [Miner of a mechanized working face in vertical shaft sinking by special methods] Prokhod- zhik mekhanizirovannogo zaboia pri prokhodke vertikal'nykh stvolov spetsial'nymi sposobami. Moskva, Stroizdat, 1964. 195 p.

EBATOV, V. M., and I. A. LAGOSHIA. [Handbook on the equipment of meat industry enterprises] Spravochnik po oborudovaniyu predpriyatiy miasnoi promyshlennosti. Moskva, Pishchevaia promyshlennost'. Vol. 1. 1965. 678 p.

GORDIUKHIN, A. I. [Operation of gas systems and equipment] Eksploataatsiya gazovykh setei i uslanovok. Izd. 2., pereizd. Moskva, Stroizdat, 1965. 326 p.

GOELOV, L. K. [Geometrical characteristics of plane cross sections: Theory and problems; a methodological manual on the strength of materials] Geometricheskie kharakteristiki ploskikh sечenii: Teoriya i zadachi; uchebno-metodicheskoe posobie po soprotivleniyu materialov. Moskva, Mosk. stankoinstrumental'nyi in-t, 1964. 36 p.

[MICROFILM]

GORENSHTEIN, M. M., I. Z. TSILEVICH, and M. M. MEZHIAUROV. [Lightweight rolled sections] Obleg- chennyye profil'nyye prokata. Kiev, Gostekhizdat USSR, 1963. 137 p.

GOROKHOV, P. K., comp. [Russian-German radio engineering dictionary] Russko-nemetskii radiotekhnicheskii slovar'. Izd. 2., ispr. Moskva, Sovetskaya Entsiklopediya, 1965. 405 p.

[GRADE AND HIGH-GRADE STEELS; rolled sections and shapes and calibrated steel] Stal' i cheshchennaya i vysokokachestvennaya; sortovoi i fasonnii prokat i kalibrovannaya stal'. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 209 p.

GREISUKH, M. V., and L. N. KUTOVOL. [Electric power supply for coal and ore mines] Elektrosnabzheniye ugod'nykh i rudnykh shakht. Moskva, Nedra, 1965. 359 p.

GROSHKOV, A. I. [Fundamentals of the mechanization and automation of technological processes in the manufacture of airplanes] Osnovy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov v samoletostroyenii. Moskva, Mashinostroyeniye, 1965. 347 p.

GRUSHMAN, R. P. [What the worker engaged in heat insulation should know] Chto nuzhno znat' teploizolirovshchiku. 2. Izd., perer. i dop. Leningrad, Stroizdat, 1965. 111 p.

GUREVICH, D. F. [Design and construction of pipe fittings] Raschet i konstruirovaniye truboprovodnoi armatury. Izd. 3., perer. i dop. Moskva, Mashinostroyeniye, 1964. 331 p.

HONTA, Z. T., and T. T. HONTA. [Petroleum wealth of the Ukraine] Naftovi bohatstva Ukrainy. Kyiv, Derzhizhivdav URSR, 1962. 105 p. (Naukovo-popul'arna biblioteka)

IGNATOVICH, A. M. [New type crawler belts; a textbook for students specializing in construction and transportation machinery] Gusenichnye lentyy novogo tipa; uchebnoe posobie dlya studentov spetsial'nosti SM. Moskva, Vses. nauchnyi in-t inzhenerov zheldor. transp., 1963. 113 p.

[MICROFILM]

IL'IN, R. N. [Work of a television cameraman] Rabota operatora na televidenii. Moskva, Vses. gos. in-t kinematografii, 1964. 67 p.

[MICROFILM]

IL'INSKII, A. V. [Electric motors and starters used in geological prospecting] Elektrodvigateli i puskovaya apparatura, ispol'zuemye na geologorazvedochnykh rabotakh. Moskva, Nedra, 1965. 88 p.

[INTERNAL COMBUSTION ENGINES AND GAS TURBINES FOR DIESEL LOCOMOTIVES] Teplovoye dvigateli vnutrennego sgoraniya i gazovyye turbiny. Izd. 2., perer. [By] N. M. Glagolev i dr. Moskva, Transport, 1965. 409 p.

ISAKOV, A. I. [Automation of the quality control of parts made of wood and wood plastics] Avtomatizatsiya kontrolya kachestva detalей iz drevessnykh i drevessnykh plastikov. Moskva, Lesnaya promyshlennost', 1965. 263 p.

KAASIK, P. I., and E. D. NESGOVOROVA. [Regulated squirrel-cage induction motors in automatic control systems] Upravlyeniye asinkhronnyimi dvigatel'nyimi kolektornymi rotornymi sistemami avtomatiki. Moskva, Energiya, 1965. 193 p.

KACERAUSKAS, JONAS. [Protection of wood against decay] Medienos apsauga nuo puvinio. Vilnius, Mintis, 1965. 91 p. [In Lithuanian]

KACHEL'KIN, L. I., ed. [Use of lumbering wastes] Is- pol'zovaniye otkhodov lesozagotovok. [By] L. I. Kachel'kin i dr. Moskva, Lesnaya promyshlennost', 1965. 322 p.

KAGANOVICH, V. E. [Technical and economic substantiation of the variants of highway location, a manual] Tekhniko-ekonomicheskoe obosnovaniye variantov trassy avtomobil'nykh dorog, uchebnoe posobie. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, Omskoe odd-nie, 1964. 56 p. (Biblioteka studenta, no. 5)

[MICROFILM]

KAMENETSKII, L. B. [Handbook for a bitumen boiler operator] Pamiatka mashinistu bitumennogo kotla. Moskva, Transport, 1965. 30 p. (Tekhnika bezopasnosti na doli oznykh rabotakh)

KASHIMENSKAYA, O. V., and Z. M. KHVOROSTOVA. [Geomorphological analysis in prospecting for placers (based on a study of the El'gi gold-bearing region in the upper Indigirka Valley)] Geomorfologicheskii analiz pri poiskakh rossypel (na primere El'ginskogo zolotonosnogo raiona v verkhov'yakh reki Indigirki). Novosibirsk, Red.-izd. otel Sibirskogo odd-niya AN SSSR, 1965. 165 p.

KAUFMAN, B. N., and others. [Structural expanded plastics] Stroitel'nyye poroplasty. Moskva, Stroizdat, 1965. 173 p. (Novyye stroitel'nyye materialy)

KAVECKIS, MIKOLAS, VACLOVAS PRANAITIS, and BRONIS SDAUGA. [Engineering geology] Inžine- rine geologija. Visuomeniniai pagrindais moksliniu pozituri redagujo B. Sdauga. Vilnius, Lektykla "Mintis," 1965. 314 p. [In Lithuanian]

KAZANZHI, K. K. [Static electricity] Staticheskoe elektrichestvo. Moskva, Znanie, 1965. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 11)

KHOLOPOVA, L. I. [Corrosion of reinforcement in auto- claved cellular concrete and methods of preventing it] Korrozia armatury v avtoklavnykh tselistatnykh beto- nakh i sposoby ee preduprezhdeniya. Leningrad, Stroizdat, 1965. 80 p.

KIBAL'CHICH, I. A. [Sanitary problems in the building of hydraulic structures] Sanitarnyye voprosy gidro- stroitel'stva. Moskva, Meditsina, 1965. 245 p.

KIEV, INSTYTUT AVTOMATYKY. [Automation of in- dustrial processes in the coal and ore mining in- dustry] Avtomatizatsiya proizvodstvennykh protsessov v ugod'noi gornorudnoi promyshlennosti. Pod red. L. A. Sholkheia. Kiev, 1964. 191 p.

KIEV, NAUCHNO-ISLEDOVATELSKII INSTITUT STROITE'LNOGO PROIZVODSTVA. [Album for the technical maintenance of the ZIF-55 compressor station] Al'bom tekhnicheskogo obsluzhivaniya kompres- sornoi stantsii ZIF-55. Moskva, Stroizdat, 1964. 120 p.

KIRSANOV, I. N. [Condensing systems] Kondensatsion- nye ustanovki. Moskva, Energiya, 1965. 375 p.

KISLOV, V. V., and I. R. ZAITOV. [Practical work in photogrammetry] Praktikum po fotogrammetrii. Moskva, Nedra, 1965. 187 p.

KLIMAVICIUS, VYTAUTAS. [Structural mechanics; basic course] Statybine mechanika; pagrindinis kursas. Visuomeniniai pagrindais moksliniu pozituri redagujo technikos mokslu kandidatas doc. A. Cyras. Vilnius, Lektykla "Mintis," 1965. 451 p. [In Lithuanian]

KLIUCHNIKOV, N. G. [Practical work in chemical technology] Prakticheskie zaniatiya po khimicheskoi tekhnologii. Izd. 2., perer. Moskva, Prosveshcheniye, 1965. 282 p.

KLUSHIN, I. A. [Automation of water treatment] Avto- matizatsiya vodoopodgotovki. Moskva, Energiya, 1965. 77 p. (Biblioteka tepletehnika, no. 13)

KOLOBANOV, S. K., and L. G. MAZURENKO. [Industrial- izing sanitary engineering operations] Industializatsiya sanitarno-tekhnicheskikh rabot. Kiev, Budivelnik, 1965. 27 p. (Biblioteka inzhenera- santekhnika)



- KOLPAKOV, G.M. [Electrical equipment of plants of the coke by-product industry] Elektrooborudovanie koksohimicheskikh zavodov. Kiev, Tekhnika, 1965. 305 p.
- KONSTANTOPULO, G.S. [Mechanical equipment of plants manufacturing reinforced-concrete products and heat-insulating materials] Mekhanicheskoe oborudovanie zavodov zhelenobetonnykh izdelii i termolizatsionnykh materialov. Moskva, Vysshaya shkola, 1965. 420 p.
- KOPELEVICH, A.M. [Making use of small-scale mechanization in construction] Ispol'zovanie sredstv maloi mekhanizatsii v stroitel'stve. Minsk, Belarus', 1964. 69 p.
- KORENDIAEV, A.I., and E.I. LEVKOVSKII. [Story about automatic machine tools] Rasskaz o stankakh-avtomatakh. [Moskva] Pofizdat, 1960. 114 p. (Massovaya biblioteka rabochego)
- KOROVCHENKO, G.M. [Preparing drilling tools for operation] Podgotovka burovogo instrumenta k rabote. Moskva, Nedra, 1965. 120 p.
- KOSTIKOV, V.F. [How to build a radio receiver, principles of the design of simple electron-tube receivers] Kak postroiti radio priemnik, osnovy konstruirovaniia prostykh lampovykh priemnikov. Moskva, DOSAAF, 1964. 245 p.
- KOSTINSKII, A.D., I.S. MARCHENKO, and L.V. TRAUBE. [Kinescopes, design, technology and testing methods] Kineskopy, konstruktivnaia, tekhnologiya i metody ispytaniia. Kiev, Tekhnika, 1965. 279 p.
- KOSTIUK, D.I., O.I. GOLDAEVA, and I.U. V.IAKOVLEV. [Manual for the preparation of a course project in the theory of mechanisms and machines] Rukovodstvo k kursovomu proektirovaniu po teorii mekhanizmov i mashin. Izd. 2., ispr. i dop. Pod red. D.I. Kostiuka. Khar'kov, Izd-vo Khar'kovskogo univ., 1961. 265 p.
- KRAIZMER, L.P., ed. [Operational and constant memory devices] Operativnye i postoiannye zapominalushchie ustroistva, sbornik statei, Moskva, Energiia, 1965. 136 p.
- KRYLOV, V.I., A.N. PEROV, and A.K. OZOLIN. [Manual on brakes] Spravochnik po tormozam. Izd. 2. Moskva, Transport, 1965. 509 p.
- KULIKOV, A.A., L.A. MATSKIN, and N.A. RIABSKII, eds. [Handbook on petroleum-pipeline equipment] Spravochnik ob oborudovanii magistral'nykh truboprovodov. Moskva, Nedra, 1965. 610 p.
- KUMPAN, P.V., and E.E. IURGENSON. [Pioneer camps, a new model] Pionerskie lageria; novyi tip. Moskva, Stroizdat, 1965. 84 p.
- KUZNETSOV, V.N. [How to search for natural wall materials] Kak iskat' estestvennyi stenovoi material. Moskva, Nedra, 1965. 29 p. (Biblioteka iskatelia poleznykh iskopaemykh)
- LABUTIN, V.K. [All-purpose transistors] Tranzistory obshchego naznacheniia. Moskva, Energiia, 1964. 28 p. (Massovaya radiobiblioteka. Spravochnaia seriia, no. 526)
- LAKERNIK, M.M. [Metallurgy of lead] Metallurgiya svintsa. Izd. 2., dop. i perer. [Moskva] Metallurgiya, 1965. 223 p.
- LAKHTIN, A.L., and B.N. SENCHENKO. [Dry cleaning of clothing] Khimicheskaya chistka odevchdy. Moskva, Legkaya industriia, 1965. 133 p.
- LAVROV, N.V. [Fundamentals of the combustion of gaseous fuel] Osnovy goreniia gazoobraznogo topliva. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 417 p.
- [LEATHER FOOTWEAR, BASIC AND AUXILIARY MATERIALS AND SUPPLIES] Obuv' kozhanaiia, osnovnye i vspomogatel'nye materialy i furnitura. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 648 p. (SSSR. Gosudarstvennye standarty)
- LEBEDEV, V.S. [Splitting machines for leather manufacture] Raspilovochnye mashiny kozhevennogo proizvodstva. Moskva, T'smir, in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1964. 78 p. (OS-XVI Seria: Oborudovanie dlia legkoi promyshlennosti)
- [MICROFILM]
- LEIBENZON, S.A. [Electric slag remelting and metal quality] Elektroshlakovyi pereplat i kachestvo metal'a. Moskva, Metallurgiya, 1965. 61 p.
- LENNINGRAD. VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT ASBESTOVOI PROMYSHLENNOSTI. [Collection of annotations on the Institute's scientific research work during 1961 and 1962] Sbornik annotatsii nauchno-isledovatel'skikh rabot instituta za 1961-1962 gg. Sverdlovsk, Asbest, 1963. 26 p.
- LEPETOV, V.A. [Engineering rubber goods] Ruznovoye tekhnicheskoe izdeliia. Izd. 2., perer. i dop. Moskva, Khimika, 1965. 471 p.
- LESHKEVICH, A.I. [Bunching, loading, and unloading lumber into water] Shtabelevka, pogruzhka i sbroska lesa na vodu. Moskva, Lesnaya promyshlennost', 1965. 250 p.
- LEVANTOVSKII, V.I. [Ways to the moon and the planets of the solar system] Puti k Lune i planetam solnechnoi sistemy. Moskva, Voenizdat, 1965. 205 p.
- LEPTIN, F.G. [Air conditioning] Konditsionirovaniye vozdukh. Kiev, Budivelnik, 1965. 26 p. (Biblioteka inzhenera-santekhnika)
- LITVIN, L.M. [Design of clothing made from check pattern fabrics] Modelirovaniye odevchdy iz kluchatykh tkanei. 3. izd., ispr. i dop. Moskva, Legkaya industriia, 1965. 90 p.
- [LUBRICATING OILS AND ADDITIVES, technical specifications and testing methods] Masla amazonskiye i prisdadki k nim, tekhnicheskoe trebovaniia, metody ispytaniia. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 578 p. (SSSR. Gosudarstvennye standarty)
- LUKASHEVICH, G.I. [Strength of press-fitted joints with electroplating] Prochnost' pressovyykh soedinenii s gal'vanicheskimi pokrytiami. Kiev, Gostekhnizdat USSR, 1961. 59 p.
- LUK'YANOV, B.B. [Friends, we believe that caravans of rockets...; notes of a TASS correspondent] My verim, druž'ia, karavany raket...; zapiski korrrespondenta TASS. [Moskva] Molodaya gvardiia, 1965. 270 p.
- LUR'E, I.N. [Oxygen-blown converter processes of steel production; review of foreign patents] Kislorodno-konvertirnyye protsessy proizvodstva stali, obzor inostrannykh patentov. Moskva, Nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovaniia, 1964. 39 p.
- [MICROFILM]
- LUZHNIKOV, L.P. [Malleable aluminum alloys for work at high temperatures] Deformirovaniye aluminiovye splyavy dlia raboty pri povyshennykh temperaturakh. [Moskva] Metallurgiya, 1965. 289 p.
- MAISKII, M.I., A.F. KOSENKO, and O.P. SLIESAN. [Technology of metals and building materials] Tekhnologiya metalliv i konstruktivnykh materialiv. Kyiv, Derzhshil'hopryyad URSS, 1962. 410 p.
- MAKARENKO, N.P., and M.I. NEGRIMOVSKII. [Be careful dlia industry] Bud' ostorozhen na proizvodstvo. Moskva, Meditsina, 1965. 83 p. (Nauchno-popul'narnaya literatura)
- MAKAROV, L.V. [Drilling fluids in core drilling] Promyachnye zhidkosti v kolonkovom burenii. Moskva, Nedra, 1965. 63 p.
- MALOV, V.S. [Remote control] Telemekhanika. Izd. 2., dop. i perer. Moskva, Energiia, 1965. 94 p. (Biblioteka po avtomatike, no. 123)
- MAMEDOV, SH.N. [Principles of selecting systems of mining underground ore deposits] Osnovy vybora sistem podzemnoi razrabotki rudnykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR, 1964. 193 p.
- MEKLER, A.G. [Electrical equipment of hoisting and conveying machinery] Elektrooborudovanie pod'omno-transportnykh mashin. Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1965. 534 p.
- MEZHVEDOMSTVENNOE SOVESHCANIE PO PROBLEME "RUDONOSNOST' VULKANOGENNYKH FOI-MATSIU." Moskva, 1963. [Materials of the Interdepartmental Conference on the Problem "The Ore Potential of Volcanic Formations"] Materialy. Pod obshchey red. V.N. Kotlarskaya. Moskva, Nedra, 1965. 324 p.
- [MINING MACHINES] Gornye mashiny. [Moskva] Gostekhnizdat, 1961. 306 p.
- MISTIUSTINA, L.I. [A3100-series automatic switches] Avtomaticheskio vykluchateli serii A3100. Izd. 2. Moskva, Energiia, 1965. 48 p. (Biblioteka elektro-montera, no. 150)
- MOSCOW. INSTITUT GORUCHIKH ISKOPAEMYKH. [Preparation and complete utilization of fuel] Obogashcheniye i kompleknoe ispol'zovanie topliva. Moskva, Nedra, 1965. 255 p.
- MOSCOW. INZHENERNO-STROITEL'NYI INSTITUT. [Improving the properties of cements and concretes by the addition of synthetic products from petroleum chemistry, a contribution to the problem of using chemical resources in construction] Uлучsheniye svoistv tsmentov i betonov dobavkami sinteticheskikh produktov neftekhimii, k voprosam khimicheskoi stroitel'stva. [By] M.I. Khilgerovich i dr. Moskva, 1964. 38 p. (Doklady na XXIII nauchno-tekhnicheskoi konferentsii)
- MOSCOW. NAUCHNO-ISSEDOVATELSKII INSTITUT AVTOMOBIL'NOGO TRANSPORTA. [Manual on the organization of the maintenance and repair of motor vehicles in automotive transportation units] Rukovodstvo po organizatsii proizvodstva tekhnicheskogo obsluzhivaniia i tekushchego remonta avtomobilov v avtokhozaiistvakh. Izd. 2. Moskva, Transport, 1965. 80 p. chart (insert)
- MOSCOW. NAUCHNO-ISSEDOVATELSKII INSTITUT ORGANIZATSII, MEKHANIZATSII I TEKHICHESKOG POMOSHCHII STROITEL'STVU. [Instructions on the overhauling of machinery used in construction (U5-64)] Ukazaniia po kapital'nomu remontu mashin, zarubykh v stroitel'stve (U5-64). Moskva, Stroizdat. No. 11. [Specifications for the overhauling of the MSK-5-20 and BK-215 lower cranes] Tekhnicheskoe uslovie na kapital'nyi remont bashennykh kranov MSK-5-20 i BK-215. 1965. 194 p.
- MOSCOW. TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIIH ISSEDOVANIY PO LESNOI, TSELULOZNO-BUMAZHNOI, DEREVOOBRABATYVAYUSHCHEI PROMYSHLENNOSTI I LESNOMU KHIZIAISTVU. [Cooking sulfite pulp] Varika sul'fitnoi tselulozy. Moskva, 1964. 14 p. (Dumaga i tseluloza)
- [MICROFILM]
- MOSCOW. TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIIH ISSEDOVANIY PO LESNOI, TSELULOZNO-BUMAZHNOI, DEREVOOBRABATYVAYUSHCHEI PROMYSHLENNOSTI I LESNOMU KHIZIAISTVU. [Wave-resisting cigar-shaped rafts and the unloading of full-length log bundles] Volnotochnivyye sigary i vygruzka khlystovykh puchkov. Moskva, 1964. 20 p. (Lesoskaphmatizatsii)
- [MICROFILM]
- MOSCOW. VSESOUZNYI ZAOCHNYI INSTITUT TEKSTIL'NOI I LEGKOI PROMYSHLENNOSTI. [Artificial leather of the Russian leather type] Iksustvennaya kozha tipa lufli. Moskva, 1964. 50 p.
- [MICROFILM]
- MUKHIN, M.E., V.A. SHESTAKOV, and N.G. IALYMOV. [Underground mining systems in Kirghizia] Sistemy podzemnoi razrabotki na rudnikakh Kirgizii. Frunze, Izd-vo "Ilim," 1965. 105 p.
- NAIFEL'D, L.R. [Hydraulic engineering in city planning] Gidrotokhnika v gradostroitel'stve. Moskva, Vysshaya shkola, 1965. 250 p.
- NEKHAI, S.M., and V.M. MISHYNA. [Modern hydraulic presses] Suchasni hidravlichni prasy. Kyiv, Derzh-tekhnizdat URSS, 1962. 107 p.
- NIFONTOV, B.I., and others. [Underground nuclear explosions; problems affecting industrial nuclear explosions] Podzemnye iadernye vzryvy; problemy promyshlennykh iadernykh vzryvov. Moskva, Atomizdat, 1965. 159 p.

- NOVIKOV, V. A., N. M. KICHIGIN, and V. I. VASIL'EV. [The TL-TsINS single-bucket tractor-mounted loaders and shovelling machines] Odnokovshovye traktornye pogruzhchiki-traktornye lopaty TL-TsINS. Moskva, Pishchevala promyshlennost', 1965. 141 p.
- OMSK. POLITEKHNIICHESKII INSTITUT. Kafedra "Mashiny i tekhnologiya lielnogo proizvodstva." [Foundry practice and heat treatment] Liteinoe proizvodstvo i termicheskaya obrabotka. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo. Omskoe otd-ntie, 1964. 193 p.
- ORLOVSKII, E. I. [Synthetic products in everyday life, synthetic materials and goods manufacture from them] Sintetika v bytu; sinteticheskie materialy i tovary iz nikh. [Leningrad] Lenizdat, 1964. 141 p.
- OSTROVSKII, E. V., and L. V. EIDEL'MAN. [Concise handbook for the designer of food machinery] Kratkiy spravochnik konstruktora pri odovol'stvennykh mashin. Moskva, Mashinostroyeniye, 1965. 503 p.
- PASICHNYK, M. D. [Elementary electrical engineering] Elementarnaya elektrotehnika. 2, vyprav. i dop. vyd. Kyiv, Derzhizhkydav URSSR, 1961. 210 p.
- PERERVA, V. M., comp. [French-Russian dictionary of motion-picture photography technique] Frantsuzsko-russkii slovar' po fotokino tekhnike. Moskva, Sovetskaya Ensiklopediya, 1965. 463 p.
- PIATIN, I. M. [Design of the electrical components of measuring instruments] Raschet elektricheskikh elementov izmeritel'nykh priborov, spravochnoe posobie. Moskva, Mashinostroyeniye, 1965. 198 p.
- PIDHAIETSKYI, V. V. [Fluxes for automatic welding, a welder's library] Fluxy dlia avtomaticheskogo zvarivaniia; biblioteka zvarnyka. Kyiv, Derzhmekhizdav URSSR, 1963. 117 p.
- PISKORSKII, G. A., and N. A. SIVCHENKO. [Shoe machinery with hydraulic drive] Obuvnye mashiny s gidroprivodom. Kiev, Gostekhizdat URSSR, 1963. 189 p.
- POKRAS, I. L. [Fitter of construction machines] Stesari'-montazhnik po staloit'nyim mashinam. Moskva, Stroizdat, 1965. 328 p.
- POPOV, N. A. [Vacuum switches; their present state and perspective development] Vakuunnye vykluchateli; sostoiianie i perspektivy razvitiia. Moskva, Energiia, 1965. 111 p.
- POPOV, S. A., ed. [Efficient use of diamond tools] Ratsional'naya ekspluatatsiia almaznogo instrumenta. [By] M. E. Kaminskii i dr. Moskva, Mashinostroyeniye, 1965. 238 p.
- POSTASH, S. A. [Preparation of a course project on the theory of mechanisms and machines, aid for correspondence and evening students working on course projects on the theory of mechanisms and machines] Kursovoe proektirovanie po teorii mekhanizmov i mashin; v pomoshch' studentam-zaochnikam i vechernikam, vypolniaiushchim kursovye proekty po TMM. Groznyi, Groznenaskii neftianoi in-t, 1964. 187 p. diagrs. (Insert)
- PREIS, G. A. [Increasing the wear resistance of the parts of the equipment of food industry enterprises] Povyshenie iznosostoiakosti detalей oborudovaniia predpriatii pishchevoi promyshlennosti. Moskva, Mashizda, 1963. 282 p.
- PUSTOVOITENKO, I. P., and A. P. SEL'VASHCHUK. [Brief handbook for the skilled worker in complex boring operations] Kratkiy spravochnik мастера po slozhnym burovym robotam. Moskva, Nedra, 1965. 236 p.
- RABKIN, D. M., and V. R. RIABOV. [Welding aluminum and its alloys with steel and copper] Svarka aluminia i ego splavov so stal'iu i med'iu. Moskva, Mashinostroyeniye, 1965. 93 p.
- RASTRIGIN, L. A. [Random search in problems of the optimization of multiparametric systems] Sluchainyi poisk v zadachakh optimizatsii mnogoparametricheskikh sistem. Riga, Izd-vo "Zinatne", 1965. 211 p.
- RIAZANOVA, F. D., I. A. N. FUNSHTEIN, and R. N. KHUDOKORNOVA. [Laboratory manual on metallography and the heat treatment of metals] Laboratornyi praktikum po metallovedeniю i termicheskoi obrabotke metallov. Pod red. L. S. Likhovicha. Minsk, Vysshaya shkola, 1965. 124 p.
- RIZKIN, A. A. [Principles of the theory and design of electronic amplifiers] Osnovy teorii i rascheta elektronnykh usilitel. Moskva, Energiia, 1965. 462 p.
- ROMANOVSKII, S. G. [Induction drying by means of commercial frequency currents] Induktsionnaya suшка tokami promyshlennoi chastoty. Kiev, Gostekhizdat URSSR, 1963. 119 p.
- ROTENBURG, I. S., ed. [Designing bridge crossings over large streams] Proektirovanie mostovykh perekhodov cherez bol'shie vodotoki. [By] S. Rotenburg i dr. Moskva, Vysshaya shkola, 1965. 335 p.
- ROZENTRETER, B. A. [Aleksandr Mitrofanovich Terpigorev, 1873-1959, essay on his life and work] Aleksandr Mitrofanovich Terpigorev, 1873-1959; ocherk zhizni i delatel'nosti. Moskva, Nauka, 1965. 182 p.
- RUSSIA (1917- R. S. F. S. R.) Gosudarstvennyi komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornom nadzore. [Failures in boiler inspection systems and measures for preventing them, informational letter] Avari na ob'ektiakh kotlonozdora i mery po ikh preduprezhdeniiu; informatsionnoe pis'mo. Izd. 2, Moskva, Nedra, 1965. 173 p.
- RUSSIA (1917- R. S. F. S. R.) Ministerstvo avtomobil'nogo transporta i shosseinykh dorog. [Handbook for the automotive transport worker] Spravochnik rabotnika avtomobil'nogo transporta. Moskva, Avtoizdat, 1961. Book 3. 1801. - (NIC)
- RUSSIA (1917- R. S. F. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie organizatsii truda i zabotnoy platy. [Collection of output and fuel consumption norms in land improvement operations and mechanized work] Sbornik norm vyrobki i rashoda topliva na agromeliorativnye mekhanizirovannye raboty. Moskva, Rossel'khozizdat, 1965. 47 p.
- RUSSIA (1917- R. S. F. S. R.) Upravlenie vodoprovodno-kanalizatsionnogo khoziaistva. [Regulations concerning the technical operation of water supply lines and sewerage systems] Pravila tekhnicheskoi ekspluatatsii vodoprovodov i kanalizatsii. Moskva, Stroizdat, 1965. 306 p.
- RUSSIA (1917- R. S. F. S. R.) Vninitkii ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. [Catalog-handbook of equipment for beet sugar factories (suklo-smake)] Katalog-spravochnik oborudovaniia dlia svetsklosakhnykh zavodov (otchestvennogo proizvodstva). [Vninitskoe obl. knizhnoe-gazetnoe izd-vo, 1962, 235 p.] [MICROFILM]
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie sanitarno-tekhnicheskogo montazha. [Safety engineering instructions for carrying out interior sanitary engineering operations in construction] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve vnutrennikh sanitarno-tekhnicheskikh rabot na stroitel'stve. Moskva, Stroizdat, 1963. 237 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie teplo-tekhnicheskikh i termopolizatsionnykh rabot. [Safety engineering instructions for carrying out anticorrosion operations] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve antikorrozionnykh rabot. Moskva, Stroizdat, 1965. 85 p.
- RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing buildings and structures on areas undercut by mining] Ukazaniia po proektirovaniu zdani i sooruzhenii na podrabatyvaemykh territoriiakh (SN 289-84). Izd. ofitsial'noe. Moskva, Stroizdat, 1965. 81 p.
- RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for preparing and using mortar] Ukazaniia po prigotovleniiu i primeneniui stroitel'nykh rastvorov (SN 290-84). Izd. ofitsial'noe. Stroizdat, 1965. 75 p.
- RUSSIA (1923- U. S. S. R.) Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii. [Aid for studying engineering regulations governing the operation of electric power plants and networks] Posobie dlia izucheniia pravil tekhnicheskoi ekspluatatsii elektricheskikh stantsii i setei. Izd. 2, pere-smotrennoe. Moskva, Energiia, 1965. 551 p.
- RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Confectionery products, testing methods] Konditerskie izdeliia, metody ispytani, izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 74 p. (SSSR, Gosudarstvennye standarty)
- RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Multipurpose pipe fittings, basic parameters and structural details] Armatura trubopriodnata obshchego naznacheniia; osnovnye parametry i konstruktivnye ispolneniia, izd. ofitsial'noe. Moskva [Izd-vo Standartov] 1965. 80 p. (SSSR, Gosudarstvennye standarty)
- RUSSIA (1923- U. S. S. R.) Ministerstvo puti soobshcheniia. [Moscow Order of Lenin and Order of the Red Banner of Labor Institute of Railroad Transportation Engineers] Moskovskii ordena Lenina i ordena Trudovogo Krasnogo Znameni Institut inzhenerov zheleznodorozhnogo transporta. Moskva, 1963. 43 p. illus.
- RUSSIA (1923- U. S. S. R.) Ministerstvo puti soobshcheniia. [Regulations for the current repair, servicing and maintenance of locomotives] Pravila tekhnicheskogo remonta, ukhoda i soderzhaniiia parovozov. Moskva, Transzheldorizdat, 1958. 534 p.
- RUSSIA (1923- U. S. S. R.) Ministerstvo puti soobshcheniia. Tsentral'naya nauchno-tekhnicheskaya biblioteka. [Automation, electronics, and computer technology in railroad transportation; index of the Soviet and foreign literature for 1959-1963] Avtomatika, elektronika i vychislitel'naya tekhnika na zheleznodorozhnom transporte; ukazatel' otechestvennoi i inostrannoi literatury za 1959-1963 gg. Moskva, Transport, 1965. 169 p.
- RUSSIA (1923- U. S. S. R.) Upravlenie po standartizatsii. [Alcohol and vodka products] Spirto-vodochnye izdeliia, izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 107 p. (SSSR, Gosudarstvennye standarty)
- RUTKOVSKII, B. I., and P. S. SLIPCHENKO. [Practices in the building of the Northern Donets-Donets Basin Canal] Opyt stroitel'stva kanala Severnyi Donets - Donbass. Kiev, Gosstroizdat, 1964. 178 p.
- RYLOV, V. N. [Safety engineering in drainage construction work] Tekhnika bezopasnosti gidromeliorativnykh rabot. Minsk, Urozhai, 1965. 42 p.
- SABLEV, P. E. [On the road of technological progress] Na puti tekhnicheskogo progressa. Kiev, Gostekhizdat, 1962. 24 p.
- SAKJINENKO, V. I. [Novikov gear transmissions, survey of their design and methods of construction] Zubchatye poredachi Novikova; obzor konstruktiv i metodov rascheta. Kiev, Politekhn. in-t, 1964. 69 p.
- SAMOILOV, G. P. [Simple repair of television receivers; how to locate and replace faulty tubes] Prostishil remont televizorov; kak nakhodit' i zameniat' nei-spravnye lampy. Izd. 2, dop. Moskva, Svyaz', 1965. 188 p. (Biblioteka "Televizionnyi priem," no. 18)
- SAVIN, K. D. [Railroad engineering structures] Iskusstvennye sooruzheniia zheleznykh dorog. Izd. 2, perer. Moskva, Transport, 1965. 223 p.
- SAVOST'YANOV, D. D. [Construction and repair of KEL (VMP-2), KELR, KELRS, SAR (VMM-2) and SRS calculating machines] Konstruktsiia i remont vychislitel'nykh mashin modeli KEL (VMP-2), KELR, KELRS, SAR (VMM-2) i SRS. Izd. 3, perer. i dop. Moskva, Statistika, 1964. 242 p. diagrs. (insert)
- SAZONOV, B. F. [Oil-field flooding operations] Razrabotka nefliannykh zalezhei s primeneniem zavodneniia. [Kulbyshov] Kulbyshvskoe knizhnoe izd-vo, 1964. 74 p.

- SENEROTAS, IZIDORIUS. [Centralized control of technological processes] Centralizuota technologinio proceso kontrolė. Vilnius, Leidykla "Mintis," 1965. 95 p. [In Lithuanian]
- SEROV, E. P., ed. [Superheaters of boiler units] Paroperegrivatel's kotel'nykh agregatov. [By] V. I. Lezin i dr. Moskva, Energiia, 1965. 287 p.
- SHAPIRO, D. K., M. M. COLOMSHIYOK, and F. F. ZAKHARICH. [Home preserving of vegetables, fruit and mushrooms] Konservirovanie ovoshchei, fruktov i gribov v domashnikh usloviyakh. Izd. 5., perer. i dop. Minsk, Belarus', 1965. 141 p.
- SHCHERBAKOV, V. P., and A. B. RABINOVICH. [Manual for the conductor of passenger cars] Rukovodstvo provedniku passazhirskikh vagonov. Izd. 6., perer. i dop. Moskva, Transport, 1965. 351 p.
- SHCHETNIKOV, E. S. [Physics of the combustion of gases] Fizika goreniya gazov. Moskva, Nauka, 1965. 739 p.
- SHEIN, A. I., and F. M. NIGEL. Karatau, Alma-Ata, Izd-vo "Kazakhstan," 1965. 81 p.
- SHURINOV, N. SH. [Geomorphology of the Aspherson oil-bearing area] Geomorfologiya Aspersonskoi neftenosnoi oblasti. Baku, Izd-vo Akad. nauk Azerbaidzhangskoi SSR, 1965. 187 p.
- SHNIUKOV, E. F. [Genesis of Cimmerian iron ores in the Azov-Black Sea ore province] Genesis kimmeriskikh zheleznykh rud Azovo-Chernomorskoi rudnoi provintsii. Kiev, Naukova dumka, 1965. 194 p.
- SHUL'ZHENKO, M. N., and A. S. MOSTOVOI. [A course in the construction of airplanes] Kurs konstrukttsii samoletov. 2 izd., dop. i perer. Moskva, Mashinostroenie, 1965. 562 p.
- SHUR, I. V., ed. [Manual on veterinary and sanitary expertise and hygiene in the processing of animal products] Rukovodstvo po veterinarno-sanitarnoi ekspertize i gigiene pererabotki zhivotnykh produktov. Izd. 2., ispr. i dop. Moskva, Kolos, 1965. 426 p.
- SIROTKIN, V. P. [Water intakes; models, diagrams, and hydraulic calculations] Vodopriemnye sooruzheniya, tipy, skhemy, gidravlicheskie raschety. Moskva, Vysshaya shkola, 1965. 79 p.
- SIZOV, A. P., and I. A. KONOPLIANNIKOV. [Electric spark machining of metals, review of foreign patents] Elektroerozionnaya obrabotka metallov; obzor inostrannykh patentov. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovaniy, 1964. 46 p.
- [MICROFILM]
- SKARDS, V. [Pumps] Sūkņi. Rīga, Izdevniecība "Liesma," 1965. 166 p. [In Latvian]
- SMIRNOV, A. D., ed. [Electrical engineering handbook in two volumes] Spravochnik elektrotekhnika v dvukh tomakh. Pod obshchei red. A. D. Smirnova. Moskva, Energiia. Vol. 2. No. 3. [Protection and automatic control relays] Rele zaščity i avtomatiki. 1965. 240 p.
- SOKOLOV, I. V. [Ways of developing the manufacture of cellular aggregates in the Northern Caucasus] Puti razvitiya proizvodstva poristikh zapolnitel'ei na Severnom Kavkaze. Rostov-na-Donu, Rostovskii Promstroiitproekt, 1964. 24 p.
- SOLOV'EV, A. I. [Theory of simple computing and measuring mechanisms] Teoriya prostykh skhemno-rezhalushchikh i izmeritel'nykh mekhanizmov. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 61 p.
- SOVESHCHANIYE PO KHIMICHESKOMU KONTROLIU PROIZVODSTV V METALLURGICHESKOI I METALLO-OBRABATYVAUSHCHEI PROMYSHLENNOSTI. 4th, Dnepropetrovsk, 1958. [Chemical production control in the metallurgical and the metalworking industry; reports] Khimicheskii kontrol' proizvodstva v metallurgicheskoi i metallobrabatyvayushchei promyshlennosti; doklady. Dnepropetrovsk. Dnepropetrovskoe knizhnoe izd-vo, 1960. 429 p.
- SREDNEAZIATSKOE SOVESHCHANIYE PO METODIKE SOSTAVLENIA METALLOGENICHESKIKH I PROGNOZNYKH KART. 1st, 1962. [Problems of the methods of plotting the metallogenetic and prognostic maps of Central Asia, materials] Voprosy metodiki sostavleniya metallogenicheskikh i prognoznnykh kart Srednei Azii; materialy. Tashkent, Nauka, 1964. 274 p.
- STRAMENTOV, A. F., and E. A. MERKULOV. [City streets and roads] Gorodskie ulitsy i dorogi. Moskva, Stroizdat, 1965. 343 p.
- TARKHANOV, B. I. [Safety manual for workers engaged in the loading and unloading of electric power transmission line supports] Pamiatka po tekhnike bezopasnosti dlia rabochikh, zaniatykh na pogruzke i razgruzke opor vozdukhnykh lini elektroperedachi. Moskva, Stroizdat, 1965. 31 p. [Tekhnika bezopasnosti v stroitel'stve]
- [TECHNOLOGICAL EQUIPMENT OF CONFECTIONERY ENTERPRISES; a catalog-manual] Tekhnologicheskoe oborudovanie predpriyatiy konditerskoi promyshlennosti, katalog-spravochnik. Moskva, TsINTIAM. Pt. 4. [Equipment for the production of flour-containing confectionery goods] Oborudovanie dlia proizvodstva mучnykh konditerskikh izdelii. 1964. 87 p. Pt. 5. [Equipment for wrapping, packaging and packing confectionery goods] Oborudovanie dlia zaverki, rasfasovki i upakovki konditerskikh izdelii. 1964. 69 p.
- [MICROFILMS]
- TESNEK, I. I. [Magnetic measurements] Magnitnye izmereniya. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1964. 39 p. [Obzor otechestvennykh i zarubezhnykh izobretenii]
- TKHOMIROV, B. N. [Larch floating] Splav listvenitsy. Moskva, Lesnaya promyshlennost', 1965. 156 p.
- TODRIN, G. Z., E. L. KOZLOVA, and L. T. MOROZOV. [Industrial training of milling machine operators] Proizvodstvennoe obucheniye frezerovshchikov. Moskva, Vysshaya shkola, 1965. 73 p. [Omen opytom raboty]
- TOGUNOV, B. M., and V. M. STEFANOVSKII, comps. [German-Russian dictionary of refrigeration engineering] Nemetsko-russkii slovar' po kholodil'noi tekhnike. Moskva, Sovetskaya Entsiklopedia, 1965. 246 p.
- [TRIMMINGS FOR DRESSES] Odelki k plat'iam. 2., perer. izd. Minsk, Belarus', 1965. 190 p.
- TUL'PA, S. M. [Thread grinding] Rezboshlifoval'nye raboty. Moskva, Vysshaya shkola, 1965. 346 p.
- TURCHANINOV, I. A. [Displacement and pressure of rock in the mining of steeply pitching seams] Sdvizhenie i davlenie gornykh porod pri razrabotke krupnodushchikh zbil. Moskva, Nauka, 1965. 93 p.
- UJKA, J. [Optimum depth and spacing of drains] Optimalais drenu dziļums un atstatums. Rīga, Latvijas Valsts Izdevnieciba, 1965. 48 p. [In Latvian]
- UKRAINE. Gosudarstvennaya planovaya komissiya, Institut avtomatiki. [Complete automation in steelmaking] Kompleksnaya avtomatizatsiya proizvodstva stali. Pod red. M. I. Korolko. Kiev, In-t tekhn. informatsii, 1963. 198 p.
- [UNDRESSED KARAKUL AND KRIMMER LAMB PELTS] Karakulovo-smushkovoe syr'e. Izd. ofitsial'nos, Moskva, Izd-vo Standartov, 1965. 39 p. (SSSR. Gosudarstvennoye standarty)
- URMAKHER, L. S. [Optics of photographic and aerial photogrammetric apparatus] Optika fotograficheskikh i aerofotogrammetricheskikh priborov. Izd. 2., perer. i dop. Moskva, Nedra, 1965. 239 p.
- VARNELLO, V. V. [Measuring the hardness of metals] Izmereniye tverdsti metallov. Moskva, Izd-vo Standartov, 1965. 194 p.
- VASIL'EV, M. V., ed. [Accelerated development of strip mines and expansion of iron-ore mining, as practiced at the Sokolovka-Sarbay Mining and Ore-Dressing Combine] Forsirovannaya podgotovka kar'erov i razvitiye dobychi zheleznykh rud na primere Sokolovsko-Sarbayaskogo gornodobavatel'nogo kombinata. Sverdlovsk, Sredne-Ural'skoe gos. knizhnoe izd-vo, 1964. 115 p.
- VEINBERG, D. S. [Piston compressors of refrigerating machines] Porshnevyye kompressory kholodil'nykh mashin. Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1965. 354 p.
- VEINIK, A. I. [Shrinkage phenomena and the feeding of castings] Usadochnyye yavleniya i pitanie dilyak, Minsk, Vysshaya shkola, 1964. 32 p. [MICROFILM]
- VERSHIN, V. E. [High-speed transistor switching circuits] Bystrodeistviyushchie poluprovodnikovyye pereklyuchateli. Moskva, Energiia, 1965. 102 p. [Rukhoteka po avtomatike, no. 130]
- VINITSKII, K. E., and E. I. REENTOVICH. [Mathematical modeling of parameters of systems for strip-mining deposits] Matematicheskoe modelirovaniye parametrov sistem otkrytoi razrabotki mestorozhdenii. Moskva, Nauka, 1965. 85 p.
- VINOKUR, B. B., and others. [Heat resistant steel, alloying, inoculation, and heat treatment] Zharkoprochnaya stal'; legirovaniye, modifitsirovaniye i gorlachaya obrabotka. Kiev, Naukova dumka, 1965. 205 p.
- VOLCHIKOV, I. I. [Separators for milk; their design, use, and repair] Separatory dlia moloka, konstrukttsii, ekspluatatsiya i remont. 4. izd. Moskva, Pishkholovaya promyshlennost', 1965. 205 p.
- VSESOIUZNAIA KONFERENTSIYA PO PROEKTIROVANIU SVARNYKH KONSTRUKTSII. Kiev, 1963. [Design of welded structures; reports] Proektirovaniye svarnykh konstrukttsii, doklady. Kiev, Naukova dumka, 1965. 426 p.
- VSESOIUZNOE NAUCHNO-TEKHICHESKOE SOVESHCHANIYE PO SOVERSHENSTVOVANIU TEKHNIKI I TEKNOLOGII RAZRABOTKI POLEZNYKH ISKOPAEMYKH OTKRYTYM SPOSOBOM, Cherechkhovo, 1964. [Materials of the All-Union Scientific and Technical Conference on Improving the Equipment and Technology of Mining Minerals by the Open-Pit Method] Materialy. Moskva, Nedra, 1966. 285 p.
- VYRIKOV, A. IA. [Automatic fire extinction at enterprises of the lumbering, woodpulp, and woodworking industries] Avtomaticheskoe pozharotusheniye na predpriyatiyakh lesoi, tsellulozno-bumazhnoi i derevoobrabatyvayushchei promyshlennosti. Moskva, Lesnaya promyshlennost', 1964. 54 p. (Nastoiashchee vnedreniye poredovoi opyt v proizvodstve)
- [WALL, ROOFING, AND INSULATION MATERIALS] Materialy stenovyye, krovельnye, izolatsionnye. Izd. ofitsial'nos, Moskva, Izd-vo Standartov, 1965. 316 p. (SSSR. Gosudarstvennoye standarty)
- ZAIAS, I. F. [Intensification and mechanization of technological processes in making sausage products] Intensifikatsiya i mekhanizatsiya tekhnologicheskikh protsessov pi obovodozva kolbasnykh izdelii. Moskva, TsINTIP, 1964. 63 p. [Obzor inostrannykh patentov]
- ZAITSEV, P. F., ed. [Problems in designing and planning railroad] Voprosy proektirovaniya zheleznykh dorog. Moskva, Transport, 1965. 94 p.
- ZAK, G. G., and I. I. RUBINSHTEIN. [Handbook of standardized machine parts and units] Spravochnik normalizovannykh detalei i uzlov mashin. Minsk, Nauka i tekhnika, 1965. 700 p.
- ZAMAKHAEV, M. S. [Transition curves on highways] Perekhodnye krivyye na avtomobil'nykh dorogakh. Moskva, Transport, 1965. 112 p.
- ZENKOV, L. F. [Establishing technical standards for strip mining operations] Tekhnicheskoe normirovaniye na otkrytykh gornykh rabotakh. Moskva, Nedra, 1964. 239 p.
- ZHDANOV, I. M. [Problems of zoning, network formation and interexchange connections of automatic telephone stations] Voprosy raionirovaniya, uzloobrazovaniya i mekhanizatsionnykh avtomaticheskikh posobie. Leningrad, Leningr. elektrotekhnicheskii in-t avtaz, 1963. 91 p.
- ZHELEZNOVA, V. V., A. A. IVANOV, and A. A. TSYBUL'SKII. [Modern equipment for wrapping and packaging confectionery goods] Sovremennoe oborudovanie dlia zaverki i upakovki konditerskikh izdelii. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 66 p. diagrs. (insert)
- [MICROFILM]

- ZHITKOV, A. V. [Equipment for lumberyards] Oborudovanie skladov lesomaterialov, Izd. 3., peier i dop. Moskva, Lesnaya promyshlennost', 1965. 557 p.
- ZIMIN, E. N. [Electric drive with regulated mercury-arc rectifiers] Elektroprivod s upravlyаемым ртутным выпрямителем. Moskva, Mosk. energ. in-t Pt. 1. Kuvayeva, A. P., ed. [Converter systems] Преобразовательные устройства. 1964. 220 p. [MICROFILM]
- ZIUZIN, D. V. [Along the trail of clouds] Po oblachnomu sledu. Moskva, Sovetskaya Rossiya, 1965. 276 p. (Liudi Sovetskoy Rossi)
- ### 17. MILITARY & NAVAL SCIENCES
- AKIMOV, P. P. [Power plants of seagoing vessels] Silovye ustanovki morskikh sudov. Izd. 2., peier. Moskva, Transport, 1965. 290 p.
- BARANOV, I. U. K., and M. M. LESKOV. [Collection of problems on the use of radar in the prevention of ship collisions] Sbornik zadach po ispol'zovaniyu radiolokatora dlia preduprezhdeniya stolknoveniy sudov Moskva, Transport, 1964. 60 p. (Kursy usovershenstvovaniya plavsoyasta MMF) [MICROFILM]
- BRACIN, V. P. [The young sailor of the All-Union Volunteer Society for Assistance to the Army, Navy, and Air Force] Iunyi moriak DOSAAF. Izd. 2., Moskva, DOSAAF, 1965. 140 p.
- CHEREPANOV, V. I. A. [Repair of the steel bodies of vessels and machines used in lumber floating] Remont stal'nykh korpusov lesosplavnykh sudov i mashin. Moskva, Lesnaya promyshlennost', 1965. 181 p.
- [CIVIL DEFENSE IN RURAL AREAS, a training manual] Grazhdanskaya oborona v sel'skikh rayonakh, uchebnoe posobie. Moskva, Voenizdat, 1965. 159 p.
- DANCHEVSKI, V. I., and B. I. SAVEL'EV, comps. [Italian-Russian military dictionary] Ital'iansko-russkii voennyi slovar'. Moskva, Voenizdat, 1965. 404 p.
- EGOROV, I. T., and V. T. SOKOLOV. [Hydrodynamics of high-speed vessels] Gidrodinamika bystrokhodnykh sudov. Leningrad, Sudostroenie, 1965. 383 p.
- [ELECTRICAL ENGINEERING AND ELECTRICAL EQUIPMENT OF SHIPS] Elektricheskaya i elektrooborudovanie sudov. [By] M. B. Bernshteyn i dr. Moskva, Transport, 1964. 504 p.
- GRIGOR'EV, L. I. A. [Ship vessels operating under pressure; determination of stresses and deformations] Sudovye sosudy, rabotayushchie pod davleniem, opredeleniye napriazheniy i deformatsiy. Leningrad, Sudostroenie, 1965. 194 p.
- HITCH, CHARLES JOHNSTON, and R. N. MCKEAN. [The economics of defense in the nuclear age. Translated from the English] Voennoye ekonomika v yadernyy vek. Pod red. i s predisl. A. A. Kornilenko i V. M. Kulakova. Moskva, Voen. Izd-vo, 1964. 622 p. (InU)
- KRIVONOSOV, L. M. [Calculations and design in amateur boatbuilding] Raschety i chertezhi v lyubitelskom sudostroyenii. Moskva, DOSAAF, 1964. 166 p.
- LASHCHENKO, P. N. [Officer's youth] Ofitserskaya lunost'. Moskva, Voenizdat, 1965. 280 p.
- NECHAEV, P. A., and N. B. KUDREVICH. [Electronic navigation instruments] Elektronavigatsionnye pribory. Izd. 2., ispr. i dop. Moskva, Transport, 1965. 495 p. diagr. (insert)
- [OUR PRIDE, OUR GLORY; for young people about the Armed Forces of the Soviet Union] Nasha gordost', nasha slava; molodezhi o Vooruzhennykh Silakh Sovetskogo Soyuza. [Moskva] Molodaya gvardiya, 1965. 202 p.
- PAPIR, A. N. [Axial-flow pumps for water-jet propellers; principles of their theory and design] Osevoye nasosy vodometnykh dvizhiteley; osnovy teorii i rascheta. Leningrad, Sudostroenie, 1965. 250 p.
- RAINS, A., V. REIZINS, and P. ELVINS. [The Latvian Rezolme Regiment in the air...; Latvian pilots in the Great Patriotic War] V vozdukh Latvyskii Rezhitskii...; latyshskie letchiki v Velikoi Otechestvennoy voine. Riga, Izd-vo "Liesma," 1965. 267 p.
- RAZDROGEN, I. V. [Mounting of mechanisms on plastic ships] Krepление mekhanizmov na sudakh iz plastmass. Leningrad, Sudostroenie, 1965. 147 p.
- ROUZÉ, MICHEL. [Robert Oppenheimer and the atomic bomb. Abridged translation from the French] Robert Oppenheimer i atomnaya bomba. Moskva, Gosatomizdat, 1963. 147 p. illus (NoD)
- ROZNIATOWSKI, T., and Z. ZOLTOWSKI. [Biological warfare, threat and actuality. Translated from the Polish] Biologicheskaya voyna, ugroza i deystvitel'nost'. Moskva, Izd-vo inostr. lit-ry, 1959. 330 p.
- SHAPILOV, V. M. [Safety measures in operating the electric equipment of ships] Tekhnika bezopasnosti pri ekspluatatsii elektrooborudovaniya sudov. Pod red. G. M. Nikitina. Moskva, Transport, 1965. 50 p.
- SHIBAEV, N. F. [Fighting with rockets] Bor'ba s raketami. Moskva, Voenizdat, 1965. 128 p. (Za voenno-tekhnicheskoye znanie)
- SMIRNOV, V. I., and V. V. MESHCHERIAKOV. [Testing and inspecting glass-reinforced plastics used in shipbuilding] Ispytaniye i kontrol' sudostroyitel'nykh stekloplastikov. Leningrad, Sudostroenie, 1965. 186 p. (Khimiya v sudostroyenii)
- [SPANISH-RUSSIAN AND RUSSIAN-SPANISH MILITARY DICTIONARY] Ispano-Russkii i Russko-Ispaniskii voennyi slovar'. Moskva, Voenizdat, 1965. 632 p.
- TARASOV-AGALAKOV, N. A., and A. I. POPOVSKI. [Extinction of fires in the focus of a nuclear explosion] Tusheniye pozharov v yadernom ochnye porazheniya. Moskva, DOSAAF, 1965. 41 p. (Naseleniye o grazhdanskoy oborone)
- [UNIT ADMINISTRATOR'S MANUAL] Spravochnik volskovogo khozaystvennika. Moskva, Voenizdat, 1965. 462 p.
- VAL'KOV, G. P. [Organization of cargo handling; problems and examples] Organizatsiya giuzovykh rabot; zadachi i primery. Moskva, Transport, 1965. 299 p.
- VERETE, A. G. [Marine steam and gas turbines] Sudovye parovyye i gazovyye turbiny. Izd. 2., ispr. i dop. Moskva, Transport, 1965. 350 p. diagrs. (insert)

## PART B—PERIODICALS

An asterisk (\*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

### 1. GENERAL

#### a. SCHOLARLY JOURNALS

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, *Izvestiya, Seriya fiziko-tekhnicheskikh i matematicheskikh nauk* [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin, Series in the Physical, Technological, and Mathematical Sciences], Baku, no. 6, 1964.

#### Table of contents translated.

- Makhmudov, A.S. - Uniform convergence of certain orthogonal series, p. 3.  
Shirvanov, A.G. - Problem of finding the Chebyshev point of a system of linear inequalities, p. 13.  
Ibragimov, M.R. - Designing beams of minimum weight under movable load, p. 10.  
Makhmudov, I.U.A. - Computers with ferrite-diode elements, p. 27.  
Mukhtarov, I.A. - Steadily rotating molecules of  $\text{FH}_2\text{C} - \text{CH}_2\text{Cl}$ , p. 37.  
Abdullaev, M.N., Guseinov, N.G. - High-frequency magnetic susceptibility of weak ferromagnets in the antiferromagnetic state, p. 43.  
Abdullaev, G.B., Allarova, Z.A., Guseinov, D.T. - P-n-junctions with negative resistance, p. 47.  
X-ray diffraction study of the residual stresses building up in tube-rolling instruments, p. 53.  
Khalilov, A.Kh. - Effect of  $\text{Ca}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Ba}^{2+}$ ,  $\text{Cd}^{2+}$ , and  $\text{Mg}^{2+}$  ions on the energy distribution in the spectra of various types of luminescence of KCl and NaCl phosphors, p. 61.  
Guliev, I.U.E. - Controlling the hydrostations of a power system as a problem of the shortest way in a labyrinth, p. 69.  
Gul'mamedov, I.I. - Stability of electric drives fed by autonomous generating units, p. 75.  
Shirinzade, S.A., Kasimov, I.F. - Determining the temperature of a fluid along the axis of the column in pressure wells, p. 81.  
Akmedov, Z.M. - Gas-hydrodynamic calculations to support the exploitation of a gas-condensate deposit to depletion, p. 85.  
Polak, L.S., Mukhtarova, T.A. - System of equations for a plasma flow with allowance for the reactions of methane decomposition in it, p. 93.

No 1, 1965

#### Table of contents translated.

- Novruzov, A.A. - The Harnack inequality for the solution of elliptic equations, p. 3.  
Mamedov, I.A.D., Perov, A.I. - Volterra type n-dimensional integral equations and inequalities, p. 7.  
Sadykhov, G.S. - Growth in a strip of functions defined by Dirichlet series, p. 20.  
Safarov, G.G. - Motions of a viscous two-component fluid in the boundary layer, p. 30.  
Kergerlinskii, G.A. - Structural redundancy of machine information, p. 40.  
Shaulov, I.U.Kh., Nadjafzade, I.U.B. - Heat of combustion of tetrachloroethane, p. 47.  
Kosirukov, V.N., Shaulov, I.U.Kh., Gumbatov, D.O. - Thermodynamic studies at low temperatures, p. 53.  
Lange, V.N., Titov, V.A. - Density and thermal expansion coefficient of selenium containing small additions of indium, p. 59.  
Guseynova, E.S., Mekhtiev, R.F. - X-ray conductivity and emission conductivity of GaSe single crystals.

Effect of sodium admixture of selenium, p. 66.  
Spectrum of the trifluoride

theory of the  
by antiferro-

Use of an electric  
seismic

imova, R.M. -  
ctors on the  
and the flood-  
model, p. 89.

- Suleimanov, I.A.M. - Plane problem concerning the contraction of the water-oil boundary, p. 96.  
Casanov, A.Kh. - Dynamics of well flooding in a tapering bed, p. 102.  
Abdullaev, A.A., Kulliev, A.M. - Investigating the flow of gas-cut oil in case of high oil saturation, p. 107.

AKADEMIA NAUK SSSR, Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal], Moscow, vol. 35, no. 4, Apr. 1965.

#### Table of contents translated:

- In the name of the victory of communism! p. 3.  
Slutskii, M.S., Sidorov, V.I., Novik, I.B. - Lenin's ideas and modern natural science, p. 6.  
Kol'tsov, A.V. - Lenin's care for the progress of science; materials of the Archives of the Academy of Sciences of the U.S.S.R., p. 11.  
Abrukosov, A.A. - The problem of superconductivity, p. 17.  
Tamm, I.E. - Present state of the physics of elementary particles, p. 30.  
Ierusalimskii, N.D. - Theoretical and industrial aspects of microbiological synthesis, p. 42.  
Spirin, A.S. - Biosynthesis of proteins, p. 51.  
Aksenov, I.I.A. - Congress on cybernetics held in Belgium, p. 65.  
Borenskov, G.K. - Development of research on heterogeneous catalysis, results of the 3d International Congress on Catalysis, p. 69.  
Strykovich, M.A. - International session of power engineers in Lausanne, p. 73.  
Erpylov, N.P. - Symposium on problems in establishing a European geodetic network on the basis of the observations of artificial earth satellites held in Paris, p. 77.  
Khovanskii, G.S. - Second conference on nomography held in Czechoslovakia, p. 79.  
Zuev, V.S., Krokhin, O.N. - Two conferences on lasers and their uses held in Geneva and in London, p. 80.  
Gorjunova, N.A., Kirenkii, L.V., Klavson-Neklyudova, M.V. - Colloquium on solid state physics held in Rumania, p. 82.  
Belov, K.P. - Colloquium on ferromagnetism held in Poland, p. 83.  
Pinsker, Z.G., Kiselev, N.A. - 3d European Regional Conference on Electron Microscopy held in Prague, p. 83.  
Frumkin, A.N., Shumilova, N.A., Chizmadzhev, I.U.A. - 15th Conference of the International Committee of Electrochemical Thermodynamics and Kinetics held in London, p. 85.  
Smirnov, G.D. - Conference on telestimulation and telemetry held in the German Democratic Republic, p. 87.  
Pollanskii, I.U.I. - International Parasitological Congress held in Rome, p. 89.  
Sibirova, G.A. - Conference of Soviet and Italian historians held in Moscow, p. 89.  
Kositayn, A.P. - Conference of the jurists of socialist countries held in Hungary, p. 91.  
Sheinman, M.M. - Scientific conference on the problem "Contemporary clerical ideology and policy" held in Czechoslovakia, p. 93.  
Kartashkin, V.A. - Visits of foreign scientists to the U.S.S.R., p. 95.  
Kulikov, G.S. - Study of diffusion in semiconductors; all-Union conference, p. 97.  
Babitskii, V.I. - Problems of the dynamics of vibratory percussion systems; symposium in Moscow, p. 99.  
Polozova, L.I.A., Kutiurin, V.M. - Development of research on photosynthesis; Session of the Department of Biochemistry Biophysics and Chemistry of Physiologically Active Compounds, p. 100.  
Zhurbitkii, Z.I., Shtrausberg, D.V. - Theoretical basis of the control of mineral nutrition of plants; conference in Moscow, p. 102.  
Komarskikh, E.A. - Study of phytonides; conference in Novosibirsk, p. 104.  
Bestuzhev, I.V. - Problems in the history of the First World War; scientific session in Moscow, p. 105.  
Nalimov, V.V. - Problems in planning an experiment; first all-Union conference, p. 109.  
Venediktov, G.K. - Mapping as a method of historical linguistic research; conference in Moscow, p. 111.

- Shishlannikov, I.U.R. - Organization of business accounting in plants; Scientific Session in Moscow, p. 13.  
Plotkin, S.I.A. - New materials and their role in the development of production; conference in Leningrad, p. 114.  
Pini, O.A. - Studying the works of N.A. Nekrasov; conference in Kostroma, p. 117.  
Stennik, I.U.V. - National traditions in the Russian literature of the 18th century, conference in Leningrad, p. 118.  
In honor of Academician A.I. Mintz, p. 121.

Vol. 35, no. 5, May 1965

#### Table of contents translated.

- Keldysh, M.V. - Lenin Prize winners in 1965, p. 3.  
Scientific activity of the Academy of Sciences of the Turkmen S.S.R., p. 11.  
Trends in the work of the Africana Institute, p. 16.  
Kumanev, G.A., Zhilin, P.A. - Soviet historical literature on the Great Patriotic War, p. 21.  
Kol'tsov, A.V. - Documents on the attitude of scientists; materials of the Archives of the Academy of Sciences of the U.S.S.R., p. 27.  
Scientific conference of historians, p. 32.  
Artsimovich, L.A. - Some problems in the physics of high-temperature plasma, p. 30.  
Ioffe, M.S. - Confinement of stable plasma in magnetic mirror traps, p. 46.  
Zavolskii, E.K. - Turbulent heating of plasma, p. 53.  
Gringauz, K.I. - Circumterrestrial and interplanetary plasma, p. 60.  
Gnevyshev, M.N. - Recent data on solar activity and its effect on the earth, p. 67.  
Il'in, V.A. - Large telemechanical systems with multistage control, p. 72.  
Dader, O.N. - Oldest Upper Paleolithic burials near Vladimir, p. 77.  
Agosikov, M.I., Karpenko, O.M. - Discussion of principles governing the planning of scientific research, p. 81.  
Kudriavtsev, V.A., Regol', A.R. - Joint research on semiconductors, p. 86.  
Ostrovskii, K.V. - At the conference of economists in Bulgaria, p. 89.  
Kolmogorov, A.N. - Problems in the theory of probability and mathematical statistics; general assembly of the Department of Mathematics, p. 94.  
Frank, I.M. - Use of nuclear methods in solid state physics; joint scientific session, p. 96.  
Erpylov, N.P. - Recent results of astronomical research; plenum of the Astronomical Council, p. 98.  
Volkov, A.N. - Development of the theory of shells and plates; 5th All-Union conference, p. 100.  
Bellanin, V.B. - Spectroscopy and its uses; 16th conference, p. 101.  
Krontsoll', B.A. - New polymeric materials; 15th conference on macromolecular compounds, p. 103.  
Lange, K.A. - Human and animal physiology; session of the Joint Scientific Council, p. 106.  
Kashkin, N.I. - Congress of the All-Union Hydrobiological Society, p. 108.  
Likharev, I.M. - Mollusks and their practical significance; conference in Leningrad, p. 110.  
Olikerov, A.N. - Study of torrential floods; conference in Lvov, p. 112.  
Formal meeting in memory of M.C. Lomonosov: Introductory address by Academician M.V. Keldysh, President of the Academy of Sciences of the U.S.S.R., p. 113.  
Sodov, L.I. - Lomonosov and the principles of natural science, p. 116.  
A.A. Kharkovich; an obituary, p. 126.

AKADEMIA NAUK SSSR, Dal'nevostochnyi filial, Vladivostok, Soobshcheniia [ACADEMY OF SCIENCES OF THE U.S.S.R. Far Eastern Branch, Reports], Vladivostok, no. 21, 1963.

#### Table of contents translated:

- Govorov, I.N., Minaeva, N.A., Stunzhas, A.A. - Geochemistry of niobium, p. 3.  
Khetchikov, L.N., Garbuzov, P.S., Gus'kova, A.N. - pH suspension of sphalerite and galenite in the skarn-complex metal and tin-sulfide deposits of Maritime Territory, p. 8.  
Ivashov, P.V., Naborshehtkov, V.P. - Continental Mesozoic sediments in the Glazovskaya syncline of the Russian Platform, p. 15.

- Ivashov, P. V. - Pyrite concretions of continental Middle Jurassic sediments and the conditions governing their formation. p. 23.
- Gutnikova, Z. I., Vorob'eva, P. P., Bieva, St. - Development and productivity of cultivated ginseng under various geological conditions. p. 29.
- Vasil'ev, N. G. - Forests consisting of Maksimovich's poplar in the Ussury basin. p. 33.
- Glazov, N. M. - Factors determining the difference in the variation of the diameters and heights of Dahurian larch trees. p. 39.
- Malozov, V. M. - Anniversary session of the Scientific Council. p. 45.
- AKADEMIJA NAUK TURKMENSKOI SSR, Ashkhabad, Izvestiia, Seriya obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin, Series in the Social Sciences], Ashkhabad, no. 6, 1964.
- Table of contents translated
- Maidzhikov, B. - Adoption of the constitution of the Turkmen S.S.R. in 1937. p. 3.
- Ashirov, S. - Training of qualified workers' groups in the system for developing hidden labor potentialities of the Turkmen S.S.R., 1946-1958. p. 10.
- Beidyev, O., Koiobkova, G. F. - The use of stone and bone implements found in Chagylia-depe. p. 19.
- Ovezov, D. - Marriage rites of the Turkmen in the Sumbara and Chandyra Valleys at the end of the 19th and beginning of the 20th century. p. 27.
- Nikolaiuk, M. A. - Improving the feed supply on the collective farms in the Murghab and Tedzhen Oases. p. 35.
- Saryov, B. - Some special features of crimes consisting of remnants of local customs, according to the present Criminal Code of the Turkmen S.S.R. p. 44.
- Azimova, L. - National features in Kh. Der'iaev's novel "Fate." p. 54.
- Nuraliev, D. - Russian Orientalists and the Turkmen folk literature. p. 62.
- Annamukhamedov, M. - Turkmen poets who lived on the territory of Bukhara. p. 73.
- Annamukhamedov, A. - Syntactical features of Kh. Der'iaev's novel "Fate." p. 82.
- Ambartsumova, M. A. - Certain problems concerning the economic development of the lagging collective farms in the Turkmen S.S.R. p. 90.
- Khutalberdyev, D., Orazov, A., Beidyev, O. - The Seventh International Congress of Anthropological and Ethnographical Sciences. p. 94.
- EESTI NSV TEADUSTE AKADEEMIA, Toimetised, Ühiskonnateaduste seeria, Izvestiia Akademii nauk Estoniskoi SSR Seriya obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin, Series in the Social Sciences], Tallinn, vol. 14, no. 2, 1965.
- LENINGRAD, UNIVERSITET, Vestnik [UNIVERSITY, Review], Vol. 20, no. 9, 1965, Seriya biologii [Series in Biology], no. 2.
- Table of contents translated
- Kas'ianov, V. L., Sologub, M. I. - Microelectrode study of intracellular potentials of the unfertilized egg cell in Rana temporaria. p. 5.
- Minchev, I. S. - Nervous system of lower Opisthobranchia (Gastropoda). p. 13.
- Petrov, O. V. - Significance of forest ravines in the life of murine rodents of steppe oak forests. p. 26.
- Nitsenko, A. A. - Classification of successions. p. 33.
- Chasovennaya, A. A. - Interrelationships of plants in cultivated communities. p. 47.
- Shmidt, V. M. - Coastal flora in the vicinity of Naap-salu. p. 64.
- Komkova, A. I., Petrov, V. S., Goriukhina, O. A. - Phosphoproteins of structural elements of the nuclear fraction of a nervous tissue. p. 74.
- Makarov, P. V. - Nature of protoplasm changes responsible for the occurrence of cellular paralysis. p. 80.
- Pavinskii, P. P. - Optical-acoustic effect and its influence on auditory analyzer. p. 95.
- Semikhatova, O. A., Bushueva, T. M. - Changes in biochemical activity and structure of mitochondria isolated from plants suffering from calcium deficiency. p. 106.
- Vainshtein, E. A., Soldatenkov, S. V. - Effect of sodium fluoride on the respiration of bean leaves and the formation of acids in them. p. 113.
- Gromov, B. V., Avilov, I. A. - Quantitative classification of algae of the genus Chlorella. p. 118.
- Zakharov, I. A. - Genetic consequences of the intra-tetrad pairing of ascospores in yeasts. p. 124.
- Sinkha, Suresh P. - Effect of EDTA on the process of crossingover in various lines of *Drosophila melanogaster*. p. 130.
- Tugarinov, V. V. - Obtaining streptomycin-resistant and streptomycin-dependent strains in *Chlorella vulgaris*. p. 136.
- Schastnaya, L. S. - Soil forming rocks on the territory of the Forestry Training Station "Les na Vorskla." p. 143.
- Bera, E. P. - Study of proteins of the protocoal alga *Chlorella pyrenoidosa*. p. 157.
- TSimbak, A. K. - Helminths of malfaid nesting and wintering on the Commander Islands. p. 160.
- Kolotilova, A. I. - Vladimir Aleksandrovich Engel'gardt, on his 70th birthday. p. 165.
- MOSCOW, MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE, Studies], No. 194, 1963, Perception and imagination, experimental research.
- Table of contents translated
- Ignat'ev, E. I. - Age-conditioned characteristics of the formation of the visual image in children. p. 5.
- TSivanuk, N. A. - Perception of the similarities and differences between geometrical figures in preschool children. p. 37.
- Filippuk, G. S. - Psychological characteristics of the development of observation in preschool children. p. 55.
- Verosatskaya, K. I. - Visual perception of the images of objects. p. 93.
- Stepanov, V. G. - Analytical and synthetical activity during the process of visual recognition. p. 125.
- Lukin, N. S. - Age-conditioned differences in observation processes in schoolchildren. p. 170.
- Muzafarov, M. A. - Age-conditioned characteristics of the development of recreative imagination in schoolchildren. p. 225.
- Dudetskii, A. I. A. - Role of spontaneous perceptions and ideas in the activity of the creative imagination of schoolchildren. p. 253.
- Romashko, V. A. - Some characteristics of the compositional construction of drawings by schoolchildren. p. 283.
- Korolenko, K. Kh., Umanskii, L. I. - Some disturbances of space components in the perceptions and ideas of the healthy and sick people. p. 311.
- Makhonin, V. A. - Technical models of the visual analyzer. p. 336.
- MOSCOW, MOSKOVSKII OBLASTNOI PEDAGOGICHESKII INSTITUT, Uchenye zapiski [MOSCOW PROVINCE PEDAGOGICAL INSTITUTE, Studies], Vol. 124, 1963, Fizicheskaya geografiya [Physical Geography], no. 10.
- Table of contents translated:
- Govorukhin, V. S. - Meadows of the southern part of Moscow Province and physiogeographical conditions of their distribution and development. p. 3.
- Matveev, N. P. - Nature of the placers, rock streams, and hillside wastes of the Denezhkin Kamen' Massif, in the Northern Urals. p. 47.
- Strigin, V. M. - Present-day erosion processes in the Denezhkin Kamen' region, the Northern Urals. p. 93.
- Iastrebov, E. V. - Several hydrographical characteristics of the Polym River. p. 109.
- Fedorovskii, V. A. - Suffosion and the erosional process. p. 121.
- Matveev, N. P. - Method for plotting maps of rain precipitation energy, and their use in geomorphological analysis. p. 131.
- Bazhenov, B. P. - History of the study of placer deposits in the Zuya River Basin. p. 159.
- Znamenskii, A. M. - Tripoli of Moscow Province. p. 169.
- Znamenskii, A. M. - The most efficient way of using the Moscow Basin low-grade high-ash content brown coals. p. 193.
- Serbarinov, A. E. - Paleogeography of the Jurassic of the southeastern part of Moscow Province. p. 205.
- Morokhovskaya, V. V. - Mineral waters of Kaluga Province. p. 217.
- Morokhovskaya, V. V. - The Kashin balneological resort. p. 243.
- Pribytkov, N. V. - Climate's role in the distribution of forests in the Slavropol Territory. p. 271.
- Zhukov, A. I. - Biological control and time for placing mineral fertilizers as factors in increasing the yield of narrow-leaved lupine on turf-Podzolic and sandy loam soils. p. 305.
- Patarala, L. M. - Varieties and forms of the several types of Moscow Province fern. p. 327.
- Abashkin, V. P. - Method for sampling one of the pyrite deposits in the Northern Caucasus. p. 335.
- Tilov, V. I. - Possibility of complex meteorological conditions on the European part of the Union caused by baric formations. p. 337.
- SARANSK, MORDOVSKII GOSUDARSTVENNYI UNIVERSITET, Uchenye zapiski [MORDOVIAN STATE UNIVERSITY, Studies], No. 15, pt. 2, 1963.
- Table of contents translated.
- Denisov, V. I. - The foundations for construction projects in Mordovia. p. 3.
- Karlashov, V. A. - One of the problems of thermal stress in oblique spans of bridges. p. 12.
- Liupae, B. M., Dobrovolskaya, V. V. - Using flexible strings in hydraulic construction. p. 21.
- Karlashov, V. A. - Using affine transformations in calculating oblique bridges and other structures. p. 27.
- Denisov, V. F. - Stability of hydraulic systems. p. 52.
- Chernov, I. U. V. - Approximate equations of the length of disturbance and lateral scale of turbulence. p. 62.
- Denisov, V. F. - Experimental determination of the axial hydrodynamic force in hydraulic slide valves. p. 68.
- Podoshkin, N. V. - Effect of the speed of cutting on the quality of the surface during the grinding of steel. p. 71.
- Botov, V. I. - Stand for rolling and testing tractor transmission cases. p. 81.
- Taran, L. A. - Calculating prestressed reinforced concrete pipes for strength and crack resistance by using tables. p. 87.
- Taran, L. A. - Some results of an experimental and theoretical study of the preparation of reinforced concrete pressure pipes. p. 96.
- Taran, L. A. - New types of equipment for preparing reinforced concrete pipes and pipe fittings for pipelines. p. 106.
- Liupae, B. M. - Using additives to speed the hardening of concrete during the inadequacy of the curing cycle for reinforced concrete products in case-type chambers. p. 135.
- No. 41, 1964.
- Table of contents translated:
- Nariadkin, A. V. - Summation of double trigonometric Fourier series of summable functions. p. 5.
- Nariadkin, A. V. - Method for the summation of double trigonometric Fourier series. p. 21.
- Nariadkin, A. V. - Extension of a theorem of Wiener to double trigonometric Fourier series. p. 29.
- Nariadkin, A. V. - Bounded regularity of the  $R_{\lambda}^{\alpha}$  method. p. 33.
- Sarokina, V. I. - Decomposition of groups and linear sets containing disjunctive elements. p. 37.
- Pikus, D. L. - Euclidean geometry without symmetry. p. 53.
- Plasetskii, S. A. - Conditions defining an  $m$ -surface in an equicentroidal complex  $E_{m+2}$  space. p. 59.
- Plasetskii, S. A. - Equicentroidal invariants of the two-dimensional surface of a four-dimensional complex  $E_4^*$  space. p. 67.
- Rabnovich, V. L. - Lines in square nets and cubic lattices. p. 72.
- Rak, A. E. - The Babylonian cuneiform table Plimpton 322. p. 87.
- Demidov, V. P. - A visual aid in the general theory of curves of the second order. p. 101.
- Min'kin, I. M. - Determining the precision of certain measurements taken in school. p. 103.
- Min'kin, I. M. - Training of students for conducting measurements in the field and determining the measurement errors. p. 139.
- Plasetskii, S. A. - Elements of vector algebra in school. p. 151.
- Plasetskii, S. A. - Some applications of vector algebra. p. 161.
- TARTU, ULIKOOL, Toimetised, Uchenye zapiski [Tartusko gosudarstvenno universiteta [UNIVERSITY, Studies], No. 146, 1964.
- b. POPULAR MAGAZINES
- AMERIKA, Illustirovannyy zhurnal [AMERICA ILLUSTRATED], Published by the United States Information Agency - Washington, D.C., no. 106, 1965.
- AZIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY], Issued by Institut narodov Azii i Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.], Moscow, vol. 8, no. 6, June 1965.
- Table of contents translated:
- Japan, our neighbor. p. 2.
- Our relations are improving. p. 3.
- A leap forward. p. 5.
- Kikou, V. - What is the secret of the Japanese boat? p. 7.
- Vorbitskii, S. - From the heights of the Tokyo Tower. p. 10.
- Winners of the International Lenin Prizes "for strengthening peace among the nations." p. 13.
- A meeting with Japanese socialists. p. 14.
- Khlynov, V. - Why do the Japanese workers go on strike. p. 16.
- Svetlov, G. - Problems of the Japanese village. p. 20.
- Americans, go home! p. 22.
- Kuznetsov, I. U. - Buddhism and politics. p. 27.
- Komarovskii, G. - Mokuziki's "Smiling Buddha." p. 30.
- Write in the new way about the new phenomena in life. p. 31.
- The light and shadows of the screen. p. 33.



- Nikolaev, I. - The stormy end of perennial negotiations p 35, 41  
 Vietnam, a country where blood is shed p 36  
 Potapchik, F. - The strike of the Shanghai proletariat in 1925 p 39  
 Gurov, V. - The freedom torch of South Africa p 40  
 Panchenko, M. - Drums of anticommunism p 42  
 Rur'ev, V. - Why the Americans are in no hurry p 44  
 Pakin, N. - Syria makes a choice p 46  
 Bodirskii, V. - The command of time p 49  
 Shalpin, O. - Minna has changed p 50  
 Anvar, A. - Treasures of the Indian Office Library p 53  
 Ub'in, E. - Money and independence p 54  
 Gelvandov, K. - Tradition of the deep antiquity p 57

**BARVINOK [PERIWINKLE].** Issued by Tsentral'nyi komitet Leninskogo komunisticheskogo soiuza molodi Ukrainy i Respublikanskii sovet planerskai organizatsii imeni V.I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, nos. 5-6, May-June 1965.

**BIAROZKA [THE LITTLE BIRCH].** Issued by Tsentral'nyi komitet Leninskogo komunisticheskogo soiuza molodi Belarusi i Respublikanskii sovet planerskai organizatsii imeni V.I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Minsk, vol. 41, nos. 4-6, Apr.-June 1965.

**CHAIAN [SCORPION].** Kazan, vol. 41, no. 21(810), Nov. 1964.

**DADZIS [THISTLE].** Riga, nos. 11(203)-12(204), 1965 [In Latvian].

**DRUZHNO VPERED [FORWARD TOGETHER].** Issued by Kul'turna spilka ukrain's'kykh trudiashech'nykh Chexoslovachel'nykh [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 15, no. 6(203), June 1965 [In Ukrainian].

**KAPKAN, chuvashskii satiricheski zhurnal [TRAP, Chuvash Satirical Magazine].** Chelobskary, nos. 11 (476)-13(478), June-July 1965. [In Chuvash].

**KHOPRUSHAK [HEDGEHOG].** Dushanbe, no. 5(144), May 1965. [In Tajik].

**KITAI [CHINA].** Published by Izdatel'stvo literatury na inostrannykh yazykakh [Publishing House for Literature in Foreign Languages]. Peking, no. 3, 1965.

**KOREIA [KOREA].** Pyongyang, no. 2(103), 1965.

**KOSTER [CAMPFIRE].** Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo komunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, nos. 5, 7, May, July 1965.

**KROKODIL [CROCODILE].** Issued by gazeta [Newspaper] "Pravda," Moscow, vol. 43, nos. 15(1773)-17 (1775), 19(1777), May-July 1965.

**KUL'TURA I ZHIZN' [CULTURE AND LIFE].** Issued by Soiuз sovetskikh oshchestv družby i kul'turnoi svyazi s zarubezhnyimi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 9, nos. 6-7, 1965.

**KULTUR JA ELU [CULTURE AND LIFE].** Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Aielühingute Nõukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallin, vol. 8, no. 6, June 1965 [In Estonian].

**LIESMA [FLAME].** Issued by Latvijas LKSJ Centrālā komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 6(87), June 1965 [In Latvian].

**MURZINKA.** Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo komunisticheskogo soiuza molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I. Lenin All-Union Pioneer Organization]. Moscow, no. 6, June 1965.

**NIVA [FIELDS OF GRAIN].** Moscow, nos. 1, 4, 1965.

**NOORUS [YOUTH].** Issued by Eestimaale Leninliku Kommunistliku Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallin, vol. 20, no. 6(224), June 1965. [In Estonian].

**OGONEK [THE LITTLE LIGHT].** Moscow, vol. 43, nos. 24(1981)-26(1985), June-July 1965.

**OTCHIZNA, pi hozhentie k zhurnal "Golos Rodny" [THE FATHERLAND, Supplement to the Periodical "The Voice of Our Country"].** Issued by Sovetskii komitet po kul'turnym svyaziam s sotochestvennikami za rubezhom [Soviet Committee for Cultural Relations with Our Countrymen Abroad]. Berlin, nos. 6(20)-7(21), June-July 1965.

**PERETS [PEPPER].** Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 25, no. 11 (550), June 1965.

**PILT JA SONA [PICTURE AND WORD].** Tallin, vol. 20, nos. 5(228)-7(230), May-July 1965. [In Estonian].

**PIONER [PIONEER].** Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo komunisticheskogo soiuza molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 42, no. 6, June 1965.

**RODINA [OUR COUNTRY].** Issued by Komitet za vozvrashchenie na Rodinu i razvitie kul'turnykh svyazei s sotochestvennikami [Committee for Repatriation and Development of Cultural Relations with our Countrymen]. Berlin, no. 3, May-June 1965.

**SEL'SKAIA MOLODEZH' [RURAL YOUTH].** Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 32, no. 6, June 1965.

**SLUOTA [THE BROOM].** Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 10(257), 12(259), May-June 1965. [In Lithuanian].

**SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE].** Organ of Ministerstvo kul'tury USSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no. 6, June 1965.

**SOVETSKII SOIUZ [SOVIET UNION].** Moscow, no. 8 (186), 1965.

**SOVREMENNAAIA MONGOLIA [CONTEMPORARY MONGOLIA].** Ulan Bator, vol. 9, no. 5(88), May 1965.

**SVOBODNOE SLOVO; ozhemesiachnyi karpato-russkii zhurnal [FREE WORD, Carpatho-Russian Monthly].** Newark, vol. 7, no. 3/4(75-76), 1965.

**SVYTURYS [THE LIGHTHOUSE].** Vilnius, vol. 17, no. 11(395), June 1965. [In Lithuanian].

**UKRAINA [THE UKRAINE].** Published by Vydavnytstvo "Tadians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol. 25, nos. 25(441), 28(444)-30 (446), June-July 1965.

**UKRAINS'KE TOVARYSTVO DRUZHBY I KUL'TURNOHO ZV'IAZKU Z ZARUBIZHNYMY KRANAMY, Po razdians'kii Ukraini; fotozhurnal [UKRAINIAN SOCIETY FOR FRIENDSHIP AND CULTURAL RELATIONS WITH FOREIGN COUNTRIES. Through the Soviet Ukraine; Photo Report].** Kiev, no. 12, 1961; no. 1, 1962; no. 1/2, 1965.

**URAL'SKII SLEDOPYT [URAL PATHFINDER].** Issued by Sverdlovskoe otdelenie Soiuza pisatelei and Sverdlovskoe promyshlennyyi i sel'skii obkomy VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Industrial and Agricultural Committees of the All-Union Communist Youth League of Lenin]. Sverdlovsk, vol. 8, nos. 3-5, Mar.-May 1965.

**UZBEKISTON [UZBEKISTAN].** Tashkent, vol. 24, nos. 2(278), 6(282), Feb., June 1965.

**VOPROSY I OTVETY [QUESTIONS AND ANSWERS].** Moscow, no. 5(174), May 1965.

**VOZHATYI [PIONEER GUIDE].** Published by Tsentral'nyi komitet Vsesoiuznogo leninskogo komunisticheskogo soiuza molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 41, no. 7, July 1965.

**VOZHYYK [HEDGEHOG].** Minsk, vol. 25, no. 10(609), May 1965.

**ZHIZN' GLUKNIKH [LIFE OF THE DEAF].** Issued by Vserossiiskoe obshchestvo glukikh [All-Russian Society of the Deaf]. Moscow, vol. 10, no. 7, July 1965.

**ZHIZN' SLEPYKH [LIFE OF THE BLIND].** Organ of Vserossiiskoe obshchestvo slepykh [All-Russian Society of the Blind]. Moscow, vol. 42, nos. 6-7, June-July 1965.

**ZVAIGZNE [THE STAR].** Riga, vol. 15, nos. 12(359)-13(360), June-July 1965. [In Latvian].

## 2. BIBLIOGRAPHY

### a. BIBLIOGRAPHY

**INFORMATSIONNYI UKAZATEL' BIBLIOGRAFIČESKIIH SPISKOV I KARTOTEK, SOSTAVLĖNNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION].** Issued by Gosstatizdat bibliotek SSSR [State Library of the U.S.S.R.]. Moscow, vol. 9, no. 11, June 1965.

**JAUNAS GRAMATAS [NEW BOOKS].** Riga, no. 5(87), May 1965. [In Latvian].

**KNIZHNAIA LETOPIS' [BOOK CHRONICLE].** Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 23-30, 1965. Vspomogatel'nye ukazateli k nos. 1-13 za 1965 g. [Indexes to nos. 1-13 for 1965].

Dopolnitel'nyi vypusk [Supplementary Issue]. No. 4, 1965. Vspomogatel'nye ukazateli k nos. 1-3 za 1965 g. [Indexes to nos. 1-3 for 1965].

**LATVIJAS PSR PRESS HRONIKA. LETOPIS' PĪCHATI LATVIŠKOJ SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.].** Issued by Latvian PSR gramatu palata [Book Chamber of the Latvian S.S.R.]. Riga, no. 3, Mar. 1965.

**LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES].** Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 5, 1965. Vspomogatel'nye ukazateli k nos. 1-3 za 1965 [Indexes to nos. 1-3 for 1965].

**LETOPIS' RETSENZII [CHRONICLE OF REVIEWS].** Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 2, 1965.

**LETOPIS' ZHURNAL'NYKH STATII [CHRONICLE OF PERIODICAL ARTICLES].** Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 23-28, 1965.

**MOSCOW. PUBLICHNAIA BIBLIOTEKA, Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seria 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences; Technology and Technological Sciences].** Vol. 10, no. 2, Jan. 1965.

**MOSCOW. PUBLICHNAIA BIBLIOTEKA, Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seria 2: Biologicheskie nauki, sel'skoe i lesnoe khozjaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravo-okhraneniye, meditsinskie nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences].** Vol. 8, nos. 1-3, Jan. 1965.

**MOSCOW. PUBLICHNAIA BIBLIOTEKA.** Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 3 Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library, Series 3 Social Sciences, Belles-Lettres, Art]. Vol. 8, nos. 1-3, Jan. 1965.

**NOVYE KNIGI, vzhenedel'nyi informatsionno-bibliograficheskiy zhurnal** [NEW BOOKS, Bibliographical Information Weekly]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, vol. 10, nos. 21, 23-29, May-July 1965.

**NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM, ekonomika, filosofiya, istoriya, mezhdurodnyye otnosheniya** [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES, Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoy literatury [Publishing House of Foreign Literature]. Moscow, vol. 8, no. 6, June 1965.

**SOVETSKAYA BIBLIOGRAFIYA** [SOVIET BIBLIOGRAPHY]. Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no. 9(88), 1964.

Table of contents translated:  
Smirnova, B. A., Solov'eva, N. N., Topitskaya, I. B. - Bibliographic work of province libraries. p. 3  
Mochanova, N. S. - Methods of compiling bibliographies of popular science literature on technology. p. 15.  
Ienish, E. V. - Instituting beginning bibliographies to fill written requests in the field of technology. p. 22.  
Morozluk, I. G. - Remove the obstacles for the receipt of bibliographic requests filled by libraries of the country. p. 26.  
Nikitin, V. V., Lotershtein, P. M. - Profitable answer. p. 28.  
G. A. - Centennial of the Central Technical Library. p. 61.  
Markushovich, A. I. - An elder Soviet scholar of books. p. 63.  
Brief news. p. 75.  
Ekaterina Nikolaevna Zhilina, an obituary. p. 79.  
Vera Petrovna Kukina, an obituary. p. 81.  
Kromonetskaya, A. V. - Contemporary state of current foreign bibliography in the field of technology. p. 83.  
Brief notes. p. 103.

**SVODNYI BULLETEN' NOVYKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR.** Seriya A: Estestvennye nauki, meditsina, gel'sekoe khoz'iaistvo, tekhnika [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R., Series A: Natural Sciences, Medicine, Agriculture, Technology]. Moscow, no. 1(93), 1965.

## L. LIBRARIES & LIBRARY SCIENCE

### BIBLIOTEKI SSSR [LIBRARIES OF THE U.S.S.R.].

Issued by Gosudarstvennaya biblioteka SSSR imeni V.I. Lenina [Lenin State Library of the U.S.S.R.]. Moscow, no. 20, 1964.  
Table of contents translated:  
Libraries of the country assist in the chemicalization of the national economy: the V.I. Lenin State Library of the U.S.S.R., the Moscow Province Library, technical libraries of the West Ural Economic Council, libraries of Kalinin Province, the Voronezh Province Library. p. 3.  
Kartashov, N. S. - Academic bases of guiding readers (presentation of the problem). p. 29.  
Abgarova, A. I. - Reading guide for young workers, from the experience of the M. Gorkii Central Municipal Library in Rostov. p. 41.  
Nikiforova, F. N. - Work of libraries with readers who are young research workers, based on the study of their interests in the library of the scientific-research institute. p. 51.  
Dobryutina, N. E. - State republic libraries must assist in the popularization of Russian literature. p. 63.  
Puzryeva, G. I. - Collections should be complete with Russian publications of the past. p. 77.  
Baldina, I. V., Zolotykh, V. I., Mistrukova, T. A. - Experiment in organizing a coordinated acquisitions system in Vladimir. p. 80.  
Romanovskaya, K. M. - Acquisitions for the collections in libraries of higher educational institutions. p. 97.  
Gorfunkel', A. Kh. - Section of acquisitions of rare books for a university library. p. 107.  
Moiseeva, L. A., Lapteva, K. N. - Coordination of international book exchange in Soviet libraries. p. 113.

Vaneov, A. N. - The introduction of advanced work practices is the most important aspect of work in methodology. p. 121.  
Kazhnevich, A. I. - Volunteers at work on methods, from the experience of the V. P. Volgin Fundamental Library of Social Sciences, Academy of Sciences of the U.S.S.R. p. 133.  
Potapova, N. K. - Unification of methods in scientific and school libraries of Irkutsk. p. 144.  
Academic news. p. 151.

**BIBLIOTEKOVEDENIE I BIBLIOGRAFIYA ZA RUBEZHOM** [LIBRARY SCIENCE AND BIBLIOGRAPHY ABROAD]. Issued by Gosudarstvennaya biblioteka SSSR imeni V.I. Lenina [Lenin State Library of the U.S.S.R.]. Moscow, no. 14, 1964.

Table of contents translated:  
Tomescu, Mircea. - Books and libraries in the Rumanian People's Republic. p. 3.  
Smirnov, I. S. - Scientific and special libraries in the Democratic Republic of Vietnam. p. 10.  
Skripkina, T. I. - Some problems of interlibrary loans abroad. p. 31.  
Baldina, I. V. - Library systems of countries in Great Britain. p. 50.  
Poznanskaya, M. P. - Work with phonograph records in libraries abroad. p. 70.  
Vlenskaya, S. K., Lenokhina, E. I. - Catalogs in the research libraries of Czechoslovakia. p. 89.

## C. PRINTING & THE BOOK TRADE

**KNIZHNAIA TORGOVLIA** [BOOK TRADE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati and Tsentral'nyi sovet potrebitel'skikh obshchestv SSSR [Central Committee of the Council of Consumers of the U.S.S.R. for Printing and the Central Union of Consumer Societies of the U.S.S.R.]. Moscow, vol. 10, no. 3, Mar. 1965.

Table of contents translated:  
Plans are the rule for every enterprise. p. 1.  
Zazulin, A. - Books and life. p. 4.  
Perfil'eva, T. - On the 95th anniversary of the birth of V. I. Lenin. p. 6.  
Polivanovskii, S. - Advantages and prospects of specialization. p. 8.  
Pisagina, L. - Store of technical books in Yaroslavl. p. 10.  
Guterman, N. - Salon of music. p. 11.  
Ponomarenko, I. U., Skubko, P. - And a small light was lit in the Donets Basin. p. 12.  
Efimov, L. - Who is to blame? p. 15.  
Putiaev, S. - How the quantity of books is reduced. p. 15.  
For a high quality of bookselling. p. 17.  
Iurin, L. - Rare publication. p. 20.  
Kazakova, L. - If one likes it. p. 21.  
News in the book trade. p. 23.  
Iarochkin, G. - Take care of the people's property. p. 26.  
Rozenfeld, B. - Introduce cost accounting. p. 27.  
Bril', M. - Bringing joy to people. p. 28.  
Borisova, I. U. - Filmstrips and their sale. p. 30.  
Rebitskiy, V. - Planning of advertisements. p. 31.  
Podgorodnikov, M., Fomina, N. - On a blue screen. p. 32.  
Topchieva, L. - If they love books. p. 34.  
Balkina, A. - To actively participate in the work of the society. p. 36.  
Oleinik, L. - Make use of specialists in the proper manner. p. 37.  
Voronov, B., Gorokhovskii, A. - A publishing house makes a study of the demand. p. 38.  
Kulbysheva, G. - Books for booklovers. p. 40.  
Lapshin, M. - For beauty, for kindness, for man. p. 41.  
Grushko, L. - Readers club of technical books in Czechoslovakia. p. 44.  
Tulichev, D. - Lomonosov on the selling of books. p. 46.

**POLIGRAFIYA** [PRINTING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, no. 12, Dec. 1964.

Table of contents translated:  
Higher quality in production. p. 1.  
In the Book Palace. p. 3.  
Vikhorev, V. A. - Leningrad workers in the struggle for quality in production. p. 5.  
Grushko, L. S. - Pay more attention to the completion of publications. p. 6.  
Sidorova, A. V. - Sturdiness and durability of books. p. 8.  
Mel'nikov, I. U. A. - A rotary press depends on this. p. 10.  
Matveev, V. M. - All should strive for high quality. p. 12.  
Erenstein, Kh. M. - Regulations concerning faultless preparation of printed matter. p. 14.

Guide for publishing and the printing industry. p. 15.  
Rakhmanov, V. - People's controllers. p. 13.  
Sevibrinyi, I. A. M. - Industrial aesthetics is an important factor in the organization of production. p. 18.  
Kieshechenok, I. P. - Research work in universities and the training of engineers without interrupting their employment. p. 20.  
Gorodentsev, L., and others. - Forty-five years in a printing plant. p. 22.  
Tolstoi, G. D. - Controlling the physicomaterial characteristics of the covers of inkjet rollers. p. 23.  
Kisilevskii, M. M. - Pneumatic conveying equipment in enterprises. p. 25.  
Nechiporenko, I. A., Kapiluk, V. A., Yuets, L. G. - Shading distortion in offset lithography on tin. p. 26.  
Pashkov, M. V., Berezin, B. I. - Results of a competition among printing plant laboratories. p. 28.  
Vishnevetskii, I. U. - In the competition for communist labor. p. 29.  
Pavlichenko, L. A., Stalinskii, S. I. - Modernization of proof presses. p. 31.  
Luchtein, P. - State Art Institute of Estonia. p. 33.  
Adrianova, V. - Soviet "Technical Books" Exhibition in the U.S.A. p. 34.  
Geodakov, A. I. - How to prepare photographic originals for electronic engraving machines. p. 35.  
Iguratovich, V. M. - New developments in the calculation and planning of production. p. 36.  
Nemilovskii, E. L. - Printing dictionary. p. 39.  
Berezuk, I. U. - With printers in Bulgaria. p. 40.  
Aleksandr Iakovlevich Tikhonov, obituary. p. 48.

**RASPROSTRANENIE PECHATI** [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soluzpechati Ministerstva svyazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1965.

## 3. PHILOSOPHY & RELIGION

### A. PHILOSOPHY

**NOVAIA SOVETSKAYA LITERATURA PO FILOSOFII** [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1965.

**VOPROSY FILOSOFII** [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 19, no. 6, 1965.

Table of contents translated:  
Glezerman, G. E. - Dialectics of objective conditions and the subjective factor in the building of communism. p. 3.  
Razin, V. I. - From the state of the dictatorship of the proletariat to the state of all the people. p. 15.  
Brutents, K. N. - Certain characteristics of the national liberation movement. p. 26.  
Iagodin, V. N. - The role of personal material interest in the development of socialist production. p. 36.  
Melikhin, S. T. - Philosophy and natural science on the problem of the infinity of the universe. p. 60.  
Orlov, I. U., Napalkov, A. V. - Actual problems of heuristic programming. p. 61.  
Aivazian, M. S. - Methodology of research on the influence of work processes on personality. p. 73.  
Mezhuev, V. M. - Problem of culture in pre-Marxist philosophy. p. 83.  
Mamardashvili, M. K. - Problem of the methodology of the history of philosophy. p. 93.  
Popova, I. M. - The theory of social control in American sociology. p. 104.  
Alekseev, M. N. - Formal and mathematical logic. p. 113.  
Griznov, B. S. - The Leibnizian concept of equality and synonymy. p. 124.  
Povarkov, I. A. - Social sciences: results and problems. p. 127.  
Mal'kevich, V. V. - Concerning one legal construction. p. 139.  
Slesarev, G. A. - Basic trends in the development of philosophy and law. p. 142.  
Gedunskaya, E. I. - Discussion of the book "Communism and personality." p. 148.  
Ivanova, P. P. - Marxism and existentialism. p. 157.  
Kochetkov, F. K. - A useful book on historical materialism. p. 162.  
Asmus, V. F. - Selected works of a Polish scholar. p. 169.  
Semenov, I. U. I. - Some problems of the development of human society. p. 170.

- Kuznetsov, I. F., Bakhita, V. M., Gur'ev, D. V. - Once more on IU I. Semenov's book. p. 175.  
Review of letters on IU S. Semenov's book. p. 180.  
Our authors. p. 183.

\*VOПРОСЫ ПСИХОЛОГИИ [PROBLEMS OF PSYCHOLOGY].  
Issued by Akademiya pedagogicheskikh nauk RSFSR  
[Academy of Pedagogical Sciences of the R.S.F.S.R.].  
Moscow, vol. 11, no. 2, Mar.-Apr. 1965.

- Table of contents translated.  
Zinchenko, V. P., Malzel, N. I., Fatkin, L. V. - Human operator's activity in the information search trials. p. 3.  
Lurila, A. R., Tsvetkova, L. S. - Programming of constructive activity for patients with local brain lesions. p. 17.  
Kok, E. P. - Selective disturbance in speech organization, instability of audio-speech traces. p. 28.  
Suvorova, V. V. - Electroencephalographic correlates of individual characteristics of human behavior under stress. p. 35.  
Amosov, N. M., and others. - Possible approach to the simulation of human psychic functions. p. 49.  
Lushchikina, I. M. - Use of Ingve's hypothesis on the structure of the phrase in research on speech perception. p. 57.  
Baraboshkin, I. U. M. - Determining some selected characteristics of the results of psychophysiological experiments by means of electronic computer. p. 67.  
Cole, M., Korzh, N., Keller, L. - Probability learning in long training. p. 75.  
Zhekulin, S. A. - Development of intellectual operations in the course of problem solving by schoolchildren. p. 79.  
Shapiro, S. I. - Studying the individual characteristics of students in the processing of mathematical information. p. 91.  
Punt, A. T. S., Petrovich, V. K. - Process of the concentration of attention in the immediate preparation of athletes for the performance of exercises in competitions. p. 101.  
Valauro, E. G., Kashkai, M. Dzh. - Comparative study of conditioned reflexes to relationships. p. 117.  
Kisliakovskaya, M. I. U. - Stimuli arousing positive emotions in the child during the first months of life. p. 129.  
TSarapkina, E. S. - Teaching children a foreign language in kindergarten. p. 141.  
Zhabitskaya, L. G., Shakhriman'ian, I. K. - Using the testimonies of witnesses for the study of perceptual processes. p. 148.  
Krinchik, E. P., Levko, A. N. - Device for the automatic tape recording of the binary sequence of auditory stimuli. p. 155.  
Vladimirov, A. D. - "VEKS-01" for oculo-graphy. p. 158.  
Gavrilov, K. V., and others. - Visual speech reflexometer. p. 161.  
Samanov, V. V., and others. - Audio-speech reflexometer. p. 163.  
Antsiferova, L. I. - Neobehaviorist theory of thinking and the operational conception of Jean Piaget. p. 165.  
Kalmukova, Z. I., Lipkina, A. I. - Symposium on the problem of the optimization of teaching. p. 181.  
Drozova, K. E. - Conference of the Stavropol' provincial Section of the Society of Psychologists of the Academy of Pedagogical Sciences of the R.S.F.S.R. p. 184.  
Karpov, V. V. - Conference on the psychology of work and work education. p. 185.  
Barin, A. A. - "Musical-acoustic media." p. 188.  
Zaporozhets, A. V., Farapontova, E. A. - Work of the Moscow Section of the Society of Psychologists in 1960-1964. p. 189.

b. RELIGION

BEARUSKAYA TSARKVA [BELORUSSIAN CHURCH].  
Chicago, no. 28, 1965.

BRATSKII VESTNIK [HERALD OF BROTHERHOOD].  
Issued by Vsesoluznyi sovetskii evangel'skikh khristian-baptistov [All-Union Council of Evangelical Christians and Baptists] Moscow, no. 6, 1964.

- Table of contents translated:  
To all parishes of Evangelical Christians and Baptists in the U.S.S.R. p. 3.  
Christian theses of peace. p. 5.  
Communique of the Working Committee of the Christian Peace Conference. p. 6.  
Karev, A. V. - Golgotha. p. 9.  
Milekovich, A. I. - About divine judgments. p. 22.  
Somov, K. V. - Problems of the faith. p. 28.  
R. K. - Broadened plenum of the All-Union Council of Evangelical Christians and Baptists. p. 41.

Trubina, V. - Divine service meeting at the Moscow Church of Evangelical Christians and Baptists p. 44.

- Arder, A. - Common joy of the Estonian Brotherhood p. 50.  
Tiarku, O. A. - To Osvat'd Adovich Tiark, Master of Theology and Priest of "Olevistu," the Tallinn parish of Evangelical Christians and Baptists p. 53.  
Fadiukhin, S. P. - Harvest feast at the Moscow Church of Evangelical Christians and Baptists p. 54.  
Vashchuk, M. S. - My recollections. p. 59.  
Bokun, S. I., Velisechik, K. S., Ketsko, A. M. - Ivan Kalinnikovich Pan'ko, obituary. p. 62.  
Karev, A. V. - In memory of Ivan Kalinnikovich Pan'ko p. 64.  
Iurkevich, I. R. - In memory of Grigorii Stepanovich P'iankov, Priest of the First Alma-Ata parish of Evangelical Christians and Baptists p. 67.  
Apocryphal books. p. 70.  
Local news. p. 73.

HOLOS SPASYTELIA, REDEEMER'S VOICE. Issued by Otisi Redemptor ysl [Redemptorist Fathers].  
Yorkton, Canada, vol. 37, no. 7/8, July-Aug. 1965.

NAUKA I RELIGIJA [SCIENCE AND RELIGION]. Issued by Vsesoluznoe obshchestvo "Znanie" ["Knowledge"] All-Union Society]. Moscow, vol. 6, nos. 5-6, May-June 1965.

NOVAYA SOVETSKAYA I INOSTRANNAIA LITERATURA PO VOПРОСАМ АТЕИЗМА И РЕЛИГИИ [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF ATHEISM AND RELIGION] Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1964, no. 1/2, 1965.

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch, Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no. 6, 1965.

- Table of contents translated  
Patriarch Aleksii - For the coming Congress of the World Council of Peace in Helsinki p. 1  
Decisions of the Holy Synod. p. 2  
Easter greetings received by His Holiness Patriarch Aleksii from the heads of churches p. 3.  
Letter from V. Kuroedov, chairman of the Council for the Affairs of the Russian Orthodox Church attached to the Council of Ministers of the U.S.S.R., to the editor of "Zhurnal Moskovskoi Patriarkhii" p. 4.  
At a reception in the Kremlin on the occasion of the 20th anniversary of the Victory. p. 4.  
At diplomatic receptions. p. 4.  
Brief news. p. 4.  
Easter pilgrimage. p. 5.  
Services of His Holiness Patriarch Aleksii. p. 6.  
Celebration of Victory Day in Moscow and other cities. p. 6.  
Hieromonach, Vladimir. - Boris, Metropolitan of Kherson and Odessa; obituary. p. 7.  
Stadnikov, M. - Pilgrimage to Sinai p. 11.  
Iozhuk, V. - Pilgrimage to the Holy Land p. 16.  
Obituaries. p. 22.  
Sergeenko, A. - Sermon for Ascension Day. p. 25.  
Bogdanovich, I. - Sermon for Whitsunday. p. 28.  
Metropolitan Nikodim - Day of victory and the defense of peace p. 30.  
Orlov, I. - The great anxiety p. 33.  
Communique of a meeting of the Committee for the Study of International Problems of the Christian Peace Conference. p. 37.  
"Christian Peace Conference" nos. 11-12, 13, 1964. p. 39.  
Popov, Kh. - Saint Sofronii of Vrnchesli. p. 40.  
Ignat'ev, A. - Iosif I, Exarch of Bulgaria; on the occasion of the 50th anniversary of his death. p. 43.  
Ignat'ev, A. - Archpriest Stefan TSankov, obituary p. 47.  
Archbishop Aleksii. - Meeting of the Committee "Faith and Church Organization" in Aarhus (Denmark). p. 48.  
Metropolitan Nikodim. - Christian churches and the divine service at the time of Saint Ioannes Chrysostomus (conclusion). p. 53.  
Berki, Feriz. - At the celebration of the millenary of Athos (to be continued). p. 61.  
Prosvirnin, A. - Saint Ioann, Metropolitan of Tobolsk and Siberia; on the occasion of the 250th anniversary of his death. p. 73.

SVITLO, THE LIGHT. Issued by OO, Vnsylliany [The Basilian Fathers]. Toronto, vol. 27, no. 12(504), Dec. 1964.

TSERKOVNIY VESTNIK [CHURCH HERALD]. Organ of Pravoslavnaia tsarkov' v Pol'she [Orthodox Church in Poland]. Warsaw, vol. 12, nos. 3-4/6, Mar.-May 1965.

4. HISTORY

a. GENERAL

AKADEMIA NAUK SSSR, Institut istorii. Srednie veka [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. The Middle Ages]. Moscow, no. 26, 1964.

- Table of contents translated:  
Gutovich, A. I. A. - The Norwegian borders in the 11th and 12th centuries. p. 3.  
Kiseleva, L. I. - Origin of the Gothic cursive writing. p. 27.  
Volodarskii, V. M. - Sociopolitical views of Ulrikh von Hulten. p. 54.  
Sokolova, M. N. - The status of the partially free in Anglo-Saxon society. p. 80.  
Floia, B. N. - From the history of the commercial relations between Russia and Flanders in the 10th century. p. 97.  
Bessmertnyi, I. U. L. - Some problems of the socio-political history of the Carolingian period in the contemporary West-European medieval studies. p. 104.  
Zhabotinskaya, E. A. - Work of the Section of Medieval History of the Institute of History of the Academy of Sciences of the U.S.S.R. and 1962 and 1963. p. 218.  
A. S. Samoilov's 70th birthday. p. 223.  
Literature on the history of the Middle Ages published in the U.S.S.R. in 1962. p. 224.  
Our authors. p. 230.  
Maler, V. E. - Problems of the agrarian history of Germany from the 14th to the 16th century in the interpretation of the bourgeois historians of the German Federal Republic. p. 117.  
Gulnova, E. V. - Experience in directing seminars for beginners studying medieval history in the Faculty of History of Moscow State University. p. 170.  
Kononenko, A. M. - Unpublished Cremona acts of the 12th century. p. 181.  
The "Tandslag" of the King Magnus Eriksson. Translated from the Old Swedish and annotated by E. D. Kovalevskii. p. 185.  
A. S. - A conference on the history, economy, language and literature of the Scandinavian countries and Finland. p. 204.  
Defenses of doctoral dissertations. p. 207.

ERIVAN, MATENADARAN. Vestnik [Journal]. Vol. 3, 1956; vol. 4, 1958; vol. 5, 1960; vol. 7, 1964.

ISTORICHESKIE ZAPISKI [HISTORICAL RECORDS].

Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 75, 1965.

- Table of contents translated:  
Sobolev, G. L. - Leningrad scientists during the years of the blockade, 1941-1943. p. 3.  
Koval'chuk, V. M. - From the history of the defense of Sevastopol during the Great Patriotic War; defense of the communications. p. 20.  
Destuzhev, I. V. - The struggle in Russian about the problems of foreign policy on the eve of the First World War, 1910-1914. p. 44.  
Shatsillo, K. F. - Development of the Black Sea Fleet on the eve of the First World War, 1907-1914. p. 86.  
Emela, V. A. - The position of Russia and her allies in the question of helping Serbia in the fall of 1915. p. 122.  
Vorokova, S. V. - Construction of automobile factories in Russia during the years of the First World War, 1914-1917. p. 147.  
Dinkin, V. S. - Financial capitalist groups in the electric industry and electric transportation in Russia during the period of the prewar industrial development and the First World War. p. 170.  
Simonova, M. S. - Czarist policy in the agrarian question on the eve of the Revolution of 1905-1907. p. 212.  
Solomatina, P. S. - Letters from the front and correspondence received by the newspaper "Pravda" during the years of the Great Patriotic War. p. 243.  
Neigol'dberg, V. I. A. - River transportation during the Great Patriotic War. p. 266.  
Oznobishin, D. V. - The Temporary Committee of the State Duma and the Provisional Government. p. 273.  
Sidorov, K. F. - The appearance and dissemination of V. I. Lenin's manifesto "War and the Russian social democracy." p. 295.  
Asta'ev, I. I. - M. V. Rodzianko's reports to Nicholas II. p. 306.

Vol. 76, 1965.

- Table of contents translated:  
Koskov, G. D. - The role of literature and art in the patriotic education of the people, 1941-1945. p. 3.

- Bogdenko, M. L. - The development of collective farming in the spring and summer of 1930. p.17.
- Zelenin, I. E. - Political sections of the machine-tractor stations. p.42.
- Danilova, L. V. - Development of the Marxist trend in Soviet historiography of the epoch of feudalism. p.52.
- Shmidt, S. O. - History of the 16th century "Zemskie sobory." p.120.
- Skrjannikov, R. G. - Oprichnina and the last independent principalities in Russia. p.182.
- Donner, E. - Russia and the Baltic question in German policy, 1558-1583. p.175.
- Duganov, V. I. - Sources of the registers of military officials from the 1475's to the early 17th century. p.216.
- Zimin, A. A. - The feudal statehood and "Russkaya pravda." p.230.
- Likhovskii, V. M. - The fictitious joint stock companies in Russia, 1860-1870; assets of the Ryazan-Kozlov Railroad. p.276.
- Duganov, V. I. - Mikhail Nikolaevich Tikhomirov. p.292.
- Semenova, L. N., Sobolev, G. L., TSamutali, A. N., Sigismund Natanovich Volk. p.308.

**KALENDAR' ZNAMENATEL'NYKH I PAMIAT'NYKH DAT** [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaya Rossiya" and Gosudarstvennaya publikatsionnaya biblioteka RSFSR ["Soviet Russia"] Publishing House and the State Public Historical Library of the R.S.S.R., Moscow, vol.10, no.7, 1965.

**NARODY AZII I AFRIKI**, Istorika, ekonomika, kul'tura [PEOPLES OF ASIA AND AFRICA, History, Economics, Culture]. Issued by Institut narodov Azii i Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and Institute of Africa of the Academy of Sciences of the U.S.S.R.], No.3, 1965.

- Table of contents translated:
- Shabarov, B. A. - Some specific features of the formation of the working class in the Maghreb countries. p.3
- Zhabrev, A. F. - Struggle against commercial and usurious exploitation in Burma. p.15
- Khrenov, I. U. F. - Economy of North Borneo. p.27.
- Anticolonial struggle of the peoples of Asia and Africa in 1964; a review. p.33
- On the fortieth anniversary of the heroic struggle of the Shanghai proletariat; the riot of May 30, 1925. p.45.
- Duckevich, S. L. - Once more on "the liberating mission" of Japan in Southeastern Asia during the years of the Second World War. p.48.
- Goldobin, A. M. - From the history of the Egyptian people's struggle for independence; the Anglo-Egyptian agreement of 1954. p.61.
- Tor-Akopian, N. B. - Development of the views of K. Marx and F. Engels on the Asian mode of production and agricultural community. p.70.
- Livshits, S. - The teaching of modern and recent history of the countries of Asia and Africa. p.88
- Braginskii, I. S. - Results of the discussion on the periodization of the history of Oriental literatures; theses. p.93.
- Boromina, I. A. - Poetics of the Japanese tanka. p.100.
- Shidfar, K. A. - About Diya-Yi-Farsi's divan. p.113
- Raevskii, S. I. - The unique manuscript of the Persian explanatory dictionary "Farhang Zangunaya va Jahannuma." p.118.
- Shelieglov, I. U. K. - From the morphology of the Hausa language; the formation of plural nouns. p.122.
- Nedzhup, E. N. - Turkic manuscripts in Peking. p.133
- Vukhlin, B. B. - Is a scientific approach to artistic translation possible? p.139
- Rozhants, A. V. - Foreign monopolies and the deposits of rare metals in Africa. p.147.
- Amanzholov, A. S. - Ancient Turkic runic inscription from the Irtysh Valley. p.150.
- Mel'nikov, A. T. - Some data on the concentration of production and centralization of capital in Japan; based on materials of the Japanese press, 1963-1964. p.151.
- Semenov, I. U. I. - Development of classes and the state in the countries of the ancient Orient; according to works of Soviet Assyriologists and Egyptologists. p.160.
- Pak, B. D. - From the history of the Korean emigrant press, 1909-1914. p.172
- Shastina, N. P. - New works on the bibliography of Mongolia. p.170.
- Nadel', Kh. S. - List of works of Russian and Soviet Orientalists. p.230.
- Kazania, M. I. - Petr Antonovich Grinevich, 1899-1937. p.234.
- List of the basic works by I. S. Braginskii, Doctor of Philological Sciences; on the occasion of his sixtieth birthday. p.236.
- Mutafchieva, V. P. - Oriental studies in Bulgaria during the last five years. p.239.
- Riflin, B. L. - In search of rare manuscripts and xylographs. p.243.

- Thullae, S. I. - In the Far East non-Soviet sector of the Institute of the History of Arts. p.248
- Khamraev, M. - Department of Uigur Studies of the Academy of Sciences of the Kazakh S.S.R. p.249

**NOVAYA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFIU** [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no.3, 1965.

**SOVETSKOE SLAVIANOVEDENIE** [SOVIET SLAVIC STUDIES]. Issued by Institut slavianovedeniia Akademii nauk SSSR [Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R.]. Moscow, no.2, 1965.

- Table of contents translated
- Tasks of the study of the great heritage of V. I. Lenin. p.3
- Birman, M. A. - V. I. Lenin and the struggle of the revolutionary social democrats of the Balkan countries against the imperialist war, 1914-1915. p.6
- Felix Tych - Leninism and the Polish social democracy. p.21.
- Vorob'eva, E. D. - Formation and activity of the Czechoslovak Society for the Economic and Cultural rapprochement with the New Russia, 1925-1927. p.33
- Zhuravskii, A. I. - Some features of the interaction between the Old Church Slavonic and White Russian literary languages. p.44.
- Florea, B. - One of the sources of the "Treatise about two Sarmatias" by Maciej Miechowita. p.55.
- Karason, V. G. - An unpublished letter by V. Polagic. p.62.
- Naumov, E. P. - Problems of Slavic studies discussed at the General Session of the Department of History of the Academy of Sciences of the U.S.S.R. p.105.
- Sapozhnikova, G. N. - In the Sector of the history of the people's democratic countries attached to the Institute of History of the Academy of Sciences of the U.S.S.R. p.108.
- Bogolubova, N. K. - In the Department of the History of Western and Southern Slavs of Moscow University. p.107.
- Volkov, A. R. - The Sixth Ukrainian Conference on Slavic Studies. p.108
- Sokolova, V. K. - Problems concerning Slavic studies at the International Congress of Ethnography. p.113.
- Lekomtseva, M. I. - A conference on Indo-European linguistics. p.117
- In the Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R. p.118.
- Kopasheva, M. I. - Sector of the History of Slavic Nations Abroad in the Epoch of Socialism. p.119.
- A. S. - Sector of Slavic Literatures. p.119.
- Prokof'eva, N. - The group studying the culture of the Slavic countries abroad. p.120.
- M. K. - An encounter with a group of lecturers of the Central Committee of the Communist Party of Czechoslovakia. p.121.
- Goran Todorov. - Scientific activity of the Institute of History of the Bulgarian Academy of Sciences. p.121.
- Tadeusz Cieslak. - The state and trends of development of the Polish research on the history of Polish-Soviet relations. p.124.
- Udal'tsov, I. I. - In memory of Vaclav Husa. p.127.

**STRANY BLIZHNIEGO I SREDNEGO VOSTOKA** [COUNTRIES OF THE NEAR AND THE MIDDLE EAST]. Issued by Institut narodov Azii Akademii nauk SSSR [Institute of the Peoples of Asia of the Academy of Sciences of the U.S.S.R.]. Moscow, no.1, 1964.

- Table of contents translated:
- Chernikhovskaya, N. I. - Afghanistan. p.3.
- Orlov, E. A. - Iran. p.22.
- Gasratlan, M. A. - Turkey. p.39.
- Mukimdzhanova, R. M. - Pakistan. p.56.

**TAGANROG. KRAEVEDCHESKII MUZEI. Kraevedcheskie zapiski** [MUSEUM FOR REGIONAL STUDIES. Regional Annals]. Rostov-on-Don, no.2, 1964.

- Table of contents translated:
- Zobov, A. A. - From the history of the struggle of the party organizations and workers in Taganrog for the development of industry, 1946-1950. p.3.
- Grishkov, I. A. G. - From the history of the struggle of the workers and working masses of peasants in Taganrog and Taganrog administrative area for the Soviet regime, 1917-1918. p.52.
- Khmelevskii, K. A. - From the history of "the Red Landing." p.105.
- Praslov, N. D. - Discovery of Mousierian settlements in the northern Azov Sea Region. p.115.
- Kamenetskii, I. S. - The late paleolithic sites in the Chulek Valley. p.131.
- Praslov, N. D. - The neolithic sites in the northeastern Azov Sea Region. p.137.

- Borokhova, I. M., Zakharova, E. V. - A review of documents on the struggle for the establishment of the Soviet regime and first steps toward the reconstruction of the national economy in the Taganrog administrative area. p.151
- Pashchenko, A. A. - Documents on Russian agriculture in the Azov Sea Region. p.187
- Tsimbal, L. A. - From the history of the assembling of the collections of the Taganrog Museum of Local Lore. p.205
- Magina, R. G. - The collection of incunabula in the Taganrog Museum of Local Lore. p.222

**VOENNO-ISTORICHESKII ZHURNAL** [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol.7, no.5, May 1965.

- Table of contents translated
- Zhilin, P. - The CPSU, organizer of victory in the Great Patriotic War. p.3.
- Grechko, A. - Combat cooperation of brother peoples. p.18.
- Poznak, V. - The final attacks on the enemy. p.26.
- Itokosovskii, K. - To the north of Berlin. p.36.
- Kalashnik, M. - Party and political work in the Berlin operation. p.42
- Shtemenko, S. - How the last campaign to the defeat of Hitler's Germany was planned. p.50
- Borisov, N. - The memory of heroic deeds will live through the centuries. p.73
- Puchinskii, A. - To Berlin! p.81
- Lelushenko, D. - Tanks hasten to the aid of Prague. p.82
- Atone for a crime. p.99.
- Derevanko, P. - Heroes out of heroes. p.109
- Diev, D. - Liberating mission of the Soviet Army during the Second World War. p.111.
- Gilens, V. - Rise and fall of the German General Staff. p.115.
- Namirov, N. - Relics of combat glory. p.120.
- Loboda, V. - The Order of Victory. p.124.
- Os'kin, G. - This was at the end of the war. p.126.

**VOPROSY ISTORII** [PROBLEMS OF HISTORY]. Issued by Otdelenie istorii Akademii nauk SSSR and Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Department of History of the Academy of Sciences of the U.S.S.R. and the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol.40, no.6, June 1965.

- Table of contents translated
- Tadevosian, E. V. - Subject matter of scientific communism and its place in the system of social sciences. p.3.
- Shutoi, V. E. - Encounter on the Elbe. p.18.
- Shintseva, N. I., Tomlin, V. R. - Collapse of Hitler's agrarian policy on the occupied territory of the U.S.S.R., 1941-1944. p.32
- Boisov, L. P. - The Osoaviakhim (Society for the Promotion of Aviation and Chemical Defense), pages from history, 1927-1941. p.45
- Klinapina, N. S. - Industrial policy of the Russian autocracy during the years of the crisis of the feudal system. p.61
- Bobinska, C. - Source deficiencies. p.76
- Krivoguz, I. M., and others. - Basic trends in the Soviet historiography of modern times. p.87.
- Orbell, I. A. - East and West from the 12th to the 13th century. p.105
- In the enemy camp on the eve of defeat; new documents from the collection captured in the war of the Archives of the Ministry of Defense of the U.S.S.R. p.115.
- Dmit'iev, I. O. - The plot against Mussolini (to be continued). p.128.
- Bromilov, I. U. V., Neupokoev, V. I. - Annual General Meeting of the Department of History of the Academy of Sciences of the U.S.S.R. p.140.
- Smirnov, N. A. - Some results of the Plenum of the Higher Certification Commission. p.162.
- Kolomitshev, V. F. - The Fifth Republic in France. p.153
- New books. p.173.
- Ryndzinskii, P. G. - The creative work of Soviet historians. L. V. Cherepnin. p.179.
- Kopychev, N. I. - East German historiography and Soviet-German relations in the "year of recognition." p.183.
- Efimov, N. A. - Commander from the people. p.211
- Kaplanov, M. G. - Russian-Bulgarian aviation cooperation on the eve and during the period of the First Balkan War. p.214
- Samoilov, A. M. - "The Eastern Republic of Uruguay" and "Colombia," why they are so named. p.216.
- Golinkov, D. L. - How the so-called "Christian Socialist Workers' and Peasants' Party" appeared and vanished. p.218.

Vol.40, no.7, July 1965.

- Table of contents translated:
- Shidman, E. M. - Recurrence in history. p.3.

- Kudlai, A. S. - Fraternal assistance of the Soviet peoples in reconstructing the Ukrainian national economy after the Great Patriotic War p. 21.  
 Garniza, V. V. - How the Socialist Revolutionaries betrayed their agrarian program p. 31.  
 Tikhomirov, V. D. - Socialist transformation of agriculture in the Korean People's Democratic Republic p. 42.  
 Berzhtin, V. A. - Brest peace and the position of the U.S. p. 52.  
 Anfimov, A. M. - Prussian way of developing capitalism in agriculture and its special features in Russia p. 62.  
 Alekseev, M. P. - Russia and the Russians in Shakespeare's works p. 77.  
 Stam, S. M. - Basic contradictions in the development of the medieval city p. 93.  
 Erenfel'd, B. K. - "The Malinovsky case" p. 106.  
 Dmitriev, I. O. - The plot against Mussolini (conclusion) p. 115.  
 Porshnev, B. F. - Search for generalization in the field of religious history p. 135.  
 Ryzhkov, V. A. - Literature on the activity of the Labor Government during the years 1945-1951 p. 151.  
 New books. p. 163.  
 Molok, F. A. - New works about the struggle of the Communist Party of Czechoslovakia during the years of the Fascist occupation p. 172.  
 Sobolev, D. Z. - Special features of the present-day stage of electrification of the U.S.S.R., 1955-1964, p. 200.  
 Tukhova, Z. N. - Larisa Reiner, a daughter of the Revolution p. 205.  
 Leon'tev, M. F. - V. O. Klyuchevskii's maxims and aphorisms p. 208.  
 Lur'e, S. S. - From the history of the court conspiracies in 18th century Russia p. 214.

## B ARCHAEOLOGY & ANTIQUITIES

### MATERIALY I ISSLEDOVANIA PO ARKHEOLOGII

- SSSR [MATERIALS AND RESEARCH IN THE ARCHAEOLOGY OF THE U.S.S.R.]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.], Moscow, no. 116, 1964. Antiquities of the epoch of the formation of Eastern Slavdom.  
 Table of contents translated  
 Symonovich, E. A. - Northern boundary of the Chernyakhov Culture monuments, p. 7.  
 Zaitsev, B. P. - New materials of the Chernyakhov Culture in the Northern Donets and the Psol Basin, p. 44.  
 Petrov, V. P. - The Chernyakhov burial mound, based on V. V. Khvoika's excavation materials of 1900-1901, p. 53.  
 Petrov, V. P. - The Maslova burial mound on the Tovmach River, based on the materials of excavations conducted by P. I. Smol'tchev and S. S. Gamchenko in 1926, 1928 and 1929, p. 118.  
 Peshunov, V. F., Symonovich, E. A. - The Chernyakhov Culture settlement near the Osokorovka village in the lower part of the Dnieper Valley, p. 168.  
 Bratchevskii, M. I. U. - Burial in Gorka-Polanka in Volyn', p. 173.  
 Vinokur, I. S. - Monuments of the Volynian group of the "Burial ground culture" near the Markushki and the Itankovskiy villages p. 176.  
 Timoshchuk, B. A., Vinokur, I. S. - The Chernyakhov Culture monuments in Bukovina, p. 186.  
 Smirnova, G. I. - Settlement of the first centuries A.D. near the Nezvisko village, p. 196.  
 Baran, V. D. - The Chernyakhov Culture monuments of the Bug Basin (the 1957-1960 excavations), p. 213.  
 Rikman, E. A. - Ancient site of the Chernyakhov Culture near the Balabaneshkiy village, p. 253.  
 Khraban, G. E. - The Chernyakhov monuments in Uman' District, Cherkassy Province, p. 267.  
 Symonovich, E. A. - Ornamentation of the Chernyakhov pottery, p. 270.

## S. SOCIAL SCIENCES

### A. COMMERCE

#### BULLETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII [BULLETIN OF FOREIGN COMMERCE INFORMATION]

Contents: Markushina, V. I. [Import requirements of West European countries in furs and oils] Importnye potrebnosti zapadnoevropeiskikh stran v zhirakh i maslakh, 48 p.

#### BOLGARSKAIA VNESHNIAIA TORGOVIA [BULGARIAN FOREIGN TRADE]

Issued by Bolgarskaia toigovaia palata [Bulgarian Chamber of Commerce] Sofia, vol. 14, no. 2, Mai - Apr 1965.

#### BUKRGALTERSII UCHET [ACCOUNTING]

Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.], Moscow, vol. 22, no. 2, Feb 1965.

- Table of contents translated  
 Kaganovich, A. - For a wider introduction of the remote transmission of information, p. 3.  
 Liberman, V., Ivan'es, F. - Using the EV80-3 electronic computer in accounting for the expenditure of materials, p. 7.  
 Dubershtein, B. - Machine accounting in the shoe industry, p. 13.  
 Savitski, N. - Machine accounting for production costs, p. 16.  
 Boichuk, A. - Accounting for production costs, p. 21.  
 Chirkov, A. - Operational accounting for the main indices of carrying out the plan, p. 25.  
 Vaisman, D. - Characteristics of the accounting for the cost of metal products, p. 30.  
 Grlazev, I. - Accounting for losses caused by waste in construction, p. 32.  
 Bishayev, M., Lukin, V., Poltorak, G. - Accounting in a production combine, p. 34.  
 Starodubtsev, F. - Role of accounting in organizing faultless production manufacture, p. 42.  
 Konev, V. - Accounting for laying out metal, p. 44.  
 Frizen, P. - Machine operational accounting for materials, p. 47.  
 Mechetin, V., Koslyev, G. - From the work practice of a machine accounting station, p. 50.  
 Nechaenko, A., Neklepnev, N., Ronzhin, L. - The auditor is an active aid for the investigator, p. 52.  
 Vainfel'd, L. - Simplify the accounting in consumers' cooperatives, p. 56.  
 Nemchenok, I. - Use of billing machines in standard calculations, p. 65.  
 In the Methodological Council, p. 75.  
 School of progressive practice in accounting and analysis in bread baking, p. 78.  
 Cooperation of the fraternal socialist countries in machine accounting, p. 80.

#### NOVYE TOVARY, informatsionnyi bulleten' [NEW CONSUMER GOODS, Information Bulletin]

Moscow, no. 6, 1965.

#### SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIIA [SOVIET CONSUMER COOPERATION]

- Issued by Tsentral'nyi sovet potrebitel'skikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R.], Moscow, vol. 9, no. 3, Mai. 1965.  
 Table of contents translated  
 Honorary duty of procurement agents, p. 1.  
 Levitski, M., Kopytov, P. - Indifference of the interests of population, p. 4.  
 Dodin, P. - Progressive cooperative societies assist those who lag behind, p. 7.  
 Shevliakov, G. - In the Far North... p. 9.  
 Aronov, A., Tret'yakov, K. - Organizing the procurement of milk, p. 10.  
 Dudzik, A. - Great help, p. 11.  
 Silant'ev, G. - Economic efficiency of mechanized centers, p. 12.  
 Demchenko, G., Khlazev, M. - Construction of kitchen ranges needs improvement, p. 13.  
 Goloschchapov, P. - Estimating the purchasing power of the population, p. 14.  
 Efremovtseva, R., and others. - Destiny of one graduating class, p. 18.  
 Grigor'eva, A. - Economic efficiency of wholesale trade, p. 28.  
 Narizhnyi, N. - Cooperative workers on the collective farm market, p. 31.  
 Pleshev, A. - Let's improve the sales of radio equipment, p. 34.  
 Savorkin, G. - Mechanization of production should have priority, p. 37.  
 Morozov, M. - Let's give more attention to the "golden fleece," p. 40.  
 Timofeeva, A. - Prices for lunch food, p. 42.  
 Gol'tseker, I. - Study of purchasers demand, p. 43.  
 Afrutkin, Sh. - Basic laws of the development of supply and demand, p. 50.  
 Sobolev, V. - From the history of foreign trade activities of the Central Union of Consumers of Cooperatives, p. 54.  
 Vinala, G. - Indonesian revolution and cooperative societies, p. 57.  
 Balashov, A. - Visiting with the Japanese cooperative workers, p. 58.  
 Gur'enkov, F. - If you want a good rest..., p. 62.

Vol. 9, no. 5, May 1965.

Table of contents translated:  
 Makharadze, T. - Hero of the Panfilov division, p. 4.

- Morozov, M. - In the front lines, p. 6.  
 Shvinkov, G. - Along the road of victories, p. 6.  
 Zhai'kov, S. - Once a soldier always a soldier, p. 9.  
 Krivoshei, A. - Important party work, p. 11.  
 Mitrofanova, L. - More on the quality of hides, p. 15.  
 Stojmov, L. - Selective research, p. 17.  
 Economic indices of the activities of cooperative societies, p. 20.  
 Kharitonov, M. - Specialization trend, p. 22.  
 Smol'nikov, I. U. - Cooperators take an examination, p. 24.  
 Teterin, V. - New method of the treatment and distribution of eggs, p. 25.  
 Popenkova, V. - Hidden potentialities for the increase of swine fattening, p. 26.  
 Dvornik, G. - Mechanized slaughter houses, p. 31.  
 Litvinova, S. - Let's introduce progressive practices into industry, p. 28.  
 Sorokin, A. - Control as indispensable prerequisite for the fulfillment of a plan, p. 29.  
 Fokin, S. - Economic work became more active, p. 30.  
 Fedulov, V. - Let's make better use of nature's pantry, p. 31.  
 Kondrashova, T. - Fishing in local waters, p. 33.  
 Tikhonov, E. - First steps of the Komarov fish culturists, p. 34.  
 Organizing the fish ponds, p. 35.  
 Gol'tseker, I., Terekhov, G., Khachaturov, I. U. - Display of merchandise in a store, p. 43.  
 Chazov, P. A. - One of the first, p. 51.  
 Golovashchenko, V. - New life in Geymnovskaya stanitsa, p. 53.  
 Viskharev, M. - In this remote past..., p. 55.  
 Weiss, H. H. - We improve consumer services, p. 57.  
 Balashov, A. - Visiting with Japanese cooperators, p. 60.  
 Tsonia, A. - Ice cream, p. 61.

#### SOVETSKAIA TORGOVIA [SOVIET COMMERCE]

Issued by Gosudarstvennyi komitet Soveta Ministerov SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce], Moscow, vol. 38, no. 3, Mai, 1965.

- Table of contents translated  
 Editorial: Excellently made-excellently sold, p. 1.  
 Orlov, I. A. - Ties between industry and trade, p. 3.  
 Levin, A. - Economic regulation of the market, p. 10.  
 Gamza, B. - Present-day problems of warehousing, p. 14.  
 Taranenko, E. - Standard scheme of centralized delivery, p. 18.  
 Kilmenko, V. - Business fairs and the production of goods, p. 21.  
 Laptev, D. - Use of containers reduced transportation costs, p. 24.  
 Kutlanin, G., Shtal, I. - Properties of polyethylene films used for packing, p. 26.  
 Kapranov, S. - Women's handwork..., p. 20.  
 Gorshkov, N., Andonovich, V. - Wholesale-trade representation are aids of the retail trade, p. 31.  
 Grachev, V. - In the land of fabrics, p. 38.  
 Zimin, V. - In Skladin, p. 37.  
 Petov, D., Ivanitski, V. - Determining the efficiency of capital investments, p. 38.  
 Uralov, B. - What hinders the accounting centralization, p. 45.  
 Zarin, P. - The customer's word, p. 40.  
 Golitski, V. - Goods within the reach of hands, p. 47.  
 Kozlovskii, A. - Selling on credit in the U.S.A., p. 49.  
 Reducing losses connected with containers is an urgent task, p. 52.  
 Etingof, B. - What shows the practice of Affenburger, p. 54.  
 In the State Committee on Commerce of the Council of Ministers of the U.S.S.R., p. 58.

#### TORGOVIA ZA RUZHOM, organizatsiia, novye metody, tekhnika torgovli i masovogo pitaniia [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service]

Moscow, no. 8, June 1965.

#### VNESHNIAIA TORGOVIA [FOREIGN TRADE]

- Organ of Ministerstvo vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.], Moscow, vol. 45, no. 6, 1965.  
 Table of contents translated:  
 Khrilov, A. - The output of machinery and equipment is increasing and export potentialities expand, p. 3.  
 Taltosh, D. - In the spirit of fraternal friendship, p. 7.  
 Stronski, B. - In close contact, the Polish-Soviet scientific and technical cooperation, p. 13.  
 New developments in the organization and methods of administration, p. 16.  
 Businessmen's opinion about Soviet airplanes, p. 19.  
 Burguchov, G. - Problems of transit trade of the developing countries, p. 22.

Khvoinik, P. - Some tendencies in the movement of prices for raw commodities. p.27.  
 Fil'shtinski, S. - Different methods, but the same neocolonial substance. p.33.  
 Made especially for the topics. p.35.  
 Englarov, A. - "Koneka," a Soviet-Finnish joint stock company. p.38.  
 Levesin, F. - Using the conditions of the market for equipment. p.44.  
 Announcements. p.54.

## b. ECONOMICS

EKONOMIKA I MATEMATICHESKIE METODY [ECONOMICS AND MATHEMATICAL METHODS] Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol 1, no 2, Mar.-Apr. 1965

Table of contents translated:  
 Mikhailevskii, B. N. - One-sector dynamic model, and the evaluation of the efficiency standards of capital investments. p. 169.  
 Volkonskii, V. A. - Optimal large-scale planning, iterative methods and the principle of decomposition. p. 195.  
 Gel'chuk, I. A. P. - Practice in standard evaluation of the levels of labor productivity on the basis of a model of production functions. p. 220.  
 Isaev, B. L. - Financial accounts in an economic model, French practice. p. 233.  
 Golinskii, M. M. - Algorithm of an approximate calculation of total labor intensity. p. 243.  
 Ehin, I. A. - Planning for the use of the capital assets of an enterprise. p. 249.  
 Mikhel'son, V. S. - Finding critical paths in the network schedules. p. 256.  
 Finkel'shtein, I. U. - Solving special-type discrete programming problems. p. 262.  
 Nesterov, E. P. - Solution of the transportation problem by the method of solving summands. p. 271.  
 Freiner, A. A. - Graphic method of constructing economic and statistical models. p. 275.  
 Mednitskii, V. G. - Optimal layout of the strip. p. 282.  
 Fridman, G. Ya. - Possibilities of using linear programming, based on the example of petroleum refining production. p. 289.  
 Liubovich, I. U. O. - International conference on operational research. p. 297.

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Institut ekonomiki Akademii nauk URSS [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 3, Mar. 1965.

Table of contents translated:  
 Editorial - Employ every potentiality of agricultural production! p.3.  
 Burlin, V. - National economy of the Ukrainian S.S.R. in 1964. p.8.  
 Haytsenko, P., Repenko, A. - Improving quality and durability is the most important task of machinery manufacturing workers. p.10.  
 Rudnyts'kyi, P. - Potentialities of the efficient use of capital assets in the alcohol industry. p.21.  
 Prodancets, S. - Guaranteed wages should be introduced on all collective farms. p.28.  
 Baranov, M. - We are for the piecework wage system. p.33.  
 Kofan, I. - Specialization within individual production units on swine-fattening collective farms in the beet-growing zone of the Ukraine. p.37.  
 Sotchenko, Z., Radzilevs'ka, L., Lypchyn's'ka, L. - Ways to improve administrative guidance are verified by experiment. p.42.  
 Horodov, V. - Planning the transportation of potassium fertilizers by the method of linear programming. p.48.  
 Bilukha, M. - Improve accounting to meet present-day requirements. p.53.  
 Laban, P. - For the establishment of correct norms, and correct use of working capital. p.57.  
 Aleksienko, M., Mykhail'chuk, F. - Role of the plant fund in increasing the material self-interest. p.63.  
 Mazzylo, V. - National economy of the Ukraine in the service of the front during the first period of the Great Patriotic War. p.67.  
 Zaseans'kyi, V. - Learn to manage economically and efficiently. p.71.  
 Kantshechev, V. - Economic efficiency of sweet clover. p.75.  
 Orlov, E. - How specialization benefited the Kalinin Collective Farm. p.77.  
 Levit, O. - Against the new fables about the "decapitalization" of agriculture in the U.S.A. p.79.  
 Khylyuk, F. - Practice in regional economic planning in capitalist countries. p.84.

Vol. 8, no. 6, June 1965.

Table of contents translated:  
 Leitchenko, M. - Introduce and master the productive capacity faster. p.3.  
 Vavels'kyi, V. - The fishing economy and culture of Soviet Transcarpathia. p.9.

Kocherha, O. - Problems of developing the public dining system. p.15.  
 Leont'ev, O. - Economic nature of the working capital of socialist enterprises. p.24.  
 Shavron's'kyi, S. - Role of state property in the development of collective-farm property. p.29.  
 Seradenko, M., Iemel'ianov, A., Kulushchev, M. - Efficiency of capital investments in developing the preparation of iron ore. p.33.  
 Makhynia, M., Mai'hanychuk, V. - Some problems of capital yield in the sugar industry. p.38.  
 Zavinov's'ka, H. - Potentialities for reducing the costs of production in the chemical machinery industry in the Ukraine. p.45.  
 Cherednychenko, M., Kozlov's'kyi, B. - Centralization of the administration of production. p.49.  
 Ivanukh, P. - Concentration and specialization of agriculture in Lvov Province. p.51.  
 Rukavets', P. - Collective farms have superior elective organs of their own. p.58.  
 Nahirniak, P. - Methodology of compiling a balance of the population's monetary income and expenditures. p.61.  
 Mikhno, M. - Use of linear programming in planning the metal supply of industry enterprises. p.69.  
 Huslev, V. - 10 years of the work of the first building combine of the country. p.75.  
 Riabokon, P. - Inexhaustible source. p.81.  
 Kondrat'ev, A. - How to register suggestions (a consultation). p.84.  
 What should be paid attention to. p.89.  
 Bondarenko, V. - Fraternal relations of the Ukraine and Czechoslovakia. p.88.  
 For the propagandist's notebook. p.93.  
 Chernenko, V. - Ukrainian industrial fair. p.94.  
 Havrysh, V., Prymak, K. - In the Economics Research Institute of the State Planning Committee of the Ukrainian S.S.R. p.95.

EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION] Issued by Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction of the U.S.S.R.]. Moscow, no 5, May 1965.

Table of contents translated:  
 Iakubovskii, F. - Improve the efficiency of assembly work. p.1.  
 Bashmakov, I. U. - Practice in introducing continuous operation methods. p.10.  
 Kusholevich, B. - Comprehensive method of mounting equipment. p.13.  
 Levin, M. - Results of introducing progressive technology. p.15.  
 Blokh, E., Talalai, S. - Industrialization of heat-insulating work. p.18.  
 Byzer, L. - This will accelerate and reduce the cost of construction. p.21.  
 Kharras, Z. - Economics of the installation of vertical apparatus. p.23.  
 Lykov, I. - Centralizing the manufacture of sanitary equipment and fixtures. p.26.  
 Popovskii, B. - Advantages of rolling sheet elements. p.28.  
 Farber, D. - Economic calculations are at the base of production improvement. p.30.  
 Shul'ts, G. - In the effort for high quality. p.33.  
 Timofeev, S. - Analysis of the cost of installation work. p.36.  
 Karakashian, A., Karpushin, I. - Accounting for labor productivity in physical terms. p.39.  
 Briukhanov, N., Piltimov, V. - Practice in introducing a piecework wage system. p.43.  
 Eoborykin, E. - Active aids. p.45.  
 Voychenko, N. - Ensure the advanced development of the supply base for the construction industry. p.47.  
 Lubnits, G., and others. - Improve the role and significance of economic levers. p.51.  
 Dzikovskii, G. - Three-dimensional model for the production and transportation of materials and products. p.58.  
 Akhund, A. - Gaining time. p.61.  
 Griazev, I. - Improve the accounting to meet new tasks. p.64.  
 Sholnman, I. A. - Use of machinery and trust's profitability. p.66.  
 Voloshin, S. - Broaden the rights of contracting organizations. p.69.  
 Replies to our readers' questions. p.71.  
 Bershidskii, A. - On the agenda: estimated norms and prices. p.79.

LIAUDIES UKIS [THE LITHUANIAN ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, nos. 8(80)-7/8(81-82), June-Aug. 1965. [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHODNARODNYE OTNOSHENIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhodnaroednykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, 1965.

Table of contents translated:  
 Gaikin, A. - The masses and foreign policy. p.3.

Rymatov, V. - New phenomena in the export of capital from imperialistic countries. p.15.  
 Lubimova, V. - French state-monopoly capitalism and colonial policy. p.29.  
 Diligenski, G. - "Consumer society" and class consciousness of the proletariat. p.43.  
 Kozlova, K. - Economic platform of "conservatism" in the U.S.A. p.57.  
 Current problems of the world politics. p.69.  
 Leont'ev, L. - Political economy of the modern world. p.87.  
 Likhachev, B. - The Johnson administration dollar program. p.98.  
 Sheinin, E. - French monopolies in Latin America. p.100.  
 Khrenov, I. U. - Malaysia in the schemes of British imperialists. p.102.  
 Meletindis, I. - Struggle for the democratization of Greece. p.104.  
 Matsenko, I. - Fate of "White upland" in Kenya. p.105.  
 Iordanskala, E. - structural changes in the agriculture of the Federal Republic of Germany. p.111.  
 Andreassian, R., Kosova, V. - Western Europe, oil and monopolies. p.121.  
 The Augustin-Guttenberg debate (the Federal Republic of Germany). Is a new policy necessary in the German Problem? p.131.  
 Rydvanov, N. - Machines in agriculture. p.155.

MOSCOW, UNIVERSITET, Vestnik. Seria 8: Ekonomika, filosofiya [UNIVERSITY. Review, Series 8: Economics, Philosophy]. Vol. 20, no. 2, Mar.-Apr. 1965.

Table of contents translated:  
 Grandberg, Z. A. - Automation as the principal essence of the modern scientific and technical revolution. p.3.  
 Lion, V. I. A. - Distribution of public consumption funds and their influence on the family budget. p.11.  
 Nikitina, L. V. - Regulating commodity stocks according to the changes in the population's demand. p.21.  
 Danilova, L. N. - Anticommunism is the worst enemy of democracy. p.28.  
 Kulikova, N. N., Gumnitskii, G. K. - The problem of the criterion of moral progress. p.35.  
 Iablokov, I. N. - The influence of certain psychological factors on religiousness. p.43.  
 Ryzhuk, D. A. - Taras Shevchenko's aesthetic views. p.51.  
 Samoilov, L. N., Zubkov, I. F. - "Wholeness" as a category of materialistic dialectics and its place in the system of categories. p.58.  
 Vinogradov, I. P. - Improving the auxiliary production is the most important potentiality for increasing labor productivity. p.55.  
 Pozdyshev, V. I. - Labor turnover and ways to overcome it in industry. p.73.  
 Gabchenko, V. - An interesting book on dialectical logic. p.78.  
 Kurochkin, N. - Plans in science in step with the plans in life. p.81.  
 Grandberg, Z., Dunaev, E. - Problems of methodology discussed. p.84.  
 Korotsev, P. - Marxism and existentialism. p.91.

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Committee of the Kazakh S.S.R.]. Alma-Ata, vol. 23, no. 3, Mar. 1965.

Table of contents translated:  
 Honorable duty of the builder. p.3.  
 "Flagship" of the nonferrous metallurgy has completed the seven-year plan. p.7.  
 Takezhanov, S. - Twelve years without reclamation. p.8.  
 Skorobogatov, V. - Everybody is responsible for quality. p.12.  
 Zikibaev, E. - Foreman Aitken Taisalakova. p.15.  
 Khripuchkin, I. U. - There are people behind norms. p.16.  
 Establishment of work norms should be put on a scientific basis. p.17.  
 Perten, I. U., Agranovich, L. - We have introduced [mechanization]. Suggest the Kazakhstan workers do the same. p.22.  
 Panarin, A., Stizneva, Z. - Economy and regularity. p.27.  
 Boriskin, I., Chukilev, A. - Finish the job you have begun. p.32.  
 Zhuravkov, A. - Planned... overexpenditure. p.36.  
 Aleksanov, A. - The problems can be solved. At what expense? p.39.  
 Dvoskin, B., Kalkambaev, V., Marisymov, A. - Future of the industrial center. p.43.  
 Vukhlov, B. - Means of the accelerated development of a region. p.47.  
 Oknev, K. - Plan and stimulate capital yield. p.50.  
 Bel'savskii, K. - Problems demanding attention for a long time. p.63.  
 Shevchenko, V., Prishchepa, A. - Mechanize administrative work. p.55.



Kurbatov, V. - We tackled the job together p. 59.  
 Zoshchuk, N. - How to prepare good and inexpensive concrete p. 63.  
 Galda-Daranovskii, A., Imangulov, I. - Natural gas in cupola furnaces. p. 61.  
 Matkevich, A. - Precast-solid foundations. p. 66.  
 Konorev, N. - Economical and expedient p. 66.  
 Ilyusova, K. - Steam is regulated by automats p. 67.  
 Maksimov, V. - Goods, store, and customer p. 68.  
 Sigal, M. - Source of knowledge p. 71.  
 Outer space, production, and economics. p. 76.  
 Kenezbaev, S. - Powerful forces of friendship and fraternity p. 79.

NOVAIA INOSTRANNAIA EKONOMICHESKAYA LITERATURA (NEW FOREIGN ECONOMIC LITERATURE). Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 3, 1965.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY] Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol. 42, no. 6, June 1965.

#### Table of contents translated

Novikov, I. - Increase the role of economic methods in the planning and organization of capital construction. p. 1.  
 Etmekdzhan, A. - Several problems of the accelerated development of the chemical industry. p. 6.  
 Gluzburg, S. - Increase the efficiency of capital investments in the reconstruction of enterprises. p. 12.  
 Kozhevnikov, E. - Current problems of the construction of the means of transportation. p. 17.  
 Iakovlev, A. - System of planning and administration on the basis of network schedules. p. 20.  
 Bunich, P. - Methodological problems of planning productive capacity. p. 31.  
 Malyshev, A. - Verification of plan fulfillment. p. 40.  
 Korovina, Z., Igol'nikov, G. - New plants should have a well-founded plan. p. 44.  
 Voskanian, G. - Role of local planning organs in national economic planning. p. 50.  
 Brev, M. - Planning and forecasting. p. 58.  
 For more efficient forms of management. p. 67.  
 Utkin, E. - Important factor in the economic development of the liberated countries. p. 74.  
 Mitenmakher, L., Bosis, A. - Operation and production planning in a combine constructing industrial plant. p. 82.  
 Levin, V. - Planning the optimal size of construction and assembly organizations. p. 85.  
 Zaruev, V. - Mechanism of supply and demand. p. 87.  
 Information. p. 81.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 22, nos. 6-7, June-July 1965.

#### a. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT] Organ of Gosudarstvennyi bank SSSR [U.S.S.R. State Bank]. Moscow, vol. 23, no. 5, May 1965.

#### Table of contents translated:

Editorial: Urgent measures for the development of agriculture. p. 3.  
 Pessel', M. - The State bank and the development of capital assets of industry. p. 8.  
 Mamonova, I. - Business accounting and payment discipline. p. 15.  
 Qinsburg, P. - Estimated prices in industry. p. 22.  
 Credit for capital expenditures:  
 Bilznet, V. - Issuing credit for the capital investments of state farms. p. 27.  
 Boronnikov, A. - The bank and technological progress. p. 30.  
 Korobova, G. - Sources of refunding credit for new equipment. p. 33.  
 Usoskin, M. - Credit during the years of the Great Patriotic War. p. 35.  
 Kats, L. - State Bank field branches during the period of the Great Patriotic War. p. 39.  
 Kozhevnikov, A. - Expand the development of the communist labor movement. p. 44.  
 Ezhov, N. - Control over the reduction of above-norm inventories. p. 48.  
 Testov, A. - Efficiency of issuing credit to collective farms. p. 51.  
 Tsol, V. - Mobilization of internal funds for financing capital investments. p. 52.  
 Gershun, A., Skalozubova, N. - Control over financing capital expenditures. p. 55.

Lemanova, N. - Practice in improving payments. p. 57.  
 Zakharov, A. - Payments by checks to wholesale organizations. p. 59.  
 Kamalov, D. - Control over refusals to accept demands for payment. p. 60.  
 Sigolov, G. - Centralization of accounting in State Bank branches. p. 61.  
 Chernyshova, T. - Using credit to improve the work of supply and sale organizations. p. 65.  
 Krasavina, L. - Inflation and state monopoly measures in France. p. 73.  
 Brief information on foreign exchange and banks abroad. p. 83.

Vol. 23, no. 6, June 1965

#### Table of contents translated

Vorob'ev, V. - Some problems of currency circulation under the conditions of the large-scale building of communism. p. 3.  
 Chetverikov, P. - Savings banks in the closing year of the five-year plan. p. 10.  
 Fonarev, E., Novoselov, P. - Simplify payments for goods sold on credit. p. 16.  
 Rabinovich, M. - State Bank branches and improvement in the quality of consumers' goods. p. 21.  
 Tuzhikin, P. - Collective farm payments. p. 26.  
 Nosyrev, S. - Long-term credit and strengthening the economy of collective farms. p. 34.  
 Kiluchnikov, K. - Some problems in the organization of payments by checks. p. 38.  
 Kaganov, G. - About an erroneous concept. p. 42.  
 Chernov, I. - Economic work on currency circulation. p. 46.  
 Zysman, G., Luk'ianova, B. - Consolidated payments. p. 51.  
 Gutov, S. - Nonsystematic accounting for checks p. 55.  
 Gold, A. - Analysis of the economic efficiency of capital assets. p. 58.  
 Supplying credit for capital assets:  
 Zhangeriev, I. - Issuing credit for capital investments. p. 58.  
 Zhitomirskaya, TS. - Bank loans for new equipment. p. 60.  
 Centralization of accounting:  
 Barashina, A. - How the centralization of accounting benefited us. p. 61.  
 Gavrilyovich, I. - We are expanding the mechanization and centralization of accounting. p. 63.  
 Bank credit is conducive to economic development. p. 66.  
 Problems of currency circulation. p. 72.  
 Maksimova, L. - Currency circulation in the Federal Republic of Germany under the sign of militarization. p. 76.  
 Shtroum, K. - Foreign exchange policy of France. p. 85.  
 Brief information on foreign exchange and banks abroad. p. 88.  
 In the Board of Directors of the State Bank of the U.S.S.R. p. 92.  
 Economic work on currency circulation should be equal to the new tasks. p. 93.

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 30, no. 6, June 1965.

#### Table of contents translated:

Editorial: Give more attention to workers' letters and complaints. p. 3.  
 Manolov, F. - Improve the control and auditing work of financial organs in every way possible. p. 7.  
 Balamutov, G. - Some problems of personnel training and selection. p. 15.  
 We are discussing ways to improve economic work:  
 Golubuk, M., Zaitorski, I. - The "Sot'khoshtekhnika" organizations and the control of financial organs. p. 20.  
 Tkachuk, M. - For better coordination of work. p. 24.  
 Tul'chinskii, L. - Material incentives for training the labor supply. p. 26.  
 Khigatani, V. - Mathematical methods and planning for profit. p. 32.  
 Improve the efficiency of the use of working capital:  
 Levitskii, P. - Characteristics of the computation of working capital under the conditions of extensively developed cooperation. p. 38.  
 Shevtov, V. - Strengthen material incentives. p. 43.  
 Krupnik, M. - Important index. p. 49.  
 Spasskii, A. - Accounting for working capital. p. 50.  
 Molakov, D. - Financial organization of firms. p. 53.  
 Golovachev, G. - Control should aid agriculture. p. 55.  
 Levin, V. - Important condition for increasing the profitability of construction organizations. p. 61.  
 Meidunas, V. - Public participation and the carrying out of the budget. p. 62.  
 Badin, K. - Leaders of financial organs of Karaganda Province. p. 64.  
 Arslavskii, M. - Results of the absence of control. p. 67.

Replies to the editor. p. 68.  
 Kuluzov, G. - Financing the work on fundamental improvement on collective farms. p. 68.  
 Pavevskii, V. - New procedure applied to collective farms for computing and paying their income tax. p. 73.  
 Volkoskovskaya, U. - Financing the development of technology in the People's Republic of Poland. p. 77.  
 Artemov, I. - In the Financial Research Institute p. 88.  
 Increasing the role of the Ministry of Agriculture in agricultural production. p. 91.  
 Material incentives for the workers of light industry, the food industry, and trade. p. 92.  
 Standard regulation on the centralized accounting offices. p. 94.

#### d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoyuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 8, no. 4, Apr. 1965.

#### Table of contents translated

Lenin's traditions live and get stronger. p. 1.  
 Mel'nikov, I. - Urgent tasks of trade unions in villages. p. 3.  
 Andreev, B. - Practice answers the question. p. 4.  
 Okunov, I. - Workshop "culture maps." p. 6.  
 Lokmatov, N. - History of a figure. p. 7.  
 Komarova, N. - This is important for their health. p. 8.  
 Kozlovskaya, A. - Main concern. p. 11.  
 Pushkar', I. - Take care of your heart; work at rest regime for stenocardia patients. p. 14, 18.  
 For you, builders. p. 16.  
 Shakhov, G. - For excellent service and treatment. p. 20.  
 Slutskii, S. IA. - Sanatoriums for adolescents. p. 21.  
 Semenov, E. - In defense of those who search. p. 22.  
 Turchin, N. - Joint construction and recreation work. p. 25.  
 Giumakov, V. - More on protective clothing. p. 26.  
 Technical information. p. 28.  
 Titov, V. - How the observance of a work and rest schedule should be checked. p. 30.

Vol. 8, no. 5, May 1965.

#### Table of contents translated:

Holiday of working people. p. 2.  
 Kuzlukov, F. - Life as a promoter of good initiative. p. 4.  
 Antipin, V. - When an inspector becomes an organizer. p. 7.  
 Kolchanov, N. - Youth of a hundred-year-old plant. p. 8.  
 Progress wins recognition. p. 10.  
 Chicherin, I. - We are going to work in the "house of highest comfort." p. 12.  
 With the help of innovators. p. 14.  
 Technical information. p. 15.  
 Karaseva, N. - Those who help the pensioners. p. 16.  
 Novikov, V. - Relying on active workers. p. 17.  
 Medvedeva, V. - In the sanatorium of an administrative plant. p. 18.  
 TSossarskii, A. - On the shores of Yenisey (to be concluded). p. 20.  
 Advice to rural machine operators. p. 22.  
 Sinyavskii, G., Novosel'tsev, V. - In search of new methods. p. 26.  
 Volokhov, M., and others. - In order to have clean air.... p. 27.  
 Arnoldi, I. A. - Work and rest schedule for athletes. p. 31.  
 Zhelezniak, A. - Good deeds have light wings. p. 33.  
 Zaitsev, N. - Sanatorium beyond the Arctic Circle. p. 34.  
 Syrochokovskaya, M. N. - Saline waters as a powerful medicament. p. 34.  
 Giumakov, V. - Engineer Barkov resigns. p. 35.  
 Shakhov, G. - Lost passes. p. 36.  
 Iakovlev, G. - From the practice of power engineers p. 40.  
 Air compressors. p. 42.  
 Building materials industry. p. 43.  
 Grigor'ev, I. - If you got sick on a field trip. p. 44.  
 Balygin, K. - Questions and answers. p. 45.  
 Pass to a sanatorium. p. 46.  
 Danilov, P. - Elucidations upon the request of our readers. p. 47.

RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda," Moscow, nos. 6-7, June-July 1965.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'nyi Kamitet Kommunisticheskogo partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 41, no. 6, June 1965.

**SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS].** Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 21, no. 12(318), June 1965.

Table of contents translated:

- Guseinov, K. - For a strict watch over the observance of labor legislation. p. 1.  
 Orlov, G., Shinkarev, P., Morozova, L. - "Steel horse" should be loaded to a full capacity. p. 5.  
 Shcheglov, G. - Offense. p. 6.  
 Polylnin, V. - A path beyond the horizon. p. 8.  
 Semlachkin, N. - Always in search. p. 11.  
 Ivanov, V. - Patent work and public tasks. p. 14.  
 Gudkov, I. - Fundamental law of the trade-union life. p. 18.  
 Safonov, E. - The worker's character. p. 20.  
 Il'ichev, M. - Locomotive engineer-public worker. p. 21.  
 Arkad'ev, D. - On the remotest farms. p. 22.  
 Emel'ianov, B. - Man departs from God. p. 26.  
 Orkin, G. - In order to make dinner cheaper. p. 28.  
 Alone with one's conscience, the motto "Believe in man." p. 30.  
 Gorov, I. - Internationalism is the banner of Soviet trade unions. p. 34.  
 Suotina, L., Zlatorunskii, A. - Against monopoly dominance. p. 37.  
 Izumov, I. U. - Cares, hopes, and disappointments. p. 39.  
 Maitykin, I. A. - "We... the policemen." p. 41.  
 Alechin, A. - The worker improves his qualifications. p. 43.  
 Regulations on the factory and plant local committees, comments to article No. 9. p. 45.

**VSESOUZNYI TSENTRAL'NYI SOVET PROFESSIONAL'NYKH SOIUZOV. Sbornik postanovlenii [ALL-UNION CENTRAL COUNCIL OF TRADE UNIONS. Decisions].** Moscow, Oct.-Dec. 1964, publ. 1965.

## a. SOCIOLOGY

**AZERBAICHAN GADYNY [AZERBAIJAN WOMAN].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 4, Apr. 1965. [In Azerbaijani]

**KAZAKSTAN ELDERI [KAZAKHISTAN WOMAN].** Alma-Ata, no. 6, June 1965. [In Kazakh]

**KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH].** Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 11, 13, June-July 1965.

**NOUKOGUDE NARNE [SOVIET WOMAN].** Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 21, no. 7(243), July 1965. [In Estonian]

**RADIANS'KA ZHINKA [SOVIET WOMAN].** Issued by Ukraine'ska respublikans'ka rada professiinykh sploik and Spilka radians'kykh pys'momyiv Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 20, no. 7(235), July 1965.

**SMENA [THE YOUNGER GENERATION].** Organ of Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 42, nos. 11(913)-13(915), June-July 1965.

**SOVET TURKMENISTANYN AIALARY [SOVIET TURKMENISTAN WOMAN].** Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 5(143), May 1965. [In Turkmen]

**SOVETSKAIA ZHENSCHINA [SOVIET WOMAN].** Organ of Komitet sovetskikh zhenshehin and Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soiuzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 21, nos. 7-8, 1965.

**ZHENSCHINY MIRA [WOMEN OF THE WHOLE WORLD].** Issued by Mezhdunarodnaya demokraticeskaya federatsiia zhenshehin [Women's International Democratic Federation]. Berlin, no. 5, 1965.

## 6. POLITICAL SCIENCE

**AGITATOR [AGITATOR].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 33, no. 9, May 1965.

Table of contents translated:

- Editorial: Great victory of the Soviet people. p. 3.  
 Dolko, V. - An immortal feat. p. 8.  
 Semchenkov, I. - The closing hours of years. p. 12.  
 Belenichova, L. - In the name of life on earth. p. 17.  
 Gaponov, V., Zaitsev, A. - Men with Danko's heart. p. 22.  
 Paderin, I. - The legendary sniper. p. 29.  
 Shariuk, P. - Sentinels of the Soviet border; for Border Guards Day. p. 32.  
 Senin, M. - Fighting alliance of the European socialist countries, for the 10th anniversary of the Warsaw Pact. p. 34.  
 Fomenko, M. - Our Sholokhov; for his 60th birthday. p. 37.  
 In accordance with the decisions of the Plenum... p. 40.  
 Koldar, P. - All strength is in the people. p. 44.  
 Gabbidulin, V. - The road to profitability of all farms. p. 47.  
 All-Union seminar on visual propaganda. p. 51.  
 Morozov, M. - Raise the level and effectiveness of visual propaganda. p. 53.  
 Vaulik, M. - Czechoslovak virgin soil; for the 20th anniversary of its liberation from fascist occupation. p. 57.  
 A continent is attaining manhood in struggle; for Africa Liberation Day. p. 60.

Vol. 33, no. 11, June 1965.

Table of contents translated:

- Editorial: Education in the revolutionary and heroic traditions. p. 3.  
 Pavlov, S. - We are the young guard; for the Soviet Youth Day. p. 7.  
 Gamarra, I. - The light of the Leninist ideas. p. 12.  
 Gorodetskiy, E. - Iakov Sverdlov. p. 15.  
 Zagorukko, S. - Organized care for living conditions will help agriculture. p. 20.  
 Lemeshev, V. - Engaged in good causes... p. 23.  
 Snytkin, V. - Greenhorns become acquainted with the shop. p. 25.  
 Ablova, G. - Strengthening the contact with the propaganda collectives. p. 26.  
 Nemenova, L. - Young people side by side with us. p. 28.  
 Nazarov, V. - The gardener. p. 31.  
 Fedorchenko, V., Gerinas, A. - In the national museums of the L'viv region; a photo-report. p. 32.  
 Korneshov, L. - Command of the heart. p. 34.  
 IUsin, A. - Family. p. 38.  
 Dmitriuk, A. - Visual propaganda in the village. p. 38.  
 Rudnev, V. - Our system of antireligious propaganda. p. 42.  
 Ksenofontov, N. - Living word. p. 45.  
 Il'in, B. - Heavy industry is here for the welfare of the people. p. 46.  
 Kravchuk, V. - When the talk turns to wages... p. 50.  
 Margulis, I. U. - How to stimulate the construction and introduction of new machines? p. 52.  
 Economic development of the fraternal socialist countries; facts and figures. p. 54.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTE-BOOK].** Issued by Ideologicheskie otdely Irkutskikh promyshlennogo i sel'skogo obkormov KPSS [Ideological Sections of the Irkutsk Province Industrial and Agricultural Committees of the Communist Party of the Soviet Union]. Irkutsk, no. 18, Sep. 1964.

**EESTI KOMMUNIST [COMMUNIST OF ESTONIA].** Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 21, no. 6, June 1965. [In Estonian]

**KAZAKSTAN KOMMUNISTI [COMMUNIST OF KAZAKHSTAN].** Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 44, no. 8, June 1965. [In Kazakh]

**KOMMUNIST [COMMUNIST].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 42, no. 10, July 1965.  
 Table of contents translated:  
 Editorial: The vital mission of youth is to build communism. p. 3.  
 Sneekus, A. - Development of the material and spiritual culture of the people. p. 13.

Vasil'ev, N. - There is every possibility of increasing the output of agricultural products. p. 24.

Kas'ianenko, V. - Achievement of economic independence. p. 35.

Kur'ianov, M. - Political propaganda and the propagandist. p. 45.

Skaterechikov, V. - Art and the knowledge of the world. p. 53.

Anti-Sovietism as one of the main trends in the ideology of contemporary imperialism. p. 64.

Reutov, O. - New trends in chemistry. p. 78.

Kositayn, A., Laptev, V. - The economic law of the Soviet state. p. 88.

Krdmke, Klaus. - Planning and leadership of the economy in the German Democratic Republic. p. 95.

Cooperation in the capitalist countries and the struggle against the industrial trusts. p. 107.

Müller, Gerhard. - Methods and forms of uniting West German peasants in productive associations. p. 108.

Flavien, Jean. - The future of agricultural cooperation in France. p. 117.

Dunman, Jack. - Cooperatives, monopolies and the socialist objective. p. 122.

Vol. 42, no. 11, July 1965.

Table of contents translated:

- Editorial: Initiative in work should be noted and encouraged. p. 3.  
 Mashekov, P. - The style of leadership and the training of workers. p. 12.  
 Miletovskii, A., Shudeev, V., Entov, R. - Imaginary and real changes in contemporary capitalism. p. 25.  
 Semenov, V. - Social structure of Soviet society. p. 39.  
 Borisov, E. - Unity of the economic interests of society, the enterprise and the worker. p. 49.  
 Kulikov, V. - The rural party district committee today. p. 60.  
 Narovchatov, S. - Civic enthusiasm in our poetry. p. 70.  
 Berezkin, A., Sokolov, E. - Unity of all revolutionary forces is demanded by the epoch. p. 83.  
 Kluomushin, G. - The anti-Soviet nature of the theory of "growing similarity." p. 99.  
 Derkov, A. - The American "secret police" and its chief. p. 103.

**KOMMUNIST [COMMUNIST].** Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 39, no. 6, June 1965. [In Kirghiz]

**KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 39, no. 5, May 1965.

Table of contents translated:

- Editorial: The Soviet man is the maker and creator. p. 2.  
 On current themes: Get to work, comrade deputies! p. 8.  
 The most prominent party organizer and builder of the Soviet state. p. 12.  
 Vially important measures. p. 16.  
 Detets, M. - Organizational work before all. p. 21.  
 Sakun, G. - The tomorrow of our collective farm. p. 28.  
 In a highly exciting situation. p. 30.  
 Bondar, V. - The principal thing is not to make errors and to prevent shortcomings. p. 33.  
 Kallitsa, G. - Initiative and spontaneity are the foundations of success. p. 39.  
 Gutovskaya, O. - Let us raise young reinforcements. p. 43.  
 Iur'eva, S. - Give the national economy highly qualified specialists. p. 47.  
 Shkurko, V. - Impart joy and inspiration to people. p. 52.  
 For the propagandist's notebook. p. 55.  
 Moiseenko, I. - Overall mechanization in industry. p. 59.  
 Goranin, A. - Quality of production should be the concern of party organizations. p. 83.  
 Mazur, V., Senkevich, M. - In the circle of contradictions of the "Common Market." p. 67.

Vol. 39, no. 6, June 1965.

Table of contents translated:

- Editorial: Intraparty democracy is the law of party life. p. 2.  
 Worthily welcome to the great anniversary. p. 8.  
 Dudich, Z. - The role of economic laws in the development of socialist production. p. 13.  
 Ralaiko, A. - Workers' creativity in engineering. p. 19.  
 Lugovtsov, I. - Learning upon science and advanced practice. p. 24.  
 Lisichkin, V. - An important form of atheistic work. p. 29.  
 Shirokikh, F. - Let us instill love for the land. p. 34.  
 Shayruk, V. - School and the public. p. 39.  
 New developments in ideological work. p. 44.

- Bekesh, A. - Where is the adherence to principles? p. 46.
- Kravchenko, A. - Aside from the beaten track. p. 47.
- Khlamanov, V. - Sower of the good and eternal. p. 49.
- Olekhovich, G. - At work as in combat. p. 54.
- Vasil'ev, G. - In a friendly and fraternal family. p. 60.
- Kvantseva, G. - Imperialism is the great obstacle on the road of development of the liberated countries. p. 64.
- KOMMUNIST ESTONIA [COMMUNIST OF ESTONIA]**  
Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia] Tallinn, vol. 25, nos. 5-6, May-June 1965.
- KOMMUNIST MOLDAVIA [COMMUNIST OF MOLDAVIA]**  
Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 10, no. 5, May 1965.  
Table of contents translated  
Editorial: Twentieth anniversary of the great victory. p. 3  
Shilov, L. - Combat banners are telling us. p. 8  
Uvarov, V. - From the storm indicator to interplanetary radio stations. p. 11  
Lysenko, V. - Moldavian and Ukrainian friendly relations are growing and becoming stronger. p. 16  
Starapkov, N. - A writer who belongs to the people. p. 22.  
Shavriev, I. - Party committee and party organizations in brigades and on farms. p. 31.  
Shulintsev, N. - Correct planning will guarantee the purposefulness of work. p. 36  
Party chronicle. p. 40.  
Koviazin, F., Vorob'ev, P. - Potentials of better utilization of agricultural machinery. p. 42.  
Shekun, G. - The problem of the utilization of floodlands. p. 46  
Klobutskii, V. - The fighting organ of the Bessarabian Communists. p. 51  
Reitman, Ch. - Time outside of working hours and the leisure time of workers. p. 56  
Makenko, M., Darli, M. - An important economic task is to reduce the cost of the managerial apparatus. p. 63  
Satukidzev, I. - An outstanding leader of the Communist Party and the Soviet state, for the 80th anniversary of I. A. M. Sverdlov's birthday. p. 68  
Rozhko, V. - Manly fighter of the Revolution, for the 70th anniversary of A. G. Zhelznikov's birthday. p. 70.  
Novak, A., Krutitskii, F. - Party life problems on the pages of district papers. p. 73
- Vol. 10, no. 6, June 1965.  
Table of contents translated:  
Editorial: Combat tasks of rural party organizations. p. 3  
Raise the level of economic research and improve the operation of economic specialists. p. 8  
Voinin, F. - Consolidate the experience of people's controllers and improve the forms and methods of their work. p. 14.  
Poletaev, P. - Correct planning is the indispensable condition for raising the level of agriculture. p. 20.  
Attenbuk, S. - Significant event, on the 25th anniversary of the union of Bessarabia with the Soviet Union. p. 28.  
Kopanskii, I. A. - Documents of international proletarian solidarity. p. 33.  
Uraev, I. - Certain laws of the growth of popular consumption in the U.S.S.R. p. 40.  
Timoshenko, I. - For a wider introduction of the principles of business accounting. p. 46.  
Vladimirov, I. - Undiminished attention to increasing the role of the public in protecting legal order. p. 50.  
Isakul, I. - Party control of administrative operations. p. 57.  
Verbitskii, N. - Meat processing without loss is the real task. p. 63.  
El'mov, A., Mikhashenok, V. - Concentration of woodworking in Moldavia. p. 69.  
Dobrovolskii, N. - Redlight to vehicles running empty! p. 75.  
Academic conference on Moldavian literature. p. 78.  
Izhezhian, M. - Feast of thirty heroes. p. 78.
- KOMMUNIST SOVETSKOI LATVIA [COMMUNIST OF SOVIET LATVIA]**  
Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia] Riga, vol. 20, nos. 6-7, June-July 1965.
- KOMMUNIST UKRAINE [COMMUNIST OF THE UKRAINE]**  
Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 6, June 1965.  
Table of contents translated:  
Editorial: Fully utilize every possibility and hidden potentiality in the development of agriculture.
- Kolobkov, V. - The building of communism and the development of the workers' spiritual culture. p. 11.  
Gurzhi, I., Sarbel, V. - Study and exploit the historiographical heritage thoroughly. p. 19.  
Pritskii, I. U. - The reconstructed Transcarpathia. p. 30.  
Os'mova, M. - Further development and extension of the international socialist division of labor. p. 37.  
Dovzhik, L. - The economic education of agricultural workers. p. 44.  
Biriukov, V. - The highest organ of a primary party organization. p. 50.  
Under the sun of the Soviet regime. p. 58.  
Shecherban', A. - The front line of scientific and technological progress. p. 68.  
Dofia, V. - What is the real substance of "moral theology." p. 76.  
The book trade as a constituent part of general party work. p. 83.  
Khranov, A., Makhrachev, A. - Developing the production of nonferrous and rare metals. p. 87.
- KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]**  
Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 37, no. 5, May 1965.  
Table of contents translated:  
Editorial: A worldwide historical feat of the party and the people. p. 3.  
Ellavetskii, B. - Economic levers for the leadership of socialist economy. p. 11  
Machanov, N. - Role of the district apparatus in the struggle for raising agricultural production. p. 19  
Babkov, I. - Provide agriculture with a strong repair base. p. 28  
Kalamov, F., Karimov, R. - Utilize the capital investments in animal breeding better. p. 33  
Iadgarov, D. - Under the Leninist banner of the Communist Party. p. 38  
Sultanov, I. - On the level of the demands of the party and the people. p. 45.  
Murav'ev, A. - Unity of education and training. p. 52  
Iatullin, P. - Council of atheists. p. 59  
Shepotkina, V. - An efficient tool to remove shortcomings. p. 62  
Iseev, G. - The fundamental work of Marxism-Leninism. p. 68  
For the curriculum in the system of political education for the 1964-1965 academic year.  
Topic: Marxism-Leninism on the international unity and solidarity of the communist parties. p. 73  
Khamid, Gul'am. - Pride of Soviet literature, for the 60th anniversary of M. A. Sholokhov's birth. p. 81.  
Toropchin, E. - The fraternal Czechoslovak Socialist Republic builds a new life; for the 20th anniversary of Czechoslovakia's liberation from the fascist yoke. p. 85  
Kudinov, A. - Ideology and goals of American "madmen." p. 90.
- Vol. 37, no. 6, June 1965.  
Table of contents translated:  
Editorial: The raising of the standard of everyday life should be in the center of attention of party organizations. p. 3.  
Kurbanov, R. - Make full use of economic levers in the raising of farming. p. 11.  
Lakhovskaya, V. - Material and moral incentives in labor. p. 20.  
Altynbayev, R. - Cooperative marketing in the system of the exchange of goods. p. 28.  
Bezmozdin, L. - Some problems of aesthetics in industry. p. 33.  
Khanazarov, K. - Formation of a new historical community of people in the U.S.S.R. p. 41.  
Kosenkov, N. - Communist society and personality. p. 50.  
Rompey, L. - Problems of the study of art in Uzbekistan. p. 50.  
Malyidin, F. - Efficient tool to attract workers to production management. p. 68.  
Liakhovskii, M. - People's university in "Pakhtanaral." p. 74.  
To have a command of Marxist-Leninist theory:  
Shendrik, A. - The academic year was fruitful. p. 77.  
Samsonov, A. - The propagandist is a political teacher. p. 79.  
Arshavskii, I. A. - We render methodological aid. p. 81.  
Azizkhanov, A. - The Turkistan bureau of the Central Committee of the Russian Communist Party (Bolshevik). p. 83.  
Chakhmakhsizants, B. - The waters of the Amu Darya come now to the Bukhara oasis. p. 89.  
Safarov, Z. - Improve the distribution network for goods. p. 91.  
Bozverkhov, A. - A ripe problem. p. 93.
- KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]**  
Issued by the Central Committee of the Communist Party of Tajikistan Dushanbe, vol. 30, no. 5, May 1965. [In Tajik]
- KOMUNISTAS [COMMUNIST]**  
Issued by Lietuvos Komunistu partijos Cento Komitetas [Central Committee of the Communist Party of Lithuania] Vilnius, vol. 46, no. 7(493), July 1965 [In Lithuanian]
- LENINIAN UGIOV [LENIN'S WAY]**  
Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, no. 6, May 1965. [In Armenian]
- MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]**  
Published by Vsesoyuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 12, no. 6, June 1965.  
Table of contents translated.  
Zhukov, I. U. - Problems of European peace and security. p. 3  
Mauuskin, B. - Criminal venture of the American aggressors in Indochina. p. 13.  
Kanyan, L. - Doctrine of international piracy. p. 21  
Palmo-Datt, R. - Great Britain, the course remains the same. p. 24  
Morris, G. - "Great society": a goal or a maneuver? p. 32.  
Oganis'yan, I. U. - New frontiers of "old" colonialism. p. 43  
Sei vando Garcia Ponce - The stolen pearl of Latin America. p. 53  
Kudrin, I. U. - The dialog between Moscow and Paris. p. 62  
Bobrov, A. - Spain at the "Atlantic crossroads." p. 65  
Commentator - Battles around the atomic bomb. p. 76  
Gigori'ev, E. - Legacy of the Reich and the future of Europe. p. 80  
Orlik, I. - The West and Eastern Europe. p. 83  
Fedotov, I. - Face of contemporary revanchism. p. 91.  
The case of Richard Sorge. p. 97  
Bokov, V. - Fruitful cooperation. p. 106  
Lapitskii, I. - The Lodge-Rostov mission. p. 107.  
Kartsev, A. - Integration under U.S. aegis. p. 108  
Aleksandrov, L. - Bitter fruits. p. 109  
Mikson, I. - Lawlessness continues. p. 110.  
International review. p. 122  
Savost'yanov, I. U. - Foreign trade of the U.S.S.R. p. 135.  
Washington's words and deeds. p. 136.  
Khabibov, F. - Consultations: The Arab Socialist Union. p. 139  
Kemal Ataturk "We are friends with Russia." p. 140  
The Crimea and Potsdam Conferences of the leaders of the three Great Powers (to be continued). p. 142
- Vol. 12, no. 7, July 1965.  
Table of contents translated:  
Aggressive policy of the United States and the contemporary world:  
Orehkov, F. T. - Events accuse the U.S. p. 4  
Paramonov, V. B. - The profile of Johnson's policy. p. 5.  
Men'shikov, S. M. - Economic roots of the American aggression. p. 6.  
Trushin, I. U. F. - A war against national liberation wars. p. 9.  
Petrov, D. V. - Plants of the U.S. and the political climate in Asia. p. 10.  
Mikhailov, S. S. - Johnson's thesis is to legalize armed interventions. p. 11.  
Kamylin, L. I. - Interventionists dotted the 1's. p. 13.  
Kudrjavtsev, V. I. - U.S. strategy in Africa. p. 14.  
Matveev, V. A. - The U.S. and NATO. p. 18.  
Mel'nikov, D. E. - The Pentagon-Bonn Axis. p. 18.  
Vidiasova, L. M. - Paris - Washington - Bonn. p. 19.  
Nekrasov, V. N. - Where is Great Britain going? p. 21.  
Sapozhkov, Sh. P. - The crisis in the U.S. foreign policy. p. 22.  
Polianov, N. - The philosophy of militaristic adventures. p. 25.  
Etinger, I. A. - Attacks against African unity. p. 35.  
Smecanin, N. - The United Arab Republic on the way toward new goals. p. 44.  
Mikhailov, M. - In the interest of good neighborliness. p. 53.  
Petrov, V. - American diplomacy in the United Nations. p. 60.  
Commentator. - Disarmament should be discussed at a world forum. p. 69.  
Boglov, S. - Metamorphoses in the nuclear strategy of the Laborists. p. 74.

- Israeli, V. - The struggle between ideas and diplomacy. p. 82.  
 Zhukov, V.I., Listov, V. - Without family, honor and hope. p. 83.  
 Sergienko, I. - Japanese militarism, forgetting the lessons of the past. p. 103.  
 Bonoslavskii, D. - 170,000 elected representatives of the people. p. 110.  
 Karagez'ian, K. - Under Mr. Erhard's black mantle. p. 111.  
 Vital'ev, L. - The repression of Santo Domingo. p. 112.  
 Khomutov, N. - British Premier's castle in the air. p. 113.  
 Tsirov, T. - The defendant is a Prime Minister. p. 114.  
 Vasil'ev, G. - Instructive results of an election. p. 115.  
 Alekseev, V. - Illusion of the colonizers. p. 116.  
 Lopatin, I.U. - "Motives to satisfy" Bonn. p. 117.  
 P'inski, M. - The tense situation in Bolivia. p. 118.  
 Alzman, I.U. - To the benefit of the revanchists. p. 119.  
 Viktorov, A. - An important meeting in Cairo. p. 120.  
 Makarov, V. - On the eve of a "second Bandung." p. 121.  
 Kaspin, A. - The help in training technical workers extended by the U.S.S.R. to underdeveloped countries. p. 135.  
 Aleksandrova, N. - In the interest of peace and security of the peoples. p. 136.  
 Ivanov, V. - Twenty years of independent Indonesia. p. 140.  
 Ermeceev, L. - The naval forces of the U.S.A. p. 141.  
 Mazaev, A. - The National Front for the Liberation of South Vietnam. p. 143.  
 Ievleva, T. - An example of fruitful cooperation. p. 145.  
 Smirnov, N. - Electoral system of the Federal German Republic. p. 147.  
 Egorova, N. - Dominican Republic. p. 149.  
 Anatol'ev, K. - Diplomatic documentation. p. 150.  
 Blzer, M. - Training of lecturers on international affairs. p. 152.  
 The Crimea and Potsdam Conferences of the Leaders of the Three Great Powers (to be continued). p. 153.

# NOVOE VREMIA [NEW TIMES]. Moscow, vol. 23, no. 25 (1947), June 1965.

- Table of contents translated.  
 Current events. p. 1.  
 Trofimova, I.I. - The three-party alliance; a letter from Warsaw. p. 4.  
 Dal'nov, V. - The conflagration across the river. p. 8.  
 Vol'skii, D. - The Pentagon's new plans. p. 11.  
 People and events: Layue Aarons, Trygve Bratelli. pp. 12, 17.  
 Ivanovic, H. - Development of Soviet-Yugoslav relations. p. 13.  
 Elrlukov, N. - What remains of the Paris-Bonn Treaty? p. 15.  
 Izakov, Boris. - In Atatürk's time and now... p. 16.  
 Gutierrez, Joaquin. - The attitude of our intellectuals. p. 18.  
 Listov, V. - Santo Domingo will not surrender. p. 22.  
 International notes. p. 24.  
 Flsh, Gemadil. - In the arctic regions of Sweden. p. 26.  
 The "Atelier" Theater, its history and founders; an interview. p. 28.

# Vol. 23, no. 26 (1948), June 1965.

- Table of contents translated:  
 Editorial: Remember and act! p. 1.  
 Sovremennik. - The foreign policy of Yugoslavia. p. 3.  
 Burchett, W. - People's government in South Vietnam. p. 5.  
 Wurmser, Andre. - France and the American aggression; a letter from Paris. p. 8.  
 Current events. p. 10.  
 Rozen, V. - For peace, national independence, and disarmament; report on the all-Union conference of the Soviet public. p. 12.  
 Mirskii, Z. - Rumania's new five-year plan. p. 14.  
 People and events: Abel Thauloy-Ganga, Mavmo Pacheco Gomez, Ahmed Benhima. pp. 15, 31.  
 Kotilev, N. - The abolishing of learning in Stuttgart. p. 16.  
 Svetlanova, S. - Sensations and surprises; scanning the foreign press. p. 18.  
 Povzner, J. - What happens on the "Common Market." p. 18.  
 Munoz, Garavito. - In Colombia, in our country... an interview. p. 21.  
 Kudriavtsev, V.I. - Rhodesia at a fateful divide. p. 24.  
 International notes. p. 26.  
 Kasatkin, D. - A journey to Pahlavi. p. 28.

# Vol. 23, no. 27 (1949), July 1965.

- Table of contents translated:  
 Chkhikvadze, V. - The peace movement and its prospects. p. 1.  
 Begonolov, O. - New methods of administering socialist economy. p. 4.  
 IU, Z. - Foreign press on the events in Algeria. p. 7.  
 Kondashov, S. - The mood in the United States. p. 9.  
 Current events. p. 12.  
 D.V. - Vietnamese Pompeii. p. 14.  
 Vladimir, A. - Ghana is training workers. p. 16.  
 Ognev, K. - Moscow Motion Picture Festival. p. 18.  
 International notes. p. 19.  
 Vitalii Ozerov. - At the entrance to an unknown house (to be continued). p. 21.  
 Shimmel, N. - Get a sun tan in shorts! p. 24.  
 Once again about the last days of the Third Reich. p. 25.  
 People and events: Otto Winzer; Reginald Maudling. p. 27.  
 Kobrin, M. - The New York Stock Exchange gets nervous; economic notes. p. 28.  
 Rozen, V. - Manners of the "free world": Members of high society. p. 31.

# Vol. 23, no. 28 (1950), July 1965.

- Table of contents translated:  
 Editorial: Good neighbor policy. p. 1.  
 Sovremennik. - Criteria of the revolutionary spirit. p. 3.  
 Guseinov, K.A. - Unity and solidarity are the most important matters. p. 5.  
 Zagladin, V. - Thirty years later; a letter from Brussels. p. 7.  
 Vasin, V. - Bonn Social Democrats and the "Bundeswehr." p. 10.  
 People and events: Gyula Kallai, Muhammed Ahmed Mahgoub. pp. 11, 29.  
 Gevekhii, I. - They are falling with anticommunism. p. 13.  
 Polish statesmen. p. 15.  
 Glazov, V. - Pentagon's Indochinese "polygon." p. 16.  
 Iordanskii, V.I. - The African village. p. 18.  
 Manners of the "free world": About factories and monkeys. p. 21.  
 International notes. p. 22.  
 Konstantinovskii, I. - Between the Danube and the Tisza. p. 24.  
 Ozerov, Vitalii. - At the entrance to an unknown house. p. 27.

# Vol. 23, no. 29 (1951), July 1965.

- Table of contents translated:  
 Paletskii, Justas. - Path of the people in the Baltic Sea region. p. 1.  
 Gaile, G.I. - Her plants are the pride of Latvia. p. 4.  
 Veimer, Arnold. - Our basic capital. p. 6.  
 Star, Ants. - A talk about my republic. p. 8.  
 Morkus, Albinas. - Returning to the motherland. pp. 11, 19.  
 Sedn, L. - At the Helsinki Congress. p. 13.  
 Minh, Dang Quang. - Military situation in South Vietnam. p. 15.  
 Vol'skii, D. - "The change of guard" in Saigon. p. 16.  
 Rukavishnikov, I. - Confusion in the "Common Market." p. 18.  
 IU, B. - Crisis in the Afro-Malagasy Organization. p. 19.  
 People and events: Algeria's new government. p. 20.  
 Rozen, V. - Reflections on the Motion Picture Festival, a report. p. 21.  
 International notes. p. 23.  
 Bozemyanskii, L. - Another job done. p. 25.  
 Shimmel, N. - Hamburg robot, a feuilleton. p. 27.  
 Svetlanova, S. - Manners of the "free world": Under the watchful eye of a boa constrictor. p. 31.

**PARTIYA TURMUSHI [PARTY LIFE].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 5, May 1965. [In Uzbek]

**PARTIYA ZHIZNI' [PARTY LIFE].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 12, June 1965.

- Table of contents translated:  
 Editorial: Every collective should be an educator. p. 3.  
 Shechtinin, S. - Mastering the art of leadership. p. 5.  
 Shtrum, M. - Material work stimuli. p. 13.  
 Shvydkov, IA. - The engineer must create. p. 23.  
 Antonenko, I. - Ten directors in fifteen years. p. 26.  
 Akimov, V. - Uskov, G. - The secretary as an organizer of collective work. p. 28.  
 Kuznetsov, A. - A worker of the party apparatus. p. 33.  
 Voronin, P. - Efficiency of the party-state control. p. 38.

The revisionary commissions of party organizations. p. 42.

Pay more attention to clubs

Tukhin, I. - Imminent problems. p. 45.

Tarasov, V. - Taking into account the needs of the village. p. 49.

Churbanov, Vadim - If initiative had been shown... p. 49.

Lemesheko, P. - "The secret" of a good disposition p. 50.

Taigallinov, A. - Control on rural construction sites. p. 60.

Sapego, V. - The suggestion has been shelved p. 62.

Denysheva, Z., Svinatenco, A. - In the rural organizations of the Socialist United Party of Germany. p. 63.

Signs of the new trend. p. 74.

Books on scientific atheism p. 77.

**PARTIYA ZHIZNI' [PARTY LIFE]** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan] Tashkent, vol. 8, no. 1, Jan 1965.

- Table of contents translated:  
 Editorial: Happy results, great perspectives. p. 3.  
 Businesslike and demanding conduct. p. 5.  
 Vengerskii, V. - Vital job of party organizations. p. 10.  
 Khushnudinov, I. - Manage economically and keep profit in mind. p. 17.  
 Madzhidova, O. - Our motto is outstanding quality. p. 21.  
 Ateev, N. - The main thing now is high productivity. p. 24.  
 Vodolozaskii, A. - The strength of party leadership is in the collective principle. p. 20.  
 Khisanova, A. - Trade unions are our support. p. 35.  
 Drobyshov, V., Shevtsova, L. - With keen sense for time. p. 39.  
 Zhdanov, G. - Party meeting. p. 43.  
 Gullamov, V. - Increase the responsibility of Communists. p. 48.  
 Musaev, M. - This was the dress rehearsal. p. 52.  
 The masses should be told about the decisions of the Supreme Soviet. p. 58.  
 Dzhuamalizov, R. - The collective is the best teacher. p. 60.  
 Atkhanov, A. - Well- tried method. p. 64.  
 Svenov, G. - Elena Lisina, the propagandist. p. 66.  
 Usmanova, F. - By word and deed. p. 69.  
 Iul'chov, E. - Antireligious education should be in the center of attention. p. 71.  
 Rassokhin, V. - Controllers need guidance. p. 74.  
 Kuznetsov, V. - On guard of production interests. p. 77.  
 Zil'nev, S. - The steppe is conquered by the brave. p. 79.  
 Avtonomova, F. - One for all, all for one. p. 82.  
 Kudratov, IU. - Reaching for new frontiers. p. 82.  
 Teminbaev, G. - We are working to improve the living conditions of animal breeders. p. 85.  
 Nishanov, IA. - The ranks of brigade party organizations grow. p. 86.  
 Ostrovskii, A. - Generous heart. p. 88.  
 Ughdzhanov, N. - Avalbek Umarov, the shepherd. p. 89.  
 Auxiliary groups of the party-state control organs. p. 91.  
 Akramov, A., Iuldashev, Kh. - New book on the history of the Communist Party of Turkistan. p. 93.  
 Party chronicle. p. 96.

**PARTIYA ZHIZNI' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]** Issued by Tsentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 35, no. 6, June 1965.

- Table of contents translated:  
 Editorial: Personal responsibility of a Communist. p. 3.  
 Shkurenko, I., Zharmenov, B. - Firm guarantee of our successes. p. 7.  
 Usatov, L. - Broad perspectives. p. 10.  
 Time hurries. p. 13.  
 Salomatov, V. - Once a decision is made, carry it out. p. 16.  
 Matyi, G., Mameshev, S. - Concern for the principal thing. p. 18.  
 Lachkov, D. - Party group in a plant. p. 23.  
 Galvoronskii, A. - The most important service of an enterprise. p. 26.  
 Ashimbayev, T. - Economics of management and the quality of production. p. 28.  
 Frishman, L. - International doctrine of communists of all countries. p. 33.  
 Khan, G. - Present stage of the national liberation movement. p. 36.  
 Zhetudkov, A. - Our propagandist. p. 39.  
 Boris, V. - School of propagandists. p. 41.  
 Iakovlev, V. - Necessary conditions for the formation of a scientific philosophy. p. 44.

- Ushakov, Sh. - In the days and ceremonies. p. 48.  
 Artyukhin, M. - At the sources of the revolutionary  
 struggle. p. 51.  
 Ioffe, G. Z. - To control means to pre-  
 vent. p. 54.  
 Iurak, V. V., Ushakov, D. - Restless man.  
 p. 59.  
 G. P. Ushakov, I. - Give all-out support to the servicing  
 of the daily needs. p. 61.  
 G. P. Ushakov, M. - How to prepare materials for the ar-  
 rest. p. 63.  
 Iurak, G. - Kazakhstan to the underdeveloped coun-  
 tries. p. 65.  
 W. - Raising car voice. p. 70.

# July 1965

- Table of contents translated  
 Vol. 1. The main task of the Communist Youth  
 League. p. 3.  
 Molotov, G. - The Republic on the eve of the harvest  
 p. 8.  
 Put into effect the decisions of the March Plenum of the  
 CPSU.  
 Kuznetsov, I. U. - The five year high of the Kaskelen  
 state farm workers. p. 14.  
 Kuznetsov, M. - Potentials of rice growing. p. 18.  
 The practice of preparing and conducting party meet-  
 ings in the primary organizations of Pavlodar  
 Province. p. 24.  
 Mironov, M. - Improving the style and methods of work  
 p. 27.  
 Isralov, M. - To be a Communist is a commitment.  
 p. 30.  
 Makhov, G. - For everyone a job he likes. p. 33.  
 Saitgaliev, V., Kabilov, Sh. - Economically and  
 fully. p. 35.  
 Rikhsiev, V., Baibakshiev, T. - Reliable cover for  
 defective products. p. 39.  
 Chumachenko, K. - Education of internationalists  
 p. 42.  
 Firtsov, I., Kolmogorov, E. - So that the movement  
 might grow and widen. p. 46.  
 Pudkov, I. - High activity. p. 49.  
 Ivanov, D. - Both counsel and aid. p. 50.  
 A word of Leninist truth. p. 52.  
 Kuznetsov, P., Artem'ev, A. - Fundamental link  
 p. 56.  
 Daishev, Sh. - Have a warm word for people  
 p. 59.  
 Zhigalov, B. - Nonstaff sections at work. p. 62.  
 Razumovskii, L. - Creative search for inspectors  
 p. 65.  
 Lebedev, K. - A letter came to the editorial office  
 p. 71.  
 Kamykov, R. - New man in Malin's prose. p. 73.  
 Makarov, T. - Said in dry and trite language. p. 77.  
 Kov, V. - Pages from the past. p. 79.

POITICHESKOE SAMOOBRAZOVANIE [POLITICAL  
 SELF-EDUCATION]. Issued by Tsentral'nyi Komitet  
 Kommunisticheskoi partii Sovetskogo Soiuza [Central  
 Committee of the Communist Party of the Soviet  
 Union]. Moscow, vol. 9, no. 7, July 1965.

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF  
 PEACE AND SOCIALISM]. Prague, vol. 8, no. 7(83),  
 July 1965.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Pre-  
 stavitel'stvo rossiiskikh emigrantov v Amerike  
 [Russian Immigrants' Representative Association in  
 America]. New York, vol. 7, no. 6(78), June 1965.

SOVETY DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS  
 OF WORKERS' DEPUTIES]. Issued by the News-  
 paper "Izvestia." Moscow, nos. 6(96)-7(97), June-  
 July 1965.

UKRAINS'KYI SAMOSTIINYK [UKRAINIAN INDEPEND-  
 ENT]. Munich, vol. 16, no. 4(486), Apr. 1965.

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKI-  
 STAN]. Issued by the Central Committee of the Com-  
 munist Party of Uzbekistan, Tashkent, vol. 37,  
 no. 8, June 1965. [In Uzbek]

VOPROSY ISTORII KPSS [PROBLEMS IN THE HISTORY  
 OF THE CPSU]. Organ of Institut marksizma-leniniz-  
 ma pri TsK KPSS [Institute of Marxism-Leninism,  
 Attached to the Central Committee of the CPSU].  
 Moscow, vol. 9, no. 7, July 1965.  
 Table of contents translated:  
 F. Kagan's letters. p. 3.  
 Ignatovskii, P. A. - Lenin's policy of the intensification  
 of agriculture. p. 11.  
 Kagan, V. K. - Lenin's tactics of the utilization of  
 left blocs and compromises in the struggle for a  
 united revolutionary front. p. 23.

- Titov, A. G. - The struggle of the Communist Party  
 against Trotskyism during the discussion period of  
 1923 and 1924. p. 39.  
 Ioffe, G. Z. - How the bourgeois historiography "bans"  
 V. I. Lenin and the Bolsheviks from the February  
 Revolution. p. 53.  
 Mukhasipov, M. M. - Lenin's tactics of the unity of  
 the working class and the Anglo-Russian Committee.  
 p. 62.  
 Davydov, I. V. - Propaganda of the ideas of friendship  
 among peoples during the period of the battle for  
 the Caucasus. p. 72.  
 G. M. Dimitrov's reports to the Seventh Congress of the  
 Communist International. p. 83.  
 Ziemelis, S. V. - Petr Ivanovich Stuchka, on the 100th  
 anniversary of his birth. p. 89.  
 Sanina, L. I. - Robert Indrikovich Elkie, on the 75th  
 anniversary of his birth. p. 92.  
 Lashenko, K. G., Peregodova, Z. I. - Leonid Borisov-  
 ich Krasin, on the 55th anniversary of his birth.  
 p. 97.  
 Prokova, L. I. - From the history of proletarian  
 solidarity, V. I. Lenin and the Society for Technical  
 Aid to Soviet Russia of the United States and  
 Canada. p. 102.  
 Reiman, P. - At the Sixth Congress of the Communist  
 International. p. 106.  
 Nikolaeva, V. P. - A review of documents of the Infor-  
 mation Section of the Central Committee of the Rus-  
 sian Communist Party (Bolshevik). p. 116.  
 Astapenko, V. A. - Documents of the Registering and  
 Distribution Section of the Central Committee of the  
 Russian Communist Party (Bolshevik), April  
 1919-March 1924. p. 123.  
 Documents and articles on the history of the CPSU and  
 the international communist and labor movement  
 published in journals, studies, collections and  
 transactions in May 1965. p. 144.  
 Zastavenko, G. F. - Spiritual heritage of the Resist-  
 ance Movement. p. 150.  
 Ostrovskii, V. B. - A conference in V. I. Lenin's  
 birthplace. p. 152.  
 In memory of Mamed Sal'manovich Iskenderov, an  
 obituary. p. 158.

## 7. LAW

LATVIAN S.S.R. *Augstaka Padome*. *Zinotajs [Supreme  
 Soviet, Gazette]*. Moscow, vol. 23, no. 19(2108),  
 May 1965.

MOSCOW UNIVERSITY. *Vestnik*, Series 10: *Pravo  
 [UNIVERSITY. Review, Series 10: Law]*, Vol. 20,  
 no. 1, Jan.-Mar. 1965.

- Table of contents translated.  
 Denisov, A. I. - The period of the transformation of  
 the state of the dictatorship of the proletariat  
 into an all-people state. p. 3.  
 Farukshin, M. Kh. - Free will and legal responsibility.  
 p. 12.  
 Vartyshev, V. I. - Ordinances of the executive com-  
 mittees of the district soviets of workers' deputies.  
 p. 21.  
 Konfakhin, L. G. - Dismissal of chauffeurs deprived  
 of the right to drive. p. 28.  
 Spiridonov, B. M. - Distinctive characteristics of  
 criminal proceedings in juvenile cases. p. 33.  
 Zhukov, I. U. M. - Special characteristics of the  
 conclusion of an expert witness under Soviet civil  
 procedure. p. 43.  
 Nersisants, V. S. - Marx's criticism of the Hegelian  
 philosophy of law, period of K. Marx's transition  
 to materialism and communism. p. 49.  
 Erakshin, V. V. - Certain problems of responsibility  
 for overt theft under Soviet criminal law. p. 59.  
 Kuris, P. M. - International guarantees of the status  
 of a free city. p. 68.  
 Filimonov, B. A. - The Procuracy of the German  
 Democratic Republic. p. 76.  
 Bulatov, G. G. - "Legal problems of nature protection  
 in the U.S.S.R." p. 80.  
 Olteanu, O. - J. P. Pierrard's "Civil liability, atomic  
 energy and comparative law." p. 82.  
 Professor K. A. Sofronenko's anniversary; her 60th  
 birthday. p. 85.

RUSSIA (1917- R.S.F.S.R.) *Verkhovnyi Sovet. Vedo-  
 mosti [Supreme Soviet, Gazette]*. Moscow, vol. 9,  
 no. 25(351), June 1965.

RUSSIA (1923- U.S.S.R.) *Verkhovnyi Sovet. Vedo-  
 mosti [Supreme Soviet, Gazette]*. Moscow, vol. 28,  
 nos. 22(1285), 26(1290), 28(1271)-29(1272), June-  
 July 1965.

SOTSIALISTICHESKAI ZAKONNOST' [SOCIALIST LE-  
 GALITY]. Organ of Prokuratura SSSR and Verkhov-  
 nyi Sud SSSR [Office of the Public Prosecutor of the  
 U.S.S.R. and the Supreme Court of the U.S.S.R.].  
 Moscow, vol. 42, no. 2(1111), Feb. 1965.  
 Table of contents translated:  
 In the Procuracy of the U.S.S.R. p. 2.

Prosecutorial supervision of law observance in places  
 of confinement should be on the level of the present  
 day tasks. p. 3.

- Shardyko, S. - Legality and quality of court work.  
 p. 10.  
 Prokhorov, V. - Supervision practice over law  
 enforcement in industry. p. 14.  
 Pantugin, V., Khodavchenko, A. - Application of  
 confiscation law to property which has been used  
 to produce unearned income. p. 18.  
 The truth at the stage of the preliminary investigation  
 and during court proceedings. p. 23.  
 Ordinary Plenum of the Supreme Court of the U.S.S.R.  
 p. 25.  
 Wasilkowski, Jan., Mazur, Marjan, Renk, Zbigniew -  
 The Supreme Court of People's Poland. p. 27.  
 Birkin, M. - Remove the shortcomings in the checking  
 and dismissal of civil suits. p. 31.  
 Prevention of stealing is an important obligation of an  
 investigator. p. 33.  
 Mironov, A. - Use of synthetic rubber in criminal  
 investigation. p. 36.  
 Boltnev, V., Lavrov, I. U. - Identification of a person  
 on the basis of marks left on the site of the  
 criminal act. p. 38.  
 Larin, A. - Let's radically change the training  
 of investigators. p. 41.  
 Roshchin, A. - Organizational issues of criminal  
 investigation by groups of investigators. p. 43.  
 Borodankov, A. - Improvement of the criminal  
 procedure law. p. 45.  
 Krekhin, B., and others. - The public in the struggle  
 against lawbreaking. p. 48.  
 Emtsev, G., Totolot, N. - A television series "Man  
 and law." p. 52.  
 Unoshev, V., Kiseleva, A. - Organization of prose-  
 cutorial supervision in civil matters. p. 54.  
 Roshkov, A. - How does the People's Court for the  
 Lenin District of Dnepropetrovsk organize its  
 work. p. 57.  
 Mozenzon, I. A., Svet, G. - Enthusiasm. p. 64.  
 Solodchenko, S. - Thus was the truth established.  
 p. 68.  
 Current problems of the struggle against juvenile  
 delinquency in socialist society; a symposium in  
 Berlin. p. 71.  
 Butitskii, A. - Secrets of the "murder empire."  
 p. 75.  
 In the Collegium of the Procuracy of the U.S.S.R.  
 p. 78.  
 In the Procuracies and Supreme Courts of the Union  
 Republics. p. 70.  
 Skripko, V. - Problems of organizing housing  
 construction cooperatives and operating cooperative  
 apartment houses. p. 80.  
 In the law institutes. p. 84.  
 S. I. Shliko. p. 85.  
 New enactments. p. 86.  
 Practices of prosecutorial supervision. p. 88.  
 Ovchinnikova, E., Lukinov, P. - The use in court  
 proceedings of facts produced by criminal investi-  
 gation. p. 92.

Vol. 42, no. 3(1112), Mar. 1965.

- Table of contents translated:  
 Rudenko, R. - Hitlerite executioners must not escape  
 their punishment. p. 2.  
 Tikhomirov, I. U., Stokanov, I. - Soviets and legality.  
 p. 9.  
 Anashkin, G. - People's assessors. p. 14.  
 Improve the control and audit of implementation in the  
 organs of prosecution. p. 18.  
 Pankratov, I. - Strengthening of creative contacts by  
 both sides, scholars and practitioners, in an  
 important task of lawyers. p. 23.  
 Shagurin, B. - Timely placing in jobs of persons  
 returning from penal custody is one of the condi-  
 tions for preventing recidivism. p. 31.  
 Mikhelev, A. - Employee on travel duty; its concept.  
 p. 32.  
 Mironova, E. - Elevate the role and responsibility of  
 zonal prosecutors. p. 35.  
 Sarkisova, E., Shikunov, V. - Prevention of stealing  
 in the dairy industry. p. 38.  
 Khlebnikova, R. - The prosecutor as a party in civil  
 proceedings. p. 40.  
 Korshik, M., Stepichev, S. - Scope and methods of  
 analyzing the personality of the accused. p. 42.  
 Sorokin, V. - New methods of copying human tracks.  
 p. 46.  
 Problem of the strengthening of legality in automobile  
 transportation. p. 48.  
 Mukhildinov, N. - Strengthen legality in the economic  
 operations of interfarm organizations. p. 53.  
 Gelfer, M. - The suspended sentence in the law of  
 the European socialist countries. p. 55.  
 Changuli, G. - Lack of proof of the participation of  
 the defendant in a criminal act as procedural ground  
 for dropping the criminal case at the stage of  
 preliminary investigation. p. 56.  
 Maslov, I. U. - The public in the service of a noble  
 cause. p. 60.

Markova, M. - Material liability of a patrol guard provided by an outside agency p. 63.  
 Temushkin, O., Pozhar'skaia, P., Jakobson, V. - Improve the prosecutorial supervision of the legality of court rulings on the appellate level. p. 66.  
 Alekseeva, N. - An important facility to liquidate the problem of unsupervised children p. 68.  
 Bokhonnii, G. - Improve the work of the administrative committees p. 70.  
 Khalmenov, K. - Preparation of personnel trained in law. p. 71.  
 Demchenko, N., Dintlov, I. - Forms of cooperation of law schools and scholarly establishments with practicing lawyers. p. 71.  
 Sojourn in the U.S.S.R. of the delegation of the Supreme Court of the German Democratic Republic. p. 73.  
 Alekandrov, A. - The President of the Supreme Court of the Republic. p. 74.  
 New enactments. p. 79.  
 Panova, E. - Legal issues in the wage system of the state farms. p. 80.  
 Practice of prosecutorial supervision. p. 84.  
 In the Collegium of the Procuracy of the U.S.S.R. p. 88.  
 In the Supreme Court of the U.S.S.R. p. 89.  
 In the Supreme Courts and Procuracies of the Union Republics. p. 90.

#### Vol. 42, no. 6(1115), June 1965

Table of contents translated:  
 For the intensification of the struggle against criminality and for the further strengthening of legal order p. 2.  
 Ordinary Plenum of the Supreme Court of the U.S.S.R. p. 7.  
 Likas, A. - Councils of people's assessors in the Lithuanian S.S.R. p. 10.  
 Sakharov, A. - Mental characteristics typical for the age group of juvenile delinquents. p. 13.  
 Sverdlov, G. - Notes on parent law. p. 17.  
 Vatman, D., Mat'ginova, A. - Exchange of living space under the new civil law. p. 23.  
 Vat'man, G. - Responsibility for speculation. p. 28.  
 Belakin, N. - For further strengthening of legality in the operation of the settlement-type colonies for corrective labor. p. 31.  
 Nankishvili, M. - Position of defense counsel in criminal proceedings. p. 35.  
 Remnev, V., Maslov, N. - Supervision of an action required by law as the follow-up of criminal information. p. 37.  
 Vuchadze, I. - Intensify the struggle against juvenile delinquency. p. 39.  
 Korotkov, A. - Improve the conditions for the execution of court decisions. p. 39.  
 Eliseikin, P., Beloglasov, A. - Notariate and the prevention of law violations. p. 40.  
 Konlakhin, A. - Recovery of damages caused by injuries to health in railway transportation. p. 42.  
 Rovinski, M. - Securing the integrity of socialist property in the delivery of goods. p. 44.  
 Gnetov, A. - Procuratorial supervision of the legality of the acts of administrative committees. p. 46.  
 Chikui, V. - People's judge. p. 48.  
 Mansev, I. - Let us do away with the inadequate application of the institution of conviction annulment before the end of the term. p. 52.  
 Iasinski, G. - Procuratorial supervision of law observance in the instituting of criminal cases. p. 53.  
 Lukinov, P. - Raise the instructive role of the assize sessions of courts. p. 56.  
 In memory of N.V. Krylenko. p. 59.  
 Mel'monov, V. - Workshop on problems of procuratorial supervision. p. 59.  
 Yalurov, I. - The public is a great force. p. 60.  
 Bobrov, A. - We are preventing unlawful dismissals. p. 61.  
 Fedoseev, A., Abo, N. - Practice in supervising law observance in transportation. p. 62.  
 Consultation. p. 65.  
 In the Collegium of the Procuracy of the U.S.S.R. p. 70.  
 Conference on statistics. p. 70.  
 In the procuracies of the Union Republics. p. 72.  
 In the supreme courts of the Union Republics. p. 75.  
 New enactments. p. 77.  
 Practice in prosecutorial supervision. p. 78.  
 State arbitration practice. p. 81.  
 Bulgarian lawyers in the U.S.S.R. p. 89.

#### SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo Iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R.S.F.S.R.]. Moscow, vol. 20, no. 8, Apr. 1965.

Table of contents translated:  
 V.I. Lenin on the fight against crime. p. 1.  
 In the national interest. p. 4.  
 Dement'ov, V. - From the practice of public accusation and public defense. p. 6.

Postnikov, M., Solivanov, A. - Improve the administration of comrades courts. p. 8.  
 Bykhovskii, I., Filatov, D. - Is the reopening of an investigation necessary if there was a merger for separation of cases ordered by the court? p. 10.  
 Rakhmalevich, I. - Enforced exchange and litigations concerning the exchange of jointly used living space. p. 12.  
 Pleshev, A., Kazakevich, I. - Legal service in wholesale organizations of consumers cooperatives. p. 14.  
 Glinsburg, L. - Part-time workday. p. 15.  
 Rakhunov, R. - Disclosure in trial proceedings of circumstances conducive to the commission of a crime. p. 16.  
 Ivanov, O. - Trial evidence under civil procedure. p. 18.  
 Stepanov, V., Shimanovskii, V. - Exchange of opinions. Is necessary. p. 21.  
 Practice in the opening of a criminal file to the defendant and defense counsel under the procedure required by Sec 201 of the Criminal Procedure Code of the R.S.F.S.R.; results of a discussion. p. 22.  
 Shibalov, V. - Archival operations in a people's court. p. 23.  
 Shchukin, A. - Change the procedure in damage compensation. p. 25.  
 Kurnov, B. - One of the laws of the "free" world. p. 27.  
 Arbitration practice. p. 31.  
 Blekh, A. - A court battle. p. 32.

#### Vol. 20, no. 9, May 1965.

Table of contents translated:  
 Great holiday of the peoples. p. 1.  
 Chistiakov, N. - Military tribunals during the Great Patriotic War. p. 3.  
 Heroes in our ranks. p. 5.  
 Decree of the Presidium of the Supreme Soviet of the R.S.F.S.R. amending the Law on state pensions p. 8.  
 Makarov, M. - Improve the forms of assistance and control. p. 9.  
 Filaster, M. - Unify the labor law concerning the disabled. p. 10.  
 There should be no complaints against the work of the courts. p. 14.  
 Gnetov, A. - Implementation of the decisions of the organs of state administration re imposition of fines. p. 16.  
 Gushchik, I. - For a correct application of the law on pensions and benefits to collective farm members. p. 18.  
 Galin, G. - Responsibility for stealing socialist property. If the act is of a minor nature and of moderate scope. p. 20.  
 Taranenko, V. - Jurisdiction in civil litigations. p. 22.  
 Klimov, V. - Important ways of preventing juvenile crime. p. 24.  
 Daidredzheva, I.A. - War gave birth to these destinies. p. 27.  
 Dagel', P., Samatliuk, I. - P.A. Dubovets' "Responsibility for bodily injury under Soviet criminal law." p. 28.  
 Our replies to questions. p. 31.  
 Maslov, I. - Janus of Irkutsk. p. 32.

#### Vol. 20, no. 11, June 1965.

Table of contents translated:  
 Constantly study, generalize and disseminate advanced experience. p. 1.  
 Kukarskii, I. - Make greater and more active use of the potential existing in advocates to control law violations. p. 3.  
 Kuznetsov, A. - Qualification of being a party in crime. p. 6.  
 Vorob'ev, G. - Content and form of a sentence. p. 8.  
 Kharchikov, P. - A needed and useful seminar. p. 11.  
 Put cybernetics in the service of law. p. 12.  
 Zaslavskaya, L., Panasiuk, A. - It is time to revise the decree on the forests owned by collective farms. p. 13.  
 Glazutulin, N., Kul'borisov, F. - Hearings procedures for recovery suits brought by the organs of social insurance need revision. p. 14.  
 Prikhod'ko, K. - Let us deeper study the causes and circumstances which induce the commission of acts of hoodliganism by juveniles. p. 16.  
 Trubnikov, P. - Consequences of the wilful building of a house. p. 17.  
 Kuznetsov, E. - Senior receptionist consultant. p. 19.  
 Goldner, V. - The court trial of A.N. Radishchev. p. 21.  
 Strashin, B. - The judiciary of England. p. 23.  
 Decisions of the Plenum of the Supreme Court of the U.S.S.R. p. 26.  
 Our replies to questions. p. 30.  
 Arbitration practice. p. 31.  
 Dvoretskii, V. - "Please repeat." p. 32.

## 8. EDUCATION

### a GENERAL

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSS [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 26, nos. 5-6, May-June 1965.

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 38, no. 3, Mar. 1965.

Table of contents translated  
 Little children live on collective and state farms... p. 3.  
 "Valor, heroism, and glory..." p. 5.  
 Best wishes for your holiday, women! p. 7.  
 Mamontov, A., and others. - Deputies to the Supreme Soviet of the R.S.F.S.R. relate. p. 5.  
 Ivanova, V. - Kindergarten for every state and collective farm. p. 13.  
 Podorozhnik, V. - Aid of the patrons. p. 15.  
 Papushin, V. - For a close friendship among kindergartens. p. 16.  
 Churakova, V. - They generalize practices. p. 17.  
 Minina, I. - On the right way. p. 18.  
 Smirnov, V. - Pride of a state farm. p. 20.  
 Kogan, L. - Families, kindergartens and communities should train children by a joint effort. p. 21.  
 Kiatosevich, T. - We are expected in villages. p. 23.  
 Kapral'skii, A. - Collective farm and children. p. 25.  
 Voskresenskaya, N. - Let's strive for progress. p. 25.  
 Samurova, N. - On the collective farm "20 years of October." p. 27.  
 Komartsova, M. - Children's training should not be limited to summer only. p. 27.  
 Khokhlova, G. - Cultural center in a village. p. 29.  
 Titarenko, N. - They give it priority. p. 30.  
 Ivashchenko, V. - Great concern. p. 30.  
 Proskuriakova, A. - In the Amn District. p. 31.  
 Ul'kin, P. - For children. p. 32.  
 Mezhvalov, I. - New in the life of a state farm. p. 32.  
 Mikhailova, L. - This gives pleasure. p. 33.  
 Sergienko, G. - For the children of collective farmers. p. 35.  
 Ponomarev, N. - In a kindergarten. p. 35.  
 Pankin, I. - In the state farm "Lavokumskii." p. 35.  
 Gaivoronskii, A. - Happy childhood for everyone. p. 37.  
 Kalanova, L. - "It is nice in our garden!" p. 38.  
 Mikhchenko, E. - Where do our fathers and mothers work? p. 40.  
 Korzhukhova, A., Klibeva, V. - Our nature and the work of those around us. p. 42.  
 Liagushina, L. - Love of nature. p. 45.  
 Baskalova, T. - Nature in children's drawings. p. 47.  
 Ol'neva, I., Vikhiantseva, R. - Let's teach them to observe. p. 48.  
 Men'shikova, P. - Let's landscape our school gardens! p. 52.  
 Shul'kina, E. - For a collective farm. p. 54.  
 Gan'kova, Z. - Development of thinking. p. 55.  
 Spirova, A. - Two childhoods. p. 57.  
 Makarova, I., German, A.I. - Daughter and mother relate. p. 61.  
 Brodskaya, L., and others. - Observations, remarks, rejoinders.... p. 63.  
 Karyashev, T. - People of the future are trained today. p. 66.  
 Russkova, L. - We reply to music instructors. p. 69.  
 Bykov, B. - Valuable food item. p. 69.  
 Karbovskaya, V. - It is not difficult to become prettier! p. 72.  
 Okunev, I. - Stolen happiness. p. 75.  
 Bulgakov, V. - They are at our side. p. 81.  
 Koriakin, I. - Kindergarten on the Lenin Collective Farm. p. 84.  
 Volus'ko, V. - Toys are your tools, teachers! p. 87.  
 Natapova, R. - L. Kvitko's verse for children and for adults. p. 88.  
 Barmas, S. - Poet Maksim Kravchuk. p. 102.  
 Neduva, E. - Large gift. p. 106.  
 Ragimov, F., Zhukova, V. - Parents on books. p. 110.

#### Vol. 38, no. 4, Apr. 1965

Table of contents translated:  
 Pavlova, A. - Children listen to stories about Lenin... p. 5.  
 Titova, N., Kiseleva, E. - Training based on revolutionary traditions. p. 8.  
 Nemchenok, I. - First steps. p. 9.  
 Vorob'eva, E. - Methods of teaching. p. 12.  
 Mitotskai, E. - Children get acquainted with colors. p. 16.  
 Gennings, E. - Nature corner and the four-year old children. p. 18.



- Lupanova, G. - Interesting recreation p. 21  
 Seleznev, K. - Karl Marx and education of children p. 22  
 Bolarskaya, N. - Children's play. p. 28.  
 Morozov, D. - Let's see the dynamics of childhood p. 32  
 Liande, T. - My younger brother's street p. 35  
 Kudravitseva, Z. - I dreamed to become a captain p. 37  
 Skudina, M. - Two Volodia's p. 39  
 Volodinaeva, M. - Iron thread p. 41  
 Kanaeva, K. - That they forget their hats in the forest p. 43.  
 Russkova, L. - Salaries of the workers of preschool institutions. p. 46.  
 Komarova, T. - Sheet or an album? p. 47  
 Aleksandrova, L. - Spasmophilia p. 48  
 Dybovskaya, G. - Don't forget, that p. 50  
 Pushkina, A. - Logopedists and teachers should work together p. 52  
 Fainberg, S. - From the office of a psychoneurologist. p. 53  
 Okunev, I. - What is Easter after all? p. 56  
 Mikhailov, N. - Across our homeland p. 60.  
 Vasina, A. - Useful and timely. p. 66  
 Kuz'mina, E. - We are also responsible. p. 67  
 Teturev, V., Kiykov, A. - Stories about nature p. 69  
 Lapshina, V. - Experienced teacher and active public worker p. 76  
 Shalakhin, V. - Parents are grateful to her p. 78  
 Denisova, M. - Supervisor of a preschool institution p. 79  
 Koshechev, I. - We take care of our children p. 80  
 Romanova, T. - Contribution of a town to villages p. 81.  
 Shabaikina, A. - Do the same thing. p. 82.  
 Lekontseva, M. - It is better from year to year p. 83.  
 Tikhonov, V. - What preschool institutions are needed. p. 83  
 Korotkiy, I. - Children's house. p. 84  
 Solov'eva, A. - Visible traits of the future p. 85  
 Rukoseva, A. - Let's be more energetic in building p. 87.  
 Titarenko, N. - Twenty-fifth anniversary of a normal school for preschool education p. 89.  
 Gavrilova, L. - Instructive talk. p. 90  
 Yakova-Khrisova, N. - I would like to share my practices. p. 92  
 Aron, K. - For children about Lenin p. 103  
 Flinshteyn, R. - Internationalism as the mind and heart of Gianni Rodari p. 110  
 Bliznenkova, V. - Be careful with childhood p. 112  
 Lifshits, B. - Only with a thorough knowledge of their work... p. 115.  
 Burdzhelian, L. - Training of children's emotions p. 117  
 Futerman, Z. - Children master a foreign language p. 120  
 Perepelkina, L. - New filmstrips p. 123  
 Binder, R. - Moral education, bibliography. p. 124.

## Vol. 38, no. 5, May 1965.

- Table of contents translated  
 Twentieth anniversary of our victory p. 3.  
 Ezikeeva, V. - Useful initiative. p. 5.  
 Veltugina, N. - Theory and practice of the artistic creativity of children. p. 6  
 Sakulina, N. - National art and children's creativity. p. 11.  
 Perepelkina, L., Russkova, L., Pavlidis, K. - Preparation for the school p. 11.  
 Gennings, E. - Nature corner in senior groups. p. 17.  
 Solov'eva, P. - House plants. p. 20.  
 Polishchuk, V. - Homemade toys p. 21.  
 Pantina, N. - Problem of the classification of games. p. 23  
 Ivanova, N. - Outlining the subject of children's play. p. 28.  
 Khukhlaeva, D. - Children should have excellent health. p. 34.  
 Mal'tseva, M. - The man who stands on armour p. 42.  
 Klein, A. - In search of a "golden key." p. 47.  
 Vedrasheko, V. - Wonderful food. p. 50  
 Pakhomova, Z. - Nursery school and kindergarten teachers. p. 52  
 Nikolaev, A. - Lenin's words p. 53.  
 Buzakova, V. - Let's vary the ways of pedagogical propaganda. p. 56  
 Zhukko, M. - Parents must possess this knowledge p. 57.  
 Mikhailov, N. - Across our homeland. p. 58  
 Gerasimov, V. - Elks, the forest giants. p. 62.  
 Volus'ko, V. - "Nataška" p. 65.  
 Kharchenko, N. - Garden miniatures. p. 66.  
 Shlykova, G. - Inspired search. p. 68.  
 Kardasova, V. - I want to be like her. p. 72.  
 Pimenova, D. - Isn't this a stagnation? p. 73.  
 Shulmina, V. - Here they take care of little tots p. 76.  
 Betnakaeva, E. - Let's learn from the best p. 78  
 Fedorenko, L. - They imitated what was useful p. 81.

- Kul'kina, E., Danilova, V. - It is to our common benefit p. 82  
 Shalakhin, Z. - Every village should have a children's institution p. 82  
 Zil'bershtein, F. - And how is it with you? p. 85  
 Mel'nikova, Z. - Preschool education in Uzbekistan. p. 87  
 Maksimov, I.U. - Toys of our friends p. 90  
 Radina, E. - "Do you love me, mother?" p. 101  
 Kossakovskaya, E. - Homemade games and visual aids p. 126.

## Vol. 38, no. 6, June 1965.

- Table of contents translated  
 Let's train their emotions and habits. p. 3.  
 Let's give them a happy childhood. p. 6.  
 Kazakova, T. - Drawings of the youngest preschool children. p. 8.  
 Kosenkova, L. - Tots are drawing. p. 11.  
 Ezikeeva, V. - Children's creativity expressed in toys made of natural materials. p. 13.  
 Mirka, A. - Forest finds. p. 15.  
 Aleksandrovskaia, V. - Summer on the Irtysh. p. 18.  
 Evdokimova, N. - Our Veitkaya River. p. 20.  
 Chistiakova, S. - Sreanis. p. 22.  
 Avoiikhina, G. - Teaching of grammatically correct speech. p. 24.  
 Venger, L. - What children's abilities depend on. p. 28.  
 Gutorovich, Aleksandr - Voyage into Malakovskii's youth. p. 32.  
 Rozhdestvenskaya, A. - Learn to know your child as early as possible. p. 38.  
 Observations, notes and responses. p. 41.  
 Iova, E. - Training by music. p. 44.  
 Krupnik, Zhanna. - Mine of colors. p. 46.  
 Vedrasheko, V. - Children must have vegetables. p. 52.  
 Aleksandrova, L. - Summer diseases. p. 54.  
 Kusrugasheva, E. - Beautiful transports of the soul. p. 61.  
 Fainberg, S. - From the office of a psychoneurologist. p. 63.  
 Kochergov, L. - How we do callisthenics. p. 65.  
 Sosnovskii, I. - Blue express. p. 67.  
 Tret'yakova, A. - Our fostering. p. 72.  
 Zakharova, V. - Friends of a kindergarten. p. 73.  
 Brodskaya, L. - Half a century with children. p. 74.  
 Minina, I. - Reviews are useful. p. 78.  
 Khammatova, N. - In the rural kindergartens of Tataria. p. 79.  
 Srigina, L. - Let's train their sense of beauty. p. 81.  
 Butenko, I. G. - Children are the main thing. p. 83.  
 Dubrovskii, N. - With us in Duzhnosel'ye. p. 84.  
 Korotkova, S. - By the efforts of the group of activists. p. 84.  
 Sonina, R. - Preschool education organization in Nizhny Novgorod Government. p. 86.  
 Askina, E. - Toy and a trademark. p. 89.  
 Korotkaya, K. - Developing the abilities to study. p. 91.  
 Mitina, A. - Nutrition and training. p. 101.  
 Big literature for the little ones. p. 105.

## KAZAKHSTAN MEKTEBI [KAZAKHISTAN SCHOOLS].

Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol. 40, nos. 5-6, May-June 1965. [In Kazakh]

## KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.], Moscow, vol. 26, no. 6, June 1965.

## LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI: PEDAGOGIKA IR PSICHOLOGIJA. Nauchnye trudy vysshihkh uchebnykh zavedenii Litovskoi SSR. Pedagogika i psikhologiya [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.; PEDAGOGY AND PSYCHOLOGY]. Vilnius, vol. 7, 1965.

## NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, vol. 33, no. 4, Apr. 1965.

- Table of contents translated:  
 Lenin is great and unique. p. 3.  
 Goretshii, V. G., Gellerstein, L. S. - Talking about Lenin in classes. p. 7.  
 Pivnev, N. P. - Without repeating students. p. 16.  
 Zakozhurnikova, M. L., Glinskaya, E. L. - Russian language. p. 20.  
 Kolikov, A. - Arithmetic. p. 27.  
 Ermilova, T. V. - Working on the expressiveness of reading. p. 31.  
 Iasakova, L. V. - Independent work p. 35.  
 Ludmilov, D. S. - Let's pay more attention to the mathematical essence of problems. p. 39.  
 Ignat'ev, V. A. - Do you know arithmetic? p. 42.

- Gordin, I. G. - Birth of a detachment p. 4.  
 Teturev, V. A. - Spring observations p. 5.  
 Bykov, B. A. - For school flower garden p. 6.  
 Genov, G. V. - Fables of I. A. Krylov in a children's language p. 60  
 Voevodskaya, L. I. - Efficiency of the Russian lessons p. 67  
 Efimov, I. V. - Working with Junior Pioneers in a small school. p. 70.  
 Liublinskaya, A. A. - Experiment goes on p. 71.  
 Plekhanov, A. V., Iatsuta, N. V. - Development of the cognitive abilities of the firstgraders p. 72.  
 Kazantsev, N. A. - For and against the music p. 73.  
 L. V. Zankov. p. 79  
 Batsan, V. E. - Compiling the pedagogical statistics. p. 81  
 Kostromina, N. V., Novikova, M. V. - A Russian of a teacher p. 84  
 Practice of the progressive teachers of Russia since in overcoming the repetition of a year p. 85  
 Sur'lanova, N. - Schools and groups with 1 in the Komi A.S.S.R. p. 95.

## Vol. 33, no. 5, May 1965.

- Table of contents translated  
 Day of great triumph will be glorified through centuries. p. 3.  
 Sazonov, M. P. - Soviet schools during the Patriotic War, 1941-1945. p. 6.  
 Raskin, L. E. - Heroic daily work of Pioneer schools. p. 13.  
 Rumiantseva, G. V., Genkina, I. M. - Let's train them according to the examples of heroes. p. 14  
 Toward the glorious fiftieth anniversary, to the Ministry of Education of the R.S.S.R. p. 20  
 Sergeeva, T. M. - Door into space in space p. 21  
 Litvinov, V. V. - M. A. Sholokhov; on the occasion of his 60th birthday. p. 32.  
 Utkina, N. G. - Differentiated approach to students. p. 39.  
 Kopacheva, Z. V., Krotkova, N. I. - Way to a small-school teacher. p. 43.  
 Kheifetman, M. I. - Secondary school improves elementary two-grade schools. p. 40.  
 Pechenko, A. S., Rozhdestvenskii, N. N. - Struggle for students' complete education in studies. p. 51.  
 Stetskozin, V. P. - Do not "eliminate," but... p. 58.  
 Rumega, M. N. - It is possible to work with... ing students. p. 60.  
 Romanov, G. M. - Training of group teachers. p. 64.  
 Kot', O. S. - Theory of A. S. Makarenko in... p. 64.  
 Karpenko, R. - Where lies the secret of... p. 66.  
 Usova, A. V., Chistova, E. N. - Elementary physics in the 4th grade. p. 66.  
 Kuindzhi, N. N. - Hygiene of writing. p. 77.  
 Rastorguev, I. N. - Recommendation on... study. p. 77.  
 Strunin, V. V. - Summer of the Pioneer. p. 78  
 Miagkova, V. S. - Contribution of the Pioneer Junior Pioneers. p. 84.  
 Shtein, V. M. - Festival of fairy tales in a Pioneer camp. p. 88.  
 Magnitskaya, L., Popov, A. - Organization of the Pioneer camp. p. 88.  
 Gavrilova, L. I. - Songs in a Pioneer camp p. 91  
 Grigor'ov, S. G. - Every elementary school must have Russian baseball p. 95.

## Vol. 33, no. 6, June 1965.

- Table of contents translated:  
 Shvetsova, O. I. - Have you thought about it? p. 4.  
 Okuneva, N. A. - What a teacher should know. p. 5.  
 Belovintseva, N. S., Kompanets, V. B. - How do you sell. p. 46.  
 Bellakov, N. D. - Interesting, useful and necessary. p. 50.  
 Maksimov, N. A. - Participation of Pioneers in the conservation of nature. p. 56.  
 Zhukov, N. E., Medentsova, L. - Junior Pioneer camp. p. 58.  
 Balbakov, A. N. - Do it yourself! p. 67.  
 Kozlovskii, E. G. - Suitcase of a gentleman. p. 67.  
 Sosnovskii, I. P. - Fishes. p. 74.  
 Skladnina, N. G. - Homemade visual aids for the Russian language. p. 78.  
 Kartsev, P. S. - Cards for independent work. p. 82.  
 Marinets, I. A. - Automatic multiplication table. p. 82.  
 Gavrik, V. I., Gavrik, M. S. - How to rule a class board. p. 82.  
 Parfent'ev, M. I., Kubyshkin, V. I., Mikhrenko, L. - What is going to be published for elementary school. p. 83.  
 In the Ministry of Education of the R.S.F.S.R. p. 83.  
 Nizova, A. M., Matveeva, A. N. - "Pedagogical letters" of 1965. p. 91.  
 Let's work without repeating students. p. 93.

Nazarova, L. P. - Every camp should have a nature corner, p. 95.

**NARODNAYA ASVETA [PUBLIC EDUCATION].** Organ of Ministerstvo asvety BSSR [Ministry of Education of the White Russian S.S.R.]. Minsk, no. 5, May 1965.

**NARODNOE OBRAZOVANIE [PUBLIC EDUCATION].** Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 6, June 1965.

Table of contents translated  
Let's improve organizational and pedagogical supervision p. 1.

Chernov, G. - Our elementary schools p. 8.

Demidov, N. - How we work with personnel p. 10.

Shutov, V. - Small schools p. 13.

Chochenov, Sh. - Local lore study in the schools of the Kabardino-Balkar A.S.S.R. p. 14.

Dmitriyev, D. - Compulsory education in the Far North p. 17.

Katukova, E. - In progressive schools p. 19.

Klavattsev, M. - They need help p. 24.

Through the eyes of our children p. 26.

Kiseleva, O. and others - Teacher in my life p. 31.

Krechetova, E. - Purins, dynasty of teachers p. 40.

Kosniak, A. - Maybe this is the way to solve the problem? p. 46.

Morozov, D. - Teacher, students and parents p. 48.

Gusev, A. - This is useful p. 51.

Korotkiy, E. - We develop abilities and train talents p. 52.

Iushkevich, B. - Camp of urban students in the country p. 60.

Zakharovskiy, I. - In the "Druzhba" camps p. 62.

Alekseyev, A. - Fundamentals of the system of athletic education p. 67.

Stroeva, A. - Good initiative p. 73.

Benks, Z. - Along the roads of glorious victories p. 74.

Tuylikov, M. - Useful summer p. 77.

Usulov, R. - With the Pioneers of Daghestan p. 81.

Zenenko, V. - "Sputnik" society has opened p. 83.

Shevchuk, S. - Experimentation in urban schools p. 84.

Mozhegov, V. - Creative work in a school garden p. 86.

Naumkin, K. - Forms and methods of teaching older students p. 88.

Rikel', A. - Urgent problem p. 91.

Kel'man, A. - Problems and requirements of pedagogics p. 92.

Goldin, A. - Leningrad will live forever p. 94.

Kirillov, M. - Children's Protection Day p. 96.

Zimin, P. - International cooperation in the field of education according to the UNESCO program p. 97.

Mikhaelidze, G. - India in the struggle against illiteracy p. 102.

Deminov, A. - Conference on the problem of repeating students in primary grades p. 122.

Skytsev, I. U. - Seminars on atheistic education p. 124.

Let's supply the schools with teaching equipment p. 126.

Noteworthy dates July p. 127.

No. 7, July 1965.

Table of contents translated

Before the beginning of the Big lesson p. 1.

Strezhkov, V. - Some problems of the further improvement of the educational process p. 8.

Dobromyslov, V. - Ways to overcome the students' failure in the Russian language p. 16.

Gedvilas, M. - In the 25 years of Soviet life p. 22.

Makmutov, M. - Reorganizing the methods of supervision p. 24.

Sysoev, I. - Teachers and volunteer workers p. 27.

Trenin, I. - Let's make wide use of our experience p. 30.

Chernomaz, A. - Teacher and a book on education p. 32.

Kharin, P. - Let's train them for the work with Pioneers p. 34.

Raskina, D. - Inventiveness and initiative p. 36.

Voskresenskaya, A. - Preparatory grade p. 38.

Gridnev, A. - Some methods of the struggle against repeating students p. 42.

Tonkonogil, I., Abramkin, S. - In the social science classes of evening schools p. 43.

Eronkin, A. - Seminars as the means of subject interrelation p. 45.

Enikeev, M. - Decisive prerequisite of successful teaching p. 46.

Skibinskaya, G. - Pedagogical metamorphoses p. 49.

Kuslov, I. U. - Reports as tests of independence p. 50.

Panov, G. - Radio in a school p. 52.

Kovord, I. - The motion-picture screen as our friend and assistant p. 55.

Suvorov, M. - Visual aids created by the efforts of individual schools p. 57.

Dolina, N. - The house I live in p. 59.

Shirvindi, B., Koval', M., Trubacheva, M. - Pedagogical diary of a Pioneer detachment p. 63.

Nerzhinskiy, N. - Let's pay attention to the details p. 72.

Usipov, A. - Thirty passes to life p. 76.

Bellaev, V. - Most important topic p. 78.

Goncharova, N. - Motion pictures should be discussed p. 80.

Vorob'eva, V. - What was shown by the survey of libraries p. 81.

Igov, A. - Our village school p. 84.

Golovinskiy, V. - Pedagogical activities of K. E. Tsiolkovskiy p. 86.

Lidina, I. - Writer and educator p. 90.

Koifman, F. - Law on the unified socialist system of education in the German Democratic Republic p. 93.

Bobrovskiy, A. - Public education in Gambia p. 97.

Borisoglebskiy, L. - Parades of present-day America p. 98.

Auerbach, T. - To please the militarists p. 100.

Volodina, S. - In the schools with tuition in a foreign language p. 101.

Read it in the periodicals p. 116.

In the Ministry of Education of the R.S.F.S.R. p. 119.

Kumalov, V., Poyotki, E. - Machines as teacher's help p. 122.

Noteworthy dates p. 127.

Skatkin, M. - Study, generalization and incultation of progressive pedagogical practices p. 128.

**NOUKOGUDE KOOL [SOVIET SCHOOL]** Issued by Eesti Nookogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.]. Tallinn, nos. 6-7, June-July 1965 [in Estonian]

**SEM'IA I SHKOLA [FAMILY AND SCHOOL]** Issued by Akademika pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 20, no. 4, Apr. 1965.

Table of contents translated

Petrov, F. - Our little p. 1.

They opened the door into space p. 2.

...He has the right to be called the "children's friend." p. 3.

Cherniak, M. - It's like talks to children and about children p. 5.

Frolov, I., Antonov, S. - Our visitors "For the dynamic tempo." p. 8.

Lozachev-Elizarov, G. - Unforgettable p. 10.

Blinkov, I. - Pages of life p. 12.

Rybakov, V. - Through the eyes of an explorer or with a glance of an idler? p. 16, 20.

He stood at the source p. 17.

Rachinskiy, S. - Cold p. 21.

Rives, R. - Elizaveta Fedorovna p. 22.

Gukhovskiy, S. - One must believe p. 24.

Nusenbaum, A. - Is every grade important? p. 26.

Morgunova, V. - Who should teach children? p. 27.

Eveev, I. U. - Let the friendship among the "21st" get closer p. 28.

Bulgakov, V. - Grown-ups and the little ones p. 32.

Petrovskiy, Miron. - What does science fiction teach us? p. 33.

Gazarin, S., Sivokon, S. - Ten days of pleasure p. 41.

Ponok, E. - Dangerous toys p. 43.

Shur, I. A. - Wonderful guide p. 44.

Zinger, R. - On a bicycle p. 46.

Kots, R. - Screen script, ideas, and topics p. 47.

**SKOLA UN GIMENE [SCHOOL AND FAMILY]** Issued by LPSR izglitiba ministrija [Ministry of Education of the Latvian S.S.R.]. Riga, no. 6(18), June 1965. [in Latvian]

**SOVET MAKTABI [SOVIET SCHOOL]** Organ of Ministerstvo prosveshcheniya Uzbekskoy SSR [Ministry of Education of the Uzbek S.S.R.]. Tashkent, no. 5, May 1965. [in Uzbek]

**SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]** Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 12, no. 2, Feb. 1965.

Table of contents translated

Soviet woman as a leading partisan of specialist training p. 1.

Brukhovets, D. F. - For the further development of specialized secondary education by correspondence in the R.S.F.S.R. p. 5.

Aleksandrov, N. G. - What specialists should be trained in agricultural technical schools p. 11.

Zhorov, S. D., Moroz, L. I. - Demonstration experiments with the use of the present-day technical equipment p. 14.

Rassokhin, V. V. - New electric aids p. 17.

Pegov, A. F. - Determining the coefficient of the refraction of liquids p. 20.

Malushkin, A. M., Korolev, V. A., Prikhod'ko, V. I. - Some characteristics of the reverse connection in programmed instruction p. 21.

Demidovich, I. P. - Let's give all possible aid to correspondence education p. 26.

Parakhina, A. V. - Foreign language programs for correspondence and night students p. 28.

Stotskiy, I. - Methodological instructions should help correspondence students p. 29.

Khotimskiy, R. I. - Let's train good technical workers in a shorter time p. 32.

Sidorov, K. F. - Incultation of practical skills should be at the center of our attention p. 35.

Bogushas, V. - Joint training and work p. 37.

Naumov, D. V. - Work in the technical school workshops p. 38.

Vainbrand, A. M. - Practical training of polygraphers p. 40.

Chepurinov, N. I. - Aesthetic training in chemistry classes p. 42.

Maslov, A. - Our community councils p. 44.

Abarinov, V. - Our motion-picture library p. 46.

Urinson, I. A. E. - "Technology of mechanical engineering" by A. P. Tikhonov, M. A. Zaslavskiy p. 47.

Kaganovich, D. I. - Operating model of the main movement mechanism of a semiautomatic gear-shaping machine p. 49.

Zalats, I. M., Nosovskiy, T. A. - Shelves and cupboard for visual aids p. 52.

Buchin, V. S. - Reducing gear made by students p. 53.

Klichanovskiy, V. - Born in 1944 p. 54.

Vol. 12, no. 3, Mar. 1965.

Table of contents translated

Gurevich, A. M., Zapotov, I. N. - Linear programming in a mathematics course p. 1.

Erdiev, P. M. - Method of contrasts in the teaching of mathematics p. 3.

Vasilenko, V. I. - Deriving the formula of a lens p. 7.

Koveshnikov, V. T. - Role of a motion-picture screen in the teaching of mathematics p. 8.

Nakhimov, L. M. - Creating programmed aids for higher mathematics p. 9, 17.

Petrov, L. I. - General programmed testing p. 12.

Shifrin, I. A. - Graduate projects in the Morshansk School of Construction Engineering p. 18.

Mikulinskaya, M. I. A., Geldel'berg, L. I. - Independent work of correspondence students on the punctuation of the Russian language p. 20.

Kamerin, V. A. - Mathematical compositions p. 23.

Koloditskiy, M. S. - Social sciences and the present times p. 25.

Zaitsev, F. F. - Installation for the measurement of a beam sag p. 27.

Leonard, V. P. - Training through a subject p. 30.

Dobrovolskiy, P. G., Skolnikov, V. F., Reznikov, S. M. - Forms of contact with graduates p. 32.

Troshanov, N. A. - Our first experience in organizing the experimental designing work p. 36.

Zabulis, G. K. - Secondary education in France p. 43.

Prokopenko, V. A. - "Running field" p. 48.

Timchenko, I. N., Trubitsyn, I. N. - Apparatus for the testing of Boyle-Mariotte law without the use of quicksilver p. 50.

Shumakher, L. I. - Vyshtly Volochek school of transport conductors p. 51.

Karpenko, B. - Shchuchinsk school of mining engineering and metallurgy p. 53.

Our consultations p. 54.

**VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]** Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 23, no. 6, June 1965.

Table of contents translated

Prokof'ev, M. A. - Let's supply our national economy with a greater number of good chemists p. 3.

Ovsiannikov, O. A. - They should know the system of network planning and administration p. 7.

Rzhevskiy, V. V., Iushchenko, A. A. - Modern mining engineer p. 12.

Gal'perin, P. I. A., Talyzina, N. F. - Direction of the process of the assimilation of knowledge as the basic principle p. 19.

Chub, A. T. - Let's look for variations of the multiple choice method p. 25.

Lisis, N. A., Epshteyn, I. E. - What is then the role of technical equipment? p. 27.

Krasota, V. F. - In the interests of the development of irrigation farming p. 29.

Dentsov, I. U. I., Mal'kov, M. P. - Joys and troubles of industrial training; from the experience of two universities p. 32.

Beresnev, S. D. - For specialization in a foreign language course p. 39.

Zlobinskiy, B. M. - Thoughts on the industrial safety education course p. 42.

Targ, S. M. - Let's not lower the general education level of engineers (on the results of the 1st plenum of the Scientific and Methodological Council on Theoretical Mechanics) p. 47.

1. ... - The subject of the training of postgraduate students is the interests of their research ...

2. ... - ... of a dissertation and ...

3. ... - ... of the Communist Youth ...

4. ... - ... of the Communist Youth ...

5. ... - ... of the Communist Youth ...

6. ... - ... of the Communist Youth ...

7. ... - ... of the Communist Youth ...

8. ... - ... of the Communist Youth ...

9. ... - ... of the Communist Youth ...

10. ... - ... of the Communist Youth ...

11. ... - ... of the Communist Youth ...

12. ... - ... of the Communist Youth ...

13. ... - ... of the Communist Youth ...

14. ... - ... of the Communist Youth ...

15. ... - ... of the Communist Youth ...

16. ... - ... of the Communist Youth ...

17. ... - ... of the Communist Youth ...

18. ... - ... of the Communist Youth ...

19. ... - ... of the Communist Youth ...

20. ... - ... of the Communist Youth ...

21. ... - ... of the Communist Youth ...

22. ... - ... of the Communist Youth ...

23. ... - ... of the Communist Youth ...

24. ... - ... of the Communist Youth ...

25. ... - ... of the Communist Youth ...

26. ... - ... of the Communist Youth ...

27. ... - ... of the Communist Youth ...

28. ... - ... of the Communist Youth ...

29. ... - ... of the Communist Youth ...

30. ... - ... of the Communist Youth ...

31. ... - ... of the Communist Youth ...

32. ... - ... of the Communist Youth ...

33. ... - ... of the Communist Youth ...

34. ... - ... of the Communist Youth ...

35. ... - ... of the Communist Youth ...

36. ... - ... of the Communist Youth ...

37. ... - ... of the Communist Youth ...

38. ... - ... of the Communist Youth ...

39. ... - ... of the Communist Youth ...

40. ... - ... of the Communist Youth ...

41. ... - ... of the Communist Youth ...

42. ... - ... of the Communist Youth ...

43. ... - ... of the Communist Youth ...

44. ... - ... of the Communist Youth ...

45. ... - ... of the Communist Youth ...

46. ... - ... of the Communist Youth ...

47. ... - ... of the Communist Youth ...

48. ... - ... of the Communist Youth ...

49. ... - ... of the Communist Youth ...

50. ... - ... of the Communist Youth ...

51. ... - ... of the Communist Youth ...

52. ... - ... of the Communist Youth ...

53. ... - ... of the Communist Youth ...

54. ... - ... of the Communist Youth ...

55. ... - ... of the Communist Youth ...

56. ... - ... of the Communist Youth ...

57. ... - ... of the Communist Youth ...

58. ... - ... of the Communist Youth ...

59. ... - ... of the Communist Youth ...

60. ... - ... of the Communist Youth ...

61. ... - ... of the Communist Youth ...

62. ... - ... of the Communist Youth ...

63. ... - ... of the Communist Youth ...

64. ... - ... of the Communist Youth ...

65. ... - ... of the Communist Youth ...

66. ... - ... of the Communist Youth ...

67. ... - ... of the Communist Youth ...

68. ... - ... of the Communist Youth ...

69. ... - ... of the Communist Youth ...

70. ... - ... of the Communist Youth ...

71. ... - ... of the Communist Youth ...

72. ... - ... of the Communist Youth ...

73. ... - ... of the Communist Youth ...

74. ... - ... of the Communist Youth ...

75. ... - ... of the Communist Youth ...

76. ... - ... of the Communist Youth ...

77. ... - ... of the Communist Youth ...

78. ... - ... of the Communist Youth ...

79. ... - ... of the Communist Youth ...

80. ... - ... of the Communist Youth ...

81. ... - ... of the Communist Youth ...

82. ... - ... of the Communist Youth ...

83. ... - ... of the Communist Youth ...

84. ... - ... of the Communist Youth ...

85. ... - ... of the Communist Youth ...

86. ... - ... of the Communist Youth ...

87. ... - ... of the Communist Youth ...

88. ... - ... of the Communist Youth ...

89. ... - ... of the Communist Youth ...

90. ... - ... of the Communist Youth ...

91. ... - ... of the Communist Youth ...

92. ... - ... of the Communist Youth ...

93. ... - ... of the Communist Youth ...

94. ... - ... of the Communist Youth ...

95. ... - ... of the Communist Youth ...

96. ... - ... of the Communist Youth ...

97. ... - ... of the Communist Youth ...

98. ... - ... of the Communist Youth ...

99. ... - ... of the Communist Youth ...

100. ... - ... of the Communist Youth ...

## b. PHYSICAL EDUCATION & GAMES

**FIZICHESKAYA KULTURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS].** Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 7, 1965.

**FIZKULTURA I SPORT [PHYSICAL EDUCATION AND SPORTS].** Organ of Tsentral'nyi Sovet Sojuz sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Societies and Organizations of the U.S.S.R.]. Moscow, no. 7(805), July 1965.

**KHAFKULTUR [PHYSICAL CULTURE]** Organ of Eesti Spordiliige ja -organisatsioonide Liit [Union of Sports Associations and Organizations of the Estonian S.S.R.]. Tallinn, vol. 26, nos. 11(524)-12(525), June 1965 [in Estonian].

**LEGIKA ATLETIKA [TRACK AND FIELD ATHLETICS].** Organ of Tsentral'nyi Sovet Sojuz sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 11, nos. 3(118), 6(121), Mar-June 1965.

**SAHS [CHESS].** Issued by Latvijas PSR Sporta biedrību un organizāciju savienība and Sahu federācija [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos. 9(143)-10(144), May 1965 [in Latvian].

**SHAKHMATNYI BULLETEN' [CHESS BULLETIN].** Organ of Shakhmatnaya federatsiya SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 11, no. 6-7, June-July 1965.

**SHAKHMATY [CHESS].** Issued by Sojuz sportivnykh obshchestv i organizatsii i Shakhmatnaya federatsiya Latvusskoi SSR [Union of Sports Societies and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, no. 10(130), May 1965.

**SHAKHMATY V SSSR [CHESS IN THE U.S.S.R.].** Organ of Shakhmatnaya federatsiya SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 42, no. 6, June 1965.

**SPORTIVNAYA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA].** Organ of Vsesoiuzskii sovet Sojuz sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 9, nos. 6-7, 1965.

**SPORTIVNYE IGRY [ATHLETIC GAMES].** Organ of Tsentral'nyi Sovet Sojuz sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 11, no. 4(119), Apr. 1965.

**TEORIYA I PRAKTIKA FIZICHESKOI KULTURY [THEORY AND PRACTICE OF PHYSICAL CULTURE].** Organ of Tsentral'nyi Sovet Sojuz sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 27 [i.e. 28], no. 3, Mar. 1965.

Table of contents translated.  
Active participants of communism, p. 1.

Franklin, A.A. - Bourgeois "Sociology of sports" and its reactionary role, p. 7.

Letanov, S.P., Motylanskaya, R.E. - Interaction of somatic and vegetative functions during work load, p. 12.

Povarnitsyn, A.P. - Psychological characteristics of the will power qualities of racing skiers, p. 19.

Chernukha, L.K. - Planning the training load for women mountain skiers (competitive stage), p. 21.

Savitskiy, I.A. - Studying the tactics of dual contest, p. 25.

Sal'chenko, I.N. - Analyzing the fencers' abilities to ignore negative signals and inhibit wrong movements, p. 28.

Iakhtov, E.R. - Some special characteristics of visual-motor reactions in tall women basketball players, p. 32.

Pauperova, G.P. - Changes in the ability of neuromuscular apparatus and the latent period of motor reactions after standard work, p. 33.

Guseva, I.A. - Studying the connection between speed and precision of thrusts in fencers, p. 36.

Kuznetsov, M.Z. - Blood circulation reactions in the masters of sports during the prestart period, p. 39.

Radlov, A.V. - Two methods of studying the nervous system characteristics in sportsmen, p. 40.

Zolotukhin, A.A. - Effect of the training of the exercises systematically, p. 60.

Nifontova, L.N., Goncharova, G.L. - Effect of callisthenics in industry on the indices of physical development and the cardio-vascular system in calculating-machine operators, p. 63.

Privis, S.L., Popova, K.V. - Health "Spartaklads," p. 66.

Malkin, B.M. - "Health factory" at a plant, p. 69.

Eremenko, N.P. - Athletes' reactions on proportioned stress during the state of high training, p. 72.

Stepkin, A.V. - Physical education and sports in People's Algeria, p. 75.

Bukin, I.U.V. - Physical education and sports in the Great Medical Encyclopedia, p. 78.

Vestibular analyzer in 11- and 12-year-old girls on the development of their motor skills in gymnastics, p. 43.

Karabynov, A.L. - Dependence of the speed of serial blows of master boxers on various training loads, p. 46.

Kudrashov, A.I. - General and selective effect of various swimming exercises and their combinations on the training of swimmers, p. 50.

Lomelko, V.I., Baranov, I.G. - Studying the speed of leg movements, p. 54.

Zhalei, A.A. - Development of muscle strength endurance depending on the regulation of stress intensity, p. 57.

Sorokina, L.F. - Reduction of morbidity and increase of work productivity in women doing physical

Vol. 28, no. 6, June 1965.

Table of contents translated.

For the further improvement of sports, p. 1.

Ukrain, M.L., Rlaurov, I.U.A. - Method of immediate information on the time and space parameters of movements during the technical training of gymnasts, p. 5.

Filin, V.P., Topchilov, V.S., Siris, P.Z. - Effect of muscle strength exercises of a dynamic and static character on young athletes, p. 7.

Lalain, A.A. - Psychological method for determining sports form, p. 10.

Popova, N.K. - Effect of physical exercises on the cholesterol and lecithin content in the blood of the aged, p. 12.

El'manovich, L.P. - X-ray changes in the lung roots of qualified athletes, p. 15.

Radlov, A.P. - Materialistic aesthetics and physical education (to be continued), p. 17.

Petrov, B.A., and others. - Determining the effectiveness of training exercises for developing speed in young swimmers, p. 21.

Kuznetsov, V.P. - "Overcoming of the missile" by throwers during hammer throwing, p. 26.

Akhundov, R.A. - Methods of registering the movements of a cyclist in natural conditions, p. 30.

Eremenko, N.P., Krasnopavlov, G.M., Chuprun, A.K. - Ways to increase the efficiency of young shell and canoe oarsmen, p. 33.

Fanagorskaya, T.P. - Neurological evaluation of speed qualities in shell and canoe oarsmen, p. 35.

Lukashuk, R.I. - Supervision of the training process in multiple event contests, p. 36.

Gromadskii, E.S. - Success of the physical education movement in the Hungarian People's Republic, p. 39.

Shinurpel, G. - Some problems of planning the equipment for physical education and sports, p. 42.

Ageevskiy, V.U. - Mass health improvement work in the industrial plants of Leningrad, p. 45.

Marmor, L.A. - Let's introduce physical education and sports into the daily life of the people, p. 47.

Il'inch, V.I. - Basic requirements of specialized physical preparedness for engineers working in agriculture, p. 49.

Boisov, G.K. - Effectiveness of work time rationalization for railroad dispatchers, p. 51.

Reshetnikov, M.V., and others. - Physical training of geodesists as a part of their professional training, p. 51.

Naumov, B.A. - Programmed instruction in physical education institutions of higher learning, p. 57.

Kolchin, N.T. - Training camp meetings should have well outlined content and organization, p. 60.

Aristov, P.A., Sizov, E.I.A. - With our friends, p. 63.

Gavrilskiy, Vellu St. - Method evaluating the functional possibilities of swimmers, p. 67.

Dykov, K.M. - Messaging shower, p. 69.

Pevzner, V.R. - Determining mistakes by means of motion pictures, p. 69.

Vardlavskiy, I.A., Zandakov, D.N., Levina, L.M. - Device for radio contact between the coach and the athlete exercising at a distance, p. 70.

Dzhordzhadze, A.I. - Technical characteristics of gymnastic mats, p. 73.

Tokarev, M.I. - Prompted by life, p. 75.

Mikhailov, V.V. - Forum of scientists devoted to the special characteristics of muscular activity under conditions of oxygen shortage, p. 77.

## 9. MUSIC, THEATER & MOTION PICTURES

### a. MOTION PICTURES

**ISKUSTVO KINO [CINEMA ART].** Organ of Ministerstvo kul'tury SSSR and Sojuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol. 35, no. 7, 1965.

Table of contents translated

Kulidzhinov, L. - It's all in our power, p. 1.

Saria, V. - Important changes are needed, p. 13.

Turkov, A. - Three springs of Lenin, p. 23.

Os'minin, V. - To a youngster meditating over life, p. 25.

Jerzy Rodzicki. - Panorama of "Friendship," p. 27.

Vartanov, A. - From a concept to a film, p. 29.

Korytnaya, S. - The Ivanovs and their sons, p. 33.

Dolina, V. - According to rules of a "Western," p. 37.

Gromov, E. - Back to the source, p. 40.

Vsevolod Revich. - Duel, p. 43.

Kosava, M. - In support of the motion-picture essay, p. 45.

Popovskiy, Mark. - And yet the battle was not fought..., p. 49.

Vaisfeld, I. - "Life is given only once," p. 51.

Gildor, M. - With two machine guns, p. 53.

Prozorovskiy, N. - Last year of the war, p. 57.

Zhgenti, Soliko. - About an old soldier, p. 59.

Kremlov, German. - How should we write about the war? p. 66.

Rogal', L. - On genres of documentary motion pictures, p. 72.

To friends of our art, p. 86.

Secret of success, p. 89.

Futik, L. - Without make-up, p. 90.

Belinskii, A. - Pushkin evening, p. 95.

Chronicle of television, p. 96.

Barbu, Eugen, and others. - Letters sent to Moscow, p. 99.

Voinov, V. - Anywhere but America, p. 112.

Emanuel, Enrico. - "Dondit" disease, p. 114.

The Gospel according to Hollywood, p. 118.

Gurokhov, Viktor, Slavin, Konstantin, Ustin, Mikhail. - Ships don't die; a screenplay, p. 121.

**KINOMEKHANIK [MOTION-PICTURE OPERATOR].** Issued by Gosudarstvennyi komitet Sovetskoi Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, no. 6, June 1965.

**SOVETSKII EKRAK [THE SOVIET SCREEN].** Organ of Gosudarstvennyi komitet Sovetskoi Ministrov SSSR po kinematografii i Sojuz rabotnikov kinematografii SSSR [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, nos. 11(203)-12(204), 14(206), June-July 1965.

**SOVETSKII FIL'M [SOVIET FILMS].** Issued by Vsesoiuznoe obshchestvo [All-Union Association] "Sovetskii film," Moscow, no. 6(97), June 1965.

**TEKHNIKA KINO I TELEVIZENIYA [MOTION-PICTURE AND TELEVISION ENGINEERING].** Organ of Gosudarstvennyi komitet Sovetskoi Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, vol. 9, no. 3, Mar. 1965.

Table of contents translated;  
Zelikman, V.L., Ustinova, T.N. - Formation of graduation indices in the manufacture of thin-layer motion-picture films, p. 1.

Kashekhlebov, A.G. - The "Mir" motion-picture camera. p.13.  
 Uyshekhin, E.I., Rossovskii, E.L. - Characteristics of electric motors for motion-picture equipment with current supply from transistorized current converters. p.19.  
 Galakhova, N.G., Katsnel'son, N.R. - Central apparatus room of a television station. p.25.  
 Gofaizen, O.V. - Transient characteristics of television camera tubes. p.34.  
 Voronov, R.V. - Design and calculation of Schmidt lenses for television projection. p.38.  
 Artem'ev, N.L., Seliverstova, N.P., Astakhina, L.V. - Miniature vidicon. p.43.  
 Shumilov, V.S. - Coding device for stereoscopic television systems. p.45.  
 Arno'd, T.S., Krylov, L.P., Sheviakov, G.G. - Experience in the industrial testing of the latentification of DS-5 films. p.50.  
 Portable iodine flood lamp. p.51.  
 Wide-screen motion-picture system with picture masking. p.52.  
 Bolinaev, I.A.I. - Use of distorting glasses for the filming of special effects. p.54.  
 TSarev, V.N. - Results of the competition of efficiency promoters for the best proposal in the field of motion-picture and television equipment. p.58.  
 Abstracts. p.77.  
 One hundred and twenty-fifth anniversary of photography. p.92.

Vol.9, no.4, Apr. 1965.

Table of contents translated:  
 Make use of the newest achievements of science and technology in motion picture production. p.1.  
 Kutai, A.K., Balonkina, I.I., Kalruk, R.S. - Functional interchangeability of video tape recorders. p.5.  
 Elsaengardt, G.A. - Determining the quality of television transmission along the line. p.12.  
 Minunko, I.U.G. - Direct on-the-cable operation of television tubes. p.19.  
 Makedonskii, V.L., Stepanov, R.M. - Investigating the beam efficiency and secondary emission in a vidicon. p.24.  
 Saslonov, S.A., Dukhanin, N.G., Smirnov, A.V. - Investigating the aperture-phase correction circuit. p.29.  
 Starlandzhiev, S., Dikov, D. - Characteristics of the development of television and motion pictures in the Bulgarian People's Republic. p.33.  
 Mikhnevich, A.V. - Tape transport mechanism with high stability of the instantaneous carrier speed. p.40.  
 Veksel, G.S. - Transistorized voltage stabilizer with improved pulsation smoothing. p.47.  
 Tikhonovich, S.E., Sevast'yanova, L.S. - Some causes of instability in the processing of positive color films. p.51.  
 Shikhov, V.N., Tkachev, V.V. - Neutralization of electrostatic charges in the production of motion picture films. p.56.  
 Dyshel', I.L., Voronchikhin, G.M. - Electric mechanical proportioner for solutions. p.60.  
 Brudnik, S.K. - Improving the organization and economic aspects of stage settings management in the "Mosfil'm" studio. p.61.  
 Ustinov, R.A. - People's motion picture studio "Tunost". p.64.  
 Abstracts. p.77.  
 Production and economic conference in the "Mosfil'm" studio. p.81.  
 New mass production television sets. p.92.  
 Sixtieth anniversary of F.S. Novik. p.93.

Vol.9, no.6, June 1965.

Table of contents translated:  
 Khromoi, B.P., Ulianov, V.N., Samarin, M.S. - Formation of the silhouette signal in the system of the electron rear projection. p.1.  
 Sholits, I.I., and others. - Improving the vidicon operated motion-picture channel. p.8.  
 Antipin, M.V. - Perception of the sharpness, contrast and noise of a television image. p.17.  
 Minenko, I.U.G., Kondrat'ev, A.G., Lukin, M.I. - Focusing indicators of television cameras. p.25.  
 Gerasimova, O.A., Nilov, A.A. - Apparatus for determining the transfer functions of image transmitting systems. p.30.  
 Blumberg, I.B. - Brightness and contrast characteristics of a photographic image. p.40.  
 Krupenin, L.K. - Comparing the two methods for measuring the visual equivalent neutral density. p.44.  
 Goufman, I.N., Keandrov, E.V. - Filming with light intensification. p.51.  
 Zinger, S.A. - Acoustics in the new dubbing department of the Mosfilm Studio. p.57.  
 Poretskiy, I.B. - Relay voltage distributor. p.62.  
 Shorman, Z.B. - Device for printing footage numbers. p.63.  
 Ogurtsov, N.N. - Eliminating noise on the splices of 35mm film sound tracks. p.65.

Ogurtsov, N.N. - Erasing montage notes from the surface of magnetic sound tracks. p.66.  
 Abstracts. p.78.  
 Tenth Plenum of the organization committee of the Association of Cinematography Representatives of the U.S.S.R. p.91.  
 Conference on the quality of design and planning. p.92.  
 Communication satellite "Molnia-1." p.94.  
 Television in the teaching process. p.94.

## b. MUSIC

LETOPIS' MUZYKAL'NOI LITERATURY [CHRONICLE OF MUSICAL LITERATURE]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no.2, 1965.

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soizuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.8, nos.5, 12-13, Mar., June-July 1965.

SOVETSKAYA MUZYKA [SOVIET MUSIC]. Organ of Soizuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.29, no.3, Mar. 1965.

Table of contents translated:  
 Flarkovskii, A. - "Appeal of a mother." p.3.  
 Zak, V. - Songs of Aleksandra Pakhmutova. p.6.  
 Berezkin, V. - V. Tyndin as an artist for the theater. p.11.  
 Ivanova, Evg. - "October" at the Bolshoi. p.18.  
 Shakhnazarova, N. - His own way. p.22.  
 Kandinskii, A. - Living Russian tradition. p.29.  
 Dobrylina, E. - In the country of Kurpitiya. p.32.  
 Romadnina, D. - "Night train." p.37.  
 Levina, Z. - Songs from the cycle "Watercolors": "Maples", "Oh, rain!" p.42.  
 Kasatkina, G. - Fifth opening night. p.46.  
 Balik, M. - In the score and on the stage. p.49.  
 Irina Kuznetsova. - Odessa sketches. p.56.  
 Benjamin Britten speaks. p.63.  
 Leont'eva, O. - New prospects. p.64.  
 Tsyplin, G. - Understanding our contemporaries. p.74.  
 Francis Poulenc. - A talk about Ravel. p.78.  
 Katul'skaia, E., and others. - For the improvement of vocal skills. p.83.  
 Shumskaya, N. - Dolukhanova sings. p.92.  
 Dmitrii Blagol. - New items on concert programs. p.93.  
 Ginzburg, L. - Double-bass solo. p.94.  
 Nem'eva, M. - Aleksandr Slobodanik. p.95.  
 Tumanov, A. - Youth from Tiflis. p.96.  
 Gaidamovich, T. - The "Bucharest Trio." p.96.  
 Bolen'kaia, I., Glezer, R. - Letters from cities: Donetsk, Kislovodsk. p.97.  
 Gurevich, P. - With a pencil at the screen. p.99.  
 The children are waiting! p.101.  
 Keldysh, I.U. - "Wozzeck" and musical expressionism. p.103.  
 Vasilina-Grossman, V. - Music that will never grow old. p.113.  
 Vachinskii, I. - Festival in Poznan. p.117.  
 Lissa, Z. - Bydgoszcz and Torun. p.121.  
 Chulaki, M. and others. - The Bolshoi Theater in Milan. p.124.  
 Manzoni, D. - After two centuries. p.133.  
 In a humorous tone. p.143.  
 Brief news. p.145.

Vol.29, no.5, May 1965

Table of contents translated:  
 "Serve soldier!" p.3.  
 Bagdanov-Berezovskii, V. - A living legend. p.5.  
 Rittershtein, M. - Affirmation of light. p.14.  
 Sosnovskaya, O. - "It must not happen again!" p.20.  
 Mukharinskaya, L. - Songs of partisan land. p.22.  
 Protopenov, V., S.K. - Two interviews. p.30.  
 Kunina, I. - "Supporter of the Moscow Conservatory." p.35.  
 M. Chalkovskii to V. Komarova-Stasova. p.37.  
 Gabovich, Mikhail. - Moscow, 1941... p.39.  
 Vlasov, V. - On pages of a diary. p.42.  
 Gellig, M. - Joys and sorrows of the Saratov Opera House. p.47.  
 Kuznetsova, Irina. - Odessa sketches. p.52.  
 Dmitriev, I.U. - As a simple company chorus leader. p.64.  
 Iudin, G. - New items on programs. p.69.  
 Raizer, Evg. - The Leningrad Orchestra. p.70.  
 Tumanov, A. - "Winter journey." p.72.  
 Polianovskii, G. - Buryat artists. p.73.  
 Adzhemov, K. - Piano recitals. p.74.  
 Grigor'ian, A. - Foreign quartets. p.77.  
 Pichugin, P. - Guests from Latin America. p.78.  
 Briede, B., Braun, I. - Letters from cities: Riga. p.80.

Lemeshev, S. - From my autobiography. p.82.  
 Desiatnik, E. - With a clear conscience. p.89.  
 Khatskevich, I. - A woman partisan. p.91.  
 Gol'denveizer, A. - A master's advice. p.95.  
 Feigin, M. - Pedagogy, a vocation? p.103.  
 Muremirev, I.U. - 25 days in the U.S.A. p.105.  
 Zhitomirskii, D. - Britten's "War requiem." p.111.  
 Valda, I. - A people's artist. p.120.  
 Jiraneek, Ja. - Everyday heroism and poetry. p.125.  
 Pospisil, V. - A soloist of the philharmonic society. p.128.  
 Nem'ev, I. - Everyday musical life of Prague. p.130.  
 Rubin, M. - "Katerina Izmailova." p.136.  
 History of the "Mozartium." p.139.  
 Vienna, May-June. p.139.  
 A Russian Liza. p.140.  
 Mikhailova, L. - Memory of the heart. p.141.  
 Terent'ev, B. - On combat ships. p.147.  
 Nem'ev, I. - A word from a frontline journalist. p.145.

Gordon, A., Konnov, A. - Artist fighters. p.146.  
 Zolov, N. - In the name of victory. p.149.  
 Zak, V. - In the struggle for life. p.152.  
 Borisova, S. - Those who did not return. p.154.  
 Brief news. p.156.

## c. THEATER

KLUB I KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soizuzov [All-Union Central Council of Trade Unions]. Moscow, vol.14, nos.11-12, June 1965.

SOVETSKAYA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, vol.9, no.6(93), June 1965.

TEATR [THEATER]. Organ of Ministerstvo kul'tury SSSR and Soizuz pisatelei SSSR [Ministry of Culture of the U.S.S.R. and Association of Writers of the U.S.S.R.]. Moscow, vol.26, no.1, Jan. 1965.

Table of contents translated:  
 Pimenov, V. - The year 1965... p.3.  
 Fal'kovich, E. - Operetta from Rostov. p.11.  
 Krivitskii, K. - A theater and its head stage director. p.16.  
 Filkh, S. - With the same surname. p.22.  
 Tsvetkov, Georgii. - The central problem. p.26.  
 Kireev, P. - Last word of an amateur. p.33.  
 Abakkin, N. - Pages of a futuro book. p.41.  
 Khizhniakova, G. - Jubilant V.A. Popov. p.50.  
 Danilov, N. - Rimma Manukovskaya. p.57.  
 Zharov, Mikhail. - Life and a role (to be continued). p.61.  
 In the Ministry of Culture of the U.S.S.R. p.82.  
 G.L. - Useful beginning. p.82.  
 Tumanov, I., and others. - Four years later. p.85.  
 Repertoire of theaters. p.90.  
 Potomskii, Georgii - Rita Tereshkova, you're on! p.94.  
 Mikoslav Belovici talks. p.96.  
 Now head stage directors are appointed. p.97.  
 Koroleva, E. - Theater in the city of Osh. p.98.  
 Iuzbashiyan, Meri. - Reliable good routine, a feuilleton. p.100.  
 Shchedrodorova, G. - Sulambek Mamlov. p.102.  
 Svobodina, A. - The twenty-eighth of July in Yalta... p.103.  
 Zolina, E. - "Green brothers." p.104.  
 Flan, Konstantin. - Nikolai Vasil'evich Petrov. p.105.  
 Volynskiy, A. - Art overcomes segregation. p.106.  
 Sicilian, Francesco, and others. - Artists of the "La Scala" speak. p.110.  
 Golovitsa, V. - Princess of Cambodia dances. p.118.  
 Pfaf, Edith. - Book about myself (to be continued). p.120.  
 Translated from the French by N. Todria. p.120.  
 Kornelchuk, Aleksandr. - Page of a diary, a drama in two acts. p.136.  
 Arbuzov, Aleksai. - My poor Marat, dialogues in three parts. p.162.

Vol.26, no.3, Mar. 1965.

Table of contents translated:  
 Obratsova, A. - People and destinies: "On a wild shore" performed in the Mossovet Theater and in the A.S. Pushkin Theater of Drama in Leningrad. p.3.  
 Leikin, N. - Three seconds of art: "Page of a diary" presented in the Malyi Theater. p.7.  
 Kremshchikova, G. - At performances of the Uzbek ballet. p.11.  
 Frolov, V. - Monologue of a soldier: "Declaration of hatred" in the Mossovet Theater. p.15.  
 Stebun, I. - For the first time on the stage: "Truth and falsehood" performed in the Musical-Drama Theater in Zhitomir. p.18.

Mar'lamov, A. - Naika, Pechorin, and time; "Hero of our time" in the Theater of Drama and Comedy in Moscow p. 20.

Kaidalova, O. - In the theaters of Azerbaijan p. 27

To suitably portray the great causes of the Soviet people p. 33

Kholodov, E. - Poem about the five-year plan, the first plays of Nikolai Pogodin. p. 37

Tamashin, L. - "City of winds." p. 48

Kaarel Ird. - For the sake of art! p. 53

Antonova, G. - Letter to the editor. p. 57

Anufriev, V. - Tragic genius (N.P. Khmelev). p. 58

Mikhail Zharov - Life and a role p. 71

Pototskaya-Mikheeva, A. - Mikheeva among his friends p. 85

Once more about Lermontov p. 102

We add our congratulations. p. 102.

Living Pogodin p. 103

Fedorov, E. - Hello, Greece! p. 104

Araksmanian, A. - The new Uncle Bagdasar p. 107

Mironov, S. - Jubilee of a ballet p. 108

Sobodin, A. - Komissarshevskaya Day in Moscow p. 109

Zhegin, N. - In one's own voice p. 110

Krivitskii, K. - E. Shal'nikov in the role of Trifon. p. 112

Dmitrievskii, V. - Man in charge of the literary section groans, a feuilleton p. 113

Mochalov, IU. - Our friend and well-wisher p. 115

Who writes this kind of review? p. 116.

Malia Augatkalna - Pages of a life p. 119

Grigori Anisimov - Tair Salakhov works for the theater. p. 120.

Barenboim, A. - Fate of the "Odessa experiment." p. 122

N.L. - Wedding in Novocherkassk p. 123

Briefly about plays. p. 124

Cities and theaters pp. 103, 109, 118, 121

Zolotov, A. - Theater of Britain p. 125.

Marian Koval'. - The Slovenian Opera p. 130

Asarkan, A. - Love and fashion. p. 133.

Edith Piaf - Book about myself (to be continued). p. 140

Juhan Smuul - Shy Captain Iyn' from Kihnu Island; a performance with songs. p. 151

Vol 26, no. 4, Apr. 1965

Table of contents translated

Pimenov, VI. - Performance-document; the play "Sixth of July" performed in the K.S. Stanislavskii Theater of Drama in Moscow p. 3.

Aleksandrova, O. - "October" in Novosibirsk; V. Muradeli's opera presented in the Novosibirsk Academic Theater of Opera and Ballet p. 7.

Borovik, G. - Is the audience a participant or observer? (the play "Troubled happiness" performed in the A.S. Pushkin Theater of Drama in Moscow). p. 11

Pul'khrutudova, E. - The unknown Shaw, "The woman millionaire" performed in the Evg Vakhtangov Theater in Moscow. p. 13

Mosilev, B. - Kirov as theatrical critic. p. 38

Spadavekkia, A., Milutin, IU., Dadikhiliani, O. - The composer and the theater p. 46.

Iurii Barabash - Work of a playwright; on the 25th anniversary of the death of Iakiv Mamontov. p. 50

Anisimov, G., and others. - Comments by head stage-directors p. 55

Shtok, I. - About Nazim Hikmet p. 66

Praydivtseva, T. - Aleksandra Kilimova. p. 73.

Eteri Galustova - Parnaz Lapashvili p. 77.

Berezkin, V. - Approximate and precise; performances of the N.K. Krupskaya Theater of Russian Drama in Frunze. p. 17.

Miagkova, I. - Trial by poetry, "Cyrano de Bergerac" performed in the Moscow Theater-Studio "Sovremennik." p. 21.

Atkhennval'd, IU. - Theater, translation, theater. p. 28.

Matskin, A. - In memory of a friend p. 81.

Pugacheva, K. - "William Tell", Schiller; a story. p. 87

In the Ministry of Culture of the U.S.S.R. p. 98.

I.S. - Bard of a storm. p. 99.

Ioel's, V. - Russian winter. p. 100.

Grigor'eva, N. - Inexhaustible talent. p. 102

Cities and theaters. pp. 102, 110

Recollections of success p. 103.

Orlov, V. - Always with young people. p. 105.

Pollakova, E. - Theater of Beklesheva. p. 106.

Vertman, IU. - Merry Mitrofan. p. 109.

S.M. - The road begins with songs. p. 111.

Maksimova, V. - Evening of Boris Babochkin. p. 112

Frel'dina, L. - "Clean scrape." p. 114

Bocharnikova, E. - Not favorable! p. 116.

Nikol'skii, N., Novakii, L. - A congress of amateur theaters is needed, a letter to the editor. p. 118.

Gladikh, I. - On the way to Moscow with songs; a story. p. 121.

Levin, S. - Example of Tartu p. 122

Fal'kovich, E. - What causes joy. p. 123.

Georgii Kolos. - Merrily and maliciously. p. 125.

Kleimenova, M. - Clear view of life. p. 128.

Nat Balatova - And we laugh. p. 128

Uvarova, E. - Performance of young people p. 129

Stasenko, I. - Companions; remarks of a stage-director p. 130

Shumskaya, I. - Nikolai Petrovich; a feuilleton p. 131.

Doroshovich, A. - "Man without qualities" on the stage p. 133

Edith Piaf. - Book about myself (to be continued). p. 145

Afanasi Salynskii - Stones in hand, a play in three acts p. 159

Vol. 26, no 5, May 1965.

Table of contents translated:

Boris Polevoi - Soldiers of art (four encounters). p. 4.

Diaries from the front p. 9

Vladimir Lebedev. - Propaganda section of the Lenin-grad front. p. 24.

Aleksandr Kron - Banner of a theater p. 31

Rudnitskii, K. - Return of Chekhov; "Three sisters" performed in the M. Gor'kii Great Theater of Drama in Leningrad p. 35.

Riasentsev, B. - Family matters ; "Honor thy Father. . ." performed in the "Red Torch" theater of Novosibirsk p. 45.

Chislakova, V. - Leningrad ballet; "Three musketeers" in the Malyi Theater of Opera and Ballet and "Twelve" in the S.M. Kirov Theater of Opera and Ballet. p. 48.

Krymova, N. - On one's voyage . . . "At the death of poets" performed in the Leningrad Theater of Drama and Comedy. p. 53.

Letanov, M. - Courage of humanity. p. 57

Pimenov, VI. - Work about a friend p. 64.

Sobko, V. - Scout in the forefront. p. 67.

Vasilina, I. - People and "passions." p. 70.

Rogachevskii, M. - . . . And also the staging! p. 74.

Stonimskii, IU. - Sources of the great Russian ballet. p. 82.

Anufriev, Viach. - Khanaev in "Queen of spades " p. 93

Svetlana Ivanova - Marina Semenova in ballets by Chaikovskii. p. 98

Dmitriov, IU. - Twenty with a hook. p. 105.

Marinina, K. - The television camera and the actor. p. 110.

Golovina, L. - Seventh companion. p. 113

Rotova, A. - A life given to the theater. p. 117.

Letters written while on tour; from the archives of I.M. Moskvyn. p. 126.

State prizes of the R.S.F.S.R. p. 130.

Berlin, Milan, New York. p. 131

Zorina, G. - Mansurova on the stage p. 132

D.S. - Public figure. p. 134

Cities and theaters pp. 134, 140.

Liubinskii, I. - Thirtieth anniversary of the theater of the Northern Fleet p. 135.

Pollakova, E. - Second profession p. 138.

Shorokhov, V. - Two mothers. p. 139.

Khodunova, E. - V. Belanova as Nora. p. 141.

Popova, I. - Merry jubilee. p. 142.

At the plenum of the Council of the All-Union Theatrical Society. p. 142.

Maizus, S. - V. Babitsinskii as Chatekii. p. 143.

Viktor Bukhanov. - Artist of the guard. p. 144

Briefly about plays. p. 146

Makarov, An. - Idols and icons. p. 147.

Raikh, B. - Shakespeare in the Berlin Ensemble. p. 152

Chelombit'ko, G. - Roads of the Hungarian ballet. p. 153.

Stucheveskaya, E. - Jean Villard on "The Oppenheimer case." p. 156.

Voinova, Z. - Dramas of Edward Albee. pp. 158, 162.

Kleko Sato. - Mangel is a champion theater. p. 162.

Edith Piaf - Book about myself (conclusion) p. 165

Vol. 26, no. 6, June 1965.

Table of contents translated:

Pimenov, VI. - Who makes the play? p. 4.

Okhlopov, Nikolai. - So that the footlights wouldn't dim! . . . p. 12.

Zorin, Leonid. - Thoughts and hopes. p. 22.

Mikhailova, I. - In the genre of an epic. p. 20.

Krymova, N. - Theater of Voldemar Panso. p. 36.

Shcherbina, G. - Maturity and specific character. p. 49.

Vladimirova, Z. - Lidia Sukharevskaya. p. 59.

Gromov, N. - Afanasi Salynskii. p. 68.

Uvarova, I. - Malanka. p. 75.

Marlenko, A. - Kachalov. p. 83.

Dolinskii, M., Chertok, S. - Eighteen actors talk about themselves. p. 88.

In the Ministry of Culture of the U.S.S.R. p. 104.

Awarding of the title "People's Artist of the U.S.S.R." p. 104.

We congratulate those celebrating anniversaries! p. 104.

Cities and theaters. pp. 105, 120.

Andronikov, Irakli. - Actress of all the people. p. 106.

After the new year tour. p. 109.

Barsaglan, Vladimir. - An ordinary week for Maksimova and Vasil'ev. p. 112.

Maizus, S. - Teach adults from childhood on. p. 119.

Novikova, M. - Ordinary man. p. 120.

Kleinas, A. - Premieres in Vilnius. p. 121.

Fraerman, R. - Dear memory. p. 122.

Berezkin, V. - Nikolai Zolotarev. p. 123.

Zhuravleva, Zola. - Comrade witch, a comedy in three episodes. p. 125.

Davideno, A., Kukarelin, V. - Professional approach to a problem. p. 131.

Gladikh, I. - In friendship with the song. p. 132.

Sidorina, L., Kotchina, M. - Applause and pretensions. p. 134.

Kogan, G. - A half century ago. p. 137.

Orangelm, G. - Testament to the living. p. 138.

Efimov, I. - Big playbill. p. 139.

From the editor's mailbox. p. 140.

Radishcheva, O. - How Stanislavskii was an amateur actor. p. 142.

Okun'kova, IU., Rostotskii, B. - Russian classics on the Polish stage. p. 145.

Beinshteln, I. - In theaters big and small. p. 150.

Slavin, Lev. - Characterization of Rudolf Hens. p. 158.

Rozovskii, M. - New program of Marcel Marceau. p. 160.

L'vov, Nik. - Birth of the theater in Nigeria. p. 162, 166.

Volyn'tsev, A. - When Ella Fitzgerald sings. p. 160.

Iskov, I. - From the Avon to the Zambesi. p. 167.

Edlis, Iuliu. - Who is your brother Abel? (a dialogue in two parts). p. 169.

TEATR'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, nos. 13-15, July-Aug. 1965.

## 10. FINE ARTS

## a. GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.]. Issued by Soiz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, vol. 9, no. 6(91), June 1965.

ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others. Moscow, vol. 26, no. 3, 1965.

Table of contents translated:

Make the beautiful a part of life! p. 2.

V'funova, I. - The principal hero in our contemporary. p. 6.

Belkher-Ostronko, I. - Reveal the greatness of the working man! p. 10.

Pekarovskii, M. - Pressing problem of theory and practice. p. 16.

Morozov, A. - Artistic photography and the truth of art. p. 19.

Iakovlev, A. - Encounter with the Chukchi. p. 25.

Urazova, L. - Sculpture by Alfons Karny. p. 30.

Zaitsev, A. - Contemporary graphic arts of Sweden. p. 30.

Veimarn, B. - Afghanistan and its artists. p. 40.

Chekalov, A. - Structure of the image in Russian wooden sculpture. p. 45.

Pomerantsev, N. - Creations of a popular genius. p. 50.

Romni, A. - Portraits by El Greco. p. 57.

Samarin, IU. - V.A. Sorov in Abramtsevo. p. 63.

Zemtsov, S. - Works by Stanislaw Noakowski. p. 67.

Foreign review. p. 73.

Art life in the Soviet Union. p. 77.

Vol. 26, no. 4, 1965.

Table of contents translated:

"Soviet Russia." p. 2

Gak, A. - Documents reveal. p. 6.

Miunts, M. - A new stage. p. 7.

Vanslov, V. - Portrayal and expression in art p. 13.

Val'dman, Ed. - Eye of the artist and vision of science. p. 18.

Valerius, S. - Some problems of technical aesthetics. p. 28.

Sokol'nikov, M. - Paintings by Vladimir Igoshchev. p. 33.

Vladich, L. - Images of the new Egypt. p. 37.

Nadzhafov, M. - In memory of Immortal heroes. p. 41.

Romanychev, A. - A month in fraternal Hungary. p. 46.

Tupitsyn, I. - Little-known sculpture by Ivan Meštrović. p. 49.

Gaidukevich, E. - Militant vanguard of American graphic artists. p. 50.

- Bezrukova, M. - Axel Gallén-Kallala p. 55.  
Nekrasova, E. - Something new on the mosaic workshop of Lomonosov p. 61.  
Lebedev, A.K. - From the secret archives of an autocracy p. 65.  
Heler, E. - A Nikolai's memories of E. M. Falconet p. 69.  
Foreign review, p. 73.  
Art life in the Soviet Union p. 76.

KHUDOZHNIK [ARTIST]. Issued by Soizuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.], Moscow, vol. 7, nos. 6-7, 1965.

LETOPIS' IZOBRAZITEL'NOGO ISKUSSTVA [CHRONICLE OF FINE ARTS]. Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber], Moscow, no. 2, 1965.

MYSTETSTVO [ART]. Organ of Ministerstvo kul'tury USSR [Ministry of Culture of the Ukrainian S.S.R.] and others. Kiev, vol. 12, no. 3, May-June 1965.

- Table of contents translated  
Immortality of the people. p. 1  
Volodymyr Atiantov. - Creative quests p. 2.  
Oleksandr Markevych. - Notes of a viewer p. 8  
Kateryna Lomeshko. - Generosity of the heart. p. 10  
Ihor Verba. - Truth of images. p. 13.  
Gushchenko, Mykola. - So that colors would sing. p. 19.  
Dmytrenko, Anatoli. - Three paintings at an exhibition. p. 22.  
Bratchenko, Mykhailo. - People's hero. p. 25.  
Popova, Lidiya. - Some problems in the history of book illustration. p. 27.  
Pekarovskiy, Mykhailo. - Unforgettable. p. 30.  
Lobanovskiy, Borys. - The artist and architectural spaciousness. p. 32.  
Rypskaya, Neonila. - On new roads. p. 34.  
Serduk, Les'. - By Oleksandr Kornichuk p. 38  
Hubarenko, Vitalii. - For contemporary opera. p. 40.  
Bobrovnykov, Oleksii. - Original and exceptional. p. 40.  
Dovzhenko, Oleksandr. - The Ukraine on fire p. 42.  
Sydorov, Olekall. - Book about engravings. p. 47.  
Brief news p. 47.

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskol SSR [Ministry of Culture of the Armenian S.S.R.]. Eriivan, nos. 4-5, 1965, [In Armenian]

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soizuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.], Moscow, vol. 25, nos. 6-7, June July 1965.

TVORCHESTVO [CREATIVE WORK]. Issued by Soizuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.], Moscow, no. 6(102), 1965.

## b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po grazhdanskomu stroitel'stvu i arkhitekture pri Gosstroo SSSR and Soizuz arkhitektorov SSSR [State Committee for Public Construction and Architecture, Attached to the State Planning Committee of the U.S.S.R., and the Association of Architects of the U.S.S.R.], Moscow, no. 4, 1965.

- Table of contents translated  
Butuzov, V. - V.I. Lenin Pioneers' Camp at Artek, p. 1.  
Polianskii, A. - Principles of large-scale construction at Novy Artek. p. 10.  
Discussion of designs for new multistory buildings in Moscow. p. 15.  
Rozhin, I. - Designs in the competition for the Vilnius city center. p. 20.  
Rozhkova, I. - Problems in the long-range development of Magnitogorsk. p. 27.  
Zakov, I. - Practices in the planning and building of city centers in Moscow Province. p. 30.  
Sukhov, I., Chintulov, G. - Hydraulic structural complex of the Konakovo Hydroelectric Power station. p. 35.  
Naimark, N., Rumovskii, I. - Some characteristics of the planning of settlements at large hydroelectric power stations. p. 41.  
Belousova, E. - Central farmstead on the "Rodina Shevchenko" Collective Farm. p. 43.  
Svirskii, IA. - E. A. Lovinson's work, in observance of his 70th birthday. p. 51.  
Kisilakovskii, A. - Structures for the Olympic Games in Tokyo. p. 55.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Construction and Architecture]. Moscow, vol. 8, no. 2, 1965.

- Table of contents translated  
Zalunin, K. P., Shalotin, V. I. - Determining the coefficient  $\gamma_0$  from deformation methods of calculation. p. 3.  
Iur'ev, A. G. - Calculating ribbon foundations for flexure according to maximum deformations of foundation beds. p. 8.  
Kulish, V. I. - Accounting for the torsion of the main beams in the calculation of bridges. p. 12.  
Shchelkunov, V. G. - Damping of indirect stresses in combination two-hinged arched elements. p. 17.  
Maslennikova, IU. I. - Static calculation of an elastic wire. p. 26.  
Ibraev, O. I. - Effect of the sequence of the application of outer loads on the bearing capacity of rods of linear reinforcing elastoplastic material. p. 40.  
Vatulin, A. Kh. - Applying the mixed method to the problem of the stability of the flat form of bending in thin-walled rods. p. 46.  
Bogdanov, A. N. - Plastic flow of a curved rod under bending. p. 51.  
Bulgakov, E. Kh. - Analytical method of calculating the concentrations of sodium chloride during winter concreting operations. p. 57.  
Timofeev, A. I. - Some characteristics of the selection of the constituents of lightweight concrete with porous filler. p. 62.  
Pevzner, E. D., Kuchur, E. S. - Autoclaved agglomerate concrete with dolomite binding materials. p. 69.  
Kozin, V. N. - Some problems in calculating sewage conduits and channels. p. 77.  
Rokhtsov, L. P., Vatolin, N. N., Zavadskii, V. G. - Hydraulic characteristics of welded radiator units of single-pipe systems of hot-water heating. p. 81.  
Sedov, M. S. - Effect of the size of barriers on their aerial sound insulation. p. 87.  
Polisuk, G. B. - Using methods of multiple correlation to analyze factors in reducing the cost of construction and assembling operations. p. 94.  
Filatov, N. V., and others. - Some results of using thermal drills for boring holes in concrete. p. 104.  
TSirkel', M. IU. - Using seamless products in construction in the western Urals. p. 109.  
Popov, A. I. - Developing a method of modeling the stresses in three-dimensional elements of a modern hydroelectric power station. p. 114.  
Konovalov, E. A. - Experimental study of the process of the shrinkage of peat layers during drying. p. 121.  
Terenetskii, K. S. - Distributing ability of road topplings as an indication of their carrying capacity. p. 125.  
TSyganov, R. IA. - Studying the heat cycle of roadbeds by electric models. p. 131.  
Shleiberg, IA. A. - Principal types of multistory sectional-corridor apartment houses. p. 134.  
Raspopin, G. A. - Studying and designing reservoir intakes. p. 140.  
Khalitov, V. A. - Training engineers in building materials in construction schools of the German Democratic Republic. p. 149.  
Lebedev, G. V., Solovykh, S. F. - Stressed state of the filler during its outflow from a square silo. p. 153.  
Gol'denberg, L. I. - Characteristics of the construction of large-span elements of the roofs of hangars. p. 159.  
Kuznetsov, A. V. - Method of drawing perspectives by using transparent nomograms. p. 166.  
Levenson, IA. S. - Create an independent course on flaws in structural elements. p. 171.  
Sirokhin, V. P. - Terms. p. 172.

STROITEL'STVO I ARKHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet po delam stroitel'stva Ukrainoi SSSR and Soizuz arkhitektorov Ukrainy [State Committee for Construction in the Ukrainian S.S.R. and the Association of Architects of the Ukraine]. Kiev, vol. 12, no. 2, Feb. 1964.

- Table of contents translated  
Development of the chemical industry is an important task of the State. p. 1.  
Dzagnov, V. - Synthetic materials should be available for the construction industry. p. 1.  
Nechitalo, V. - Designing plants for the production of artificial and synthetic fibers. p. 2.  
Nazarov, G., Korzh, E. - Polymer wares. p. 7.  
Pinskoy, M. - Further industrialization of the construction of apartment houses and public buildings. p. 8.  
Bogdanov, A. - Large-block apartment house of natural stone. p. 10.  
Morozov, D. - Improve the method of standard designing. p. 12.

- Tandelnik, A., Khimer, B. - Comprehensive series of large-panel public buildings according to a frameless design. p. 15.  
Zon'kovich, G. - Cooperation of public buildings in small settlements. p. 19.  
Ignatkin, I. - Role of theory in designing. p. 22.  
Svirchenko, E. - Architectural and artistic expressiveness of prefabricated apartment houses p. 24.  
Façade variants for apartment houses (series 1-463 and 1-480). p. 27.  
Tkachenko, V. - Device for sealing joints. p. 29.  
Kuz'min, E., and others. - Bituminous perlit concrete. p. 30.  
Ekel'chik, M. - Wages in housing construction according to scheduled piecework. p. 33.  
Sapunov, V. - Table for calculating panels for floors and roofs with local transverse loads. p. 36.  
Gogilyavskiy, O. - State Construction Publishing House of the Ukrainian S.S.R. in 1964. p. 38.  
Shitenko, S., Kagnai, A., Goncharov, M. - Foundation for floors of rolled gypsum cement concrete panels. p. 40.  
Petrov, O. - Experimental construction. p. 40.

Vol. 13, no. 5, May 1965

- Table of contents translated  
Kosenko, A. - Squares of Kiev. p. 1.  
Zaretskii, V., and others. - City-planning classification of health resorts. p. 6.  
Chernyshev, V., Lipskii, E. - Prospects for the development of the southern shores of the Crimea p. 9.  
Ioffe, O. - Practices in health-resort and sanatorium construction along the southern shores of the Crimea. p. 11.  
Gal'perin, E. - New boarding-house in Alushta. p. 14.  
Redenko, E. - Effective method of laying pipelines in sagging soils. p. 16.  
Rokhlin, I. - New designs of wall panels. p. 19.  
Zel'tser, R., Linetskaya, Zh. - Economic effectiveness of modernizing tower cranes. p. 22.  
Ingvalov, L. - Apartment house according to an improved design. p. 24.  
Dokhtar, S., Medvedev, M., Smazhenniy, A. - New "theory" and the practice of standardization. p. 28.  
Vorzhbitskii, N. - Opportunities for standardization in large-block construction in the Crimea p. 29.  
Sukhenko, S. - Equipping apartments with new furniture. p. 33.  
Pogrebnoi, IA. - Calculating fixed frames by a method of reduced stability. p. 37.  
Bezpalii, V. - Designing shallow shafts. p. 38.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiaschikhslia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 27, no. 3, Mar. 1965.

- Table of contents translated  
Liubosh, A. A. - The city grows and expands; plan for the construction of Leningrad in 1967-1968. p. 4.  
Vetrov, P. G. - On the way to the improvement of the quality of fully prefabricated buildings. p. 10.  
Bobchenok, P. K. - On a new stage; problems in the further improvement of the technical and economic indices of the work of the housing construction combines. p. 14.  
Bolikov, I. V. - Accelerated construction of chemical enterprises. p. 16.  
Suzdal'tseva, A. IA. - Decorative characteristics of structural concrete. p. 18.  
Fomina, I. I. - Problems in the training of architects. p. 20.  
Barutchev, A. K. - Beginning of a creative biography, students' diploma projects in architectural schools. p. 25.  
Khidekel', L. M. - Architect A. S. Nikolskii, in commemoration of the 80th anniversary of his birth. p. 29.  
Raeva, E. S. - Standards and norms, effective means for improving the quality of construction, finishing, and equipping of buildings. p. 33.

## 11. LANGUAGE, LITERATURE & FOLKLORE

### a. LANGUAGE

INOSTRANNYE IAZYKI V SHKOLE [FOREIGN LANGUAGES IN SCHOOLS]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no. 3, May-June 1965.



KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE] Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanduse Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.] Tallinn, vol. 9, no. 7, July 1965 [in Estonian]

LIETUVOS TSR AUKSTUJŲ MOKYKLŲ MOKSLO DARBAI KALBOTYRA. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR [Linguistics] STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R. LINGUISTICS Vilnius, vol. 12, 1965.

MOSCOW, MOSKOVSKIĖ GOSUDARSTVENNYĖ PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Kafedra perevoda. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES. Department of Translation Studies]. No. 2, 1964. Notebooks of a translator.

Table of contents translated:  
Kunin, A. V. - Translation of English phrases in an English-Russian phrase dictionary. p. 3.  
Levitskaia, T. R., Fitterman, A. M. - Verbs of an adverbial meaning and their translation into Russian. p. 20.  
Barkhudarov, L. S. - Lexical comparisons in poetic translation, according to I. A. Bunin's translation of "Song of Hlawa" by H. Longfellow. p. 41.  
Kunin, L. M. - Translation of Lamartine's poem "The lake." p. 61.  
Tsvilling, M. I. A. - From the foreign language to the native and in reverse, organizing a course in translating from Russian into a foreign language using German as an example. p. 68.  
Gak, V. G. - Various types of bilingual dictionaries. p. 71.

Andrianov, S. N. - Some problems in compiling dictionaries of special terminology. p. 78.  
Khorokhorin, L. G. - Some remarks on the polysemy and the undifferentiation of words in bilingual dictionaries. p. 81.  
Borodianskii, I. A. - I. I. Vvedenskii's translation of phrases in works by Dickens and Thackeray. p. 100.  
Turover, G. I. A. - Transcription of Spanish proper names into Russian, according to materials of toponymy and anthroponymy. p. 108.

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNAANIU [NEW FOREIGN LITERATURE LINGUISTICS]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1965.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNAANIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1965.

SOVETSKOE FINNO-UGROVEDENIE. SOVIET FINNO-UGRIC STUDIES. Issued by Akademiia nauk Estonskoi SSR [Academy of Sciences of the Estonian S.S.R.]. Tallinn, vol. 1, nos. 1-2, 1965.

TASHKENT, UNIVERSITET. Nauchnye trudy [UNIVERSITY, Studies]. No. 247, 1964. Filologicheskie nauki [Philological Sciences], no. 28. Iranian, Turkic, and Arabic philology. Language statistics.

Table of contents translated:  
Ganter, A. G. - Usage of verbs of the passive voice in literary Afghan. p. 19.  
Muzhdabaev, M. M. - Comparative impersonal sentences with a predicate such as "dal buldi" in modern Uzbek. p. 32.  
Khalidov, B. Z. - Etymology of the word "tannur." p. 39.  
Kissen, I. A. - Statistical study of word frequency in editorials of the newspaper "Kizil Uzbekiston." p. 44.  
Kissen, I. A. - Some data on word frequency in con-

Ha Nauch. trudy TashGU no. 247 Filol. nauki no. 28 1964. temporary Uzbek prose. p. 69.  
Kosonovskii, A. I. - Preliminary data on word frequency in the language of the Hindi press. p. 74.

UKRAINS'KA MOVA I LITERATURA V SHKOLI [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS]. Issued by Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 8, June 1965.

VOPROSY IAZYKOZNAANIA [PROBLEMS OF LINGUISTICS]. Issued by Institut iazykoznanii Akademii nauk SSSR [Institute of Linguistics of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 14, no. 1, Jan.-Feb. 1965.

Table of contents translated:  
Zhirmonskii, V. M. - General trends of phonetic development in Germanic languages. p. 3.  
Hann, J. - Some remarks on diachronic studies. p. 22.  
Korotkov, N. N., Panfilov, V. Z. - Typology of grammatical categories. p. 37.  
Semeniuk, N. N. - Some remarks on language variants. p. 48.  
Paducheva, E. V. - On the concept of configuration. p. 56.  
Grigor'ev, V. P. - The discussion "Suggestions for the improvement of Russian orthography." p. 69.  
Prokopyovich, E. N. - Verbal-intellectual forms in 19th century literary Russian. p. 78.  
Makovskii, M. M. - Analysis of lexical retics and innovations in establishing isoglosses. p. 83.  
Blagova, G. F. - The importance of modern Uzbek dialects for the study of the Old Uzbek written language. p. 96.  
Jakobson, R. O. - Latinization of international telegrams written in Russian. p. 111.  
Brief news p. 133.  
Books, periodicals, and brochures received by the editors p. 143.

Vol. 14, no. 3, May-June 1965.

Table of contents translated:  
Rozpond, S. - Structure and classification of old East Slavic anthroponyms. p. 3.  
Abdov, V. I. - Linguistic modernism as a dehumanizing process of the science on language. p. 22.  
Revzin, I. I. - Structural linguistics and the unity of language study. p. 44.  
Rozhdestvenskii, I. V. - On the modern structure of linguistics. p. 60.  
Kolmogorov, A. N. - Analysis of rhythm in "Verse about the Soviet passport" by Malakovskii. p. 70.  
Gaspárov, M. L. - Free trochee and free iambus in Malakovskii's verse. p. 76.  
Lomtev, T. P. - On one possibility of interpreting phonological development. p. 89.  
Zemakina, E. A. - Remarks on word formation in modern Russian. p. 102.  
Red'kin, V. A. - Interrelation of nominal and verbal accentuation in modern literary Russian. p. 111.  
Kreftovich, E. A. - Interrupted verbal stems in the Ket language. p. 118.  
Bachman, K. I. - Interrelation of spontaneous and arbitrary processes in the development of language. p. 131.  
Golovin, B. N. - Experiment of probability-statistical analysis of some phenomena in the history of literary Russian of the 19th and 20th century. p. 137.  
Brief news. p. 173.

## B. LITERATURE & FOLKLORE

ALA-TOO, literaturno-khudozhestvennyi i obshchestvenno-politicheskiĭ zhurnal [ALA-TAU, Literary and Sociopolitical Magazine]. Organ of Soluz pisatelei Kirgizii and Ministerstvo kultury Kirgizskoi SSR [Association of Writers of Kirgizia and the Ministry of Culture of the Kirgiz S.S.R.]. Frunze, vol. 34, nos. 4-5, Apr.-May 1965. [in Kirgiz]

AZERBAICHAN [AZERBAIJAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 4, Apr. 1965. [in Azerbaijani]

BAIGAL [BAIKAL]. Ulan-Ude, no. 2, Mar.-Apr. 1965. [in Buryat]

DAL'NIĖ VOSTOK [FAR EAST]. Organ of Khabarovskoe otdelenie Soluz pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R.S.F.S.R.]. Khabarovsk, vol. 33, no. 3, May-June 1965.

DILA [MORNING]. Issued by Tsentral'nyi komitet leninskogo kommunisticheskogo sojuza molodezhi Gruzii i Respublikanskii sovet organizatsii iunych pionerov im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, nos. 2-3, 6, 1965. [in Georgian]

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, no. 6, 1965.

INOSTRANNAIA LITERATURA [FOREIGN LITERATURE]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1965.

IUNOST' [YOUTH]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 11, nos. 5-7, June-July 1965.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, no. 7, 1965. [in Latvian]

LITERATURNAAI ARMENIA [LITERARY ARMENIA]. Organ of Soluz pisatelei Armenii [Association of Writers of Armenia]. Eriuan, vol. 7, no. 5, May 1965.

LITERATURNAAI GRUZIA [LITERARY GEORGIA]. Organ of Soluz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 9, no. 8, June 1965.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanduse Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, nos. 5-7, May-July 1965. [in Estonian]

MOLODAIA GVARDIJA, literaturno-khudozhestvennyi i obshchestvenno-politicheskiĭ zhurnal [YOUNG GUARD, Literary and Sociopolitical Magazine]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo sojuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 7, July 1965.

MOSCOW, UNIVERSITET. Vestnik. Seria 7: Filologiya, zhurnalistika [UNIVERSITY. Review. Series 7: Philology, Journalism]. Vol. 20, no. 1, Jan.-Feb. 1965.

Table of contents translated:  
Glagolev, N. A. - Important stage in the development of A. I. Horzhen's historical and literary views during the 1850's. p. 3.  
Gorbunov, A. P. - Characteristics of metaphorical word usage in the publicism of L. Leonov. p. 13.  
Aisova, T. B. - Methods and objectives of the historical study of language; from materials on the Italian language. p. 29.  
Ilushin, A. A. - Poems of the Decembrists on themes of early Russia, the second half of the 1820's and the 1830's. p. 41.  
Seliverstova, O. N. - Semantic analysis of the English words "some" and "any" and their derivatives and rules for translating these words into Russian. p. 53.  
Oganessova, R. D. - From the history of time conjunctions of the relative type. p. 65.  
Mochul'skii, V. F. - "Lay of the host of Igor" and White Russian oral poetic tradition. p. 74.  
Morozova, M. N. - Attempt at a comparative study in style. p. 85.  
Zhuravieva, A. - Lermontov Days in the Philology Department. p. 94.  
Popova, T. P. - Seminar for foreign Slavists held in Yugoslavia. p. 95.

NASH SOVREMENNIIK [OUR CONTEMPORARY]. Organ of Soluz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, no. 6, June 1965.

NISTRUL [DNISTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S.S.R. Kishinev, vol. 34, no. 6, 1965. [in Moldavian]

NOVYĖ ZHURNAL. THE NEW REVIEW. New York, vol. 24, no. 70, 1965.

OKTIABR' [OCTOBER]. Organ of Soluz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, vol. 41, no. 4, Apr. 1965.

Table of contents translated:  
Bylinov, Aleksandr. - Streets of wrath; a novel (to be continued). p. 3.  
Dmitriev, Oleg. - Sentimentality of our times; verse. p. 78.  
Zhuraviev, Vasilii. - Saken's indomitable horse; Before spring... Matchbox...; verse. p. 81.  
Konstantinovskii, I. I. - Prescription; a tale. p. 83.  
Markov, Aleksei. - To friends and to strangers; verse. p. 146.  
Kochetov, Valentin. - Fisherman's fight; verse. p. 148.  
Nozdrev, Vasilii. - Northern lights; verse. p. 150.  
Fateev, Roman. - Breathing of mountains; a story. p. 151.  
Shavrin, Iurii. - Muscovite Siberia; verse. p. 159.  
Mamaev, Magomet. - In the mountains; And love fades away...; verse. p. 160.  
Henry, O. - The rabbit and the play; a story. p. 162.  
Chupin, V. - Concerns of a forested region. p. 165.  
More about the Balkai; a review of letters. p. 171.  
Figurovskii, N. - Man of great intelligence. p. 175.

- Chernikov, D. - Ghana is near and far. p. 181  
 Petrov, F. - Highest decoration of our motherland p. 191  
 Moizer, Anna. - Publicism is the flame of literature p. 193  
 Dremov, A. - A start has been made. What happens now? p. 194  
 Zelinskii, K. - The truth must not be distorted p. 197  
 Gol'dina, R. - Prototype of the future p. 201  
 Gubin, Andrei. - Letter to an author and friend. p. 200  
 Vlasenko, A. - Chronicle of a life p. 215  
 Idashkin, Iurii. - In one's own words. p. 217  
 Brief book reviews p. 220
- Vol. 42, no. 6, June 1965.  
 Table of contents translated:  
 Marietta Shaginian. - The First All-Russian Exhibition, a chronicle novel. (to be continued). p. 3.  
 Firsov, Vladimir. - As seen by a century; a patriotic monologue. p. 59.  
 Tur, Valerii. - Earthly labors, verse. p. 64.  
 Sidorenko, Nikolai. - Very long ago... Cuckoo, Time passes on... verse. p. 66.  
 Bylinov, Aleksandr. - Six acts of wrath, a novel (conclusion). p. 67.  
 Pavlinov, Vladimir. - Ballad of the Dasha from Lyubino; verse. p. 127.  
 Lisovskii, Kazimir. - My riches, verse. p. 128.  
 Braun, Nikolai. - To Russian nature, heavy rains; verse. p. 130.  
 Man'ko, Evgenii. - Fables in prose form. p. 131.  
 Voronov, M. N. - Shattering volleys. p. 133.  
 Mel'skii, G. - Yamal is a corner of the earth. p. 151.  
 Kolczynski, Janusz. - Diversion. p. 162.  
 Stokov, Petr. - The Great Patriotic War and literature. p. 173.  
 Khokhlov, N. - The Congo, five years of alarm. p. 177.  
 Krivitskaya, Aleksandra. - Be darling, be creative! p. 170.  
 Belokon', I. - Throughout the whole world. p. 181.  
 Tregub, S. - "Be a good warrior..." p. 183.  
 Dzigan, Efim. - Story of memorable days. p. 185.  
 Brief book reviews. p. 218.
- PERGALE [THE VICTORY]. Organ of Lietuvos TSR rašytojų sąjunga [Association of Writers of the Lithuanian S.S.R.]. Vilnius, nos. 6-7, 1965 [In Lithuanian]
- POD'EM [UPSWING]. Issued by Voronezhskoe otdelenie Soluzn pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R.S.F.S.R.]. Voronezh, no. 3, May-June 1965.
- POLJARNAA ZVEZDA [THE NORTH STAR]. Organ of Soluz sovetskikh pisatelei IAKUTII [Association of Writers of Yakutia]. Yakutsk, no. 5, Sep.-Oct. 1964, no. 1, Jan.-Feb. 1965.
- POLYMA [FLAME]. Organ of Soluz pis'mennikov BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 43, nos. 6-7, June-July 1965.
- PROSTOR [WIDE-OPEN SPACES]. Issued by Soluz pisatelei i TsK LKSM Kazakhstana [Association of Writers and the Central Committee of the Lenin Communist Youth League of Kazakhstan]. Alma-Ata, nos. 6-7, June-July 1965.
- PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S.S.R. Petrozavodsk, vol. 22, no. 3, 1965. [In Finnish]
- RADUGA [THE RAINBOW]. Organ of Pravlenie Soluzn pisatelei Ukrayny [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 15, no. 6, June 1965.
- RUSSKAIA LITERATURA [RUSSIAN LITERATURE]. Issued by Institut russkoi literatury Akademii nauk SSSR [Institute of Russian Literature of the Academy of Sciences of the U.S.S.R.]. Leningrad, vol. 8, no. 2, 1965.
- SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soluz pisatelei RSFSR i Novosibirskoe otdelenie Soluzn pisatelei [Association of Writers of the R.S.F.S.R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol. 44, nos. 5-8, 1965.
- SLOVO, zbirnyk. THE WORD; Almanac. Issued by Ob'ednaniia ukrains'kykh pys'mennykh v okzyl [Ukrainian Writers' Association in Exile]. New York, no. 2, 1964.
- SUCHASNIST', literatura, mystetstvo, suspil'ne zhyttia [OUR TIME, Literature, Art, and Social Problems] Munich, vol. 5, nos. 6(54)-(755), June-July 1965.
- TAVAN ATAL [NATIVE VOLGA]. Issued by the Association of Soviet Writers of Chuvashia. Cheboksary, no. 1, Jan.-Feb. 1965. [In Chuvash]
- URAL. Issued by Sverdlovskoe otdelenie Soluzn pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R.S.F.S.R.]. Sverdlovsk, vol. 8, no. 6, June 1965.
- VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykh Ukrainy [Associations of Writers of the Ukraine]. Kiev, vol. 33, nos. 5-6, May-June 1965.
- VOPROSY LITERATURY [PROBLEMS OF LITERATURE]. Organ of Soluz pisatelei SSSR i Institut mirovoi literatury Akademii nauk SSSR [Association of Writers of the U.S.S.R. and the Institute of World Literature of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 9, no. 3, Mar. 1965.
- Table of contents translated:  
 Pimenov, V. - And nevertheless it turns! p. 3  
 Vaisfeld, I. - Varieties of simplification. p. 9.  
 Mitin, G. - The new Cysano, the new Hamlet... p. 12.  
 Lankutis, J. - In the depths of the human heart. p. 17.  
 Aizenshtadt, V. - Year of dramatization. p. 21.  
 Ignatieva, N. - Scenarists are needed in motion pictures p. 26.  
 Frolov, V. - The quests continue. p. 30.  
 Kholmakova, Z. - Dramatism of prose and narrative nature of dramaturgy. p. 36.  
 Rozhdavskii, R. - New verse. p. 40.  
 Voronov, V. - We will still be. p. 56.  
 Novich, I. - Man and his time. p. 70.  
 Turaev, S. - Socialist realism and national traditions. p. 80.  
 Mendelson, M. - "Second vision" of Scott Fitzgerald. p. 102.  
 Kapustin, M. - Problems of Dostoevskii today. p. 126.  
 Sirge, R. - Returning to the past p. 144.  
 Bulgakov, M., Veresnev, V. - Correspondence in regard to the play "Pushkin" ("The last days"). p. 151.  
 Gusev, V. - In psychic states... p. 172.  
 Gltovich, N. - "There is no basis to doubt..." p. 174.  
 Timofeeva, V. - If one doesn't cut the quotation short... p. 176.  
 Milavskii, B. - Now in the 1960's we write about the literary decade of the 1920's. p. 178.  
 Samarin, R. - Clarity of a position. p. 190.  
 Sharif, Aziz. - Time dictates new criteria. p. 195.  
 Zhabrskaya, V. - Ideas of the Renaissance in Lithuania p. 202.  
 Neiman, B. - Fate of a poet. p. 206.  
 Berkov, P. - Monograph about "Iskra." p. 210.  
 Shkunaeva, I. - Personality of an artist. p. 214.  
 Kin, TS. - Original study. p. 217.  
 Rabinovich, I. - Difficulties of generalization p. 221.  
 Solov, F. - Portrait of an authoress. p. 228.  
 Kedrina, Z. - Guide and discoverer. p. 227.  
 Kozhakeev, T. - Saken Seifullin was a poet of the revolution p. 220.  
 Khazin, M. - Moldavian folklore in the works of Pushkin. p. 230.  
 Zaitsev, Vi. - "Tales on the origin of Moscow." p. 232.  
 Gordon, L. - Influence of the French enlightenment on German literature. p. 234.  
 Uralov, R. - Something to good effect. p. 237.  
 Dudochkin, P. - Essence of announcements. p. 240.  
 Gal, E., Ganin, B. - How Pufik flew; The wolf cub and the electric ray; There is such a girl; Incident in the president's bedroom. p. 241.  
 Shanin, IU. - Stages of a long road. p. 243.  
 Tatarinov, V. - Arabesques. p. 243.  
 Literary life. p. 244.
- Vol. 9, no. 6, June 1965.  
 Table of contents translated:  
 Ozerov, V. - Breadth and clearness of purpose; critical remarks. p. 3.  
 Parkhomenko, M. - Miracle or natural phenomenon? p. 26.  
 Koplelov, A. - Siberia is a poetic land. p. 30.  
 Zol'tsa, - I shall praise the dawn. p. 56.  
 Akhmediani, G., Margvelashvili, G. - Studying the biography of the great Rustaveli p. 64.  
 Revzin, I. - Purposes of the structural study of literary creation. p. 73.  
 Kozhinov, V. - Is structural poetics possible? p. 88.  
 Makashin, S. - Writer of bitterness and wrath. p. 108.  
 Pinskii, L. - Theater of Time; poetic historicism of Shakespeare in chronicles and "Julius Caesar." p. 126.  
 Proskurnikova, T. - Flight from an exclusive circle; on the works of Arthur Adamov. p. 149.
- Kuprilanovskii, P. - On the "Literary notes" of D. Furmanov p. 171  
 Rassadin, Si. - I shall try to be more precise. p. 177  
 Travnikov, V. - Pseudonyms have been incorrectly interpreted p. 180.  
 Trofimov, I. - Further studies are needed p. 182  
 Khehnikov, L. - Bibliography of Lunacharskii's works. p. 185  
 Baranov, V. - Individuality of the artist and originality of the critic. p. 189  
 Kolesnikova, G. - In the forefront of time p. 192  
 Levin, F. - Book about Julian Smuul. p. 194  
 Melik-Nubarov, S. - Poetic epic of Ovanes Tumanian p. 198  
 Kapustin, M. - On a special type of literary development p. 201  
 Fridman, N. - Works of literary scholars in Tartu p. 206  
 Rozanova, S. - Specific character of epistolary publications p. 214.  
 Chudakov, A. - New problems or repetition of the old? p. 218  
 Playakin, Z. - Novel of Latin America p. 222  
 Ivasheva, V. - Letters of C. Dickens. p. 226  
 Starkov, A. - Not moving forward p. 229.  
 Karpov, A. - Poetry of the land of Voronezh p. 230  
 Buchis, A. - Works of Antanas Baranaukas p. 232  
 Gol'berg, M. - Bibliography of Pavlo Hrabovskiy. p. 234.  
 Kozhevnikov, IU. - Tolstoi and Rumanian literature. p. 235.  
 Uralov, R. - Question mark p. 239  
 Brukash, M. - Heart, I want you so to be at peace! p. 241.  
 Rabeko, I. - Smells of Russia. p. 243  
 Shchekin, F. - Pleasant surprise, Critical dialogues. It helped. p. 243.  
 Literary life. p. 246.
- VOZROZHDENIE [RENAISSANCE]. Paris, nos. 162-163, June-July 1965.
- ZHUL'DYZ [STAR]. Issued by Soluz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no. 6, June 1965. [In Kazakh]
- ZNAMIA [THE BANNER]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 35, no. 6, June 1965.  
 Table of contents translated:  
 Vadim Kozhevnikov - Shield and sword, a novel (end of part one) p. 3  
 Iurii Voronov. - Blockade notes; verse p. 102.  
 Lukonin, Mikhail. - Roots of mountains; verse. p. 108.  
 Velembovskaya, I. - On the trail of love, a story p. 117  
 Voznesenskii, Andrei - Two poems. p. 142  
 Sazhin, Petr. - The return p. 144.  
 Eme'lanova, N. - Taking of Poznan (conclusion) p. 164.  
 Aleksandr Kotov - Chess for fun and in earnest (conclusion) p. 209.  
 Romanov, AI. - Motion-picture art and our times p. 226  
 Gus, M. - "Outside time and space." p. 234.  
 Terakoptan, L. - A word about Sholokhov. p. 250.  
 Giller, V. - At the dawn of medicine p. 261.  
 In a few lines. p. 262.
- ZVEZDA [THE STAR]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Leningrad, no. 5, May 1965.  
 Table of contents translated:  
 Prokof'ev, Aleksandr. - Red wind, There was a salute... verse. p. 3.  
 Gtovlich, Aleksandr. - Memories in the Pushkin Mountains; verse. p. 4.  
 Nikol'skaya, Larisa. - Blue kerchief; verse. p. 4.  
 Pagnirov, Gleb. - I'm waiting for trains from Leningrad... verse. p. 5.  
 Trekunov, S. - The clock, verse. p. 6.  
 Trainin, Isaak. - Mother; verse. p. 8.  
 Murov, M. - On a sleigh over the Ladoga. p. 7.  
 Khrushanovskii, Andrei. - White Hiac; a story. p. 19.  
 German, Iurii. - I'm responsible for everything; part two of a novel (to be continued). p. 27.  
 Miezalitis, Eduardas. - Intimate water colors; verse. Translated from the Lithuanian by Leonid Martynov. p. 78.  
 Kapitsa, P., Obrant, S. - Night landing, a play. p. 84.  
 Poltorak, A. - Nuremberg epitogue (to be continued). p. 115.  
 Panteleev, IU. - Flank attack of Leningrad (to be continued). p. 152.  
 Fedorov, IU., Kostluchenko, S., Khrenov, I. - Creators of terrible fanks. p. 187.  
 Ivanov, Vasilii. - Not forgotten in spite of prescription! p. 175  
 Werth, Alexander. - Catastrophic defeat of Hitler in the Crimea. Translated from the English by E. Llinetskaya. p. 186.  
 Ivanov, Leonid. - Udomyia association. p. 191.

- Petrova, Vera - And the sea did not return him " p. 197.
- Khvatov, A. The Melekhov family in "And quiet flows the Don" p. 201
- Humor from the front, through the pages of the newspaper "Na strazhe Rodiny" and the magazine "Svoznik." p. 219.

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soluz pisatelei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol. 33, no. 5, 1965.

## 12. GEOGRAPHY & GEOLOGY

### a. ETHNOLOGY

SOVETSKAIA ETNOGRAFIYA [SOVIET ETHNOGRAPHY] Issued by Institut etnografii Akademii nauk SSSR [Institute of Ethnography of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, May-June 1964.

Table of contents translated:

- Lebedeva, A. A. - An experimental study of the economy and culture of the Russian rural population in Transbaikalia. p. 3.
- Rozdestvenskaya, S. B. - A tentative treatment of ethnographic material with the aid of electronic computers. p. 18.
- Gardanov, V. K. - Remnants of the dual organization among the Adyghe (Circassians) in the first half of the 19th century. p. 27.
- Chernetsov, V. N. - A vanished art, patterns impressed with teeth on birch bark by the Mansi. p. 53.
- Gusev, V. E. - Songs of the Polish partisans. p. 64.
- Ivanov, M. S. - The agrarian reform in Iran. p. 76.
- Khazanov, A. M. - The religious and magic conception of mirrors among the Surmatians. p. 89.
- Litvinskii, B. A. - Mirrors in the beliefs of the ancient inhabitants of Fergana. p. 97.
- Volchok, B. I. A. - Ethnogenic ties between the Munda people and the Kauravas of the "Mahabharata." p. 105.
- Kwasniewski, K. - Structural-statistical method in the investigation of the present-day national culture. p. 110.
- Tugolukov, V. A. - New information on the peoples in the Lower Yenisey Valley, dealing with the middle of the 19th century. p. 115.
- Kruglova, O. V. - Paintings on wood from the Mezen' Valley. p. 118.
- Bretanitskii, L. S., Mamikonov, L. G., Revazov, U. B. - Lagich. p. 124.
- Loukotka, C. - Material culture of a little-known Indian tribe in the state of Parana, Brazil. p. 134.
- Shpritsman, N. G. - From archival materials on the languages of the Indians in Brazil. p. 139.
- Subchenko, A. I. - Dmitrii Alekseevich Otkerogge, on the occasion of his 80th birthday. p. 141.
- Noemi Grigor'evna Shpritsman; an obituary. p. 145.
- Borozna, N. - Ethnographic study of the Uzbeks of Dashi-Kipchak origin. p. 147.

No. 3, Mar.-Apr. 1965.

Table of contents translated:

- Alekseev, V. P. - The theory of race studies at the Seventh International Congress of Anthropological and Ethnological Sciences. p. 3.
- Kislakov, N. A. - Sirob Tajiks. p. 17.
- Siburova, L. M. - Some characteristics of the social and family life of the Russian population in the Angara Valley during the first years of the Soviet regime, 1919-1929. p. 28.
- Volkova, N. G. - Changes in the national composition of the urban population of Northern Caucasus during the years of the Soviet regime. p. 40.
- Tudorovskaya, E. A. - Classification of fairy tales. p. 57.
- Rysnazarov, N. - Skulls from the burial ground of Ingis. p. 147.
- Masanov, E. A. - New information on V. N. Plotnikov. p. 157.
- Zaborovskaya, I. V. - The collection of Yakut furniture in Em. Iaroslavskii's Yakut Museum of Local Lore. p. 162.
- Dement'eva-Leskimen, A. N. - A trip to the Democratic Republic of Vietnam. p. 166.
- Aleksandrov, V. A., Lavrov, L. I. - M. O. Koaven; on the occasion of his 80th birthday. p. 172.
- Shkharaya, M. S. - A trip to the Socialist Federal Republic of Yugoslavia. p. 174.
- Markova, I. V. - Ethnographical aspects in the historians' reports at the Seventh (Kishinev) Session of the Interrepublican Symposium on the Agrarian History of Eastern Europe. p. 177.
- Gusev, V. E. - The 11th Congress of Yugoslav folklorists. p. 181.
- Tok-kala in the Kara-Kalpak A.S.S.R. p. 67.
- Orizulevich, I. E. - The crisis in the culture and educational systems of the Latin American countries. p. 78.

- Pullanos, A. N. - The place of the Petrolona man among the paleolithic men. p. 91.
- Bizhanov, E. - The neolithic settlement of Churuk on the Ustyurt. p. 100.
- Kyzlasov, L. R. - A new specimen of Yenisei inscriptions. p. 104.
- Vinogradov, A. V., Lopatin, S. V., Mamedov, E. D. - The turquoise from Kyzyl Kum; history of their mining and processing. p. 114.
- Meilik-Pashaiian, K. V. - The life and work of Ervand Lalalan. p. 135.
- Shafranovskaya, T. K. - Treasures of Peter the Great's "Kunstkamera"; according to 18th century drawings. p. 137.

### b. GEOGRAPHY

AKADEMIYA NAUK SSSR. Izvestiya. Seriya geograficheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no. 3, May-June 1965.

Table of contents translated:

- Zubakov, V. A. - Glacial history of Alaska in the light of pleistocene geochronology. p. 3.
- Zenkovich, V. P., Kaplin, P. A. - Submarine geomorphological explorations on the Dalmatian seashore. p. 18.
- L'vovich, M. I. - Water balance and harvest. p. 35.
- Korotkevich, N. I. - Dependence of the harvest in the arid zone on the available soil moisture. p. 48.
- Bulanovskii, M. S. - Balkhash and TII and the possibilities of organizing a large industrial complex in the Lake Balkhash region. p. 53.
- Kistanov, V. V. - Indices of regional specialization and complexity. p. 64.
- Gokhman, V. M., Karpov, L. N., Kovalevskii, V. P. - Problems of water resources development in North America. p. 73.
- Agakhaniants, O. E. - Recent paleogeography of the Pamirs. p. 84.
- Grinval'd, D. I. - Some regularities of the large-scale stream turbulence. p. 89.
- Epifanov, M. I. - Karstic-denudational relief forms of the central and eastern parts of Ustyurt Upland. p. 94.
- Kozyrov, G. M., Shaldurov, V. S. - Vertical zones of the Khibiny Mountains and the fluctuations of the upper forest boundary. p. 101.
- Ferdman, L. I. - Practice in preparing the map of isodes to study the neotectonics of the Noril'sk region of Krasnoyarsk Territory. p. 105.
- Velasko, Carmen, and others. - Preliminary scheme of the economic regionalization of Cuba. p. 110.
- Arzamastseva, L. V. - Important work on the soils of Yugoslavia. p. 119.
- Polezhaev, A. P. - National Council of the U.S.S.R. Cartographers (NCC) and international cooperation of Soviet cartographers. p. 122.
- Blagovolnii, N. and others. - I. S. Shchukin's anniversary. p. 136.
- Velichko, A. A. and others. - K. K. Markov's anniversary. p. 137.
- Neishtadt, M., Kholinskii, N. - Conference on modern ways and methods for the study of bogs. p. 139.
- Pospelov, E. M. - The First All-Union Conference on Toponymy. p. 142.
- Sobolev, L. N. - An interuniversity conference on the geobotanical regionalization of the U.S.S.R. p. 145.
- Barykina, V. V., Isakov, I. U. A. - Conference on the geography of fruit bearing forest trees, shrubs, and groves of berry plants. p. 147.
- I. V. Filippov; obituary. p. 150.

LENINGRAD, ARKTIKESKII I ANTARKTIKESKII NAUCHNO-ISLEDOVATELSKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE. Transactions]. Vol. 273, 1965. Climatology and radiation regime of the Arctic; a collection of articles.

Table of contents translated:

- Prik, Z. M. - Precipitation in the Arctic. p. 5.
- Korotkova, E. D. - Climatic seasons in the Arctic. p. 26.
- Zav'yalova, I. N. - Some information on the severity of the weather in the Arctic. p. 34.
- Zav'yalova, I. N. - Accuracy of deviations of the average monthly amounts of temperature and air pressure from the norms in the Arctic. p. 46.
- Donina, S. M. - Diurnal variation of air temperature in the Arctic. p. 64.
- Chukanin, K. I. - Some synoptic-climatic characteristics of the Arctic. p. 75.
- Fedakova, P. D. - Calculation of winter precipitation in the Arctic. p. 86.
- Dolgin, I. M. - Characteristics of specific and relative humidity in the western sector of the Soviet Arctic. p. 93.
- Gavrilova, L. A. - Characteristics of tropospheric jet streams at high latitudes. p. 100.
- Burova, L. P., Shiposh, N. V. - Average height and temperature of the tropopause at high latitudes. p. 132.

- Kovtova, A. M. - Stability of the atmosphere in the Arctic. p. 142.
- Maishanova, M. S. - Variability of solar radiation in the Arctic. p. 147.
- Chernigovskii, N. T., Timerev, A. A. - Natural illumination in the Arctic and the luminous equivalent of radiation. p. 157.
- Zvereva, S. V. - Depletion of direct solar radiation in the Arctic. p. 164.
- Timerev, A. A. - Total radiation and albedo according to observations from an airplane in the Arctic in 1963. p. 170.
- Kizino, G. I. - Possibility of observing long-wave streams of radiation on the Savinov-Ianisherskii pyrometer in daytime. p. 170.
- Platenkov, B. A. - Radiation balance and radiation changes of temperature in the troposphere of the Antarctic coast. p. 187.

METODY PALEOGEOGRAFICHESKIIH ISSLEDOVANI [METHODS OF PALEOGEOGRAPHICAL STUDIES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1964.

Table of contents translated:

- Bellaevskii, N. A. - Introductory address. p. 3.
- Gramberg, I. B., Spiro, N. S. - Reconstruction of the hydrochemical conditions of ancient sea basins based on geochemical indications. p. 6.
- Teodorovich, G. I. - Reconstruction of the hydrochemical conditions of ancient sea basins based on lithological and geochemical indications. p. 16.
- Popov, V. I. - Power and dynamics of processes circulating in sea basins. p. 45.
- Khain, V. E. - Methods for the determination of the depth of ancient basins. p. 74.
- Grossheim, V. A. - Methods for the reconstruction of currents in fossil basins. p. 84.
- Kotliukov, V. A. - Significance and methods for the reconstruction of the paleorelief of the land of platform areas. p. 96.
- Popov, V. I. - Paleogeographic reconstruction of land plains and land elevations and their indications. p. 109.
- Kazarihov, V. P. - Reconstruction of physicogeographical conditions of ancient land based on lithological indications. p. 145.
- Gekker, R. F., Osipova, A. I. - Full-value use and illustration of biotic data on paleogeographical maps. p. 152.
- Rudchenko, G. P. - Criteria and the methods of paleogeographic reconstructions of previous conditions in ancient land areas based on paleontological data. p. 167.
- Vakhranov, V. A. - Role of ancient plants in the reconstruction of physicogeographical, especially climatic conditions of the geological past. p. 184.
- Elmor, O. L. - Problems of biogeography in the paleogeographical atlas of the U.S.S.R. p. 192.
- Kiramanov, A. N. - Paleomagnetic studies in the field of paleogeography. p. 207.
- Nalivkin, V. D., Khain, V. E. - Methods for plotting paleotectonic maps. p. 215.
- Splzharskii, T. N., Gromov, I. U. A. - Paleotectonic maps and the methods for plotting them. p. 229.
- Discussions. p. 248.

OKEANOLOGIYA [OCEANOLOGY]. Issued by Okeanograficheskaya komissiya Akademii nauk SSSR [Oceanographic Commission of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 2, 1965.

Table of contents translated:

- Bruevich, S. V. - Salt composition of the water of the world ocean and its changes in time. p. 103.
- Bellaeva, I. P. - Calculation of tangential wind stress in different thermic stratification. p. 208.
- Smirnov, N. P., Maksimov, I. V. - Study of the causes of variations in the activity of the Gulf Stream over a period of several years. p. 210.
- Khannichenko, N. K., Khlyatov, N. Z., Zhidkov, V. G. - System of equatorial countercurrents of the Atlantic Ocean. p. 222.
- Karavaeva, V. I., Radzikhovskaya, M. A. - Volumes of basic water masses of the northern part of the Pacific Ocean. p. 230.
- Neiman, V. G., Koshilakov, M. N. - Some results of measurements and calculations of zonal currents in the equatorial region of the Pacific Ocean. p. 235.
- Gudkovich, Z. M., Nikiforov, E. G. - Some important characteristics of the formation of water density anomalies and their effects on ice and hydrologic conditions in the Arctic basin and bordering seas. p. 250.
- Dem'ianov, N. I., Nikitin, M. M. - Deep currents of the Arctic basin. p. 261.
- Sabinin, K. D., Shulepov, V. A. - Short-period internal waves of the Norwegian Sea. p. 264.
- Zaitsev, G. N. - Some regularities of variations in the level and salinity of the northern part of the Caspian Sea over a period of several years. p. 270.
- Bogdanov, I. U. A. - Suspended organic matter in the waters of the Pacific Ocean. p. 286.
- Gershanovich, D. E. - New data on the accumulation of organic matter in the recent sediments of the northernmost part of the Pacific Ocean. p. 298.

- Saf'lanov, G.A. - Abrasive action of debris material in the coastal zone. p. 304.
- Spataru, A. - Some features of the morphology and dynamics of the Rumanian coastal area of the Black Sea. p. 311.
- Orylku, Kaarel K. - Accumulation of boulders on the seacoasts of Estonia. p. 316.
- Babkov, A.I. - Causes of the appearance of smoothed stretches and patches on the sea surface. p. 322.
- Koblenst-Mishke, O.I. - Amount of primary production of the Pacific Ocean. p. 325.
- Shuvalov, V.S. - Seasonal variability in size and characteristics of the biology of Oithona sinuata Claus (Copepoda, Cyclopoida) in the White Sea (Kandalaksha Bay). p. 338.
- Vozzhinskaya, V.B. - Distribution of algae near the shores of western Kamchatka. p. 348.
- Zelina, O.N. - Distribution of a deep-sea species of Brachiopoda, *Pelagodiscus atlanticus* (King). p. 364.
- Fedorova, V.N., Nedoshiv, O.A. - Selection of a formula for the speed of sound in the mass mechanized processing of materials of deep-sea hydrologic observations. p. 359.
- Esklin, F.I. - A new method of setting up Graaf's marigraph from high-board vessels. p. 363.
- Bogdanov, I.U.A., Ovchinnikova, L.I. - Methodology of determining bituminous substances in suspension. p. 366.
- Feldman, G.E. - The U.S. National Aquarium. p. 372.
- Rakevich, L.I. - Study of waves in the U.S.A. p. 373.
- Ovchinnikov, I.M. - Sixth Mediterranean Expedition on the research ship "Academician Sergei Vavilov". p. 373.
- Chernov, A.A. - An aluminum submarine. p. 378.
- Bruevich, S.V. - "Hydrochemistry of the Bering Sea" by V.N. Ivanenko. p. 380.
- In memory of Georgii Konstantinovich Izhevskii p. 382.
- REFERATIVNYI ZHURNAL GEOGRAFIYA [JOURNAL OF ABSTRACTS GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- VOKRUG SVETA [AROUND THE WORLD]. Issued by Tsentralnyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 6-7, June-July 1965.
- VOPROSY GEOGRAFI [PROBLEMS OF GEOGRAPHY]. Published by Moskovskii filial Geograficheskogo obshchestva SSSR [Moscow Chapter of the Geographical Society of the U.S.S.R.]. Moscow, no. 66, 1965.
- Cities of the world.
- Table of contents translated:
- Maergolts, I. N. N. Baranskii and Soviet urban geography. p. 3.
- Davidovich, V.G. - Regularities and tendencies of urban distribution in the U.S.S.R. p. 6.
- Khorev, D.S. - Study of the functional structure of urban settlements in connection with their economic and geographical types. p. 34.
- Maergolts, I.M., Pivovarov, I.U. - Main problems of changes in the character of the urban system in some socialist countries of Europe. p. 59.
- Lappo, G.M. - Urbanization in the capitalist countries of Western Europe. p. 76.
- Bocharov, I.U.P. - Some problems of urban development in Japan. p. 104.
- Bonifat'eva, L.I. - Some characteristics of the urban system in the southern and southeastern countries of Asia. p. 118.
- Varlamov, V.S. - Quantitative evaluation of economic and geographical condition of cities. p. 130.
- Khal'chich, O.A. - Some characteristics of passenger traffic between the large cities of the U.S.S.R. p. 141.
- Kolosova, I.U.A. - Growth tendencies of small towns in the U.S.A. p. 153.
- Karpov, L. - Characteristics of urban growth in the newly developing industrial regions of Canada. p. 168.
- Pot'skaya, M. - Work of British urbanists. p. 184.
- Kruglikov, A.G. - Extra-large cities and urban agglomerations of the world in 1959-1961. p. 197.
- c. GEOLOGY & PALEONTOLOGY
- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestia. Seriya geologo-geograficheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Geological and Geographical Sciences]. Baku, no. 1, 1964.
- Table of contents translated:
- Asadullaev, E.M. - Materials on the biometric study of the Caspian Quaternary mollusks of the genus *Didacna* Eichwald. p. 3.
- Movlaze, E.Z. - Fresh-water elements in the Sarmatian fauna on Molladag in the Kura and Iori interfluve (western Azerbaijan). p. 11.
- Bashirov, I.A.M. - Change of the quality of Balakhany oils in the southern submergence of the Fat'man-Zykh anticline zone. p. 19.
- Musellbov, K.I. - Mineralization stages of the Mekhmana complex metal deposit. p. 27.
- Azizbekov, R.Sh. - Petrochemical characteristics of dike formations in granite-syenite intrusions of the Mogri-Ordubad batholith. p. 35.
- Mamedov, A.D. - Asadkyaf Stratovolcano. p. 41.
- Kadymov, O.D. - Oxidation zone of the Paragachay copper-molybdenum deposit. p. 45.
- Balakishieva, B.A. - Quantitative spectral determination of In, Ga, Ge, Ti, and Ag in minerals and rocks. p. 49.
- Minzberg, L.V., Kalantarov, A.I. - Reservoir properties of rocks in the Kirmaki series of the Buzovny area and their dependence on a series of factors. p. 57.
- Gabuzov, G.G. - Analytic method for determining the well bottom temperature during the circulation of drilling fluid in a borehole. p. 63.
- Sadykov, I.U.V., Salamov, M.I.U., Fradkin, A.B. - Analysis of the work of bits worn-out in electric drilling. p. 71.
- Grigor'yan, N.A., Mdivani, A.G., Suleimanov, T. Kh. - Effect of the deflection of a turbine drill on the possible increase of the deviation angle when drilling with an eccentric nipple. p. 79.
- Asadullaeva, N.N. - Applicability of the Bachinskii equation of state to normal alkanes in a liquid state. p. 85.
- Mardanov, I.E. - Geomorphological conditions governing the formation of mudflow in the Damira-paranchay basin. p. 95.
- Gadzhev, G.A. - Radiation balance of cotton fields in the Azerbaijan S.S.R. in the vegetation period. p. 103.
- Abakarov, M.I. - Factors affecting changes in the Caspian Sea level. p. 111.
- Zaidova, S.L. - History of the study of the representatives of fossil Erinacidae in Azerbaijan and the U.S.S.R. p. 119.
- No. 5, 1964
- Table of contents translated:
- Pukkarade, A.L. - Some problems of the paleogeography and geotectonic development of the Baku Archipelago in the Pliocene and Quaternary. p. 3.
- Ismailov, K.A., Mirzoev, M.N. - Nature of the change in the composition of the brine waters according to the cross section of the producing layer of the Kyrovdag and Mishovdag fields (Kura Lowland). p. 13.
- Iusifov, R.U. - Prospects for finding oil and gas in Tertiary sediments in the boundaries of the Bozdag Range. p. 23.
- Alizade, K.A., Babaev, A. Kh. - Akechagly' sediments in the Samur-Kusarчай interfluve. p. 31.
- Pronina, M.T. - New species of the genus *Bolivina* in the Miocene sediments of the Nakhichevan A.S.S.R. p. 39.
- Kuznetsov, V.P. - Earthquakes from a surface focus in Sungait on December 12, 1959 and July 1, 1962. p. 47.
- Azadalev, Dzh.A. - Epidiosites of the South Dashkesan iron ore deposit. p. 55.
- Ismail-Zade, A.D., Mustafae, F.A. - Zeolites of the Talys Mountains. p. 65.
- Gasnov, R.K. - Igneous activity in the Shakhdag Range (Lesser Caucasus). p. 71.
- Babany, V.I.U. - Effect of hydraulic fracturing and an impermeable septum on the productivity of wells in a nonuniform bed. p. 81.
- Bagdany, E.A., Gurbanov, R.S., Zeynatov, T.A. - Variations in the temperature regime of the 1st horizon of a producing formation in the Kyrovdag oil field. p. 87.
- Musaev, R.A., Babaljan G.A., Kravchenko, I.I. - Effect of hydrocarbon soluble surfactants on surface tension. p. 97.
- Mamedov, R.G. - Inter-regional soap production links of the Kirovabad industrial unit. p. 103.
- Akhundov, U. Kh. - Experimental determination of the length of beginning and terminal sections in turbulent flow. p. 107.
- Khalimbekov, B.M. - Relative effectiveness of drilling methods in the Yuzhnosukhokumsk area. p. 113.
- Mirzoev, P.S. - Data on the transition of air temperature through 5° and 10° and the sum of temperatures in this period in the Nakhichevan A.S.S.R. p. 117.
- Mamedov, S.B. - Cotton productivity and its dependence on weather conditions. p. 125.
- Gadzhev, G.A. - Distribution of air humidity in the cotton regions of the Azerbaijan A.S.S.R. p. 131.
- Gadzhibekov, N.G. - Maximum runoff of the spring and summer floods in rivers in the northeastern part of the Lesser Caucasus. p. 139.
- Reifman, R.L. - Cloudiness and total radiation above the Southern Caspian. p. 143.
- Mamedov, I.G. - Effect of storm winds on sea level fluctuation. p. 147.
- Khalilov, A.I. - Characteristics of the development of the Caspian coasts during a period of relative sea-level stability. p. 153.
- AKADEMIYA NAUK KAZAKHSTANSKOI SSR, Alma-Ata. Izvestia. Seriya geologicheskaya [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Geological Series]. Alma-Ata, vol. 22, no. 1, Jan.-Feb. 1965.
- Table of contents translated:
- Abdulin, A. A. - Studying the greenstone zones of the Mugdzhazhar Hills. p. 3.
- Desnolov, P.F. - Alpine tectonics of southern Kazakhstan. p. 8.
- Danilov, I.U.S., Pankratova, N.L. - Pre-Cambrian zircon-rutile placers of the Kokchelay anticlinorium (northern Kazakhstan). p. 21.
- Bandalatov, S.M., and others - Upper Ordovician and Lower Silurian sediments in the Akdombak Mountain region of the Chingiztau (central Kazakhstan). p. 35.
- Akmanetova, N.V. - Petrochemical characteristics of the volcanogenic rocks of the Kaldau'skala series in the northwestern cis-Chingiztau region. p. 45.
- Nurlybayev, A.N., Monich, V.K., Panchenko, A.G. - New data on the geology of the Kubasadyr Massif of alkali rocks. p. 57.
- Pentalakha, E.I. - "Mylonitization" of barites as an index of the intensity of mineral deformations in the Uspenskoye copper deposit. p. 62.
- Syromiatnikov, N.G., Trofimova, L.A. - Studying a way for finding uranium in fluorapatite by the method of phase dynamic leaching. p. 75.
- Il'yushchenko, N.P. - Arsenic as a geochemical indicator in prospecting for copper-skarn ore bodies. p. 85.
- Abdulin, A. A., Zhaparkhanov, S. Zh. - K.I. Sapaev Geological Institute of the Academy of Sciences of the Kazakh S.S.R. (brief results of scientific activities). p. 93.
- \*AKADEMIYA NAUK SSSR, Izvestia. Seriya geologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series]. Moscow, vol. 30, no. 5, May 1965.
- Table of contents translated:
- Raaben, V.F. - Conditions governing oil and gas accumulation in the Paleozoic of the Volga-Ural region. p. 3.
- Stroin, K.M. - Genesis of pegmatites. p. 25.
- Zelenov, K.K. - Aluminum and titanium in the crater lake of the Kava Ijen Volcano (Indonesia). p. 32.
- Suvorov, A.I., Samygin, S.G. - Tectonic convergence of facies through powerful thrusts. p. 46.
- Leites, A.M. - Boundaries and characteristics of the development of the western part of the Aldan Shield. p. 65.
- Velichkin, V.I. - Characteristics of the Lower Paleozoic history of the geological development in the northeastern part of the Kokchelay anticlinorium (northern Kazakhstan). p. 80.
- Aver'yanova, V.N. - Some characteristics of seismotectonics in the Far East. p. 93.
- Leven, E.I.A., Kafarskii, A. Kh. - Age of effusive and terrigenous formations in the northern Pamirs. p. 115.
- Gladkov, I.U.B. - Alloy series of Kamchatka. p. 121.
- Raznitsyn, V.A. - Age of the Kisloucheykaya suite of the Riphean folded basement in the Timan Range. p. 129.
- Vol. 30, no. 6, June 1965.
- Table of contents translated:
- Ovchinnikov, L.N. - Aspects and methods for studying endogenic ore formations. p. 3.
- Pollakov, A.I., Kostetskaya, E.V. - Polikilitic sodalite syenites of the Lovozero alkali tundra, some problems in petrology and geochemistry. p. 16.
- Petersile, I.A., Andreeva, E.D., Sveshnikova, E.V. - Organic matter in the rocks of some alkali massifs in Siberia. p. 26.
- Khoreva, B.A. - Age of metamorphic rocks in the Kurchum-Kal'dzhir watershed (southeastern part of the Irtys shear zone). p. 39.
- Bogdanov, N.A. - Tectonic development in Japan and Sakhalin in the Paleozoic. p. 51.
- Baranov, G.I., Chernov, I.I. - New data on the structure of the main range of the central Caucasus. p. 64.
- Tuluzakova, E.V. - Interpretation of magnetic anomalies in the northwestern part of the Altai-Sayan fold area. p. 72.
- Ketter, D.M., Pokrovskaya, N.V. - New data on the age of phosphorites in the Karaau. p. 78.
- Gor', I.U.G., Gurevich, A.D., Sheshlegova, L.I. - Analogues of the Kuznetsk series in the Noril'sk region. p. 92.
- Egorov, O.N. - Some characteristics of the chemistry and distribution of carbonated waters in the Trussov ravine of the Caucasus. p. 95.

- ABSTRACTS OF THE LITERATURE OF GEOPHYSICS**
- GEOPHYSICAL ASPECTS OF THE TATAR ARCH**. Issued by Akademika Nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, no. 89, 1963.
- Table of contents translated:**
- Lukatskiy, V.I. - Inherited and superimposed structures of Kamchatka and their role in the distribution of volcanoes. p. 7
- Pashchenko, I.M. - Outline of the structure and development of the Aleutian-Alaska tectonic zone. p. 23
- Pashchenko, I.M., Melnikova, E.N. - Characteristics of the tectonic structure of the Californian Cenozoic folded zone. p. 55
- Gaidarov, Yu.B. - Ophiolite formations in the lower reaches of the Khatanga River (Koryak upland). p. 121
- ABSTRACTS OF THE LITERATURE OF GEOPHYSICS**. Issued by Akademika Nauk SSSR [Academy of Sciences of the U.S.S.R.], Kazan Branch, Bulletin, Series "The Geological Sciences". Kazan, no. 10, 1963.
- Table of contents translated:**
- Urazov, I.M., Salikhov, A.G. - Geomagnetic field of Tatarstan and methods for the interpretation of Z<sub>a</sub> and H<sub>a</sub> anomalies using tomography. p. 3
- Salikhov, A.G., Zharkova, L.A., Kuznetsov, G.E. - Fast method for the determination of the elements of occurrence and the gravity effect of disturbing masses having the form of a bench. p. 18
- Zharava, L.A. - Solution of the direct and inverse problem of gravimetry bodies close in form to the morphological elements of sedimentary formation and basement. p. 27
- Tal'khin, M. - Methods for the interpretation of magnetic field induction data under conditions in northwestern Tatarstan. p. 32
- Salikhov, A.G., Zharkova, L.A. - Methods for the calculation of the gravity effect of the nonuniform structure of the upper layers of sedimentary formations. p. 39
- Salikhov, A.G. - Interpretation of the anomalies of the gravitational and detailed gravity surveys. p. 46
- Urazov, I.M. - Methods for the calculation of electrostatic force originated in the contact of sulfide ore bodies and enclosing rocks as revealed by a study in the Cajon mine in Caranca (Mexico). p. 52
- Urazov, I.M. - Methods of allowing for corrections for the distant zone when converting Z<sub>a</sub> into H<sub>a</sub>. p. 53
- Dobson, D.B. - Some problems in the quantitative interpretation of the anomalies of a gravity field. p. 65
- Salikhov, A.G., Urazov, I.M., Ilusov, B.M. - Geophysical characteristics of the northwestern regions of the Tatar A.S.S.R. in connection with planning oil and gas prospecting. p. 69
- Kozetskiy, G.E. - Some results of gravity and magnetic studies in the central part of the Kama Valley in the Tatar A.S.S.R. p. 77
- Egratov, N.S. - Some results of the quantitative interpretation of gravity anomalies in the western slope of the southern dome in the Tatar Arch. p. 82
- Zubkov, V.L. - Some data on the regional change in the velocity of the propagation of elastic waves in the deposits of sedimentary cover in Tatarstan. p. 87
- Zubkov, V.L. - Results of studying the velocity of the propagation of elastic waves in the rocks of crystalline basement in the Tatar A.S.S.R. p. 96
- Urazov, I.M. - Distribution of natural electric field on the earth's surface depending on the mineral composition of ore bodies. p. 102
- Kasimov, R.S. - Dependence of self-potentials ( $U_{sp}$ ) in wells on the oil saturation of terrigenous rocks in Tatarstan. p. 107
- Kharasova, R.Sh. - Interpretation of the apparatus  $\gamma$ -spectra of the natural radiation of rocks for separated determination of the content of elements in the U-Th series and K<sub>40</sub>. p. 117
- Kharasova, R.Sh. - Possibility of using a luminescence counter for the spectroscopy of the natural  $\gamma$ -radiation of rocks. p. 120
- Egratov, N.S. - Study of the subsurface structure of the northern dome of the Tatar Arch based on aeromagnetic surveying. p. 126
- Solontsov, L.F. - Concerning the revision of the stratigraphic scale of Late Pre-Cambrian sediments in the central and eastern areas of the Russian Platform. p. 130
- Salikhov, A.G., Zharkova, L.A., Kuznetsov, G.E. - Interpretation of the materials of detailed gravimetric surveying in Tatarstan. p. 144
- Salikhov, A.G. - Abyssal structure of the basement of the northern regions of Tatarstan and prospecting methods for local structures based on the materials of detailed and high-precision gravity prospecting. p. 151
- \* **GEOKHIMIA (GEOCHEMISTRY)**. Issued by Akademia Nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, no. 2, Feb. 1965.
- Table of contents translated:**
- Ronov, A.B., Migdisov, A.A. - Basic features of the geochemistry of hydrolyzate-elements in weathering and sedimentation processes. p. 131
- Razin, L.V., Khvostova, V.P., Novikov, V.A. - Metals of the platinum group in rock forming and accessory minerals of ultrabasic rocks. p. 159
- Sotin, V.I., Izumova, L.G. - Tungsten content in granites of lyphons of the Gornyy Altai characterized by varying ore content. p. 176
- Kashit, S.A. - Replacement of quartz with calcite in sedimentary rocks. p. 180
- Mangsta, S.M., Drozdov, T.V., Kravtsova, K.P. - Forms of germanium compounds with organic matter of coal. p. 188
- Polikarpovich, V.V., and others. - Relationship between the liquid and solid phases of stau flux. p. 188
- Dement'ev, V.S., Syromiatnikov, N.G. - Forms of the occurrence of thorium isotopes in ground waters. p. 211
- Gerling, E.K., and others. - Study of the suitability of amphiboles for the determination of the absolute age of rocks by the potassium argon method. p. 219
- Mishchenko, V.S. - Experimental mathematical study of the problem concerning the optimum area of granulite sampling during the study of their accessory minerals. p. 227
- Kornilov, M.A., Karpan, G.A. - Strontium in the Kimmeridge iron-ore deposits of the Azov and Black Sea Basin. p. 241
- Tugarinov, A.I., Zykov, S.I., Kaplenko, S.F. - Absolute age of the Saksgagan plagioclase granites in the Krivoy Rog Basin. p. 245
- Aleksandr Aleksandrovich Saukov, obituary. p. 248
- GEOLOGICHESKIY ZHURNAL (GEOLOGICAL JOURNAL)**. Issued by Vsesoyuznyy nauchno issledovatel'skiy tsentr nauki i tekhnologii Akademii Nauk SSSR and Derzhavnyi vyrobnychiy geologicheskii komitet USSR [Department of Earth Sciences and Space of the Academy of Sciences of the Ukrainian S.S.R. and the State Institute Geological Committee of the Ukrainian S.S.R.]. Kiev, vol. 25, no. 2, 1965.
- Table of contents translated:**
- Havrish, V.K., Balukhovskiy, N.F. - Trends and methods of prospecting for oil and other minerals in the southern margin of the Dnieper-Donets Lowland. p. 3
- Epalko, I.U.M., Mel'nyk, I.U.P. - Some experimental and theoretical data on the formation of goethite and hematite in the weathering surface of the Krivoy Rog iron ore basin. p. 12
- Khmaruk, T.H. - Aluminiferous gneisses in the Tokmak basin. p. 22
- Nosovskiy, M.F., Pasichnyi, I.V. - Oligocene and Miocene boundary layers in the Black Sea Depression. p. 36
- Bobalets, O.T. - New data on Upper Cretaceous sediments in the Sivash region. p. 45
- Donchenko, K.B. - Prospects for finding commercial potassium salt deposits in the cis-Carpathian region. Hurzhil, D.V., Koltun, V.I. - Upper Cretaceous siliceous rocks in the surroundings of Rava-Russkaya. p. 57
- Zenina, S.M. - Morphometric analysis of the characteristics of the relief division of the Boyko Massif in the Crimea. p. 63
- Lytyyn, O.L. - X-ray characteristics of potassic feldspar from granulites in the Gornyy Tiklich Valley. p. 88
- Ladileva, V.D. - Stipnomelane of the Belozerkia region. p. 73
- Naumenko, V.V. - Distribution of chemical elements in limestone. p. 77
- Alekseiev, I.U.M., Korshahin, V.L. - Characteristics of the mineralogical and chemical composition of clays useful for the production of keramzit. p. 80
- Rozanskiy, A.F. - Hydrogeological regionalization of the cis-Carpathian region and some problems in the utilization of underground waters for water supply. p. 83
- Karlo, M.M. - Elements of the structural relief of the eastern part of the western Donets Basin. p. 89
- Dyakov, F.M. - New data on the relationship between the sea of the Dnieper-Donets and Black Sea depressions across the Konka-Valy trough. p. 92
- Didkovskiy, V.I.A., and others. - Work of the geological team during the 10th voyage of the research ship "Mikhail Lomonosov." p. 97
- Bukatchuk, P.D. - Remarks concerning rocks in the Northern Bukovina Carpathians not commonly found in the Rakhor flysch. p. 100
- Ooshin, H.D. - Foreign copper mineralization in the Ukrainian Carpathians. p. 102
- Iermakov, I.U.H. - Basalto-tectonic sharp in the eastern part of the Black Sea region. p. 103
- Petrov, R.P., Danekov, B.H., Onoprienko, M.I. - Some remarks on the stratigraphic scale of the Greater Krivoy Rog Basin. p. 105
- Venitskiy, I.V. - Colloquium on the micropaleontology of the Stratigraphic Commission of the Carpathian-Balkan Geological Association. p. 113
- Lobidi, N.I. - Technological conference of the workers of the topogenic service of the Main Geological Prospecting Administration of the Ukrainian S.S.R. p. 114
- \* **GEOLOGIYA I GEOFIZIKA (GEOLOGY AND GEOPHYSICS)**. Issued by Sibiriyskoe otdelenie Akademii Nauk SSSR [Siberian branch of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 12, 1963.
- Table of contents translated:**
- Foladi, E.E., Molodtsov, F.S. - Basic characteristics of tectonic pattern of Siberia and the Far East in the light of geological and geophysical data. p. 3
- Zverev, L.N. - Routes of the transportation of material in the conditions governing the accumulation of alluviums in the inner field of the Irkutsk amphitheatre. p. 22
- Zhaiikov, T.M. - Petrography and mineralogy of rock salts in the southwestern part of the Siberian Platform in connection with their potassium potential. p. 20
- Bikienina, D.A. - Bitumens of the Kuminsk (Buzuluk) series in the southern slope of the Anabar anticline in Yakutia. p. 36
- Dubov, R.I. - Concentration of chemical elements in dispersion media. p. 44
- Lapukhov, A.S. - Characteristic of the structure of the dynamometamorphism of rocks and ores in the Saitir ore zone. p. 46
- Doglaniovich, V.A. - Structural control of gold mineralization in the Sovetskoye deposit. p. 74
- Sergeev, K.F. - Some problems of the petrology of the Central intrusive massifs in Paramushir Island. p. 82
- Kudriavtsev, N.A. - Diagnostics of oil producing series. p. 95
- Kovalovskiy, G.L. - Methods of shifting about points for the study of faulting. p. 100
- Kesel'man, S.I. - Effect of the distortion of the length of lines of geographical maps on the results of geophysical calculations. p. 118
- Mitropol'skiy, A.S., Andrichenko, A.M. - Recent tectonic movements in the Eastern Sayan Mountains. p. 112
- Biznichenko, S.I., Kraenova, I.I.A. - Spores and pollen in the oils of the West Siberian Plain. p. 116
- Oll, I.A. - Use of luminescent microscopy for determination of epigenetic and syngenetic bituminosity of rocks. p. 119
- Unov, A.I.U. - Role of the South Aldan re-entering angle and the ancient faults related to it in the development of structures in the southeastern part of the Siberian Platform. p. 123
- Globa, V.A., Gordienko, T.V., Shmurov, A.P. - Hydrothermal manifestations in the Jurassic sediments of the Eastern Sayan Mountains. p. 127
- Chalka, V.M., and others. - Detrital accessories and the petrogenesis of granites in the Yenisey Range. p. 134
- Zinov'ev, V.I. - Determination of the composition of plagioclase based on the results of the chemical analysis of igneous rocks. p. 140
- All-Union Conference on the Study of the Quaternary Period. p. 145
- No. 1, 1965.
- Table of contents translated:**
- Plinus, G.V. - Tectonic position of Caledonian ultrabasic belts in the south of Siberia and adjacent areas. p. 3
- Livshits, M.Kh. - Physical state of the abyssal matter of the earth's crust and upper mantle in the Kurile Island region of the Pacific belt. p. 11
- Borovikov, L.I., Spitzarskiy, T.N. - Principles of the division and correlation of Pro-Cambrian sediments. p. 21
- Bulyginov, S.P., Klimova, I.G. - Biostratigraphy of Valanginian and Lower Hauterlivian marine sediments in the West Siberian Plain. p. 30
- Nikol'skaya, I.U.P., Kolosov, A.S. - Indications of potassium potential in the south of the Siberian Platform. p. 43

- Krylov, S. V., Surkov, V. S., Mishen'kina, E. R. - Crustal structure in the southern part of the West Siberian Plain. p. 62.
- Got'din, S. V. - Probabilities of false amplitude expansion and false synphase axes. p. 73.
- Mitropol'skii, A. S. - Metamorphism of rocks and the conditions governing the formation of alkali metamorphites in the Uymen' Depression of the Gornyy Altai. p. 92.
- Brovov, G. N., Gratzler, M. I., Mogilev, A. E. - Conditions governing the accumulation of Lower Carboniferous sediments in the eastern part of the Sayan-Altai area. p. 106.
- Krasilov, V. A. - Stratigraphy and fossil flora of Lower Cretaceous sediments in the Suyfun coal basin. p. 124.
- Berzin, N. A., Semikhatov, M. A. - Facies changes of Upper Pre-Cambrian sediments in the northern part of the Eastern Sayan anticlinorium. p. 132.
- Makhnev, L. V. - Relationship between the concepts "intrusive" and "magmatic" as revealed by a study of Pre-Cambrian porphyrylike granites in the Taymyr Island. p. 143.
- Kuznetsov, G. F. - Method for the automatic interpretation of complex magnetic anomalies. p. 151.
- Ivanova, E. F. - Adherent Foraminifera from Valanginian sediments in the Boyarka Valley (Khatanga Depression). p. 160.
- Zol'nikov, G. V., Marshintsev, V. K. - Lamellar calcite from the "Mir" pipe. p. 165.
- Nalivkina, E. B. - Keralophyre-epilite formation in the Southern Yenisey Range and the possible nature of the Kasskaya Magnetic Anomaly. p. 169.
- Futergendler, S. I. - Overgrowth of rutile by diamond crystals. p. 172.
- Zhakovskii, N. D., TSibul'chik, G. M., TSibul'chik, I. D. - Hodographs of seismic waves and the thickness of the earth's crust in the Altai-Sayan fold area based on data obtained by recording industrial explosions and local earthquakes. p. 173.
- No 3, 1965
- Table of contents translated:
- Krendelef, F. P. - Prospects for finding ancient metallogenic conglomerates in Siberia. p. 3.
- Radkevich, E. A., Usenko, S. F., Chebotarov, M. V. - Relation of tin and gold mineralization to the main structural elements in the southern part of the Far East. p. 26.
- Kirkinakii, V. A. - Effect of pressure on isomorphic miscibility. p. 39.
- Rodigin, A. I., Vyltsan, I. A. - Tectonic-denudation interval within the "metamorphic aeries" of the Bashkaus-Culyshman interfluvium (Gornyy Altai). p. 51.
- Volkov, V. V. - Correlation of volcanic and sedimentary facies in Cambrian cross sections in the transition zone of the Kalun' anticlinorium in the direction of the Any-Chuya synclinorium (Gornyy Altai). p. 62.
- Chikov, B. M. - Tectonics of the Okhotsk central massif. p. 72.
- Pachkov, E. P., Fedoseev, G. S. - Structure of the Shindinskii pluton (Eastern Sayan) according to geological and geophysical data. p. 84.
- Dobretsev, A. P. - Study of the material composition of the ultrabasic layer of the earth on the basis of studying ultrabasic rocks containing pyrope in kimberlites. p. 99.
- Obolentseva, I. R. - Characteristics of wave hodographs in media with varying velocities divided by a vertical boundary. p. 115.
- Pshennikov, K. V., Borovik, N. S. - Some characteristics of the formation of an epicentral zone of aftershocks. p. 128.
- Frolov, V. Kh. - Method for using calculation data for the graphic interpretation of the curves of electric sounding. p. 132.
- Kefelt, A. S. - Study of circum-well space using the method of forward waves. p. 140.
- Vasil'ev, V. G. - Optimal filtration of a random aggregate of strata unlimited along the strike and vertical. p. 146.
- Zavarzin, L. G., Chernysheva, N. E. - New data on the Cambrian of the Yenisey Range. p. 148.
- Sidiachenko, A. I., Kanygin, A. V. - Stratigraphy of Ordovician sediments in the Omulevka Mountains (northeast of the U.S.S.R.). p. 151.
- Penksova, V. V. - New finds of Quaternary mammal fauna in the Chulyma Valley. p. 156.
- Volkova, M. A. - Genesis of the hydrosulfur chloride calcium-sodium springs in the middle Lower Tunguska basin. p. 158.
- Skobelin, E. A. - Methods for compiling lithologic maps. p. 164.
- Saprykin, E. P. - Effect of structural factors on mineralization zoning in the tin ore deposits of the Kavalerovo region. p. 169.
- Seminskii, Zh. V. - Tectonics of the western slopes of the Akilun Range (northwestern Lake Baikal region). p. 172.
- Antonov, I. U. N., Doll'nitsyn, E. F., Kharavskii, V. M. - Device for the quantitative determination of radiogenic argon in rocks and minerals. p. 175.
- Delousov, A. F., Velinskii, V. V., Kochkin, I. U. N. - Plagioclases in the basalt effusives of the Upper Proterozoic and Cambrian in the Altai and Salair Range. p. 183.
- GEOTEKTONIKA [GEOTECTONICS]. Issued by Akademia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, May-June 1965.
- Table of contents translated
- Borisov, A. A. - Geophysical characteristics of platform areas. p. 3.
- Nalivkin, V. D. - Classification of tectonic structures. p. 14.
- Ulland, A. K. - Tectonics and the history of the development of the northeastern end of the Palmyrides (Syria). p. 20.
- Kudin, N. I. A. - Structural characteristics and prospects for finding oil and gas in the Mesozoic sediments of southern Kazakhstan. p. 37.
- Filatova, I. I., Bush, V. A. - Hercynian geosynclinal structures of the Dzungarian Alatau. p. 46.
- Somin, M. L. - Some characteristics of the relations between igneous activity and the tectonics of the crystalline core in the main range of the Greater Caucasus. p. 61.
- Lishnevskii, E. N. - Active role of granite intrusions in the process of the formation of mountains. p. 77.
- Aver'ianova, V. N. - General characteristics in strain directions operating in the focuses of earthquakes in the Kurile-Kamchatka seismic region. p. 83.
- Kislakov, I. A. M. - Origin of ancient valleys in the beds of the Late Mesozoic depressions in the Mongolia-Okhotsk belt. p. 99.
- LITOLOGIYA I POLEZNYE ISKOPALMYE [LITHOLOGY AND MINERAL RESOURCES]. Issued by Akademia nauk SSSR and Gosudarstvennyi geologicheskii komitet SSSR [Academy of Sciences of the U.S.S.R. and the State Geological Committee of the U.S.S.R.]. Moscow, no. 2, Mar.-Apr. 1965.
- Table of contents translated:
- Botvinkina, L. N. - Textural analysis and the prospects for its development. p. 5.
- Shamrai, I. A. - Siliceous rocks from the southeastern part of the Russian Platform and the conditions governing their formation. p. 10.
- Iudin, I. I. - Phosphorite potential of Pre-Cambrian sediments in the southeastern part of the Tuva A.S.S.R. p. 28.
- Litvinenko, A. U. - Study of glauconites. p. 38.
- Sokolov, A. S. - Genesis of native sulfur deposits. p. 51.
- Chukhrov, F. V., and others. - Smythite from iron ore sediments in the Kerch Peninsula. p. 60.
- Karpova, G. V., Shevchukova, E. P. - Epigenetic alterations in the clay matter of terrigenous Carboniferous sediments in the Dnieper-Donets Lowland. p. 70.
- Reznikov, I. P. - Genesis of the Udokan deposit. p. 85.
- Golovin, E. A. - Two groups of exogenetic processes and uranium deposits. p. 95.
- Sozinov, N. A. - Concretions containing uranium. p. 104.
- Lebedeva, N. V., Sakharova, E. I. - Bedding of sand ridges in river channels. p. 113.
- Larskii, E. S. - Mesozoic and Cenozoic clay rocks containing carbonates in the western Caucasus and the paleoclimatic conditions governing their accumulation. p. 123.
- Kapchenko, L. N. - Hypothesis concerning the concentration of sedimentary-cover abyssal caused by the removal of water molecules from solutions. p. 134.
- Aksenov, A. A. - Some results of the study of the recent facies in the littoral zone of the sea. p. 141.
- Nechaev, I. U. A. - Lithological complexes of Shoshma sediments in the Ural Mountain region of Perm Province and their copper potential. p. 154.
- Lazarenko, I. U. N. - Some characteristics of the distribution of sedimentary iron ores in the Ukraine. p. 157.
- Bezhaov, M. M. - Lithological composition of continental coal-bearing sediments in the eastern slope of the Urals. p. 161.
- Pokrovskii, I. U. V. - Explosive siliceous breccias in the Paleozoic sediments of the Southern Urals. p. 164.
- Shirokov, A. Z., Sedenko, S. M. - Germanium in the main types of sedimentary rocks. p. 167.
- Raltford, T. S. M., TSareva, A. M. - Distribution of clay minerals according to fractions in sedimentary rocks. p. 172.
- Lupinovich, I. U. I., Kislik, V. Z. - Ripple marks in the rock salt of the second potassium horizon of the Starobin deposit. p. 174.
- Vlasov, V. V., Remiznikova, V. I. - X-ray determination of kaolinite and some other clay minerals and layered silicates. p. 177.
- Chernikov, O. A. - Metamorphic coefficient "C." p. 181.
- Shtenberg, L. E. - Determination of carbonate minerals by the coloration method. p. 185.
- NIZHNEVOLZHSKII NAUCHNO-ISSEDOVATEL'SKII INSTITUT GEOLOGII I GEOFIZIKI. Trudy [LOWER VOLGA SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY AND GEOPHYSICS. Transactions]. Moscow, no. 1, 1964.
- Table of contents translated:
- Kulakov, B. V. - Problems of paleohydrology and prospecting hydrochemistry in the lower Volga Valley. p. 7.
- Kulakov, N. V. - Hydrodynamic conditions for the migration of liquefied hydrocarbons. p. 10.
- Zinger, A. S. - Migration of petroleum and differential interception of hydrocarbons. p. 20.
- Zinger, A. S. - Conditions governing the use of some hydrogeological criteria for the estimation of oil and gas potentials. p. 26.
- Kozlenko, S. P. - Age criteria for the prospects of oil and gas potentials. p. 29.
- Geller, E. M. - Conditions governing the formation of gas pools in the Jivet sediments of the Stepanovskoye upland. p. 33.
- Kholodkov, B. S. - Mechanism of the formation of Devonian structures in the Volga Valley portion of Volgograd Province and methods of prospecting for them. p. 40.
- Denisenkova, E. I. - Prospecting significance for some forms of Pre-Akchagyl' relief. p. 48.
- Ivanov, A. I. - Characteristics of the change of the composition of Lower Carboniferous oils and gases in the lower Volga Valley. p. 52.
- Artem'eva, V. V., Yavayeva, L. A. - Relation of the composition of Jivet oils in the Volga Valley portion of Saratov Province to the geological conditions governing the existence of pools. p. 58.
- Davydov, G. M., Morozova, T. M. - Relation of disseminated bituminosity to the tectonics and petroleum and gas potentials of local structures in the Volga Valley portion of Saratov Province. p. 62.
- Korobov, D. S., Davydov, G. M. - Microgasometry of the clay solutions of deep wells in the Volga Valley portion of Saratov Province. p. 66.
- Korobov, D. S. - Prospecting significance for manganese, strontium, and barium in the deep waters of the oil field in the Volga Valley portion of Saratov and Volgograd Provinces. p. 73.
- Orlova, I. N., Chernova, I. A. - Upper Carboniferous of the Volga Valley portion in Saratov Province. p. 75.
- Latskova, V. E. - Conditions governing the formation of Tatarian sediments in the trans-Volga portion of Saratov Province. p. 77.
- Ivanova, A. N., and others. - Stratigraphy of Jurassic and Lower Cretaceous sediments in Astrakhan Province and areas adjacent to the Kalmyk A.S.S.R. p. 79.
- Khranov, A. I. - Basic problems of exploration geophysics in the lower Volga Valley. p. 87.
- Morozova, A. A. - Results of the generalization of materials on seismic prospecting in the Volga Valley portion of Saratov Province. p. 92.
- Bysitskaya, P. M. - Geological effectiveness of seismic prospecting in the Volga Valley portion of Saratov Province. p. 99.
- Shvank, O. A. - Some results of gravity surveying in the southeastern area of the European part of the U.S.S.R. p. 105.
- Bespiatov, B. I. - Optimum conditions governing explosions. p. 109.
- Bespiatov, B. I. - Frequency method for studying conditions governing the formation of reflections from boundaries in thin-layered medium. p. 115.
- Ivankina, A. T. - Structure of media close to seismic boundaries in the Volga Valley portion of Saratov Province. p. 125.
- Ivankina, A. T. - Determination of the velocity of the distribution of elastic waves from the curves of neutron gamma logging. p. 129.
- Klugman, I., Lerner, B. L. - Use of regulated electric delay lines for kinematic corrections in seismic recording. p. 132.
- Eldman, I. E., Martynov, I. U. M. - Evaluation of the oil and gas potentials of Paleozoic carbonate reservoir rocks as revealed by a study in the Volga Valley portion of Saratov Province. p. 137.
- Ivankin, V. P. - Some problems of the methods of the radiometric study of wells. p. 145.
- PALEONTOLOGICHESKII ZHURNAL [PALEONTOLOGICAL JOURNAL]. Issued by Akademia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1965.
- Table of contents translated:
- Ruzhentsov, V. E. - Principal complexes of Carboniferous ammonoids. p. 3.
- Tikhvinskii, I. N. - Ecology of Schwagerina. p. 18.
- Chel'tsov, I. U. G. - New Akchagyl Cardidae of Turkmenia. p. 23.
- Popov, A. V. - New Visca Ammonoidae of the Tien Shan. p. 35.



- Bogoslovskii, B. I. - Oldest genus of the suborder Cephaloceratina. p. 50.
- Shishova, N. A. - Systematic position of the family Hyphasporidae and its scope. p. 55.
- Bekker-Migdisova, E. E., Vulton, R. D. - New and rare Palaeontinidae of Asia. p. 63.
- Likoyev, V. N. - Taxonomy of the family Lycoperidae. p. 80.
- Tatarinov, L. P. - New data on Ulemosaurus. p. 93.
- Kraslov, V. A. - Araucariaceae from the Lower Cretaceous of the Maritime Territory. p. 109.
- Kirichkova, A. I., Pavlov, V. V. - New Cretaceous ferns from the north of Siberia. p. 118.
- Grigor'eva, A. D., Ivanova, E. A. - Methods for the study and description of fossil invertebrates. p. 122.
- Kravtsov, A. G. - Commensalism in colonial tetracerales. p. 126.
- Likharev, I. M., Steklov, A. A. - New Miocene Clausiliidae in Ciscaucasia. p. 128.
- Pavlova, E. E. - Revision of the genus Neophrigidodithyris (order Spiriferidae). p. 133.
- Belokrysa, L. S. - Rodlike coprolite. p. 138.
- Maleev, E. A. - Brain of carniorous dinosaurs. p. 141.
- Chuvashov, B. I. - Katavella, a new genus of fossil red algae. p. 144.
- Amirov, O. V. - Paleontological Section of the Moscow Naturalists' Society in 1964. p. 151.
- Astrov, G. G. - Maria Ivanovna Shul'ga-Nesterenko (1891-1964). p. 157.

### UZBEKSKI GEOLOGICHESKI ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 9, no. 2, 1965.

- Table of contents translated
- Mirzaev, S. Sh. - Wide use of the underground waters of Central Asia for water supply, irrigation, and pasture watering. p. 5
- Shadiev, A. F., Ganiev, K. G. - Surface runoff from the northern slope of the Tien Shan Range. p. 11.
- Pichugin, N. I., Arifzhanov, A. A. - Geophysical studies in the carrying out of experimental hydrogeological investigations in wells. p. 18
- Mustafakulov, T. - Genetic classification of mudflows as revealed by a study in the Akhangaran Valley in the western Tien Shan. p. 24
- Zakhidov, S. - History of the geological development of the Angren brown coal deposit and landslide phenomena. p. 30.
- Arapov, V. A. - Some characteristics of the Hercynian tectonics of the Kurama Range. p. 36.
- Abdullaev, R. N. - Stratigraphy of Lower Paleozoic sediments of the Pekem and Sandalash Ranges. p. 50
- Aliev, E. B. - Some data on the determination of the absolute age of rocks using the method of the comparative dispersion of birefractance. p. 57.
- Rakhimov, Sh. Kh. - Some characteristics of the geological structure of the Kurugay I deposit. p. 62
- Akhmedov, Kh. - Oil and gas potentials of Paleozoic formations. p. 70
- Kasimov, Kh. K. - Oil producing series in the Upper Jurassic sediments of a carbonate formation in western Uzbekistan. p. 72.
- Chekunov, V. S., Arapov, V. A., Chebotareva, G. P. - Second All-Union Volcanologic Conference. p. 74.

### VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO. Uzbekistanskoe otdelenie. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Uzbekistan Branch. Records]. Tashkent, no. 18, 1964.

- Table of contents translated:
- Utkinskii, A. S., Glushchenko, V. M. - Comparative characteristics of the total isotopic composition of snow waters in Central Asia. p. 5.
- Glushchenko, V. M., Kralnova, L. P. - Total isotopic composition of atmospheric precipitation. p. 8.
- Moliseva, M. I. - Comparative mineralogical characteristics of fluorite deposits in the Kurama Range. p. 11
- Badalov, S. T. - Mineralogical characteristics of postmagmatic ore formation in the Almaty region. p. 18.
- Enikeev, M. R. - Linalites in the southwestern Karakoram Mountains. p. 24.
- Kon'kova, E. A. - New minerals in one of the areas of the Altyn-Topkan ore zone. p. 30.
- Sayilev, V. F. - Carbonized plants containing selenium from the Upper Cretaceous sedimentary rocks of one of the regions in Central Asia. p. 35.
- Troitsanskii, G. D. - Selenium minerals from the sedimentary rocks of Uzbekistan. p. 40.
- Badalov, R. P. - Stage of mineral formation in the gold ore formations of western Uzbekistan. p. 44.
- Palai, L. Z. - Some characteristics of the mineral composition and properties of gold from placers in western Uzbekistan. p. 50.
- Gilskii, I. U. S. - Stages of the process of ore formation in the Aktashkan manifestation. p. 55.
- Basakov, M. P. - Upper Jurassic hydrogocrites of the Kara-Kalpak A. S. S. R. p. 59.

- Timofeeva, T. S. - Hastingsite in the Kon-and Zak ore deposit. p. 62
- Golovnov, I. M. - Galenite from the weathering surface of the apodimite serpentinites of Kurugashkan lead-zinc deposit. p. 66
- Chebotarev, G. M. - Sulfuric structures of the ores of complex metal deposits in Uzbekistan. p. 71.
- Muradov, Z. M. - Rutile from the Yakkabag Mountains. p. 80
- Dedy, V. I. U. - Oxidation zone in the Kal'mayr copper-molybdenum deposit. p. 83
- Ismailov, M. I., Pinksina, A. B., Saltarov, A. - Composition of a fossil tree from the Tashkent region. p. 88
- Konov, L. P. - Mineral composition of bauxites in Uzbekistan. p. 96.
- Pokrovskii, A. V. - Age and morphology of the Bakhchl massif. p. 105.
- Gidnev, N. I. - Schematic drawing of the psephite-petrographic and terrigenous-mineralogical provinces in the central and southern part of Central Asia. p. 109.
- Akhmedzhanov, M. A., and others. - Devonian red formation in the Chitkal-Kurama Mountains and its copper potential. p. 114.
- Meeting of the Uzbekistan Branch of the Mineralogical Society of the U.S.S.R. p. 122
- Congress of the Mineralogical Society of the U.S.S.R. p. 123.

### 13. SCIENCE

#### a GENERAL

### AKADEMIA NAUK ARMIAKSKOI SSR, Erivan. Doklady [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports]. Erivan, vol. 40, no. 4, 1965.

- Table of contents translated
- Petrosian, L. A. - Solution of a game of pursuit for survival and its reduction to the Cauchy problem for a partial differential equation of the first order. p. 193.
- Karapetian, K. S. - Effect of anisotropy on the creep of concrete as dependent on the duration of vibration of a concrete mixture. p. 197.
- Ninojan, Zh. O., Badalian, L. T., Movsesian, M. E. - Stimulated Raman scattering of certain substances. p. 205.
- Buniatian, G. Kh., Arutunian, A. V. - Formation of amide groups of glutamine and proteins in the homogenates and subcellular fractions of the brain. p. 208.
- Mirzolian, S. A., Sarkisian, A. M. - Motor reaction of three areas of the stomach following introduction of cholinolytic preparations. p. 217.
- Malkhasian, E. G., Leic, I. U. A. - Geology of vein rocks in the Kafan ore zone. p. 225.
- Avakian, A. A. - Process of geological selection of pyrite individuals. p. 233.
- Muradian, K. M. - Age of the pyrite mineralization in the Tazdzt deposit. p. 237.
- Chalakhian, M. K., and others. - Period of dormancy and change in the content of physiologically active substances in peach seedlings. p. 243.
- Mukldzhanian, I. A. I. - A new species of pear *Pyrus theodorovii* Mulk. from the Armenian S.S.R. p. 249.
- Kiandarian, K. A., Dolabchian, Z. L. - Spatial vector electrocardiographic study of Ebsstein's disease. p. 253.

### AKADEMIA NAUK ARMIAKSKOI SSR, Erivan. Izvestiia. Seriya fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]. Erivan, vol. 18, no. 1, 1965.

- Table of contents translated:
- Gendzholian, G. V. - Use of Chaplygin's method in solving the Dirichlet problem for a class of quasi-linear elliptic equations. p. 3.
- Giumisarian, A. G. - General boundary value problems for parabolic equations with discontinuous coefficients. p. 14.
- Gnuni, V. TS. - Nonlinear theory of the stability of orthotropic inhomogeneous shallow shells. p. 34.
- Khachatryan, A. A. - Flexure of rectangular transversely isotropic plates. p. 43.
- Mishenkov, G. V. - Interaction of parametrically excitable and induced vibrations of elastic panels. p. 53.
- Method for solving the problem of bending a beam with cylindrical anisotropy. p. 61.
- Kirakosian, R. M. - Creep of a layer of glass-reinforced plastics in biaxial tension. p. 73.
- Meschian, S. R. - Studying the laws of instant deformations of clayey soils in shifts. p. 88.
- Danielian, L. E. - Motion of a viscous liquid in an open channel with an arbitrary porous bottom. p. 100.
- Edilian, M. B., Sarkisian, I. U. L. - Kinematic analysis of a strip mechanism. p. 108.

- Atvazian, I. U. M., Sedrakian, D. M. - Excitation of a system of semi-infinite plates by linear sources. p. 117.
- Gazarian, A. D. - Beta decay of a proton induced by electromagnetic radiation. p. 126.
- Arakelian, V. S., Kavarian, R. A., Samonjan, I. V. - Study of the electro-optical properties of benzoate. p. 134.
- Dekabrym, L. L., Mkrtchian, A. R. - System of controlling the excitation current for electron spin nuclear magnetic resonance spectrometry. p. 140.
- Babolian, A. A., Prumdan, O. O. - Some problems involving the dynamic torsion of an infinite cylindrical shaft. p. 153.

Vot 18, no. 2, 1965.

- Table of contents translated
- Abgarian, K. A. - Reduction of a quadratic matrix to the quasi-diagonal form and its decomposition into components. p. 3
- Khachatryan, I. O. - Representation of metamorphic functions of infinite order in a half-plane. p. 11
- Shmatkov, A. A. - A class of quasi-holomorphic mappings. p. 26.
- Bagdasarian, G. E., Gnuni, V. TS. - Nonlinear problem of the stability of an anisotropic cylindrical shell. p. 32
- Khachatryan, A. A. - Flexure of a semi-infinite plate by a load distributed along the edge. p. 39.
- Chobanian, K. S. - Torsion of planar rods with a thin reinforcing coating. p. 48.
- Karapetian, K. S. - Effect of anisotropy on the creep of concrete as dependent on the moisture content of the medium. p. 58
- Meschian, S. R. - Study of the laws governing instantaneous deformations of clay soils due to one-dimensional condensation. p. 74.
- Babadzhanian, G. A. - Flow of a viscous fluid along a rectangular channel with porous walls. p. 80
- Mkhitarian, A. M. - Effect of the anisotropy on the creep of concrete as dependent on the moisture content of the medium. p. 58.
- Meschian, S. R. - Study of the laws governing instantaneous deformations of clay soils due to one-dimensional condensation. p. 74
- Babadzhanian, G. A. - Flow of a viscous fluid along a rectangular channel with porous walls. p. 80
- Mkhitarian, A. M. - Effect of the stability of stratification on turbulent transfer in the over-water atmospheric layer. p. 86.
- Petrosian, L. A. - Transformation of the over-water wind field taking vertical currents into account. p. 100.
- Akopian, E. A. - Synthesis of a four-bar linkage with constrained velocity and acceleration of the driven link. p. 117.
- Gazarian, A. D. - Nonrelativistic analogy of the Josephson effect approximation. p. 128.
- Khachatryan, B. V. - Mathematical proof of some diffraction radiation for muons. p. 133.
- Pikalov, A. P. - A nuclear magnetic resonance spectrometer. p. 140.
- Parashinian, E. S. - List of cometary nebulae detected on Mt. Palomar maps. p. 140.
- Simonian, A. M. - Experimental study of high-temperature creep and its effect on the mechanical properties of hot-rolled steel. p. 140.

### AKADEMIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports]. Minsk, vol. 9, no. 3, Mar. 1965.

- Table of contents translated:
- Shunkov, F. I. - One differential property of a function of two real variables. p. 140.
- Fedorov, F. I., Lobko, S. I. - Magnetic moment of a particle with variable spin  $1/2-3/2$ . p. 147.
- Din' Van Khoang. - Some properties of the quasimoments. p. 152.
- Mel'gul, M. A. - Theory of hysteresis effects in ferroelectrics. p. 160.
- Shishkin, G. V. - Polarizing properties of muons in "elastic" neutrino processes  $\bar{\nu}_\mu + p \rightarrow n + \mu^+$ ,  $\nu_\mu + n \rightarrow p + \mu^-$ . p. 160.
- Klailnikov, S. A., Kunin, N. F. - Certain characteristics of the dynamic deformation of alloys. p. 164.
- Severdenko, V. P., Tomilo, A. P. - Heat-insulating effect of lubricants in forging. p. 167.
- Soldatov, V. S. - New variant of the thermodynamic study of ion-exchange processes. p. 169.
- Makhnach, A. S., Korzun, V. P. - Volcanic-sedimentary rocks in the upper part of the Famennian stage in the Devonian of the Pripiet fault. p. 172.
- Golubev, V. K. - Stratigraphy of Famennian sediments in the Pripiet fault. p. 175.
- Fadeeva, M. F. - Formation of the cone of a trough of underground waters in the area of an acting water intake near the river. p. 180.
- Lukashov, K. I., Zhukovitskaya, A. L., Zamiatkina, A. A. - Heavy metals in the surface waters of the Pripiet Polesye in the White Russian S.S.R. p. 183.
- Sel'chenok, V. P. - Characteristics of the operation of a sand embankment on peat ground. p. 187.

- Konev, S. V., Lyskova, T. I. - Effect of a glycolysis rate increase in yeast cells by ultraviolet light of mitogenetic intensity. p. 190.
- Kuchavtseva, V. M. - Cause of the fruitlessness of the giant knotweed (*Polygonum sachalinense* Schmidt.). in the White Russian S. S. R. p. 194.
- Gatsko, G. G. - Age-related changes in zinc excretion by the kidneys. p. 197.
- Fomichenko, K. V., Dis'ko, N. A. - Proteinogram of the blood serum following chronic X-ray irradiation. p. 199.
- Avramenko, B. I., and others. - Male sterility in plants induced by penetrating radiation. p. 202.
- Abramchik, G. V. - Glucocorticoid function of the adrenal cortex in patients with multiple sclerosis. p. 205.
- Dorozhkin, N. A., Shukanov, A. S. - Hibernation of the causative agent of the downy mildew of sugar beets (*Peronospora sphegachili* Fuchs) in White Russia p. 208.
- Arzamasov, I. T. - Ectoparasites of the common shrew *Neomys fodiens* Schreb. in White Russia. p. 211.
- KHIMIYA I ZHIZN' [CHEMISTRY AND LIFE].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, 1965.
- NAUKA I ZHIZN' [SCIENCE AND LIFE].** Issued by Vsesoyuznoye obshchestvo "Znanie" [Knowledge] All-Union Society]. Moscow, vol. 31, no. 6, June 1965.
- NAUKA I ZHYTTIA [SCIENCE AND LIFE].** Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koj RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 15, no. 6, June 1965.
- PIRODA [NATURE].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 54, no. 6, June 1965.
- Table of contents translated:
- Ianashin, A. L. - New group of Lenin Prize laureates, studying the foraminifer shells. p. 2.
- Tamun, I. E. - Physics of elementary particles, present-day status and prospects. p. 6.
- Losav, B. I., Monha, M. L. - Water is indispensable! p. 17.
- Vishnevskii, A. A. - Cybernetics in medicine. p. 24.
- Sidorov, V. I. - Paths of electronics. p. 35.
- Riabchikov, D. I., Nazarenko, I. I. - Pure substances p. 41.
- Livshits, M. A. - Solar activity p. 48.
- Blagoveshchenskii, V. V. - Bayevka tree. p. 57.
- Mazokhin-Porshniakov, G. A. - Insects and color p. 58.
- Korshunov, B. G., Stefanuk, S. L. - Chlorine metallurgy p. 63.
- Kozubenko, V. E. - Hybrids on a sterile basis. p. 67.
- Lobanov, I. F. - Glauconite, a valuable fertilizer p. 69.
- Klevtsov, T. A. - Take care of the landscapes; water and atmospheric pollution control in the Krivoy Rog iron ore basin. p. 70.
- Ravich, G. B. - Who was the first to observe Brownian motion? p. 74.
- Zamorskii, A. D. - Spiral motion of bodies. p. 78.
- Miroshnichenko, L. I. - Solar flares and interplanetary space. p. 80.
- Kupetski, V. N. - Ice at an air temperature above freezing point. p. 81.
- Grebe, A., and others. - Search and solutions; important research of chemists of the German Democratic Republic. p. 83.
- Chistovskii, O. G. - City on the Kama River. p. 89.
- Feraman, A. E. - Tietia; from the past of the Khibiny Mountains. p. 96.
- Ivashin, M. V. - Science, fiction and reality. p. 104.
- Grakhovskii, L. M. - Barsa Kei's salt pan. p. 109.
- Prosin, A. V. - "Molnia-1" in orbit. p. 115.
- Esipov, V. F. - Natural or artificial signals? Space radio sources periodically change their flux. p. 117.
- Tireless explorer-geographer; I. S. Shchukin's 80th birthday. p. 124.
- Anan'ina, V. M., Bukharin, P. D. - Summer in the Khibiny Mountains. p. 125.
- Chumikhin, S. P. - Summer life of the birds in the Salair Ridge. p. 126.
- Golubev, G. N. - Altitudinal belts and the runoff of snow waters in the Tien Shan. p. 127.
- \* PROBLEMY KIBERNETIKI [PROBLEMS OF CYBERNETICS].** Published by Gosudarstvennoe izdatel'stvo fiziko-matematicheskoi literatury [State Publishing House of Physicomathematical Literature]. Moscow, no. 12, 1964.
- Table of contents translated:
- Gorbovitskaia, N. A. - Equivalent transformations of certain types of automata. p. 5.
- Kirilenko, G. I. - Error correcting networks of functional elements. p. 29.
- Kogan, I. V. - Tests for nonrepetitive contact networks p. 39.
- Kirichevskii, R. E. - Complexity of series-parallel contact networks realizing one sequence of Boolean functions. p. 45.
- Sosinski, L. M. - Representation of functions by nonrepetitive superpositions in three-valued logic p. 57.
- Spivak, M. A. - Treatment of the theory of automata by methods of the theory of relations. p. 69.
- Trakhtenbrot, B. A. - Complexity of circuits realizing multiparametric families of operators. p. 99.
- Dobrushin, R. L. - Sequential decoding by the method of Wozencraft-Reiffen p. 113.
- Levenshtein, V. I. - Decoding automata invariant relative to the initial state. p. 125.
- Markov, A. A. - Nonuniform error correcting codes p. 137.
- Ter-Mikaelian, T. M. - Programs with a varying order of completion of cycles. p. 155.
- Ljapunov, A. A. - Totally additive vector functions. Part 3. A problem of I. U. Ch. Netman. p. 165.
- Ljapunov, A. A. - Totally additive vector functions. p. 169.
- Ratner, V. A. - Determining the sequence of bases in the biochemical code. Part 2: The principle of connectivity of series p. 181.
- Timofeev-Resovskii, N. V. - Some problems in radiation biogeocenology. p. 201.
- Vakulovskaja, G. V., Kuagina, O. S. - A method of analysis of texts. p. 233.
- Vasilev, I. U. L. - "Superposition" of abridged disjunctive normal forms. p. 239.
- Gladkii, A. V. - Algorithm of the recognition of configurations for a class of languages for automata. p. 243.
- Zakharova, E. I., Iabonskii, S. V. - Some properties of essential functions of  $\mathbb{P}_2$ . p. 247.
- Ianov, I. I. - Invariant operations over events. p. 253.
- REFERATIVNYI ZHURNAL: KIBERNETIKA [JOURNAL OF ABSTRACTS: CYBERNETICS].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- ZNANIE - SILA [KNOWLEDGE IS POWER].** Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 40, no. 6, June 1965.
- ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK].** Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho sojuzu molodi Ukraini [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, nos. 5(303)-6(304), May-June 1965.
- b. ASTRONOMY**
- AKADEMIYA NAUK KAZAKHSSKOI SSR, Alma-Ata. Astrofizicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Astrophysical Institute. Transactions].** Alma-Ata, vol. 5, 1965. Kinematics and dynamics of stellar systems and the physics of interstellar space.
- Table of contents translated:
- Kuzmin, G. G. - Present stage and some current problems in stellar dynamics. p. 11.
- Genkin, I. L. - The vertex deviation in the general dynamic problem. p. 23.
- Agokhin, T. A. - Quasi-stationary globular star clusters. p. 30.
- Petrovskaja, I. V. - Density distribution in quasi-spherical stellar systems. p. 46.
- Veltmann, I. U. - Generalization of Schuster's model of spherical stellar systems. p. 57.
- Shatsova, R. B. - Distribution of residual stellar velocities. p. 67.
- Kuzmin, G. G. - Hydrodynamics of stellar systems. p. 70.
- Antonov, V. A. - Some hydrodynamic analogies in stellar dynamics (theses of a report). p. 77.
- Kotuzov, S. A. - Problem of setting up a system of galactic parameters. p. 78.
- Elnasto, I. A. E. - Construction of a composite model of the galaxy and setting up a system of galactic parameters. p. 87.
- Genkin, I. L. - System of galactic constants. p. 101.
- Idlis, G. M. - Rational foundations and current problems in the theory of galactic models. p. 105.
- Idlis, G. M., Kurmakov, Z. Kh. - Applicability of the theory of relativity in astronomy. p. 178.
- Gelfgat, B. E. - Asymptotic behavior of solutions to the problem of two bodies of variable mass. p. 191.
- Omarov, T. B. - The osculating orbit in the Armellini-Jeans representation. p. 205.
- TSitsin, F. A. - Some problems affecting an axiomatic construction of the dynamics of stellar systems. p. 211.
- Ogorodnikov, K. F. - Dynamical aspect of the system of globular clusters p. 219.
- Kazarian, E. S., Mirzotian, L. V. - The K-effect and nonstationary motions in the galaxy. p. 224.
- Dzighvashvili, R. M. - Method for determining the parameters of the function of stellar velocity distribution using the maximum probability principle. p. 233.
- Gainullina, R. Kh., Roslavskaja, T. V. - Effect of orientation in clusters of large E-galaxies. p. 237.
- Fesenko, V. G. - Problems related to the physics of interstellar matter (opening address). p. 247.
- Rozhkovskii, D. A. - Reflecting nebulae of high optical density and the properties of interstellar dust particles. p. 249.
- Minin, I. N. - Some calculations of light scattering in dust nebulae. p. 258.
- Idlis, G. M. - Relative luminosity of nebulae illuminated by stars. p. 262.
- Guzdian, G. A. - Electron temperature gradient in gaseous nebulae. p. 269.
- Prosk, I. I. - Dust distribution in the galactic plane in the vicinity of the sun (theses of a report). p. 274.
- Glushkov, I. U. L. - Polarization and continuous spectrum of NGC 2068. p. 277.
- Sobolev, V. V. - Diffusion of radiation in nebulae of large optical thickness. p. 285.
- Kurchakov, A. V. - Role of  $L_d$ -quanta in the formation of the continuous spectrum of diffuse nebulae. p. 292.
- Kaplan, S. A. - Some problems affecting the physics of interstellar and interplanetary matter. p. 296.
- Pikel'ner, S. B. - The galactic magnetic field (theses of a report). p. 302.
- Mattig, V. S. - Trichromatic photographic photometry of stars with D. D. Maksutov's meniscus telescope (theses of a report). p. 303.
- REFERATIVNYI ZHURNAL: ASTRONOMIYA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1965.
- REFERATIVNYI ZHURNAL: ISSLEDOVANIE KOSMICHESKOGO PROSTRANSTVA (Otdel'nyi vypusk 62) [JOURNAL OF ABSTRACTS: SPACE RESEARCH (Separate Issue 62)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1965.
- ZVAGZNOTA DEBESS [STARRY SKY]** Issued by Latvijas PSR Zinatnu akademijs Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Spring 1965 [in Latvian]
- c. BIOLOGY**
- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestia. Seriya biologicheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Biological Sciences].** Baku, no. 6, 1964.
- Table of contents translated:
- Bogdanov, M. P. - Weeds of the Caspian and Khachmas Lowlands. p. 3.
- Rustambekov, M. R., Rzaev, G. A. - Effect of microelements on the dynamics of nitrogen compounds in soybeans under various conditions of moisture supply. p. 11.
- Alizade, M. A., Mamedov, Shamkhal, Karakhanova, S. V. - Effect of efrin 98 on carbohydrate and protein metabolism in weeds. p. 19.
- Vaidova, S. M. - Fauna and distribution of nematodes in birds of the Lenkoran group of districts and the Mugan Steppe in Azerbaijan. p. 23.
- Akhmedov, N. M. - Characteristics of the postembryonal growth of muscles in Balas sheep. p. 33.
- Aliev, S. V. - Some data on the biology and ecology of little-known species of culicids. p. 43.
- Gasanov, B. I. - Dark-brown soils of the semihumid subtropics. p. 51.
- Faradzheva, S. B., Ismailova, F. M. - Mineralogical composition of some soils of the Lesser Caucasus developed from the eluvium of quartz porphyry. p. 59.
- Kuliev, Sh. M. - Effect of iodine fertilizers on some biochemical processes in cotton and wheat. p. 69.
- Kadyrov, G. K. - Electric activity of the reticular structures of the brainstem under chemical stimulation and the blocking of reticular receptors during a changed functional state of the vegetative nervous system and the reticular formations. p. 75.

- В работе рассмотрены процессы ионизации различных веществ в плазме при различных температурах и давлениях, а также процессы рекомбинации ионизированных веществ. Рассмотрены также процессы ионизации и рекомбинации в плазме при различных температурах и давлениях. Рассмотрены также процессы ионизации и рекомбинации в плазме при различных температурах и давлениях.

- STATE OF TEXAS, COUNTY OF DALLAS, A. J. JAMES,  
Plaintiff,  
vs.  
THE STATE OF TEXAS, A. J. JAMES, et al.,  
Defendants.

- Table of contents translated
- Lil'eva, A. A. - Page factor. A. P. - Lincoln and  
P. 70; Muzhenko, I. A. - Alota-Alota Province p 3
- Vas'kova, N. V. - Organic matter of light-colored  
soils in the Aral's irrigation region p 18
- Plesner, E. A. - Chemical composition of Po, Zr, Mo, Ag,  
Al and Fe assemblages in igneous rocks and  
metals p 23
- Lil'eva, A. P. - Effect of cutting on the young growth  
of poplars on one part of the Kozlovsk-Mun-  
chinskaya plant p 38
- Lil'eva, A. A., Savits D. L. - Role of propionic acid  
in the formation of the foliage of leeks p 44
- Fedorina, F. S., Mandukhin, A. Haledurov, A. N. -  
Mineralization of the soil of phosphate meal during  
the decomposition of rice straw p 52
- Vladimirov, F. V. - Growth and development of self-  
pollinating varieties p 58
- Zakharov, B. S. - Changes in the chemical composition  
of plants during irradiation at various periods  
of growing depending on climatic factors p 65
- Begala, S. B. - Germination force of *Acanthophyllum*  
*beydarii* seeds under laboratory conditions  
p 71
- Baranov, I. O. - Root system spread of some field crops  
in the Dzhangal desert steppes p 73
- Dzhangal, A. - Periodic characteristics of long-  
tailed siskins (*Coccyzus erythrophthalmus*) in the Dzhangarian  
Altai p 85
- Gaidarov, E. V. - Changes in the helminth fauna of the  
sand hare (*Lepus tolai* Pall.) in the Bar-Togay area  
p 93
- Mirza-madiev, A. - Electron microscope study of  
lice eggs in sheep p 97.
- Ibrahimov, T. U., Tragalbayev, A. - Digestibility of cel-  
lulose in the rumen of ruminants in connection with  
their age p 103
- Dzhumagaliya, F. D. - Effect of a preparation of *Co-*  
*coccus chemodoni* on the bioelectric activity of the  
heart p 108
- Khusainova, N. Z., Muravlev, G. G., Mitrofanov,  
V. P. - Conference on the matter and energy cycles  
in lakes p 111

- AKADEMIYA NAUK KAZAKHSTANSSR, Alma-Ata,  
[Sovetskaya, 100, Tr.] [ACADEMY OF SCIENCES OF  
THE KAZAKH S.S.R., 100, Sovetskaya, Trans-  
act. Alma-Ata, 100, 1964, Frash acou dynamics  
of the Kazakh SSR, 100, 1964, Frash acou dynamics  
of the Kazakh SSR, 100, 1964, Frash acou dynamics

- Table A contents translated
- Dzh. Adzhadze, F. D., S. S. Khabibova, T. A. - Effect of preparations, isolated from *Ziziphora Burgei*, on the heart of frogs p 5
- El'makova, V. B. - Effect of *Endoropsis clematidea* on the work capacity (swimming) of white mice p 8
- Furkhanova, V. B. - Study of stimulating action of the alcohol extract from *Endoropsis clematidea*. p. 11.
- Sivertsev, K. I. - Reaction of the blood vessels of the isolated liver of guinea pigs to the preparations from *Anaphalis velutina* Krusch. p. 14.
- Simonova, L. A. - Effect of preparations from *Aconitum Fischeri* on the duration of hexenal narcosis. p. 17.
- Filonova, L. A. - Toxicity and general effect of the preparations from *Aconitum Fischeri* p 20
- Palagutin, A. G. - Phytochemical study of *Ziziphora Burgei* p 26
- Chebokova, I. I. - Local anesthetic activity of stereoisomers of benzoate hydrochloride of 1-ethyl-2-methyl-4-oxycyclohydroquinoline and 1-propyl-2-methyl-4-oxycyclohydroquinoline. p. 28
- Chebokova, I. I. - General effect and toxicity of stereoisomers of benzoate hydrochloride of 1-ethyl-2-methyl-4-oxycyclohydroquinoline and 1-propyl-2-methyl-4-oxycyclohydroquinoline. p. 34.
- Samarina, G. L. - Relation of the toxicity and local effect of some stereoisomers, derivatives of oxycyclohydroquinoline, to their spatial structure. p. 39.
- Samarina, G. L. - Pharmacological activity of some stereoisomers, derivatives of oxycyclohydroquinoline. p. 43.
- Rukhovich, V. V. - Toxicology of *Aconitum karamolicum*. p. 54.
- Kuchinskaya, M. S. - Study of the content of tanning substances, organic acids and microelements in wild plants of Alma-Ata Province. p. 58.

- Kuchinskaya, N. S. - Content of vitamin C and microelements in wild plants of Alma-Ata Province, p. 65.
- Avetisyan, M. P. - Application of Ziziphora Bunge in a clinic of internal diseases, p. 70.
- Tsitina, S. I., Iashchenko, M. P., Kuchinskaya, N. S. - Some data on biology and biochemistry of *Aconitum Fischeri*, p. 74.
- Dubin, N. S. - Pathological changes in internal organs of cats following poisoning by *Erysimum*, p. 82.
- Roznyakiv, M. A. - Effect of some microelements (Co, Cu, Mn) on the secretory function of the stomach, p. 88.

- AKADEMIYA NAUK SSSR, Sevastopol'skaya biologicheskaya stantsiya, Tруды [ACADEMY OF SCIENCES OF THE U.S.S.R. Sevastopol Biological Station, Transactions], Sevastopol, vol. 17, 1964.

- Table of contents translated
- Mikhailov, A. A. - Phytoplankton of the Sea of Crete p 3
- Denisenco, V. V. - Phytoplankton of the Adriatic, Ionian, Aegean and Black Seas in August of 1958 p 13
- Mironov, G. N. - Some features of the distribution of zooplankton in the upper layer of the central part of the Tyrrhenian Sea and the adjacent part of the Balearic Sea. p 21
- Kusleva, M. I. - Some data on benthos of the Adriatic Sea. p 28
- Makkevaya, E. B. - Undergrowth forming biocenoses of the Adriatic Sea. p 39
- Chukhchin, V. D. - Quantitative data on benthos of the Tyrrhenian Sea. p 48.
- Murina, V. V. - Sipunculid fauna of the Mediterranean Sea. p 51
- Bekhnik, T. V., Sinitukova, V. I. - Distribution of eggs and larvae of pelagic fishes in the Mediterranean Sea. p 77
- Lipskaya, N. I. A. - Comparative characteristics of feeding habits of the red mullet (*Mullus barbatus* L.) in the Mediterranean, Adriatic and Black Seas. p 116.
- Nikolskaya, V. M., Naidenova, N. N. - Nemertodes of pelagic and benthopelagic fishes in the seas of the Mediterranean basin. p 125.
- Yegdanova, A. K. - Characteristics of the hydrological regime of the Mediterranean Sea in warm winters of 1960-1961 and 1961-1962, based on observations from the E/S "Akademik Kovalenskii". p 159
- Georgiev, I. U. S. - Some characteristics of meteorological conditions in the Mediterranean Sea in winter of 1960-1961 p 182.
- Ashenin, L. N. - Azotobacter miscellum, one of the mass species of the genus Azotobacter, living in the water of the Black Sea. p 204.
- Inberg, G. G., Muravieva, E. P., Finenko, Z. Z. - Some data on the chlorophyll content in plankton and the primary production of the Black Sea p 212.
- Belogorskaya, E. V. - Chlorophyll content in plankton of the Sea of Azov. p 221
- Khatilova, N. F. - Distribution of Black Sea species of the genus Chaetoceros in the seas of the Northern Hemisphere and their biogeography. p 231
- Reze, V. N., Baldina, E. P. - Dynamics of populations and annual production of *Acartia clausi* Giesbr. and *Centropages kroyeri* Giesbr. in the neritic zone of the Black Sea. p 248.
- Zhina, L. I. - Seasonal changes in zooplankton of the northwestern part of the Black Sea in 1957. p 262.
- Kaka, L. A. - Intensity of feeding habits and weight increase in larvae of the Black Sea anchovy *Engraulis engraulicholus ponticus* Alex during spawning season p 276
- Reze, I. I. - Life cycle of the shrimp *Gammarus carinatus* (Rathke) in the Black Sea. p 293.
- Kluk, D. M. - Methods of determining the raw fat in plankton. p 304.
- Sel'vand, A. M., Dolgopolskaya, M. A. - Effect of ultrasonic oscillations on the organisms of marine fouling and the process of fouling. p 309
- Cherova, Z. S. - Effect of copper on the growth and development of diatom algae under the conditions of monocultures and in the sea on surfaces covered with antifouling paint. p 325.
- Spiro, A. Z. - Effect of some inorganic poisons on respiration in *Mytilus galloprovincialis* L. p 334.
- Brunov, A. T., Muravyskaya, Z. A. - Vitamin D<sub>2</sub> content in water of the Bay of Sevastopol and its possible ecologic significance. p 342.
- Koskaya, L. A., Viliuk, D. M., Rozhanskaya, L. I. - Some data on the chemical composition of marine planktonic algae cultivated under artificial and natural illumination. p 346.
- Silov, K. M., Lanskaya, L. A. - Some factors of the chemical action of *Cystoseira* on unicellular algae. p 351
- Glighk, A. V. - *Corcaria gibbulae* nov. sp., a parasite of the mollusk *Gibbula albidula* Gmelin of the Black Sea. p 361.
- Novikova, K. K. - Respiration intensity in some Black Sea *Medusae*. p 364.

- Zuev, G. V. - Body form of Cephalopoda. p. 143

- AKADEMIYA NAUK SSSR, Sibirskoe otdeleniye, 1-ya ulitsa  
[ACADEMY OF SCIENCES OF THE U.S.S.R., Siberian  
Department, Bulvarnaya], Novosibirsk, no. 17, 1961,  
Seriya biologiko-meditsinskikh nauk [series in the  
Biological and Medical Sciences], no. 3.

- Table of contents translated:
- Reverdatto, V.V., Krylov, G.V. - Some problems of principle and discussion in studying the vegetation of Siberia and the Far East. p. 3
- Aleksandrov, L.V. - Characterization of the latitudinal change in the vegetation of the Upper Jurassic and Lower Oligocene of Western Siberia, based on the data of pollen-ovule analysis. p. 11
- Shirokova, I.U.F. - Latitudinal zonality of the vegetation in the Middle Oligocene of the West Siberian Plain; based on the data of spore-pollen analysis. p. 21
- Gadzhiev, I.M. - Potulnic-pole north of the central part of West Siberia. p. 23
- Efimov, S.P., Plavchikov, N.I. - Genesis of the bogs in the Podkamennaya Tunguska basin. p. 37
- Khranov, A.A. - Stratigraphy of peat bogs of the southern tundra of central Siberia. p. 41
- Kozlovskaya, L.S., Padoeva, T.N., Zogal'nikova, L.M. - Effect of invertebrates on the formation of the upper sphagnum soil. p. 50
- Vishniakov, Z.V. - Microfauna of humus soil of the cedar-fern forest and their clearest access. p. 57
- Kabanov, N.E. - Afforestation of sandy soils of the little "dry" rivers in central Kamchatka. p. 73
- Elagin, I.N. - Microclimate and development of plants of plants on the cutovers of Kamchatka. p. 71
- Lobednina, N.S. - Pine forest of Nizhnechikha district. p. 77
- Vorob'ev, V.N. - Fruiting of Siberian cedar in relation to altitudinal subzones of the northern Altai. p. 80
- Kumilov, A.V. - Formation of vegetation on slag dumps. p. 91
- Bogohvinskii, R.A. - Some ecological characteristics for cellulose-decomposing fungi in the Volga-Kamchug basin. p. 90
- Mikhailov, A.S. - Microelements and evaluation of phosphorus as complex agricultural areas. p. 103
- Napleкова, N.N. - Nitrogen nutrition of the genus Chaetomium fungi isolated from various soils of Siberia. p. 103
- Gomolova, N.P., Volovich, N.A. - Fauna and ecology of herpetofauna (Diptera, Tabanidae) of the steppe zone of Western Siberia. p. 111
- Gorn, V.R. - Effect of gamma rays, fast neutrons and ethylene on the rate of chromosomal alterations in winter wheat. p. 117
- Gomolova, N.V., Terokov, I.A., Chernobitskiy, V.A. - Quantitative content of methemoglobin in individual erythrocytes. p. 122
- Poelov, V.T., Ralchikov, M.P. - Distribution of erythrocytes in the blood as to their human resistance in a healthy person. p. 127
- Kazant, V.I. - Study of urol in the function of the chorion and placentas of the epithelial-choral placenta. p. 133
- Semenova, L.A. - Mechanism of stranding injury to myocardial fibers by the Selye method. p. 137
- Vorob'ev, V.A., Kureva, V.K., Koryun, A.I. - Inter-vegetative chambers with the regulation of soil and air temperature for experiments with plants. p. 141
- Shorudlo, A.I. - Cytophotometry in the visible region of the spectrum. p. 145
- Ferskov, I.A., Kolomiets, N.G. - Observations on insect fluorescence. p. 147
- Polkov, V.T., Polov, V.I. - Microsporidiosis of Dendrolimus. Report No. 1. p. 150
- Serdyshev, G.D. - Nucleic acid synthesis in *Escherichia coli* cultures. p. 151
- Yanitskiy, I.M. - Pharmacology of bukamin (a non- $\alpha$ -hydroxybutyric acid). p. 154
- RIV ANATOMII, GISTOLOGII I EMBRIOLOGII [REVIEWS OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY] issued by Ministerstvo zdravookhraneniya SSSR (Ministry of Health of the U.S.S.R.) Moscow, 1, 47, no. 10, Oct. 1904.
- Table of contents translated:
- Lev, I.D. - Issues and prospects in the development of anatomofunctional studies on collateral blood circulation. p. 3
- Kabanov, D.A., Shakhmatov, V.A. - Comparative electron microscopic study of the structure of walls of blood and lymph capillaries. p. 13
- Subomudrov, A.P., Lychikovskiy, L.M. - Chordal vascular structures in the rabbit following the excision of main cervical and cerebral arteries. p. 19
- Shuman, E.P., and others. - Structural changes in the arterial bed of the dog liver and dynamics of some of its functional indices in experimental ischemia. p. 25

- Boreisho, G.K., Chernova, V.A. - Collateral blood circulation of the heart following ligation of the internal thoracic artery. p.38
- Zolotareva, T.V. - Blood supply of the parotid gland in man. p.40.
- Shevchuk, M.G. - Structural adaptation of the cardiac arterial bed and dynamics of some of its functional shifts following disturbed blood circulation. p.43
- Khananov, L.I. - Effect of the extirpation of individual components of the splanchnic plexus on the development of collateral circulation of the pancreas. p.49.
- Zel'fak, V.L. - Structural adaptation of the arterial bed in the esophagus under experimental conditions. p.56
- Dolishnii, N.V. - Plastic properties of the arterial bed in the adrenal gland. p.62
- Burachinskii, M.T., Krasikova, N.A. - Venous outflow from some organs of the small pelvis in collateral circulation. p.68.
- Zil'berman, M.N. - Some problems of vascular connections of the omental graft with the wall of the urinary tract after its omentopexy. p.73.
- Kitpleh, M.S. - Dynamics of the formation of collaterals and functional changes in the thyroid gland after the excision of its supplying vessels. p.76.
- Lakubovskaya, E.V. - Topography of the gastroduodenal artery and its significance in the collateral blood supply to the liver. p.82.
- Revalskii, I.U.K. - Variations in the structure of the frontal sinuses and their significance in the professional selection of airplane pilots. p.88.
- Lapina, Z.V. - Vascular bed of the ligamentum latum uteri in man and in lower narrow-nosed monkeys. p.93.
- Podtseyal, N.M. - Unusual site of the left brachiocephalic vein. p.101
- Roginskii, G.Z. - The work of V.N. Tonkov in the V.M. Bekhterev brain Institute of the Museum of Mental and Psychic Evolution: 1929-1950. p.103
- Dolishnii, N.V., Ettinger, L.E. - Work of the Second Topical Conference on Collateral Blood Circulation in Ivano-Frankovsk on May 27-30, 1964. p.108.
- Vol. 48, no.3, Mar. 1965.  
Table of contents translated:  
Ivanova-Kuzas, O.M. - Polyembryony in animals. p.3.  
Shelepa, D.D. - Nerves of the cerebral pia mater in some rodents. p.21.  
Burdol, G.D. - Individual characteristics of the spinal cord in adults. p.25.  
Sotnikov, O.S. - Some data on the statics and dynamics of the structure of the Schmidt-Lantermann incisura. p.31.  
Bobin, V.V. - Data on the morphology of facial nerve connections in some mammals. p.42.  
Bogri, S.M. - Some characteristics of the innervation of the forearm periosteum in fetuses and newborn infants. p.46.  
Lychevskii, L.M. - Venous bed of the rabbit eyeball under conditions of collateral blood circulation. p.50.  
Khristodolov-Finlit, A.S. - Atrioventricular valves of the human heart. p.56.  
Fodil, V.V. - Age-related changes in the intraorganic lymphatic vessels of the heart. p.60.  
Puzanova, L. - Development of the form and internal structure of some muscles during the prenatal period. p.66.  
Kanev, A. - Study of the remnants of the human muscular peroneal digitorum. p.70.  
Sineokov, N.P. - Position of the pyramids of the temporal bones. p.78.  
Dimant, I.N., and others. - Reactive processes in the brain during chronic local irradiation. p.84.  
Krichinskaya, E.B. - Processes of destruction of the pronephros and mesonephros of the chick embryo. p.91.  
Khehman, F.D. - Qualitative characteristics of the degeneration of main and accessory pathways of the afferent innervation of the urinary bladder. p.98.  
Zil'berman, M.N. - Migration plastic surgery on intestines with artificial collateral blood circulation. p.104.  
Volikovich, A.A. - Conditions for the regeneration of endocrine organs. p.111.
- Vol. 48, no.4, Apr. 1965.  
Table of contents translated:  
Makarov, P.V. - Autoradiographic study of protein-producing cells. p.3.  
Butskan, N.A. - Cytochemical study of the testes in fishes. Report No.1: nucleic acids, proteins and polysaccharides. p.17.  
Ershova, V.P. - Comparative cytochemical study of the neurons of the thoracic portion of the truncus sympathicus in vertebrates. p.24.  
Tilova, L.K. - Histochemical study of the development of the organ of Corti in mammals. p.32.  
Gorbanov, M.P. - Some submicroscopic structures of the thyroid cell. p.41.  
Kratushkina (Chusovitina), L.S. - Functional state of the chondriome of the chloride-secreting cells of the gills in sturgeons in the early stages of ontogeny. p.45.  
Pil'shchik, E.M., Kudriavtseva, M.V. - Changes in the ultraviolet and blue fluorescence in the hepatic cells in white rats in the early postnatal period. p.49.  
Shubich, M.G. - Cytochemistry of protein substances in leucocytes. p.53.  
Elitskii, I.U.K. - Histochemical study on nucleic acids, glycogen and lipids of the liver in experimental acute alcohol intoxication. p.58.  
TSitsorina, T.N. - Histochemistry of mucopolysaccharides and proteins of the periplacental trophoblast in rabbits. p.64.  
Ponomareva, T.V. - Lymphoid apparatus of the intestine in rabbits under normal conditions and in artificial sensitization. p.67.  
Suetina, I.A. - Changes in the cells of the mammary gland in rats during pregnancy, lactation and hormonal stimulation. p.74.  
Bogomolova, N.A. - Age-related changes in kidneys in white rats. p.80.  
Truupyl'd, A.I.U. - Methodology for the detection of ketosteroids in the cortical substance of the adrenal gland. p.86.  
Pevzner, L.Z. - Histochemical methods in electron microscopy. p.91.  
Bronstein, A.A. - Histochemistry of the olfactory organ. p.106.  
Sutlov, L.S. - Measures to further improve the teaching of cytology in medical institutes. p.117.  
Petr Vasil'evich Makarov, on his 60th birthday. p.124.
- \* BIOKHMIIA [BIOCHEMISTRY] Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.29, no.4, July-Aug. 1964  
Table of contents translated:  
Shol'ts, Kh.F. - Modified amperometric assay of sulhydryl compounds. p.577.  
Felman, A.A., Veksler, V.I., Reznichenko, M.S. - Determination of C-terminal amino acid residues in plant proteins by the hydrazinolysis method. p.583.  
Samsonov, G.V., Ponomareva, R.B. - Study of electrochemical structure of protein molecules and their fragments by sorption methods. p.586.  
Sikanova, V.V. - Study of globulins in the seeds of various bean species by paper electrophoresis. p.590.  
Kimenko, V.G., Berezhovikov, A.D., Leonov, G.B. - Change in the composition of proteins in ripening seeds of lentil, cowpea and chick-pea. p.596.  
Zhukovskii, I.U.G. - Kinetics of simultaneous hydrolysis of sodium phenyl phosphate and sodium glycol phosphate under the influence of acid phosphatase of the human prostate gland. p.602.  
Treubnikina, R.V., Ostrovskii, I.U.M. - Formation of sedoheptulose-7-phosphate in pigeon tissues in acute B<sub>12</sub> avitaminosis caused by oxythiamine. p.609.  
Trotskii, G.V., Okulov, V.I. - Comparison of spectropolarimetric characteristics of denaturation of the bovine serum gamma-globulin with other manifestations of denaturation. p.615.  
Kagan, Z.S., Cholsner, G., Kretovich, V.L. - Biosynthesis of valine and isoleucine in wheat sprouts: dihydroxy acid dehydratase. p.624.  
Dontsova, G.V., Nefakh, A.A. - Increase in cytochrome oxidase activity in homogenates and isolated mitochondria of loach embryos. p.636.  
Popov, A.D., Mazhidraev, D.D. - Study of fat in animals in deep hibernation. p.643.  
Shatunova, N.F. - Intracellular localization of gamma-aminobutyric and glutamic acids. p.647.  
Skulachev, V.P., Dzhanad, Kh., Braizes, A.S. - Oxidation and phosphorylation in mitochondria of the embryonic muscle. p.653.  
Kotel'nikova, A.V., Zviagil'skaya, R.A. - Adenosinetriphosphatase activity in mitochondria of *Endomyces magnusii* yeasts. p.662.  
Firtarova, K.F., Morozkin, A.D., Orekhovich, V.N. - Isolation of proteinase from brain tissues. p.673.  
Olovnikov, A.M. - Use of immunosorbents for determining absolute quantities of haptens and antigens. p.680.  
Drel', K.A. - Glutamine synthetase in the liver of chick embryo during transition to the uricotelic type of nitrogen metabolism. p.685.  
Sheslavskii, V.G., Shabarova, Z.A., Prokof'ev, M.A. - Properties of methyl ester of P<sup>1</sup>-(adenosine-5')-diphospho-(P<sup>2</sup>-3N) phenylalanine. p.680.  
Shamrai, E.F., Zaprometov, M.N. - Localization of radioactivity in the tissues of guinea pigs following injection of C<sup>14</sup>-catechols into the organism. p.697.  
Kritskii, G.A., and others. - Change in the properties of deoxyribonucleic acid of the bone marrow following X-ray irradiation of an animal. p.701.  
Iudaev, N.A., Pankov, I.U.A. - Biosynthesis of 17-hydroxy- and 17-deoxycorticosteroids by the homogenates of the pig adrenal cortex from 4-C<sup>14</sup>-progesterone, 21-C<sup>14</sup>-pregnenolone and 4-C<sup>14</sup>-pregnenolone. p.707.  
Grigor'eva, G.M. - Study of the kinetics of enzymatic hydrolysis of acetylcholine under its constant concentration. p.716.  
Fel'dman, M.I.A. - Nonenzymic model of the inhibitory action of reagent excess. p.720.  
Pollanovskii, O.L., Ivanov, V.I. - Dissociation of aspartic-glutamic transaminase in subunits. p.728.  
Vidershain, G.I.A., Rozenfeld, E.L. - Synthesis of  $\alpha$ -phenyl-L-rhamnopyranoside and its cleavage in animal tissues. p.735.  
Orlovskaya, N.N., Beitzer, V.A. - Study of the N-terminal amino acid sequence in serum albumins of various animals. p.741.  
Bezinger, E.N., Melchakov, M.I., Sisakian, N.M. - Role of lipid compounds in biosynthesis of chloroplast proteins. p.749.  
Kulnev, I.S., and others. - Study of the mechanism of the absorption of orthophosphate of the medium by the mycelium of *Penicillium chrysogenum*. p.759.  
Lubimova, M.N., and others. - Participation of adenosinetriphosphatase in the motor function of the *Mimosa pudica* leaf. p.774.  
Torshinskii, I.U.M., Koreneva, L.G. - Effect of substrate analogs and carbonyl reagents on the anomalous optical rotatory dispersion in aspartic-glutamic transaminase of the heart. p.780.  
Kreps, E.M., Ivanov, I.I. - First All-Union Biochemical Congress. p.791.
- Vol 30, no 1, Jan -Feb 1965  
Table of contents translated:  
Rashba, E.I.A., Kaganskaya, M.B. - Study of the electrophoretic properties of citrate-soluble proteins of the colon bacillus in its variation. p.3.  
Mamukhin, B.N. - Effect of temperature on the kinetics of the adrenergic reaction. p.7.  
Golman, I.U.I.A., Sikanova, V.V. - Precipitation of seed proteins by trichloroacetic acid. p.12.  
Phaev, G.P. - Change in the form and size of actomyosin particles of striated muscles in ontogeny. p.20.  
Nemchinskaya, V.L., Ganelina, L.Sh., Braun, A.D. - Possible role of histones in controlling glycolysis in the thymus nuclei. p.33.  
Torshinskii, I.U.M., Koreneva, L.G. - Study of the anomalous dispersion of the optical rotation of metal chelates of aldimines of  $\alpha$ -amino acids and their derivatives as a method of determining configuration of the asymmetric center. p.39.  
Levitskii, A.P. - Fat splitting by pancreatic lipase. p.45.  
Nagradova, N.K. - Effect of histidine and other chelating agents on the activity of 3-phosphoglycerate dehydrogenase from the muscles of a rabbit. p.50.  
Popova, I.A. - Effect of quinine on the light transformation of violaxanthin in chloroplasts. p.58.  
Aleksieva, M.V. - Study of salt-soluble proteins of the seeds of *Cucurbita pepo* L. by the column gradient extraction method. p.60.  
Morozova, T.M., Gorel', F.L., Salganik, R.I. - Study of the reaction of native and denatured DNA with a chromophore derivative of nitrogen ypicite. p.67.  
Sheslavskii, V.G., Shabarova, Z.A., Prokof'ev, M.A. - Study of the kinetics of ADP-amino acid hydrolysis. p.74.  
Druzhnina, K.V. - In vitro dehydrogenation of 11- $\beta$ -hydroxycorticosteroids in the presence of adrenosterone. p.81.  
Meshkova, N.P., Kariavkina, O.E. - Participation of carnosine and anserine in the glycolytic and oxidative processes in a muscular tissue. p.88.  
Lukomskaia, I.S., Tarasova, O.I. - Trehalose in vertebrates and man. p.95.  
Semina, L.A., Mardashev, S.R. - Purification and crystallization of microbial histidine decarboxylase. p.100.  
Nikol'skaya, I.I., Kisilina, O.S., Tikhonenko, T.I. - Properties of 5'-nucleotidase of the *Vipera lebetina* venom. p.107.  
Shmerling, Zh.G. - Isolation and properties of DNA of sturgeon oocytes. p.113.  
TSanev, R. - Study of the electrophoretic fractionation of RNA in an agar gel by direct densitometry method in an ultraviolet field. p.124.  
Andreeva, N.A. - Transformation of folic acid into coenzyme tetrahydroform by enzymatic systems of plants. p.129.  
Breskii, A.P., Ivanova, L.A., Syechukova, V.V. - Mechanism of the inhibition by choline of the acetylcholine hydrolysis by equine serum cholinesterase. p.137.  
Bychkov, S.M., Khazanova, A.I. - Interaction of chondromucoprotein and chondroitinsulfate A with hexamminocobalt chloride. p.141.

- Vol'kenshtein, M.V., Shmelin, A.K. - Anomalous dispersion of optic activity of dolphin myoglobin and horse hemoglobin. p. 148.
- Karpelskii, M.I.A., Breusov, I.U.N. - Structure of the enzyme-inhibitor complex of aspartic transaminase with L-cycloserine. p. 153.
- Gnuchev, N.V., Neiman, L.A., Poznan'skaia, A.A. - Synthesis of 5-aminolevulinic-(5-C<sup>14</sup>) and 4,5-dioxyvaleric-(5-C<sup>14</sup>) acids. p. 161.
- Gorischenkova, E.V., Ershova, E.A. - Study of the substrate specificity and cofactors of diamine oxidase from the hog kidneys. p. 165.
- Pollanovskii, O.L., Telogdi, M. - Functions of thiol groups of aspartic-glutamic transaminase. p. 174.
- Melik-Sarkisjan, S.S., Goncharov, V.P., Sisakian, N.M. - Amino acid activating enzymes of the chloroplasts of higher plants. p. 183.
- Altunina, V.K., Zagrebel'nyi, S.N., Knorre, D.G. - Transformation of amino acyl-sRNA into dipeptidyl-sRNA by using water-soluble carbodiimide. p. 189.
- Kravchenko, N.A., Kleopina, G.V., Kaverzneva, E.D. - Study of the reaction of carboxymethylation of lysozyme with iodoacetic acid. p. 195.
- Feldman, M.I.A. - Formation of methylene bridges in the reaction of ribonucleic acid with formaldehyde. p. 203.
- EESTI NSV TEADUSTE AKADEEMIA. Toimetised Bioloogilise aetia Izvestia Akademii nauk Eston'skoi SSR. Seria bioloogieskaja [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin Biological Series] Tallinn, vol 14, no.2, 1965.
- \* FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoiuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society] Moscow, vol 50, no 2, Feb 1964.
- Table of contents translated:
- Gusevnikov, V.I., Supin, A.I.A. - Representation of somatic sensory and olfactory receptors in the forebrain hemispheres of the lizard (*Agama caucasicus*). p. 129.
- Serbinenko, M.V., Belova, T.I. - Role of the thalamic nuclei in the activation of the cerebral cortex by pain. p. 138.
- Baklavadzhian, O.G., Adamian, F.A. - Pharmacological analysis of primary responses of the cerebral cortex in ontogenesis. p. 145.
- Vartanian, G.A., Vasilevskii, N.N. - Evaluation of the functional properties and reactions of individual neurons of the central nervous system. p. 153.
- Merkutova, N.A. - Significance of the cerebral cortex in the asymmetrical activity of the respiratory center in rabbits. p. 161.
- Esakov, A.I., Filin, V.A. - Physiological characteristics of the functioning of the taste receptor apparatus. p. 189.
- Kovatenko, E.A., Popkov, V.L., Cherniakov, I.N. - Oxygenation of brain tissue during the inspiration of air and oxygen with an admixture of CO<sub>2</sub>. p. 177.
- Abinder, A.A., Khodas, M.I.A. - Effect of electrical trauma of the central nervous system on oxygen tension and pH in the brain tissue. p. 183.
- Bobkov, I.G. - Role of nodular ganglia of the vagus nerve in the emetic response to aconitine and veratrine. p. 187.
- Bogach, P.G., Grolsman, S.D. - Motor activity of the stomach following liquid diet. p. 193.
- Drzhnevskaja, I.A. - Role of the nervous system in the regulation of the secretory function of the pancreas. p. 199.
- Manukhin, B.N. - Effect of urea on the adrenoreceptors of the blood vessels. p. 205.
- Loekutova, E.A. - Effect of castration and testosterone propionate on the thyroid gland function in male rats of different ages. p. 210.
- Samolovich, I.M. - Mechanisms of the action of serotonin and the antidiuretic hormone on diuresis. p. 217.
- Zubairov, D.M., Potiaev, G.I., Timerbaev, V.N. - Relation of blood coagulation to the electrical potential of the blood vessel wall. p. 220.
- Kornushkin, I.U.D., Osadchii, L.I. - "Mechanotron" recorder of intravascular pressure. p. 225.
- Glagolev, V.P., Emchenko, A.L. - Technique of implanting electrodes into the hypothalamus through the skull base. p. 230.
- Moisevich, V.S. - Calibration of the photoplethysmograph. p. 233.
- Balakhovskii, I.S., and others. - Use of a flow oxyhemometer in conditions of acute experiments. p. 236.
- Bekhtereva, N.P. - "Experimental epileptiform hyperkineses" by I.V. Danilov. p. 241.
- Vol. 50, no 5, May 1964.
- Table of contents translated:
- Voronov, D.S. - Physical electrotone of the nerve of Anodonth. p. 521.
- Kuntsova, M.I.A., Karlov, A.A. - Characteristics of myoneural transmission during a functional synaptic block in crustaceans. p. 531.
- Biagodatova, E.T. - Correlated interaction of cortical motor reactions. p. 538.
- Sollertinskaja, T.N. - Effect of the destruction of various hypothalamic regions on cerebral electrical activity in a rat. p. 546.
- Khashke, V. - Electroencephalographic analysis of the capacity of the cerebral cortex to form temporary connections under urethan anesthesia. p. 557.
- Uryvaev, I.U.V. - Significance of changes in cortical electrical activity for a conditioned motor response. p. 564.
- Kosholeva, G.G. - Role of afferent impulses in the disorders of the reflex activity of the lower extremities due to the ligation of aorta. p. 571.
- Arushanian, E.B., Belozertsev, I.U.A. - Effect of adrenaline and aminazine on the inhibition of spinal reflexes. p. 580.
- Oniani, T.N., Ungladze, A.A. - Effect of muscle stretching on the functional state of the myoneural junction. p. 587.
- Dolgova, Z.I.A., Dotsigov, E.G. - Changes in certain indices of the physiological state of the internal organs under the effect of bromine. p. 593.
- Baranova, N.F., Speranskaja, E.N. - Impaired regulation of the blood sugar level in dogs with Eck-Pavlov fistula. p. 591.
- Kuz'min, B.L. - Osmo- and sodium-sensitive receptors of the pulmonary circulation. p. 603.
- Uspenskii, I.U.N. - Tonometry of the digestive organs and its clinical and physiological significance. p. 608.
- Marchenko, G.M., and others. - Characteristics of glandular secretion in the abomasum of milk-fed and sucking calves. p. 613.
- Natoshin, I.U.V., Leont'ev, V.G. - Pituitrin stimulation of the active transport of lithium across the urinary bladder wall in the frog. p. 618.
- Novikova, A.I. - Age-conditioned changes in the ion content of muscle fibers and their relation to the membrane potential. p. 626.
- Suchkov, V.V. - Appliance for the determination of the circulation rate. p. 631.
- Menitskii, D.N., Beleskova, M.G., Zagoruk'o, T.M. - Separation of physiological factors from physical factors in the leading off of evoked potentials in the central nervous system of the lower vertebrates. p. 637.
- Bernshtein, V.A. - Technique for determining the blood content of tissues. p. 640.
- Seleznev, S.A., and others. - Polyethylene vascular cannulas and their preparation. p. 643.
- Belousov, I.N. - Modified esophageal fistula. p. 644.
- Ivanov, I.S. - Technique for preventing backflow of duodenal contents to the gallbladder in sheep with external biliary duodenal anastomosis. p. 645.
- Vol. 50, no. 6, June 1964.
- Table of contents translated:
- Samsonova, V.G. - Opposite changes in the electro-physiological reaction of assimilation to the frequency of light flashes by the human brain in the presence of vestibular and optokinetic stimulations. p. 649.
- Raeva, S.N. - Electroencephalographic image of irradiation and concentration of nerve processes in the human cerebral cortex. p. 655.
- Volkitskii, E.I.A. - Analysis of slow and ultra-slow periodic components of the human electroencephalogram. p. 664.
- Gombi, R. - Dynamics of the human electrosubcortical in light and sound stimulation. p. 669.
- Solugub, E.D. - Autocorrelation and cross-correlation analysis of "labeled rhythms" in the human EEG during muscular activity. p. 681.
- Ivanova, M.P. - Latent period of motor reactions and  $\alpha$ -rhythm depression during muscular work, hyperventilation and breath-holding. p. 690.
- Farber, D.A. - Generalized responses and evoked potentials in the EEG of newborn infants. p. 697.
- Arshavskaja, E.I. - Characteristics of the electrocardiogram in relation to the transformation of the skeletal musculature in infants. p. 707.
- Zakhar'ants, I.U.Z. - Electromyographic characteristics of muscular work with various loads and rate of movement in humans. p. 716.
- Nidershrat, B.M. - Interaction between antagonistic muscles of the shoulder in children 3-17 years of age. p. 727.
- Il'in, E.P. - Asymmetry in manifestations of the muscular sense. p. 736.
- Panferova, N.E. - The 24-hour rhythm in human functions during restricted mobility. p. 741.
- Liberman, L.L. - Regulation of the insular function in man. p. 750.
- Krasnova, A.F. - Influence of physical exercise on the blood serum protein fractions in elderly persons. p. 758.
- Morozov, V.P. - Methodology for simultaneously recording respiratory movements and speech sounds on the same magnetic tape. p. 762.
- Peron, R.S. - Review of V.A. Kozhevnikov and R.M. Menchikovskii's book "Modern methods for the analysis of encephalograms." p. 765.
- Aleksandr Nikolaevich Kabanov, on his 70th birthday. p. 768.
- Vol. 51, no. 4, April 1965
- Table of contents translated:
- Aronov, M.P. - Changes in the frequency spectrum of the human encephalogram under vestibular and optokinetic effects. p. 413.
- Egorov, V.A. - Transmission time of a proprioceptive impulse to the cerebral cortex in man. p. 420.
- Vasilevskii, N.N., Klimova-Cherkasova, V.I., Vartanian, G.A. - Structural and functional correlations between excitation and inhibition in the central nervous system. p. 424.
- Urmancheeva, T.G., Cherkovlev, G.M. - Electric activity of the cerebral cortex in monkeys of various ages during rhythmic light flashes. p. 431.
- Radionova, E.A., Popov, A.V. - Electrophysiological study of the neurons of the cochlear nucleus in cats. p. 441.
- Sudakov, K.V. - Interaction of the hypothalamus and the reticular formation of the mesencephalon and thalamus in the mechanism of the selective awakening activation of the cerebral cortex in a state of physiological starvation. p. 449.
- Bazanova, I.S., and others. - Morphological and bio-electrical changes in the interneuronal synapses during the transmission of rhythmic impulses. p. 457.
- Choralan, O.G. - Reciprocal interaction of the neurons of the tectum mesencephali in frogs. p. 463.
- Antoshkin, E.D., Nadezhdin, I.V. - Posttetanic potentiation of polysynaptic reflexes in various segments of the spinal cord in frogs. p. 468.
- Pshedetskaja, A.D., Sorokhtin, G.N. - Reciprocity of the steady polarizing potentials of the muscles in the muscle stretching reflex in frogs. p. 472.
- Orlov, V.V. - Study of vascular unconditioned reflexes to thermal stimulations of limited areas of the skin. p. 479.
- Smirnova, N.P., Volodin, V.M. - Analysis of hypothalamic effects on coronary blood circulation. p. 487.
- Serdiuk, N.G., Seiglovskii, V.S., Tsol, I.A. - Regulation of the coronary blood circulation. p. 495.
- Pronin, L.A. - Intrauterine respiratory movements and formation of the function of the respiratory center in rabbit fetuses. p. 501.
- Galitskaja, N.A. - Role of the sympathetic nervous system in the development of contractures originating in traumas of the spinal cord. p. 508.
- Zaks, M.G., and others. - Transport of sodium and potassium in the secretion of milk. p. 513.
- Kosenko, A.F. - Methodology of cooling and warming the hypothalamic region in chronic experiments on dogs. p. 520.
- Dmitrienko, A.M. - Methodology of intravenous injections in chronic experiments on animals. p. 522.
- Vol. 51, no. 5, May 1965.
- Table of contents translated:
- Leushina, L.I., Vinarskaja, E.N. - Role of the inferior parietal region on the regulation of the gaze. Regulation of the saccadic movements of the eyes. p. 529.
- Hmyria-Novyy, V.A. - Changes in the evoked potentials in dogs under the effect of nembutal anesthesia. p. 538.
- Micklene, V., Mickis, A. - Differences in the effect of phenamine and physostigmine on the electroencephalogram in rabbits. p. 544.
- Kovnenko, E.A., Kozinev, V.B. - Oxygen supply of the brain in circulatory hypoxia. p. 547.
- Teplov, S.I. - Role of the adrenergic mechanisms in the origin of prolonged changes in the electrocardiogram and blood pressure following attenuation of the hypothalamus. p. 554.
- Looga, R., Kull, M., Looga, L. - Changes in the arterial pressure and cardiac rhythm in dogs following introduction of adrenaline. p. 564.
- Badalov, L.I. - Synthesis of the mediator in the axonal endings of an adrenergic neuron. p. 572.
- Putintseva, T.G., Boryshova, L.V. - Identity of stimulating substances excreted from the heart in frogs under the effect of various cholinomimetics. p. 578.
- Sazonov, S.I.A. - Dependence of the intracocular pressure on the general blood pressure. p. 585.
- Ivanov, K.P., Rashevskaja, D.A., Slepchuk, N.A. - Role of various skeletal muscles in chemical thermoregulation. p. 593.
- Vasilenko, V.A. - Influence of thyroid hormone on the renal function in the process of compensatory hypertrophy. p. 601.
- Fomina, L.S., Pavlova, Z.M. - Adaptation of the pancreas to the type of food. p. 607.
- Remorov, V.A. - Gastric motor function in pikes following vagotomy. p. 613.
- Barbasova, Z.I., Brelido, G.I.A. - Changes in the osmotic resistance of erythrocytes in muscular training. p. 621.
- Kapshuk, A.P., Tsapenko, V.F. - Methodology of the implantation of electrodes for electroencephalographic observations on rabbits. p. 620.
- Breslav, I.S. - Methodology for biopsy of the mammary gland in goats. p. 631.
- Andrei Vladimirovich Lobedinski; an obituary. p. 634.

Vol. 51, no. 6, June 1965.

- Table of contents translated
- Kvasov, D. G. - Some aspects of Aleksai Alekseevich Ukhomskii's contribution to science. p. 637
- Ufand, I. M., Stoma, M. F. - Rhythm assimilation in proprioceptive reflex centers of the intact organism. p. 646
- Zhukov, E. K. - Correlation between depolarization and contraction in various skeletal muscles in mammals. p. 653
- Laimanizova, L. V. - Correlation between cellular potentials and physiological parameters of tissue. p. 663
- Shapovalov, A. I., Arushanian, E. B. - Effect of the stimulation of the brainstem and motor cortex on the activity of neurons of the spinal cord. p. 670
- Kovtun, S. D., Sil'ko, E. I. - Effect of strychnine on the rhythmic activity of the binocular reflex arc. p. 681
- Sologub, M. I. - Intracellular resting potentials of surviving sensory neurons. p. 686
- Grigor'yan, R. A. - Effect of phylogenetically different structures of the cerebellum in cats on extensor monosynaptic reactions. p. 693
- Kostluk, P. G., Geisimov, V. D., Malskii, V. A. - Reactions of giant nerve cells to an interruption of hyperpolarizing current. p. 703
- Vasilevskii, N. N. - Relation of the background activity of neurons of the somatosensory cortex and the characteristics of their functional organization. p. 711
- Sverdlov, S. M., Maksimova, E. V. - Effect of antidromic impulses on the spontaneous activity of the inferotemporal spinal neurons in cats. p. 717
- Sergievskii, M. V., Gabbakhanov, R. Sh., Nenashov, A. A. - Autonomic activity of the respiratory center. p. 723
- Val'dman, A. V., Ma Chuan'-gen [Ma Ch'uan-keng]. - Effect of narcotics and amphetamine on respiratory reactions evoked by stimulating the bulbar reticular formation. p. 732
- Marevskaya, A. P. - Physiological characteristics of the musculus levator palpebrae. p. 741
- Predtechenskaya, K. S. - Posttrophic changes in reflex responses of the ventral root to rhythmic stimulations of an afferent nerve. p. 749
- Tonkikh, A. V., Il'ina, A. I., Teylov, S. P. - Changes in the electrical activity of the hypothalamus following stimulation of a sensory nerve and introduction of adrenalin. p. 755
- Bulygin, I. A., Balakulina, E. I. - Neurohumoral interoceptive reflex chain reactions. p. 762
- Gromova, E. A., Tkachenko, K. N., Pivodina, V. M. - Characteristics of the functional connections of various regions of the hypothalamus in rabbits. p. 768

\* FIZIOLOGIYA RASTENII [PHYSIOLOGY OF PLANTS] Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 12, no. 2, Mar.-Apr. 1965

- Table of contents translated
- Zholkovich, V. N., Chelovnikov, A. G., Rogacheva, A. A. - Probable participation of free radicals in the biological processes of energy transfer. p. 103
- Rubin, B. A., Chernavina, I. A., Rendeleva, T. E. - Role of flavoprotein and copper-containing protein enzymes in the oxidative metabolism of plants with variegated leaves. p. 204
- Samorodova-Bianki, G. B. - Interrelationship between flavonol and ascorbic acid accumulation in black-currant berries. p. 210
- Chirkova, T. V., Soldatnikov, S. V. - Channels of oxygen conduction from leaves to roots kept under anaerobic conditions. p. 216
- Samuilov, F. D. - Study of the relationship between respiration and water absorption in corn with the aid of heavy water ( $D_2O$ ). p. 226
- Lutkova, I. N., Ologhko, P. M. - Effect of electric current on the stratification of cherry seeds. p. 233
- Zonchanko, V. A. - Nonenzymatic oxidation in the seed embryos of wheat of northern origin. p. 242
- Zauratov, O. A., Gubar', G. D. - Secretion of nectar in buckwheat under various conditions as related to respiration. p. 249
- Oshpova, O. P., Ashur, N. I. - Chloroplast structure in the leaves of corn grown under various light conditions. p. 257
- Zak, E. G. - Effect of molecular oxygen on the formation of amino acids during photosynthesis in *Chlorella* under various conditions of light. p. 263
- Brovchenko, M. I. - Movement of sugars from the mesophyll to the conducting bundles of sugar beet leaves. p. 270
- Anisimov, A. A. - Effect of ammonium sulfate on the movement of assimilates in sugar beets. p. 280
- Pavlov, A. N., Kolesnik, T. I. - Use of nitrogen in the synthesis of various proteins in corn kernels studied with the aid of  $N^{15}$ . p. 285
- Shul'gin, I. A. - Effect of the spectral composition and intensity of light on the development of plants cultivated under conditions of various photoperiods. p. 289

- Bereznevskaya, L. N. - Effect of gibberellic acid on respiration and oxidative phosphorylation in belladonna seeds. p. 301
- Smirnov, K. V., Perepelitsyna, E. P. - Effect of gibberellin on seedless grape varieties and their products. p. 308
- Kazarlan, V. O., Balagezian, N. V., Karapetian, K. A. - Effect of fruit on the physiological activity of apple-tree leaves. p. 313
- Korneva, E. I. - Dormancy period in the rhizomes of pepper mint. p. 320
- Drozdov, S. N., Sycheva, Z. T. - Dependence of the frost resistance of potato vines on the rate of nitrogen metabolism. p. 325
- Sheviakova, N. I., Loshadkina, A. P. - Variation of the sulfhydryl group content in plants under the effect of salinization. p. 332
- Spiridonova, N. S. - Effect of ascorbic acid on the translocation of water in plants. p. 340
- Azizov, I. M., Amaeva, S. D. - Role of phenol compounds in the ontogeny of apple. p. 342
- Amanov, M. A. - Water balance in some wheat varieties under the conditions of dry farming in Uzbekistan. p. 343
- Gorid'ko, I. V. - Effect of cobalt on the rate of photosynthesis in potato leaves. p. 346
- Savitskaya, N. I. - Free amino acid content in barley plants under conditions of soil moisture deficiency. p. 349
- Pashukhova, V. M. - Improved formation of generative organs in wheat sown at an early date. p. 351
- Zakharova, N. I., Salov'ev, V. P. - Polarographic determination of manganese in plant ash. p. 357
- Gamburg, K. Z. - Separation of indoleacetic oxidase from an indoleacetic oxidase inhibitor by gel filtration on Sephadex G-25. p. 361
- Litvin, F. F., Khe 1-Tan [Ho 1-Pan], Elmstev, E. I. - Polarographic method for studying the kinetics and action spectra of photosynthesis. p. 364
- Rvachev, V. P., Palamalik, V. E. - Calculation of the quantum yield of photosynthesis. p. 371

FRUNZE, BOTANICHESKII SAD. Izvestiya [BOTANICAL GARDEN, Bulletin], No. 1, 1964.

- Table of contents translated
- Gareev, E. Z. - Selection of parent forms for breeding. p. 5
- Gareev, E. Z. - Apricot breeding in the Botanical Garden. p. 13
- Litvinov, N. A. - Advance of apple trees into the alpine areas of the central Tien Shan. p. 19
- Myrzat'ev, S. P. - Fruit culture in the Chu Valley. p. 33
- Protopopov, G. F. - Seeds of birches grown in the Frunze Botanical Garden and their germinating capacity. p. 39
- Vandyshcheva, V. I., Dzhamankulov, M. M. - Testing some varieties of soybeans. p. 51
- Pototskaya, I. U. S. - Biology of roses in the Chu Valley. p. 59

GIDROBIOLOGICHESKII ZHURNAL [HYDROBIOLOGICAL JOURNAL]. Organ of Otdeleniya obshchestvennoi biologii Akademii nauk Ukrainii SSR [Department of General Biology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 1, no. 2, 1965

- Table of contents translated
- Karpevich, A. F. - Change in the productivity of the Sea of Azov following the regulation of streamflow, present state of the Sea of Azov. p. 3
- Kuz'menko, N. M. - Hydrochemical characteristics and regionalization of rivers and temporary currents of water in the Crimea. p. 15
- Shimanskii, B. A. - Technological and hydrobiological characteristics of water cooling reservoirs of the thermal electric power stations. p. 22
- Balunov, G. V. - Isotope exchange in the hydrobiological system and its significance. p. 27
- Greze, V. N. - Growth rate and productive possibilities of fish populations. p. 35
- Melnikov, G. B., Chaplina, A. M. - Ichthyofauna and prospects of using Kal'mius and Gruzskiy Yelanchik Rivers for fish farming. p. 43
- Luk'janenko, V. I., Flerov, B. A. - Characteristics of the species of freshwater fishes as to their sensitivity and resistance to phenol. p. 46
- Puzanov, I. I. - Successive stages in the mediterraneanization of the Black Sea fauna, new data. p. 54
- Poltavchuk, M. A. - Efficiency of pike perch and bream spawning. p. 55
- Dyga, A. K. - Biology of *Dreissena polymorpha* of Dnieper Reservoir. p. 66
- Merzhiko, A. I. - Effect of amino acids on the growth and development of *Anabaena variabilis* in culture. p. 68
- Chernousova, V. M. - Blue-green algae, new indicators of pollution. p. 69
- Pyrina, I. L. - Underwater integrating photometer. p. 61
- Grigor'ev, B. F. - Iakov Iakovlevich Tseeb; on his 80th birthday. p. 68
- Vodjanitskii, V. A. - Viktor Sergeevich Ivlev (1907-1964). p. 71

Vol. 1, no. 3, 1965.

- Table of contents translated
- Karpevich, A. F. - Change in the productivity of the Sea of Azov following regulation of the runoff of rivers. p. 3
- Gor'kunov, K. V. - Basic characteristics of the change in the natural complex of the bodies of water in the Volga Delta and outer delta. p. 13
- Trofimova, L. M. - Distribution of heterotrophic micro-organisms in the Red Sea and the Gulf of Aden. p. 24
- Trofimova, L. M. - Study of the food supply for fishes in the Yegorlyk Reservoir, Stavropol Territory. p. 33
- Zinbalevskaya, L. N. - Invertebrate communities in the undergrowth of higher aquatic plants of the middle course of the Dnieper River. p. 38
- Flerov, B. A. - Effect of phenol on the conditioned response activity in fishes. p. 49
- Okalik, O. P. - *Stephanodiscus hantzschii* Grun. as an ornamental organism giving water a fishy flavor. p. 50
- Kistakovskii, A. B. - Use of compressors for controlling fish death in rivers. p. 53
- Gushko, I. A. M. - Effect of aluminum compounds on fishes and their food supply. p. 55
- Zhuravel', P. A. - Acclimatization of the fauna of the Uman-Caspian type in reservoirs of the Ukraine. p. 59
- Tseeb, I. A. - Ivan Ivanovich Puzanov, on his 80th birthday. p. 66
- Guv'ich, V. V. - Sixth Congress of Polish Hydrobiologists. p. 69
- Zenkevich, L. A. - First Congress of the All-Union Hydrobiological Society. p. 70

MIKROBIOLOGICHESKII ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Institut mikrobiologii Akademii nauk URSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 27, no. 3, 1965.

- Table of contents translated
- Bial, V. I., Zakordonets, L. A. - Biosynthesis of free amino acids by various species of *Fusarium* Lk. p. 3
- Zakordonets, L. A. - Biosynthesis of free amino acids by microscopic fungi. p. 6
- Pavlova, I. M. - Nucleic acid formation by hemolytic *Streptococci*. p. 12
- Man'kovskiy, A. V. - Toxicity of cultural filtrates of *Proteus* of various origin. p. 17
- Fal', N. I. - Study of antigenic substances of *Streptococcus viridans*. p. 20
- Lisova, S. P. - Effect of prolonged preservation of tumor tissue in formalin on its antigenic properties. p. 24
- Shkol'nik, L. A., Zatulovskiy, B. H., Handzil, H. P. - Electron microscopic study of Prowazek's Rickettsia in the intestinal cells of the body louse. p. 28
- Kryshat'skaya, L. R., Leshechuk, I. P. - Role of phagocytes in *Staphylococci* in the origin of surgical infections. p. 35
- Mit'ko, O. O. - Fungi isolated from water of the Soviet section of the Danube River. p. 38
- Skefenko, A. O., Isakova, V. M. - Some characteristics of carbohydrate and nitrogen metabolism in sugar beets affected with yellowing virus. p. 44
- Baratova, D. F. - Bean mosaic in the Ukraine. p. 49
- Kiprianova, O. A. - Effect of streptomycin, blomycin and levomycetin on the synthesis of group B vitamins by dysenteric bacteria. p. 53
- Ponomareva, M. I. - Effect of antibiotics on cocci as causative agents of mastitis in brood sows. p. 59
- Kudrjavtsev, V. O. - Development of the resistance of pyogenic *Staphylococci* to immanin and novimannin. p. 65
- Vasylevskaya, I. O., Lysenko, L. M., Rotmistrov, M. M. - Habituation of *Staphylococci* to halogen salicylanilides and some antibiotics. p. 71
- Derbeneva, N. A., Matvienko, S. O., Omet'chuk, T. I. A. - Antimicrobial activity of preparations from some sage species. p. 76
- Vladymyrov, O. V. - Hydrolytic enzymes of actinomycetes and their role in decomposing organic matter in the soil. p. 81
- Tokin, B. P. - Vasilii Gavrilovich Ushakov, on the hundredth anniversary of his birth. p. 89
- Zelepukha, S. I., Karpenko, M. K., Kharchenko, S. M. - Second Congress of the Ukrainian Microbiological Society. p. 91

\* MIKROBIOLOGIYA [MICROBIOLOGY]. Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 34, no. 2, Mar.-Apr. 1965.

- Table of contents translated
- Belov, I. M., Sifton, I. G. P., Ivanov, I. D. - Nitrogen fixation as a hydrogen-acceptor process. p. 193
- Rabotnova, I. I., Nikitina, K. A., Grechushkina, N. N. - Factors determining oxidation-reduction potential drop in sporeforming aerobic bacteria cultures. p. 200



- Osnitskaya, L. K. - Photosynthetic development of purple sulfur bacterium *Chromatium vinosum* within narrow ranges of the spectrum p. 204
- Zhevnier, V. D., Gusev, M. V., Sheshtakov, S. V. - Change in the composition and content of pigments in blue-green algae as related to the spectral composition of light and illumination degree p. 209
- Ievlev, M. M., Iudina, O. D., Gotovtseva, V. A. - Effect of organic acids on the production of penicillin acylase by *Bacterium faecalis* alcaligenes p. 310
- Cherkes, L. D., Slezak, I. - Lysine decarboxylase production by submerged cultures of *Bacterium cadaveris* p. 223
- Kondrat'eva, T. F., Pimirova, M. N. - Some data on the utilization of acetate by *Chlamydomonas globosa* p. 230
- Kulash, I. V. - Effect of the age of *Escherichia coli* and *Staphylococcus aureus* cultures on acetylation process p. 236
- Krasil'nikov, E. N. - Homolactic fermentation by *Lactobacterium delbrückii* as related to the composition of the medium p. 239
- Skvortsova, I. N. - Some data on the products of the vital activity of Actinomycetes subspores as related to the production of albumin by it p. 245
- Koshcheenko, K. A., Skriabin, G. K. - Deacetylation of cortisone acetate with the help of molds p. 252
- Logunova, L. G., Tashpulatov, Zh. - Thermophilic cellulase-producing fungus *Aspergillus fumigatus* p. 258
- Aliferdiev, A. A. - Preservation of viability by microorganisms under extremely low temperature p. 265
- Rzhanova, G. N., Gorjunova, S. V. - Amino acid composition of the blue-green alga *Phormidium uncinatum* (AG) Gom. p. 268
- Bolokova, T. S. - Carotenoid pigments of mycobacteria and yeast p. 273
- Zenova, G. M. - Melanoid pigments in actinomycetes p. 278
- Krasil'nikov, N. A. - Brown group of Actinobifida chromogenes n. sp. p. 284
- Potehkina, L. I. - Streptosporangium rubrum n. sp., a new species of the genus Streptosporangium p. 292
- Trenina, G. A., Bibikova, M. V., Sarukhanova, L. E. - Production of mutants with oxidation defect in various yeast species p. 300
- Zhil'tsova, G. K., Imshenetskiy, A. A. - Possibility for identifying nucleoids in the cells of bacteria as related to the age of their cultures p. 305
- Stefanov, S. B., Nikitin, D. I. - Submicroscopic bodies in soil suspensions p. 313
- Pavlenko, V. F. - Mold content in peat, soil and brown coal p. 318
- Popova, T. E. - Requirement in specific nutritive substances by *Verticillium dahliae* Kleb., causative agent of the cotton wilt p. 324
- Gorlenko, V. M., Kuznetsova, V. A. - Effect of temperature on the development of microorganisms from flooded layers of the Romashkino Oil Field p. 329
- Lalikova, N. N., Sokolova, G. A. - Microbiological characteristics of some ore deposits of central Kazakhstan p. 335
- Maksimova, I. V., Fedenko, E. P. - Effect of oxidation-reduction potential on the development of bacteria in algal cultures p. 344
- Romanenko, V. I. - Microbiological study of Lake Onega, Vygozero Reservoir and lakes of the White Sea-Baltic Canal region p. 350
- Markanovich, E. M. - Planococcus isolated from water of the Mediterranean Sea p. 357
- Bogdanova, V. M. - Distribution of microflora in the rocks and waters of tertiary deposits of the northern part of the Caspian Lowland (Furmanovo area) p. 361
- Kalakatiskii, L. V., Rzhigachek, Z. - Benzidine method for detecting cytochromes in microbial cells p. 368
- Averkiev, I. S. - Basic problems and tasks of the microbiological control of May beetles p. 370
- Mishustin, E. N. - Eight International Congress of Soil Scientists p. 377
- Gorjunova, S. V. - Studies of microscopic algae; papers of the Sixth Congress of Hungarian Biologists p. 380
- MOSCOW UNIVERSITET. Zoologicheskii muzei. Sbornik trudov [UNIVERSITY Zoological Museum. Papers] Vol. 9, 1965
- Table of contents translated:
- Demen'ev, G. P., Shagdasuren, A. - Mongolian saker and the taxonomic position of the Altai gyrfalcon p. 3
- Gladkov, N. A., Zaitsev, V. S. - Observations on birds of the Anabar tundra (transpolar Yakutia, Northwest) p. 38
- Uspenskii, S. M. - Materials on birds of the northern Anabar tundra p. 63
- Spangenberg, E. P. - Birds of the Iman River basin p. 68
- Sudilovskaya, A. M. - Interesting acquisitions of the last few years by the Ornithological Section of the Zoological Museum of the Moscow University p. 203
- Rakhilin, V. K. - Interesting ornithological finds in the Far East p. 214
- Plushenko, E. S. - New bird species in Ryazan Province p. 217
- Plushenko, E. S. - Taxonomy and distribution of the ortolan bunting-*Emberiza hortulana* L. p. 220
- Stepanian, L. S. - Nomenclature of the Pamir-Tien Shan grosbeak *Mycerobas carpinus* Hodgson of the juniper forests p. 225
- Stepanian, L. S. - Geographical variability of the rock thrush - *Monticola saxatilis* L. p. 228
- Gofman, D. N. - Cartilage of the palatine bone of the skull in birds p. 232
- MOSKOVSKOE ONSHCHESTVO ISPYTATELEI PRIRODY. Bulletin. Oldel biologicheskii [MOSCOW NATURALISTS' SOCIETY. Bulletin. Biological Section] Moscow, new series, vol. 70, no. 1, Jan-Feb 1965
- Table of contents translated
- Koshkina, T. V. - Population density and its significance in controlling the abundance of the red-backed bank vole p. 5
- Borodin, L. P. - Desman and muskrat, ecological relationship of these species and their economic significance p. 20
- Nadeev, V. N. - Methods of the quantitative census of the sable p. 33
- Flerov, K. K. - Comparative crantology of present representatives of the genus *Bison* p. 40
- Sukachev, V. N., and others. - New data on the interglacial flora in the central part of the Russian Plain p. 55
- Skripchinskii, V. V., Skripchinskii, V. V. - Annual cycles of the morphogenesis of some species of Liliaceae in the Stavropol Territory and their significance for the theory of ontogeny p. 85
- Kolishchuk, V. G. - Morphogenesis and growth dynamics of the green alga (*Alnus viridis* D. C.) in the Ukrainian Carpathians p. 103
- Tikhomirov, V. N., Galakhova, O. N. - Materials on the morphology of the group Angelicaceae. Report No. 1. Study of the fruit anatomy of *Angelica sylvestris* L. as a lectotype of the genus *Angelica* L. p. 111
- Dolokhova, N. A. - Mycotrophic nutrition of grasses p. 119
- Iurisev, B. A. - Taxonomic position of *Eriophorum japonicum* Maxim. p. 127
- Efimova, T. P. - Some distinctive characters of the flora of the Udmurt A.S.S.R. p. 130
- Verbitskaya, V. N., Astaurov, B. L. - Fertility of allotetraploid male silkworms during the first four generations of the tetraploid line p. 140
- Privalov, G. F. - Somatic radiomutations by the box elder (*Acer negundo* L.) p. 153
- Bazykin, A. D. - Possibility of sympatric species formation p. 161
- MOSKOVSKOE ONSHCHESTVO ISPYTATELEI PRIRODY. Trudy. Oldel biologicheskii [MOSCOW NATURALISTS' SOCIETY. Transactions. Biological Section] Moscow, vol. 23, 1965
- Table of contents translated
- Zhuravlev, A. I. - Foreword p. 5
- Tarusov, B. N. - Opening address p. 7
- Alibabae, K. A., and others. - Mechanism of chemiluminescence of oxidation reactions in solutions p. 8
- Koshcheenko, N. N., Veselovskii, V. A., Zhuravlev, A. I. - Bioluminescence p. 10
- Vladimirov, I. A., Litvin, F. F. - Mechanism of ultraweak luminescences in biological systems p. 51
- Adzhina, S. N., Tarusov, B. N., Avakian, T. S. M. - "Oxygen effect" of bioluminescence p. 60
- Gashin, R. A., Mamedov, T. G., Tarusov, B. N. - Spontaneous and induced ultraweak luminescence of plant organisms p. 64
- Katibnikov, M. A., Konev, S. V. - Characteristics of bioluminescence of plant tissues p. 69
- Zhuravlev, A. I., Filippov, I. N., Simonov, V. V. - Chemiluminescence and antioxidative properties of human lipids p. 75
- Popov, G. A. - Use of the chemiluminescent method for studying oxidation reactions, induced in the biosubstrate, as related to the degree of its damage p. 80
- Alekseeva, S. I., Benevolenskiy, V. N., Druzhinin, I. P. - Ultraweak chemiluminescence caused by the reaction of the native aqueous-saline extract of the rat liver with the supernatant from a boiled homogenate p. 89
- Silaev, I. V., Emanuel, N. M., Sapezhinskii, I. I. - Studying the recombination of free radicals of irradiated protein and polymethacrylic acid by the electron paramagnetic resonance and chemiluminescent method p. 102
- Mamedov, T. G., Tarusov, B. N., Kinson, N. A. - Luminescence method for studying free radical states p. 107
- Veselovskii, V. A., Koshcheenko, M. N., Benevolenskiy, V. N. - Chemiluminescence and toxicity of hydrogen peroxide and cysteine reaction products p. 112
- Sapezhinskii, I. I., Silaev, I. V. - Development of luminescence under the action of glutathione and acid on serum albumin p. 117
- Emanuel, N. M., and others. - Chemiluminescence of DNA solutions following X-ray irradiation p. 119
- Sapezhinskii, I. I., Emanuel, N. M. - Effect of some radioprotective substances on the afterglow of serum albumin solutions p. 122
- Tarusov, B. N., Zhuravlev, A. I. - Bioluminescence of lipids p. 125
- Zhuravlev, A. I. - Anomaly of lipid chemiluminescence p. 133
- Guvich, A. A., Kremeev, V. I. - Mitochondrial inhibition as chemiluminescence. Interaction between fluorescence processes and those similar to photorescence in living systems p. 135
- Chumakova, R. I. - Relation between the luminescence of luminous bacteria and the metabolic activity p. 142
- Gimel'zon, I. I., and others. - Bioluminescence as a hydrologic and biological factor in a sea p. 177
- Golub, S. I. - Luminescence of Phytoplankton p. 176
- Molozova, G. B., Kholzova, L. L. - Studying chemiluminescence of the thermal decomposition of hydrogen peroxide in water p. 101
- Ponomarenko, A. A. - Chemiluminescent quantitative analysis p. 165
- Vasil'ev, R. F. - Photoelectric devices for studying weak luminescences p. 110
- Fish, A. M., Sapezhinskii, N. M., Chumakova, R. I. - Recording ultraweak bioluminescence by means of a photomultiplier p. 177
- Konev, S. V. - Nature and biology of significance of ultraweak cell luminescences p. 181
- Zhuravlev, A. I. - Problems of bioluminescence p. 184
- Gitel'zon, I. I. - Correlation between bioluminescence and chemiluminescence of biological substrates p. 194
- Kulin, E. T. - Effect of the radiation interaction of cells on intracellular glycolytic processes p. 199
- Vasil'ev, R. F. - Some problems of the mechanism of chemiluminescence p. 198
- Tikhov, L. F. - Chemiluminescence of oleic acid p. 203
- Tarusov, B. N. - Concluding remarks p. 200
- RASITEL'NYE RESURSY [PLANT RESOURCES] Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 1, no. 1, 1965
- Table of contents translated:
- Iedov, A. A. - Plant resources of the U.S.S.R. for the national economy and medicine p. 5
- Kondratenko, P. T., Gubanov, I. A. - State of and prospects for research work on medicinal plants in the U.S.S.R. p. 10
- Shvelina, A. N. - Biologically active compounds in higher fungi p. 31
- Kozhina, I. S. - Studying biologically active substances in higher plants p. 42
- Shteynko, S. D., Medvedeva, L. I. - Problem of the colors of plant origin p. 60
- Sokolov, P. D. - Polygonum coriathum as a tanning material and the most important problems of its study and introduction p. 85
- Sharapov, N. I., Tikhomirov, G. N., Seredukin, G. B. - Plant resources for the production of antibiotics in the U.S.S.R. p. 60
- Andsimova, K. I., and others. - Larch as a source of the production of a series of useful substances p. 74
- Pankova, I. A. - Common reed *Phragmites communis* Trin. and its economic importance p. 61
- Larin, I. V. - Feed resources of natural grasslands in the U.S.S.R. p. 91
- Sokolov, V. S. - New silage plants p. 97
- Teglabov, F. T., Chumalov, T. K., Chumalov, N. K. - Triterpene glycoside silymarin from the roots of bladder campion p. 102
- Bzhalava, A. N. - Results of a chemical study of tunicate shellac p. 107
- Medvedov, P. P. - Brief results of the introduction of feed types of mallow in the U.S.S.R. p. 108
- Kamov, I. A., Chokalskaya, I. I., Iakimovskaya, L. F. - Polygonum weyrichi as a promising silage crop for White Russia p. 115
- Gritsk, Z. I. - Cup plant as a promising silage crop for Bukovina p. 118
- Falina, N. N., and others. - Some results of studies of Basidiomycetes as a source for obtaining feed proteins and diet-deficient amino acids p. 122
- Chevretekh, S. Kh., Puzner, L. E., Mart'yanov, A. N. - Where science joins production p. 128
- Krasil'nikov, P. K., Nikitin, A. A. - Estimating the resources of mountain cranberries, whortleberries, bog bilberries, and cranberries in the forest zone of the European part of the U.S.S.R. p. 130
- Kuznetsova, G. A., Kuz'mina, L. V. - Use of thin layer chromatography for identifying natural coumarins and furcoumarins p. 140
- Pigulevskii, G. - Third International Congress on Essential Oils p. 152

'skii, N. V., Sokolov, V. S., Churilov, A. K. - 2nd Seminar - Conference on New Silage Plants 1964

ner, L. E., Sokolov, P. D., Cheveridze, S. Kh. - Expedition to Central Asia for the study on *Polypodium corallinum* p. 157

alova, Z. G. - Activity of the Scientific Council for the Problem "Biological Basis for the Effective so, Transformation, and Conservation of the ant World " p. 161.

nov, I. A., Kondratenko, P. T., Shuster, A. I. - st of preparations proposed by the staff members the All-Union Institute of Medicinal and Aromatic rbs and permitted for release and use in medical actice by the Pharmacological Committee of the nistry of Health for the period 1948-1964 164

**TIVNYI ZHURNAL BIOLOGICHESKAI KHI-**  
[Odel'nyi vypusk 306] [JOURNAL OF AB-  
TS BIOCHEMISTRY (Separate Issue 306)]  
[by Institut nauchnoi informatsii Akademii nauk  
Institute of Scientific Information of the Acad-  
f Sciences of the U.S.S.R.] Moscow, nos. 9-12,  
une 1965

**TIVNYI ZHURNAL BIOLOGIA [JOURNAL OF**  
**FACTS: BIOLOGY]** Issued by Institut nauchnoi  
atsii Akademii nauk SSSR [Institute of Scientific  
ation of the Academy of Sciences of the U.S.S.R.]  
w, no. 12, June 1965

**I'KYI BIOKHIMICHNYI ZHURNAL [UKRAINIAN**  
**EMICAL JOURNAL]** Published by Instytut Bio-  
Akademii nauk URSR [Institute of Biochemistry  
Academy of Sciences of the Ukrainian S.S.R.]  
vol. 38, no. 5, 1964.

ble of contents translated:  
ova, I. E., Veremienko, K. M., Antonian,  
u. - Separation of serum trypsin inhibitors and  
study of their influence on tryptic hydrolysis  
arious substrates. p. 613.

ova, H. P., Korotkurachko, V. P. - Isolation  
study of the fractional nature of specific  
tens of blood sera in carcinomatous rabbits  
cancer patients. p. 654.

ko, V. I. E., Khaidina, B. I. - Brain polygluco-  
- p. 665.

skov, E. Z. - Ammonia - glutamic acid -  
amine system of the brain under the combined  
on of hypothermia and increased oxygen  
ssure. p. 673.

yi, M. D., Zriakov, O. M. - Effect of serotonin  
free nucleotide content in the brain tissue  
abbits. p. 679.

seva, O. P. - Intensity of the exchangeability  
mide groups of glutamine and proteins in  
in following the injection of  $N^{15}$ -glutamic acid.  
35.

ov, O. M. - Role of polyphenols in the oxidation  
coric acid in animal tissues. p. 697.

q. M. - Effect of dehydroascorbic acid on the  
of ascorbic acid reaction. p. 705.

ov, V. M. - Effect of the oxidation products of  
cholamines on the adenosinetriphosphatase  
vity of myosin. p. 711.

chukova, E. P. - Effect of cortisone and sodium  
phosphate on the content of some electrolytes in the  
blood and tissues. p. 716.

vich, L. G. - Effect of muscular activity and  
rimental training on the content and iodine  
ber of lipids of rat tissues. p. 726.

va, V. I., Solov'eva, T. I. A., Grum, A. I. -  
y of oligosaccharides in some plants. p. 735.  
vikov, A. D., Klimenko, V. G. - Nitrogen-  
aining substances in some organs of the broad  
i (*Vicia faba* L.) during the process of their  
velopment. p. 749.

K. O. - Formation of glycyl in the liver of the  
k embryo. p. 751.

S. I., Shvel's, S. F. - Concentration of con-  
ted phenol compounds in the tissues of the liver  
the walls of the alimentary tract of fetuses and  
t cattle. p. 756.

y, V. A. - Effect of malic and glyoxylic acids on  
incorporation of acetate- $1-C^{14}$  in the lipids of  
rabbit liver. p. 767.

nko, H. V., Chahobets, R. V. - Changes in the  
ulphonic content in the liver of normal and  
diabetic rats under the influence of cortisone-  
ate. p. 772.

il, I. U. F. - Chromatographic and spectrophoto-  
ic studies of carotenoids in the algae *Dunaliella*  
ia Teod. and determination of their biological  
vity. p. 778.

l'el'ki, N. H. - Creatine content and the  
vity of adenosinetriphosphatase: creatine-phos-  
phatases in the uterine muscles of rabbits.  
4.

iko, R. O., Diachenko, M. P. - Quantitative  
mination of zinc in biological material. p. 791.  
evskii, on his 80th birthday. p. 800.

Vol. 37, no. 2, 1965.

Table of contents translated:  
Lishko, V. K. - Study of the specificity of cathepsin  
in the bovine brain. p. 103.

Dakhar, R. B., Hulyi, M. F., Muzel', E. B. -  
Some properties of crystalline and purified non-  
crystalline glucose oxidase preparations from  
*Penttilium vitale* Pidolet et al. p. 109.

Shutov, A. D., Vainitau, I. A. - Use of the zone  
precipitation method for the separation of legum-  
inuous seed globulins. p. 177.

Troits'kiy, H. V., Olalov, V. I., Kyryukhin, I. F. -  
Study of the denaturation of egg albumin by the  
method of spectropolarimetry in conjunction with  
other physicochemical methods. p. 182.

Varets'ka, T. V. - Obtaining fibrin monomer and  
studying some of its properties. p. 194.

Ky'cheva'ka, R. I. - Effect of thyroid hormone on  
sulphydryl groups and the enzymatic activity of  
oxidase of D-amino acids. p. 207.

Rogovkin, V. A., Afai, I. A. A. - Activation of amino  
acids in the cytoplasm of skeletal muscles and  
liver during training. p. 219.

Mukhtyskiy, A. V. - Activity of some Proteus  
enzymes of various origin. p. 222.

Aleksieva, I. M. - Changes in the blood serum protein  
content of a recipient following transfection of  
protein blood substitute (BK-6). p. 226.

Hasiko, H. P. - Preparation of two isoenzymes of  
of swine serum. p. 231.

Sorokin, P. P. - Amino acid composition of gram-  
positive and gram-negative bacteria. p. 239.

Kommalna, L. I. - Lipoproteins of the human brain.  
p. 243.

Sopin, I. E. F., Kucherenko, M. I. E. - Content and  
intensity of nucleic acid metabolism in the brain  
of guinea pigs exposed to X-ray irradiation.  
p. 251.

Kalashukhov, N. I., Bondarenko, A. D. - Ascorbic  
acid and tocopherol content in *Martonia meridiana*  
Pall. p. 260.

Shamral, I. E. F., Ivanova, O. M., Platonov, O. M. -  
Content of various forms of ascorbic acid in the  
tissues of epinephrectomized animals. p. 269.

Soloka, V. R. - State of some microelements in the  
kidneys following changes in the function of the  
central nervous system. p. 274.

Kysel'ov, H. I., Kysel'ova, L. H. - Content of  
phosphorus compounds in the white pectoral and  
red femoral muscles of fowl. p. 279.

Panchenko, L. T. - Effect of tourniquet shock on the  
level of conjugated phosphorylation in brain mito-  
chondria. p. 283.

Mozozova, R. P. - New reactions for detecting and  
identifying amino acids on chromatograms. p. 290.

**\*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN**  
**CONTEMPORARY BIOLOGY]** Issued by Akademiia  
nauk SSSR [Academy of Sciences of the U.S.S.R.].  
Moscow, vol. 59, no. 3, May-June 1965.

Table of contents translated:  
Medvedev, Zh. A. - New advances in studying biosyn-  
thesis of proteins and molecular mechanisms of  
morphogenesis. p. 333.

Rovenskiy, I. U. A. - Biological role of nucleases in  
normal and tumoral growth. p. 354.

Skavronskaya, A. G. - Antigenic properties of deoxyri-  
bonucleic acid. p. 374.

Ryzhkov, V. L. - Symbiosis on the molecular level.  
p. 374.

Irchev, V. D. - Bioacoustic mechanisms of divergence  
and their role in evolution. p. 398.

Eltzov, I. U. A. - Chemoreception of blood-sucking  
Arthropoda. p. 416.

Vunder, P. A. - Significance of the level of self-regu-  
lation in the hypophysis and "peripheral" endocrine  
glands for physiology and pathology of the endocrine  
system. p. 433.

Shevchikov, A. S. - Current problems of the reaction  
"graft against host." p. 443.

Eladale, T., Jones, K. - Interdependence and interde-  
pendence of cell differentiation in amphibian em-  
bryos. p. 470.

Liozner, L. D., Romanova, L. K., Timashkevich,  
T. B. - Fourth Conference on Problems of Regene-  
ration and Cell Division. p. 487.

**UZBEKSKII BIOLOGICHESKII ZHURNAL [UZBEK**  
**BIOLOGICAL JOURNAL]** Issued by Akademiia nauk  
Uzbekskoi SSR [Academy of Sciences of the Uzbek  
S.S.R.]. Tashkent, vol. 9, no. 1, 1965.

Table of contents translated:  
Nazirov, N. N. - Effect of gamma rays on the content  
of various ascorbic acid forms and reduced gluta-  
thione in cotton. p. 5.

Mavlani, M. I., Akramova, R. A. - Microbial spoilage  
of beer in Uzbekistan. p. 11.

Tapi'akala, N. V. - Effect of soil amoebae on the  
susceptibility of cotton to the fungus *Vorticillium*  
*dahliae* Kieb. p. 16.

Achilova, S., Kuchasva, A. - Distribution of actino-  
mycetes-antagonists to the causative agents of  
cotton diseases in Sterozem soils of Uzbekistan.  
p. 19.

Iakubov, A. M., Abramov, M. D. - Effect of micro-  
elements on the yield of cotton and the distribution  
of ashes in it. p. 23.

Akhmedov, R., Tuzunov, Z. T. - Effect of mixed  
and basically protein food on the condition of heat  
regulation. p. 27.

Korotina, N. A. - Intestinal absorption of water in dogs  
under the influence of high temperature. p. 32.

Panfilova, L. A. - Effect of seed treatment with molv-  
bdenum on the yield of peas. p. 36.

Mavzhudov, A. A. - Characteristics of the growth of  
Celtis L. in young age. p. 39.

Ozolin, G. P. - Some problems of the taxonomy of  
black poplar growing in Central Asia. p. 42.

Khodzhimatov, K. - Effect of mineral and organic  
fertilizers on the growth and development of Poly-  
gonum coriaria. p. 45.

Khaidarov, K. - Developmental rhythm of some plants  
at different altitudes of the Nuratau Mountains  
p. 49.

Fomina, M. I. - Diurnal activity of the steppe viper  
during the spring and summer period. p. 53.

Davletshina, A. G., Radzivilovskaya, M. A. -  
Entomofauna of Ferula. p. 57.

Golovkovskiy, V. L., Putkhatov, S. P. - Heterosis  
in crossing self-pollinated lines of corn. p. 63.

Abdov, A. A., Sinashin, N. I., D'achenko, S. A. -  
Genetic recombinations in intestinal bacteria.  
Report No. 7. p. 67.

Kamilov, G. - Coarse fish species in the Damashchi  
Fishing pond. p. 63.

**VOPROSY PITANIA [PROBLEMS OF NUTRITION]**

Issued by Ministerstvo zdravookhraneniia SSSR [Min-  
istry of Health of the U.S.S.R.]. Moscow, vol. 23,  
no. 6, Nov.-Dec. 1964.

Table of contents translated

Shishova-Kasatchkina, O. A. - Some problems con-  
cerning the absorption of amino acids in the intes-  
tine. p. 3.

Usacheva, N. T., Milova, G. N. - Differentiated re-  
quirement for individual amino acids of the brain.  
p. 17.

Braksh, T. A., Popova, A. V. - Tryptophan require-  
ments under nervous stress. p. 21.

Gonashvili, Sh. G. - Ecological properties of the  
fig tree (*Ficus carica* L.) latex. p. 26.

Platser, Z., Veselkova, A., Stabokhova, Z. - Nature  
of the inhibition of fatty acid in the animal organism  
p. 39.

Kadykov, B. I. - Interaction between fats and certain  
vitamins of the B group. p. 33.

Sen', I. P. - Effect of qualitatively different fats on  
some biochemical indices of rats with vitamin E  
deficiency. p. 41.

Pogrovskiy, A. A., Abtarov, A. A. - Peroxide resis-  
tance of erythrocytes. p. 44.

Aptekni', S. G., Il'indch, A. A. - Effect of atherogenic  
diet on the activity of certain enzymes in the blood  
and liver of rats. p. 49.

Bavina, M. V., Evstigneeva, R. P. - Effect of satura-  
ted and unsaturated fatty acids on the composition  
of lipids in the blood, liver and aorta in experimen-  
tal atherosclerosis. p. 56.

Ismailov, M. N. - Effect produced by qualitatively dif-  
fering fats in the diet on some biochemical indices  
of the blood serum in laboratory animals. p. 62.

Rasulev, Sh. I., Levai, G. S. - Changes occurring in  
indices of fat metabolism during the development  
of experimental heliotine-induced liver cirrhosis.  
p. 67.

Batalova, L. V. - Effect of vitamin Dg on the protein  
and lipoprotein fractions of the blood serum in rats  
and rabbits. p. 73.

Mazlur', A. G., Brushko, S. S., Borozovskiy, V. M. -  
Comparison of thiamine phosphate and free thiamine  
assimilation. p. 77.

Olesheva, V. A. - Effect of diploclit in combination with  
a therapeutic diet on the course of peptic ulcer.  
p. 80.

Smirnov, M. I. - Symposium on bioflavonoids  
(vitamin P). p. 85.

Boris Aleksandrovich Lavrov, on the occasion of his  
80th birthday. p. 88.

**\*VOPROSY VIROLOGII [PROBLEMS OF VIROLOGY]**

Issued by Ministerstvo zdravookhraneniia SSSR  
[Ministry of Health of the U.S.S.R.]. Moscow,  
vol. 9, no. 5, Sep.-Oct. 1964.

Table of contents translated:

Development of virology. p. 515.

Milenushkin, I. U. I., Baza'kevich, V. I. - Pioneer  
explorer of the world of viruses, on the 100th  
anniversary of the birth of Dmitrii Iosifovich  
Ivanovskiy (1884-1920). p. 521.

Kravchenko, A. T., Al'shtein, S. D. - Problems of  
oncological safety of live viral vaccines. p. 527.

Shevlagin, V. I. A. - Experimental study on tumors in  
golden hamsters caused by the Rous fowl sarcoma  
virus. p. 533.

Obukh, I. B., Krjukova, I. N. - Interaction of the  
Rous virus with mouse cells in vitro. p. 539.

Koprovskiy, Kh. - Relation of viruses to cancer,  
p. 543.

- Selivanov, I. A. M., and others. - Purification and fractionation of influenza virus by chromatography on aminocetylcellulose. p. 550.
- Zhukovskiy, Kh. Zh., Salato, M. Kh. - Chromatography of influenza viruses A and A2 with anti-influenza serum and a biologically neutral complex of virus-antibody with Sephadex G-200. p. 555.
- Zaimanzon, E. S., Lobureva, L. S. - Behavior of an attenuated LSC 2 ab strain of poliomyelitis virus type I following purification on some ion-exchangers. p. 559.
- Zhdanov, V. M., Stakhanova, V. M., Ershov, F. I. - Polycistronic organization of viral RNA. p. 564.
- Bukrinskaya, A. G., A. K. Gifelman, Voronova, G. K. Early proteins of myxoviruses. p. 569.
- Avakian, A. A., A. I. Tshekin, A. D. - Study of acute and chronic infection caused by the virus of tick-borne encephalitis in tissue culture. Report No. 3. On the possible mechanism of chronic infection. p. 575.
- Solov'ev, V. D. - Some results of a study of tissue antiviral immunity. p. 580.
- Smorodintsev, A. A. - Basic nonspecific protective factors against virus infections in a warm-blooded organism. p. 587.
- Semenov, B. F., and others. - Postvaccinal and post-infection immunity in tick-borne encephalitis. p. 597.
- Chumakov, M. P., and others. - Rate of antibody accumulation in patients during the early period following vaccination and revaccination against tick-borne encephalitis. p. 601.
- Unanov, S. S., Shutov, A. V. - Materials for the study of immunological changes in patients vaccinated and revaccinated with tissue encephalitis vaccine. p. 604.
- Vedlakov, V. I., Lemoshevskaia, T. I. - Data for the study of tick-borne encephalitis in White Russia. Report No. 2. Cultivation of White Russian strains on cell cultures. p. 608.
- Malorova, G. F., Miroshukova, L. V., Ketladze, E. S. - Diagnostic significance of the lysis reaction of chick erythrocytes in hemorrhagic fever with the kidney syndrome. p. 614.
- Dreizin, R. S., and others. - Pathogenesis of adenovirus diseases. p. 618.
- Chistiakov, I. A. - Determination of the average lethal dose (LD<sub>50</sub>) and evaluation of its significance. p. 625.
- Mekter, L. B., and others. - Simple method of analyzing fluorescein-protein conjugates. p. 631.
- Pokhitonov, I. U. P. - Some characteristics of photography of tissue cultures grown in penicillin vials or flasks. p. 634.
- ZHURNAL EVOLUTSIONNOI BIOKHIMII I FIZIOLOGII [JOURNAL OF EVOLUTIONARY BIOCHEMISTRY AND PHYSIOLOGY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 1, no. 1, Jan.-Feb. 1965.
- Table of contents translated
- Objectives and tasks of the "Zhurnal evolutzionnoi biokhimii i fiziologii" p. 3
- Oparin, A. I., and others. - Role of lipids in the organization of enzymatic chains of electron transfer in *Micrococcus lysodeikticus*. p. 7
- Kreps, E. M., and others. - Phospholipids of subcellular brain particles in chick embryogeny. p. 16.
- Verzhbitskaya, N. A., Savina, M. V. - Main trends in the evolution of tissue energy metabolism in some vertebrates. p. 26.
- Daudova, G. M., Stepanova, N. G. - Hexokinase and glucokinase in cell fractions of the liver and muscles of *Sus scrofa* during hibernation and awakening. p. 32.
- Govyrin, V. A., Leonova, G. R. - Distribution of catecholamines in the myocardium of vertebrates. p. 38.
- Nikitin, V. N., and others. - Ontogenesis of the adrenal glands and thymic lymphoid organs under normal conditions and following intermittent growth-inhibiting diet. p. 45.
- Zaks, M. G. - Experimental renal pathology and evolution of renal function. p. 52.
- Kogan, A. B., Zaguskin, S. L. - Relationship between ribonucleic acid dynamics and electrical activity of the single stretch neuron of the crayfish muscle during excitation and inhibition. p. 59.
- Vinnikov, I. A. - Structural and cytochemical organization of receptor cells of sense organs in the light of the evolution of their functions. p. 67.
- Volokhov, A. A., Shiliagina, N. N. - Characteristics of the functional development of cortical and subcortical divisions of the visual analyzer in ontogenesis. p. 84.
- Voronin, L. G., Tushmalova, N. A. - So-called conditioned reflexes in *Planaria*. p. 98.
- Karaman, A. I. - Methodological foundations of evolutionary physiology, some of its advances and future development. p. 104.
- ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 44, no. 4, 1965.
- Table of contents translated
- Simkin, G. N., Il'ichev, V. D. - Geographical variability of the voice of animals as an ecological and evolutionary problem. p. 183.
- Tiflova, L. A., Shchekina, T. A., Pilipenko, V. G. - Mechanism of the resistance of natural tularemia microflora as related to their control problem. p. 494.
- Chernov, I. I. - Some characteristics of the animal population in spotted tundras. p. 507.
- Kudriashov, V. A. - New amphipod species of the family Lysianassidae (Amphipoda, Gammaridea) from the Sea of Okhotsk. p. 513.
- Khudjakov, I. S. - Study of mites of the superfamily Gamasoidea in the southern Maritime Territory of the Far East. p. 521.
- Pichka, V. E. - Ecology of spiders of the central forest steppe. p. 527.
- Dantsig, E. M. - Chinese wax scale (*Eucorpus pila* Chav., Homoptera, Coccoidea) in the U.S.S.R. p. 537.
- Kharlamov, V. P. - Change in the activity of feeding and motility of the tropical rat flea *Xenopsylla cheopis* labeled with radioactive phosphorus P<sup>32</sup>. p. 547.
- Sychevskaya, V. I. - Biology and ecology of *Calliphora vicina* R.-D. in Central Asia. p. 552.
- Spanovskaya, V. D., Grigorash, V. A., Markov, K. P. - Ruff population dynamics. p. 561.
- Adamian, M. S. - Ecology of the sparrow *Capsipiza brachydactyla* Bp. in the Armenian S.S.R. p. 569.
- Klebanov, E. A. - Structure of extremity bones in mammals. p. 578.
- Tabin, V. I. - Spring mechanism of the forearm in some mammals. p. 593.
- Nikitina, N. A. - Methods of studying individual home ranges of rodents with the help of live traps. p. 598.
- Monakov, A. V. - Effect of temperature on the sex ratio in the offspring of *Macrocyclus albidus* (Jui.) (Copepoda, Cyclopoida). p. 606.
- Aleksandrov, I. V., Kolodchik, L. A., Iagodin'skii, V. N. - Description of the male *Macrocyclus superbus* Hull, 1918 (Gamasoidea, Macrochelidae). p. 608.
- Belyshev, B. F. - New genera and species of dragonflies (Odonata, Insecta) in the U.S.S.R. from the Far East. p. 611.
- Naldenov, G. P. - Species of ground beetles, feeding on plants, in the southern Ukraine. p. 613.
- Coffalt, H. - *Sectophilonthus*, a remarkable new palaearctic genus of the tribe Philonthini (Coleoptera, Staphylinidae). p. 615.
- Nekutenko, I. U. P. - Unusual variability of *Satyria aetnea* Esp. (Lepidoptera, Satyridae) in the Crimea and its possible causes. p. 617.
- Kornova, K. T. - Variability of some morphological characters in biting midges *Culicoides fastidiosus* Staeg., *C. subfascipennis* Kieff. and *C. venans* Staeg. p. 620.
- Postolaki, A. I. - New occurrence of *Notosudis topida* (Pisces, Notosudidae) in waters of West Greenland. p. 622.
- Pchelkina, A. A. - Experimental infection of house mouse, *Dzungar hamster* and steppe vole with *Q* fever. p. 624.
- Aleev, I. U. G. - Dolphin body as an airfoil. p. 626.
- Ishunin, G. I. - Biology of the chaus of southern Uzbekistan. p. 630.
- Vol. 44, no. 5, 1965.
- Table of contents translated.
- Belyi, N. D. - Field experiment as a basis for studying the biology of a fish. p. 643.
- Biikman, D. I. - Basic characteristics of the floodplain tularemia focus in Yakutia. p. 655.
- Rubtsov, I. A. - Anatomy and diagnosis of mermithid larvae. p. 660.
- Vinberg, G. G., Pechen' G. A., Shushkina, E. A. - Production of plankton crustaceans in three different-type lakes. p. 670.
- Gillarov, A. M. - Vertical distribution of plankton rotatorians (Rotatoria) in Lake Bol'shoye Yermeyevskoye (Velikiy Island, Kandalaksha Bay of the White Sea). p. 688.
- Daydova, E. D. - Development of wings in fireflies *Lampyris noctiluca* L. and *Phaenol sphenodonta* Lec. (Coleoptera, Lampyridae). p. 693.
- Tobias, V. I. - Study of the family Fedtschenkiidae (Hymenoptera, Spingoidae). p. 708.
- Dussski, G. M. - Methods of quantitative estimation of soil-dwelling ants. p. 716.
- Diadchko, V. N., Breev, K. A. - Migration pathways of the first instar larvae of the ox warble fly (*Hypoderma bovis* De Geer) in the host organism. p. 726.
- Reshetnikova, A. V. - Effect of the pterocoid of *Digama interrupta* Rud. on the growth of bramb. p. 734.
- Omolovskaya, V. I. - Survey of the distribution and abundance of Tetracnidae based on data obtained from questionnaires. p. 740.
- Okulova, N. M. - Characteristics of parasites in the burrows of lesser siskin as related to their purpose and the presence of the host animal. p. 747.
- Moktevich, N. A. - Ecological and physiological characteristics of *Cicetus eversmanni* Ba. and *Cricetulus migratorius* Pall. in the Volga-Ural sands. p. 754.
- Iablokov, A. V., Fedoseev, G. A. - Morphological characteristics of the Okhotsk seal *Pusa hispida* (Pinnipedia, Mammalia) in the Sea of Okhotsk. p. 759.
- Ovsiukova, N. I. - Trichinellosis in dogs. p. 766.
- Zuev, G. V. - Occurrence of the squid *Symplectoteuthis oulanensis* (Lesson) Pfeffer in the Mediterranean Sea. p. 767.
- Shmeleva, A. A. - A new species of *Copepoda* (Copepoda) from the Adriatic Sea. p. 768.
- Aleksandrov, I. V., Kolodchik, L. A. - A new species of mites, *Parholaspus jugoslavicus* (Gamasoidea, Macrochelidae). p. 770.
- Dubovskii, G. K. - Two new species of Derbidae (Hymenoptera) from the Fergana Valley. p. 773.
- Shurovenkov, B. G. - *Gasteruca daurica* Joann. in the steppes of Mongolia. p. 775.
- Chernov, I. I., Savchenko, E. N. - Ecology and preimaginal phases of the development of the Arctic crane fly *Tipula* (*Pterelachius*) *carlinifrons* Holm. (Diptera, Tipulidae). p. 777.
- Sychevskaya, V. I., Shaturov, V. S. - Body temperature in some synanthropic flies in the Eastern Pamirs. p. 778.
- Korotkova, G. V. - Notes on the significance of the Tannu-Ola Range as a geographical barrier in relation to the origin of the desert-steppe fauna of Tuva. p. 783.
- Kokhanov, V. D. - Effect of nesting characteristics of sandpipers on the time and nature of their fall migrations. p. 784.
- Klevezal', G. A., Bernshteyn, A. D. - Age determination in *Ochotona utula* and *O. macrotis*. p. 787.
- Brief news and information. p. 797.
- AKADEMIYA NAUK ARMIAANSKOI SSR, Eriyan, Iavestika. Khimicheskoe nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences].** Eriyan, vol. 17, no. 4, 1964.
- Table of contents translated:
- Kostantian, K. A., Sanklan, K. S., Geokhchan, O. K. - Density and electric conductance of sodium-calcium-magnesium aluminosilicate glasses in a fused state. p. 357.
- Atchudzhan, A. A., Mantikyan, M. A., Alkazjan, A. M. - Mixed adsorption catalysts of dehydrogenation. Part 3: Pd-Au/SiO<sub>2</sub> as a catalyst for cyclohexane dehydrogenation. p. 368.
- Manvelian, M. G., Babatun, G. G., Gazarian, S. A. - Infrared absorption spectra of sodium metasilicate hydrates. p. 375.
- Babatun, G. G., Gistatun, V. D. - Effect of certain factors on the crystallization of sodium metasilicate monohydrate from alkaline silica solutions. p. 381.
- Dubrovskaya, G. N., Oganesian, V. Kh. - Production and some physical properties of the compounds of titanium with sulfur. p. 387.
- Sarkisian, M. A., Apilian, S. S. - Absorption of heavy metal ions by dolomite. Part 1. p. 393.
- Karapetian, N. G., Turkhanian, A. S., Lisubimova, A. N. - Hydration of vinylacetylene to methyl vinyl ketone by means of sulfuric acid solutions of cuprous oxide. Part 1: Solubility of vinylacetylene in sulfuric acid solutions of cuprous oxide. p. 398.
- Vartanian, S. A., Badatun, Sh. O., Agababian, R. G. - Chemistry of vinylacetylene. Part 5: Addition of amines to diethylaminomethylvinylacetylenes. p. 407.
- Matsosian, S. G., Avetian, M. G., Darbinian, E. G. - Cyclic polymerization of copolymerization. Part 3: Radical polymerization of  $\beta$ -alkyl-substituted divinyl ketones. p. 412.
- Matsosian, S. G., and others. - Cyclic polymerization and copolymerization. Part 3: Cyclic copolymerization of divinyl acetals with some vinyl monomers. p. 420.
- Vardanian, S. A., Vardanian, A. G. - Synthesis of 4-methoxy-p-terphenyl. p. 428.
- Mindzholian, A. L., Divnalian, N. M. - Derivatives of furan. Part 3: Hydrazides and substituted hydrazides of 5-alkylmorphomethyl-2-furancarboxylic acids. p. 431.
- Vartanian, S. A., Noravian, A. B., Zhamagortian, V. N. - Mutual transformations of six-membered heterocycles containing sulfur, nitrogen, and oxygen. p. 436.
- Agababian, S. G., Nersosian, L. A. - Use of nitric salts in the synthesis of heterocyclic amino acids. Part 2: Synthesis of 3,4-dihydroisouquinoline-1-valeric and -ornithic acids. p. 441.

- Episkoposian, M. L. - Kinetics of copper cementation with iron from  $\text{CuCl}_2$  solutions. p. 447.
- Vartanian, S. A. - Book on "Cuprocatalysis." p. 457.
- Chalytkian, O. A. - Concerning the review by S. Vartanian of the monographic "Cuprocatalysis." p. 462.
- Chukhadzhian, G. A., and others. - Copolymers of acetaldehyde. p. 466.
- Vagarsht Davidovich Azatian, on his sixtieth birthday. p. 467.
- Vol. 17, no. 6, 1964.
- Table of contents translated:
- Bellerian, N. M., Grigorian, S. K., Chalytkian, O. A. - Kinetics of the reactions of amines with hydroperoxides. Part 3 Mechanism of the reaction of cumene hydroperoxide with triethanolamine. p. 604.
- Kostanian, K. A., Erznkian, E. A. - Electric conductance of glasses in the system  $\text{K}_2\text{O} - \text{SiO}_2$  over a wide range of temperatures. p. 613.
- Tarajan, V. M., Aistamian, Zh. M. - Determination of selenium, tellurium, and gold in gold-containing electrolyte slimes. p. 623.
- Gaibakian, D. S., Darbinian, M. V. - Comparative study of rhentum and molybdenum sorption on certain strongly basic anion exchangers. p. 631.
- Marvolian, M. G., Tallashvili, B. A. - Comparative passage of alkali and aluminum oxide into the solid phase during the desilicification of potassium and sodium aluminate solutions. p. 636.
- Mkrtian, G. M., Mndzholian, Sh. L., Gasparian, S. M. - Compounds of the acetylene series. Part 4 Reaction of addition of alcohols to vinylacetylene by the action of alcoholates. p. 643.
- Davlatian, V. V., Chakrian, T. O. - Dicarboethoxymethyl esters of dibasic carboxylic acids. p. 651.
- Akhmazarian, A. A., and others. - Synthesis of 1,6-disubstituted 3-chloro-3-hexene-1, 6-dicarboxylic acids. p. 656.
- Akhmazarian, A. A., and others. - Synthesis and transformations of diacetones. Part 1. Preparation of diacetones of 1,6-disubstituted 3-oxohexane-1, 6-dicarboxylic acids. p. 660.
- Vartanian, S. A., Tosunian, A. O. - Chemistry of acetylene. Part 1: Addition of  $\alpha$ -chloromethyl ethers to tetramethylbutyne-1, 4-diol and some transformations of products obtained. p. 665.
- Vartanian, S. A., and others. - Chemistry of vinylacetylene. Part 54 Reaction of formaldehyde with tertiary vinylacetylenic alcohols in the presence of cation exchangers. p. 672.
- Matsolian, S. G., Saakian, Albert A. - Cyclic polymerization and copolymerization. Part 34: Polymerization of aromatic vinyl ethynyl carbonols. p. 676.
- Vartanian, S. A., Zhamagoristan, V. N., Grigorian, L. G. - Chemistry of vinylacetylene. Part 55. Synthesis and transformations of 3, 2-dialkyl-5-chlorotetrahydro-pyran-4-ones. p. 682.
- Akopian, A. E., Bostandzhian, R. Kh. - Extraction by acetic acid from hydrolyzates. p. 693.
- Saladian, A. G., and others. - Preparation of polyvinyl formal ethylal from aqueous dispersion of polyvinyl acetate. Part 2 Effect of the conditions of hydrolysis of aqueous dispersion of polyvinyl acetate on the quality of polyvinyl formal ethylal. p. 699.
- Akopian, L. A., Avotian, M. G., Matsolian, S. G. - Synthesis of glycidyl ethers of vinyl ethynyl carbonols. p. 703.
- Azatian, V. D. - Synthesis of di-(tristyl)-cyclooctatriene. p. 706.
- Vartanian, S. A., Oganova, L. V., Badanian, Sh. O. - Reaction of amines with diacetylenic glycols. p. 709.
- AKADEMIA NAUK SSSR, Izvestiia, Seriya khimicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin, Chemical Series], Moscow, no. 6, 1963.
- Table of contents translated:
- Andrianov, K. A., Kuznetsova, I. K. - Reaction of tetrabutyl titanate with methylphosphonic acid esters. p. 289.
- Andrianov, K. A., and others. - Polymers with inorganic chains of molecules - polytitanodimethylsiloxanes. p. 294.
- Andrianov, K. A., Kuznetsova, I. K., Smirnov, I. N. - Reactions of n-tetrabutyl titanate with phosphonic acids. p. 301.
- Chizhevskaya, S. N., Glazov, V. M. - Model of the short-range order of structure of germanium and silicon melts. p. 307.
- Igiteyan, M. I., and others. - Some features of the behavior of silicon in the course of a thermal treatment. p. 311.
- Bochkareva, V. A., Buslaev, I. A. - Hydrolysis of tungsten hexafluoride. p. 316.
- Gladyshevskii, E. I., and others. - Lanthanum silicides and their crystalline structures. p. 321.
- Goncharuk, A. B., Lituta, M. D. - Lanthanum germanides. p. 326.
- Iarembash, E. I., and others. - Lanthanum selenides. p. 330.
- Karpinski, O. G., Evseev, B. A. - Crystalline structure of the  $\text{ZrSi}$  compound. p. 337.
- Mirgalovskaya, M. S., Kokoshkin, V. A., Smirnov, V. A. - Effect of the crystal face in alloyed indium antimonide. p. 340.
- Zemskov, V. S., Rozhdestvenskaya, V. V., Leonova, V. D. - Reaction of boron with germanium and silicon during the crystallization of solid solutions based on them. p. 343.
- Vasil'ev, I. A. V., Arlia, S. M. - Magnetic susceptibility of higher titanium oxides. p. 347.
- Savitskii, E. M., and others. - Solubility of some transition metals in the  $\text{V}_2\text{Si}$  compound and their effect on the temperature of transition of the compound to a superconducting state. p. 354.
- Sobolev, B. P., and others. - Phase composition of the systems  $\text{CaF}_2 - \text{YF}_3$ ,  $\text{SrF}_2 - \text{YF}_3$ , and  $\text{BaF}_2 - \text{YF}_3$ . p. 362.
- Shevchenko, G. V., Tananayev, I. V. - Samarium pyrophosphates. p. 369.
- Polubolainov, D. N., Bakunov, V. S. - Creep of ceramics made from pure aluminum and magnesium oxides at high temperatures. p. 374.
- Samulina, V. N., Krylov, E. I. - O-thonolates of yttrium subgroup elements. p. 380.
- Limar', F. F., Savos'kina, A. I., Shepchenko, L. A. - Preparation of barium zirconate by the coprecipitation method. p. 383.
- Vulikh, A. I., Sergeeva, A. E., Kutolin, S. A. - Effect of the atmosphere of gases on the thermal synthesis and properties of the compound types  $\text{Me}_2^{\text{I}} \text{MeIV} \text{O}_3$  and  $\text{Me}^{\text{I}} \text{MeV} \text{O}_3$ . p. 388.
- Aver'ianova, L. N., Beliaeva, I. I., Beliaev, I. N. - X-ray and dilatometric studies of the systems  $\text{PbZrO}_3 - \text{PbWO}_4 (\text{MoO}_4)$ . p. 392.
- Komarov, V. F., and others. - Solid solutions with spinel structure in the system iron - manganese - oxygen. p. 395.
- Tret'yakov, I. U. D. - Thermodynamic evaluation of the oxidation-reduction equilibrium in manganese ferrite. p. 405.
- Tret'yakov, I. U. D., and others. - Relation between dissociation pressure and the parameter of a crystal lattice of multicomponent ferrites based on manganese ferrite. p. 408.
- Saksonov, I. U. G., Gordov, I. V., Tret'yakov, I. U. D. - Phase diagram of the system  $\text{Fe}_2\text{O}_3 - \text{MgO} - \text{MnO}$  at  $1000^\circ\text{C}$  and the thermodynamic properties of coexisting phases. p. 413.
- Rustamov, P. G., and others. - Solid solutions in the system  $\text{Ga}_2\text{S}_3 - \text{GaSe}$ . p. 419.
- Balanin, V. I., Blokh, K. I. - Certain factors determining the strength of double glass fibers. p. 422.
- Blokh, K. I. - Molecular-kinetic parameters determining the strength and the causes of variation in strength of glass fibers. p. 427.
- Dzhurinskii, K. F. - Spectrophotometric study of the state of cobalt and chromium ions in sodium phosphate glasses. p. 434.
- Kolesova, V. A. - Infrared absorption spectra of low-alkali and alkali-free aluminosilicate glasses. p. 442.
- Zorina, E. L., Iarenbash, E. I. - Infrared absorption of  $\text{PrFe}_2$ . p. 446.
- Petrova, L. A. - Conference on the nature of metallic phases and the character of their chemical bonding. p. 447.
- AKADEMIA NAUK SSSR, Izvestiia, Seriya khimicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin, Chemical Series], Moscow, no. 6, 1963.
- Table of contents translated:
- Andrianov, K. A., Kuznetsova, I. K. - Reactions of formation of dimethylphosphonyltitanoxane oligomers. p. 445.
- Zhdanov, S. P. - Results and prospects of investigations in the field of zeolite synthesis. p. 450.
- Neimark, I. E. - Cation exchange as a means for chemical and structural modification of zeolites. p. 459.
- Pischenov, T. G. - New trends in sorption techniques. p. 466.
- Kofman, L. S., Vinogradova, V. S. - State and prospects for using synthetic zeolites in large-scale chemical industries. p. 475.
- Kiselev, E. A., Zhdanov, S. I. - Polarography of solutions containing elementary sulfur and bivalent iron present together. p. 485.
- Alpatova, N. M., Kessler, I. U. M., Gorbanev, A. I. - Conductance of benzene solutions of hydrogen chloride and tetra-n-butyl ammonium chloride. p. 489.
- Pavlova, T. E., Shagidulin, R. R. - Vibrational spectra of organoarsenic compounds. Report No. 2: Raman spectra of ethers and acid chlorides of trivalent arsenic. p. 495.
- Kondrat'ev, D. A., Silutaev, P. I., Minachev, Kh. M. - Effect of thiophene on the properties of  $\text{Pd}$ -,  $\text{Rh}$ -,  $\text{Ru}$ -, and  $\text{Pt-Al}_2\text{O}_3$  catalysts under conditions of cyclohexane dehydrogenation. p. 499.
- Kasatovskii, V. I., and others. - Mechanism of thermal carbonization of chlorine-containing carbocyclic polymers. p. 503.
- Nasirov, F. M., Krentsel', B. A., Davydov, B. E. - Acetylene polymerization process with a soluble catalytic system based on  $\text{AlEt}_3$  and  $\text{VO}$  (acetylacetonate) $_2$ . p. 509.
- Mortikov, E. S., Rozengart, M. I. - Composition of an equilibrium mixture of n-heptenes at  $450^\circ$ . p. 516.
- Andrianov, K. A., Tsomala, N. I., Khanashvili, L. M. - Synthesis of glycerol derivatives of oligomers with functional groups at the ends of molecules. p. 522.
- Klavchenko, A. L., Mironov, V. F. - Synthesis of organogermanium compounds based on tetramethylgermane. p. 526.
- Mochalina, E. P., Diatkin, B. L. - Fluoroaliphatic diazo compounds. Report No. 2  $\alpha$ -Diazoperfluoro ketones. p. 535.
- Koloso, M. N., Shemiakin, M. M., Bolesov, I. G. - Tetraacycline series. Report No. 34: Synthesis of 2-decarboxyamido-4-dedimethylamino-6, 10, 12-trideoxy-6-demethyl-12, 12-dihydrodecaacycline, an analog of 6-demethyltetraacycline. p. 539.
- Delevitskaya, V. A., Likhoshershtov, L. M., Kochetkov, N. K. - Glycopeptides. Report No. 3: Synthesis of O-aminoacyl derivatives of some monosaccharides. p. 545.
- Zaifskaya, I. I., and others. - Condensation of 1- $\beta$ -acetoxyvinyl-6-methoxy-3, 4-dihydronaphthalene with 2, 4-dimethyl- $\Delta^2$ -cyclopentene-1, 5-dione. p. 551.
- Zaifskaya, I. I., Sorkina, T. I., Toigov, I. V. - Condensation of 1-vinyl-6-methoxy-3, 4-dihydronaphthalene with 2, 4-dimethyl- $\Delta^2$ -cyclopentene-1, 5-dione. p. 558.
- Sladkova, T. A., Freidlin, L. Kh. - Effect of the structure of a silicon-containing nitrite on the course of its catalytic reduction. p. 561.
- Novikov, S. S., and others. - Kinetics of the addition of p-toluenesulfonic acid to acrylic acid derivatives in water. p. 566.
- Semenovskii, A. V., and others. - Cyclization of geraniol and nerol ethers. p. 568.
- Krasnaya, Zh. A., Kucherov, V. F. - Condensation of acetylenic acetals with ketones. p. 570.
- Shostakovskii, M. F., and others. - Reaction of 2-methyl-1, 3-dioxolane with hydrogen sulfide. p. 572.
- Tatarkovskii, V. A., Gribov, B. G., Novikov, S. S. - Synthesis of  $\gamma$ -bromodinitro compounds. p. 574.
- Gunar, V. I., Ovechkin, L. F., Zait'valov, S. I. - Synthesis of 1, 3-oxazine derivatives based on diketene. p. 576.
- Ravich, G. B., Bogush, O. F. - Polymorphism in the system m-dinitrobenzene - trinitrobenzene. p. 577.
- Gol'dfain, I. A., Tarasova, L. D. - Bimination products of furfural. p. 579.
- Kuninants, I. L., Kuleshova, N. D., Lit'kova, M. G. -  $\beta$ -Propiolactone. p. 581.
- Khalrullin, V. K., Kuryeva, M. A., Sobchuk, T. I. - Preparation of mixed esters of phenylphosphonic acid. p. 583.
- Arbuzov, B. A., Butenko, G. G., Iakova, E. G. - Reaction of dibenzylphosphinic acid with formic acid esters. p. 585.
- Kazanskii, K. S., Entelis, S. G. - Thermochemistry of  $\alpha$ -oxide polymerization. p. 589.
- Kuninants, I. L., Diatkin, B. L., Mochalina, E. P. - Perfluoro tert-butylamine. p. 591.
- Sklirnova, E. G., and others. - Phenoxy radicals as oxidation inhibitors and their reaction with hydroperoxides. p. 593.
- Glukhovtsev, V. G., Zakharova, S. V. - Interaction of 2-methyl-5-(2-cyanohept-2-yl) furan with polyhydric aliphatic alcohols. p. 596.
- Nikitov, G. A., Ershov, V. V. - Radical deamination of 4-amino-2, 6-dialkylphenols. p. 597.
- Shapiro, A. B., Konozolova, N. N., Rozantsev, E. G. - Paramagnetic derivatives in the 1, 2, 3, 4-tetrahydro- $\gamma$ -carbolone series. p. 600.
- Shapiro, A. B., and others. - Paramagnetic derivatives in the series of hydrogenated quinoline. p. 602.
- Grechkin, N. P., Nuretdinov, I. A. - Ethylenimides of alkyl- and dialkylphosphorous acids. p. 605.
- Mamaev, V. P., Ignat'ev, V. M. - Reaction of benzaldehyde and urea with  $\beta$ -naphthol. p. 607.
- Dodonov, V. A., Petukhov, G. G., Razuvaev, G. A. - Dehydrochlorination of polyvinyl chloride and some chemical properties of a polyene produced. p. 609.
- Kiperman, S. L., Gadzhik-Knaumov, V. S. - Evaluation of the effect of reverse reaction in interpreting the kinetic data. p. 610.
- Shostakovskii, M. F., and others. - Interaction between chloral hemiacetals and vinyl ethers. p. 613.
- Zakharin, L. I. - Synthesis of some simplest carbocyclic derivatives of barone. p. 614.
- Dubinin, M. M., and others. - Structure of synthetic erionite (zeolite T). p. 616.
- Pasyanovich, S. V., Matslshchek, S. A. - Reactions of triethylaluminum with benzotrinitrile. p. 618.
- Gudkov, B. S., Balandina, A. A., Savin, E. P. - Isotopic exchange between cyclohexane and deuterium over vaporized coatings of germanium and silicon. p. 620.
- Diatkin, B. L., Bekker, R. A., Kuninants, I. L. - Nitrosation of alkyl perfluorovinyl ethers. p. 621.
- Gadzhik-Knaumov, V. S., and others. - Manifestation of a bifunctional character of a  $\alpha - \text{Cr}_2\text{O}_3$  surface in catalytic conversions of cyclohexane. p. 621.

Nesmetanov, A. N., and others. - Polymetallic compounds of tin with metal carbonyls p 1122.

# **ELEKTROKHIMIJA [ELECTROCHEMISTRY]** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. I, no. 2, Feb. 1965.

Table of contents translated

- Batrakov, V. V., Iofa, Z. A. - Measurement of the impedance of an iron electrode by means of alternating current p 123
- Zolotovskii, I. A. M., Todoradze, G. A., Khaikin, B. I. - Faradaic impedance of reversible catalytic processes. Part 2: Catalytic evolution of hydrogen from solutions of pyridine,  $\alpha$ -picoline,  $\alpha$ ,  $\alpha'$ -lutidine, and  $\alpha$ ,  $\beta$ -lutidine p 130
- Zakhodiakina, N. A., and others. - Process of iodide anodic oxidation on a platinum microelectrode. Part I: Dependence of the current decay on pH of the supporting electrolyte p 138
- Kudlakov, V. I. A., Smirnov, M. V. - Equilibrium potentials of zirconium in fused cesium chloride. p 143
- Molodov, A. I., Losev, V. V. - Kinetics of electrode processes on zinc amalgam in ammonia solutions p 149
- Balashova, N. A., Kulezheva, M. I. - Mechanism of the effect of bivalent cations on the electroreduction of oxygen on platinum. p 155
- Kiselev, B. A., Zhdanov, S. I. - Adsorption of sulfide ions at the mercury - solution interface. p 159
- Mairanovskii, S. G. - Determination of the adsorption characteristics of organic compounds on a mercury electrode from polarographic charging currents. p 164
- Bagotskii, V. S., Vasil'ev, I. U. B., Iao Lu-an' [Yao Lu-an] - Kinetics of electrochemical processes in the system quinone - hydroquinone. Part I: Effect of specific adsorption of the reactant on the kinetics of reactions on a platinum electrode. p 170
- Iao Lu-an' [Yao Lu-an], and others. - Kinetics of electrochemical processes in the system quinone - hydroquinone. Part 2: Effect of the adsorption of particles nonparticipating in the reaction p 176
- Petrii, O. A., Gorgonova, E. P., Podolovchenko, B. I. - Potentials of a platinum electrode in a steady state in methanol solutions. p 182
- Solov'eva, Z. A., Vagranian, A. T. - Effect of the state of the cathode surface on the kinetics of electroreduction of chromic acid. p 188
- Elets'kii, V. V., Pleskov, I. U. V. - Effect of adsorption on potential distribution at the germanium - electrolyte interface. p 194
- Zolotovskii, I. A. M., Todoradze, G. A. - Adsorption peaks of organic substances at small bulk concentrations of adsorbate. p 201
- Tkach, I. U. A., Davdan, O. K. - Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 13: Dependence of the number of carbon active centers on the temperature of its activation. p 207
- Polukarov, I. U. M., Grinina, V. V. - Some problems of the theory of electrodeposition of alloys. Part II: Effect of surface-active substances on the phase structure of electrolytic copper-lead alloys p 212
- Mazilov, I. U. A. - Oxygen ionization at the three-phase boundary in alkaline solutions. Specific conditions of ionization and the process distribution along the film length. p 218
- Trofimov, A. N., Ivanov, V. T. - Calculation of the current distribution on a cathode by the method of straight lines p 224
- Mairanovskii, S. G., Pavlov, V. N. - Electrochemical hydrogenation of aromatic aldehydes and ketones. p 226
- Kamyshov, V. M., and others. - Effect of the electric current on the rate of nitrogen dissolution in molten oxides. p 227
- Iofa, Z. A., Makarova, V. A. - Effect of halogen ions and organic surface-active substances on hydrogen-ion discharge reaction on a copper electrode in acid solutions. p 230
- Saprykin, V. D. - Nature of the glow of the anode layer during electrolysis with a removable anode. p 234
- Levitskii, V. A., Rezhukhina, T. N., Guzel, A. S. - Thermodynamic properties of cobalt chromite from electrochemical measurements at 1270-1490°K. p 237
- Sevast'yanov, E. S., Lelkis, D. I. - Differential capacity measurement on liquid and solid mercury in methanol. p 239
- Lelkis, D. I., Aleksandrova, D. P. - Electric double layer capacitance in concentrated salt solutions. p 241

Vol. I, no. 4, Apr. 1965.

Table of contents translated:

- Tragal, V. A. - Kinetics of a ferricyanide ion reduction on the cadmium sulfide surface. p 387
- Frumkin, A. N. - Points of zero charge in the equations of electrochemical kinetics. p 394

- Bratnina, Kh. Z., Rolzenblat, E. M. - Quasi-equilibrium states in the systems Metal - Metal - Anion solid - Cation-Anion solution-solution p 403
- TSlinman, A. I. - Oxygen overvoltage on gold p 409
- Solov'eva, Z. A., Vagranian, A. T. - Cathodic precipitation in chromate electrolytes with the additions of chloride ions p 413
- Pskhechukov, A. G., Shneider, G. I., Bursteim, R. Kh. - Electrochemical oxidation of hydrogen on partially immersed smooth metals p 418
- Alekseev, I. U. V., Popov, I. U. A. - "Reaction zone" on the surface of a partially immersed electrode in a concentrated solution. p 422
- Pavlov, V. N., and others. - Study of the mechanism of electrochemical reduction of aromatic aldehydes and ketones on a mercury electrode by the faradic impedance method. p 427
- Polukarov, I. U. M., Grinina, V. V. - Some problems of the theory of alloys electrodeposition. Part 13: Phase structure of copper-cadmium electrolytic alloys obtained from complex electrolytes p 433
- Bagotskii, V. S., Khazova, O. A., Vasil'ev, I. U. B. - Effect of the adsorption of foreign ions and molecules on the oxidation rate of organic substances on a platinum electrode p 439
- Stefanovskii, A. M. - Simple concentration boundaries in electrolytes p 446
- Guslin, M. P., and others. - Current distribution on a cathode as a strip in a half-space of the electrolyte with a polarization curve expressed by the Tafel formula p 452
- Gu'f'lin, V. P., Mairanovskii, S. G. - Polarographic study of the effect of ethanol concentration on the rate of pyridine and 2,6-lutidine protonization by water p 460
- Rezhukhina, T. N., Levitskii, V. A., Istomin, B. A. - Thermodynamic properties of iron chromite determined from electrochemical measurements. p 467
- Lelkis, D. I. - Interpretation of the results of impedance measurement in electrochemical studies p 472
- Lelkis, D. I., Vidovich, G. L. - Interpretation of the results of impedance measurement in the course of anodic oxidation of silver in alkali. p 477
- Girina, G. P., Flosina, M. I. A., Kazarinov, V. E. - State of the surface of a platinum anode at potentials preceding the course of Kolbe electrosynthesis. p 478
- Khomutov, N. E., Tsodikov, V. V. - Effect of the electrode material on the electroreduction of quinoline. p 482
- Lezhava, T. I., Vagranian, A. T. - Electrochemical behavior of a gallium electrode in alkaline solutions of potassium gallate p 486
- Kuznetsov, V. A., Damaskin, B. B. - Differential capacity of a mercury electrode in solutions of salts of fatty and perfluorinated fatty acids. p 488
- Tur'lin, I. A. I. - Mechanism of the polarographic kinetic currents of glycolic acid. p 491
- Daniel'-Bek, V. S., Vil'vitskaya, G. V. - Particular features of the mechanism of electrooxidation of alcohols in an alkaline medium. p 494
- Belokobov, E. D. - Impedance of the electrode - solution interface in the case of a simultaneous adsorption of two substances. p 498

Vol. I, no. 5, May 1965

Table of contents translated:

- Knots, L. L., Dubovik, G. G. - Measurement of the contact difference of potentials by the condensate-type method. p 507
- Balashova, N. A., Kazarinov, V. E. - Relation between the adsorption of cations and anions on platinum from acid solutions at different potentials. p 512
- Egorov, V. V., Borovkov, V. S., Lukovtsev, P. D. - Electrophysical properties of an oxidized niobium electrode during cathodic and anodic polarization. p 517
- Popovska, M. I. A., Avramenko, V. I. - Effect of the sinusoidal current on the electrocrystallization of cobalt. Part I: Current efficiency, pH of the cathode layer, cathodic polarization. p 524
- Shilina, G. V., Del'marskii, I. U. K. - Polarographic study with a molten mixture of LiNO<sub>3</sub> - NaNO<sub>3</sub> - KNO<sub>3</sub> as a support under conditions of convective diffusion. p 532
- Pollanovskaya, N. S., Frumkin, A. N. - Electrocapillary curves of indium amalgams. p 538
- Liamina, L. I., Gorkunova, K. M. - Mechanism of iron reduction from alkaline solutions. Part 2: Reduction of a hydrated ferric oxide film deposited on the cathode surface. p 546
- Vagranian, A. T., Solov'eva, Z. A. - Effect of chloride ions on cathodic polarization in chromium electrodeposition. p 551
- Martynov, G. A. - Statistical theory of electrolyte solutions. Part 2: Charged sphere model. p 557
- Flerov, V. N. - Use of the "secondary reactions" for the qualitative evaluation of the true reacting surface in copper oxide electrodes. p 566
- Molodov, A. I., Losev, V. V., Gerodetskii, V. V. - Polarization measurements in the presence of concentration polarization. p 572

- Kopylov, I. U. A. - Development of the concepts of photoconductivity of ether solution of halo derivatives p 579
- Kainakov, E. A., Varslavskaya, N. L. - Galvanic cell in the gravitational field. p 585
- Boronenkov, V. N., Esin, O. A., Shurygin, M. P. - Anodic processes on a disk electrode in oxide melts p 592
- Maznichenko, E. A., Mairanovskii, S. G., Zolotovskii, I. A. M. - Mechanism of the reduction of Mg<sup>2+</sup> ions on a mercury dropping electrode. p 597
- Pal'm, U. V., Past, V. E. - Study of the decay of hydrogen overvoltage after the cessation of polarization of lead, cadmium, and bismuth cathodes p 602
- Balashova, N. N., Efimov, I. A. - Electrodeposition of cadmium from sulfate solutions with added surface-active agents p 608
- Krichmar, S. I. - Negative levelling effect in the deposition of silver from a silver iodide electrolyte p 608
- Vasil'ev, N. P., Silakov, A. V., Tsurikov, G. S. - Cathodic reduction of oxygen in fused carbonates. Part 1: Effect of the state of platinum and palladium electrode surfaces on the electroreduction of oxygen in fused carbonates. p 613
- Vannikov, A. V., Bakh, N. A. - Some electrophysical characteristics and a method of preparation of organic film semiconductors based on polyethylene. p 617
- Zinovii Aleksandrovich Iofa, on his 70th birthday. p 620
- Conference on the use of polarography in the chemistry and technology of polymers and monomers, held from October 29 to October 31, 1964

# **KHIMIJA PRIRODNYKH SOEDINENII [CHEMISTRY OF NATURAL COMPOUNDS]** Issued by Akademiya nauk Uzbek SSR [Academy of Sciences of the Uzbek S.S.R.] Tashkent, no. 1, 1965.

Table of contents translated.

- Ovodov, I. U. S., and others. - Glycosides from *Eleutherococcus senticosus* Maxim. Part I: Isolation and some properties of eleutherosides D and E. p 3
- Rzheznikov, V. M., Ananchenko, S. N., Torgov, I. V. - Reduction of some D-homosteroids with an aromatic ring A by alkali metals under conditions of Birch's process. Part 1 p 7
- Iamatova, R. Sh., Abubakirov, N. K. - Glycosides from *Apocynum androsaemifolium* L. Part 2: Structure of apocynoside. p 15
- Korotkaya, N. I., Danilova, A. V., Utkin, L. M. - Structure of the alkaloid renardin. Part 3: Structure of dihydroxyrenardin. p 22
- Pastukhova, V. I., Sidiakin, G. P., Iunusov, S. I. U. - Alkaloids from *Haplophyllum*. Part 4: Structure of phollosidin. p 27
- Iuldashov, P. Kh., and others. - Structure of vinelandine and vineryline. p 34
- Reshetov, P. D., Khokhlov, A. S. - Streptoliricins. Part 6: Preparation and properties of individual streptoliricins. p 42
- Bochkarev, V. N., and others. - Depsipeptides. Part 51: Mass spectrometric study of cyclooligodepsipeptides of regular structure. p 52
- Kir'ushkin, A. A., Oreshnikov, I. U. A., Shemlakin, M. M. - Complete synthesis of angolide. p 58
- Makstulina, N. P. - Flavonoids from *Cleistanthus*. Part 1: Robinin and gellan from the wallflower fruit. p 62
- Pakudina, Z. P., Sadykov, A. S., Denlev, P. K. - Flavonoids from *Gossypium hirsutum* L. (cotton growth 108-F). p 67
- Utkin, L. M., Serebriakova, A. P. - Isoflavone-glycoside from *Piptanthus mansu* M. Pop. p 70
- Nikonov, G. K., Pipenov, M. G. - Chemical study of *Angelica sachalinensis* Maxim. p 73

# **KHIMIJA V SHKOLE [CHEMISTRY IN SCHOOLS]** Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, vol. 20, no. 3, May-June 1965.

# **\*KINETIKA I KATALIZ [KINETICS AND CATALYSIS]** Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.] Moscow, vol. 6, no. 1, Jan.-Feb. 1965.

Table of contents translated:

- Semenov, N. N., Shilov, A. E. - Part played by excited particles in branched chain reactions. p 3
- Nikitin, E. E. - Average lifetime of active molecules and oscillator models of monomolecular reactions p 17
- Basevich, V. I. A., Kogarko, S. M. - Flame propagation under conditions of the ignition peninsula of hydrogen-oxygen mixtures. p 23
- Sumin, L. V., Gur'ev, M. V. - Method of determining the excitation energy of molecular ions. p 31

- Dvorko, G. F., Shilov, E. A. - Kinetics and mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 4. Addition of hydrogen iodide to dimethyl ester of acetylenedicarboxylic acid in toluene, chlorobenzene, and hexane. p. 37.
- Pikae, A. K., and others. - Mechanism of hydrogen peroxide formation in a 0.4 M aqueous solution of sulfuric acid at high dose rate of absorption. p. 41.
- Mikhailov, A. I., Lebedev, I. A., Buben, N. A. - "Stepwise" recombination of free radicals in irradiated organic substances. Part 2: Formal-kinetic model and a method for evaluation of kinetic constants. p. 48.
- Zhuravov, E. L., Bubnov, N. N., Voevodskii, V. V. - Formation and reactions of free radicals in organosilicon compounds subjected to ultraviolet irradiation. Part 1. Polyphenylmethylsiloxane. p. 50.
- Nedumova, E. S., Borekova, G. K., Sil'ko, M. G. - Kinetics of isotope exchange between hydrogen and water vapors on nickel catalysts. Part 1: Effect of transport processes on the reaction rate. p. 65.
- Bakumenko, T. T. - Catalytic properties of rare-earth oxides in hydrogen oxidation. p. 74.
- Morozov, N. M., Luk'anova, L. I., Tomkin, M. I. - Kinetics of ammonia synthesis on alloys of iron and cobalt. p. 82.
- Minichev, Kh. M., Khodakov, I. U. S. - Catalytic properties of rare-earth elements in the conversion of n-butane. p. 89.
- Volkenshtein, F. F., Peshev, O. - Electron factors in the kinetics of chemisorption on semiconductors. p. 95.
- Elendin, A. A., Tolstopyanova, A. A. - IUI TSi-tsiuan' [YU CH'-ch'ian] p. 100.
- Balandin, A. A., and others. - Hydrogenolysis of ethane in a flow system on nickel catalysts. p. 115.
- Dmitrenko, L. M., Lachinov, S. S., Siviakova, R. T. - Effect of cathodic and anodic polarization of a catalyst for ammonia synthesis on its activity. Part 2. p. 121.
- Krylov, O. V., and others. - Mechanism of adsorption and isotope exchange of CO<sub>2</sub> on MgO and Mg(OH)<sub>2</sub>. p. 128.
- Davydova, I. R., Kheisman, S. L. - Effect of oxygen sorption by a nickel catalyst and its slitting on the kinetics of para-ox conversion and hydrogen isotope exchange. p. 137.
- Bkhatachidji, S. K., Ganguli, N. D., Avasthi, B. N. - Catalytic conversion of ethanol to butadiene. p. 144.
- Fiedel, V. M. - Catalytic decomposition of hydrazine over germanium. p. 149.
- Silinskaya, I. B. - Genesis and the porous structure of beryllium oxide. p. 155.
- Maldanovskii, L. G., Kurina, L. N., Belousova, V. N. - Conductance of vanadium catalysts in the reaction of oxidation of methyl alcohol. p. 159.
- Volfson, V. A., and others. - Nature of the active component of vanadium oxide catalyst for naphthalene oxidation. p. 162.
- Latyshov, V. P., Kaliberda, L. M., Popova, N. I. - Differential calorimetry method of studying the oxidation of propylene and propylene oxide on a silver catalyst. p. 167.
- Rekhsfel'd, V. O., Prokhorova, V. A., Puzina, V. A. - Calculation of rate constants for the three-step parallel-consecutive reactions of second order. p. 171.
- Kim, Z. V., and others. - Reactor for liquid-phase catalytic reactions in thin layers. p. 176.
- Noslov, O. V., Entelis, S. G. - Kinetics of interaction between p-chlorophenyl isocyanate and methyl alcohol in n-heptane. p. 178.
- Mishchenko, I. A., Borekova, G. K., Gexoraki, V. I. - Catalytic activity of  $\gamma$ -irradiated silica gel in homomolecular oxygen exchange. p. 179.
- Mastikhin, V. M., Ketel, L. M., Kicov, N. P. - Electron paramagnetic resonance spectra generated in the adsorption of oxygen on rutile. p. 180.
- Gembitskii, L. S., Glukman, S. A. - Dynamic and optical properties of acetyl cellulose gels in benzyl alcohol. p. 172.
- Gorodkov, V. D. - Effect of electrolytes and protective colloids on the change in structural-adsorptive deformations in the system clay - liquid. p. 178.
- Dogadkin, B. A., Kuanyshov, K. G., Gut, V. E. - Effect of vulcanization cross-linkages and strain conditions on the static and dynamic strength of vulcanizates. p. 182.
- Zemlitskii, E. A. - New method of dispersion analysis by centrifugation. p. 186.
- Zimon, A. D. - Necessity of accounting for the adhesive forces in determining the initial rate of entrainment of particles by a flow. Some aspects of the adhesion of powder particles to liquids. p. 193.
- Zolova, K. V., Trapeznikov, A. A. - Two-sided films formed from solutions of aerosol MA with gelatine additions. p. 197.
- Kochetov, V. I., Klepikov, E. S., Garalshin, R. M. - Effect of surface-active agents on the atomization of liquids. p. 203.
- Kukoz, L. A., Aydeev, N. I. A., Kukoz, F. I. - Quantitative evaluation of the effect of the precipitation conditions on the granulometric composition of nickel-nickel hydride. p. 207.
- Kutenev, V. N., and others. - Physicochemical properties of microinhomogeneous mixtures of incompatible polymers. Polybutadiene-butadiene-nitrile rubbers. p. 211.
- Lipatov, I. U. S., Sergeeva, L. M. - Some regularities of the adsorption of macromolecules from solutions. p. 217.
- Lykin, A. S., Tarasova, Z. N., Dogadkin, B. A. - Effect of the vulcanizing network structure on the strength and elasticity of rubbers. Part 2: Structural changes of the network under thermal and thermooxidative action. p. 224.
- Lumina, M. A., Sharal, T. A. - Stability and aging of stabilized organosols of some metals. p. 232.
- Maikin, A. I. A., Vinogradov, G. V. - Rheology of polymers. Relaxation properties of polymers in a state of visco-plastic flow. p. 234.
- Markina, Z. N., and others. - Surface activity of some soaplike microcolloids in relation to micelle formation in their aqueous solutions. p. 242.
- Matynov, G. A., Smilga, V. P. - Interaction between colloidal particles having dipole molecules adsorbed on their surface. p. 253.
- Neiman, R. E., Lushenko, O. A. - Stability and coagulation of synthetic latexes. Part 6: Effect of secondary ions of electrolyte-coagulants on the kinetics of the first stage of coagulation. p. 254.
- Sesin, N. I., Zubov, P. I., Ivanova, L. V. - Thixotropy in organic suspensions of bentonite and aerosol. p. 259.
- Smirnov, V. V., Ischuk, I. U. L., Kaitinin, B. N. - Effect of the degree of saturation of a fatty acid radical on the structure of hydrated Ca-soap in plastic soap greases. p. 264.
- Rastrenenko, A. I., Antonovskaya, S. N., Neimark, I. E. - Hydrophilic properties of ion-exchange derivatives of A-type zeolites. p. 269.
- Tarakanov, O. G., Eremina, E. G. - Foam formation in nonaqueous media. Part 2: Characteristics of breakage of foams based on dioctyl phthalate. p. 274.
- Cherlov, V. M., Dzhamtseva, D. B., Neimark, I. E. - Effect of hydrothermal treatment of the silicic acid hydrogel on the structure and properties of xerogel. p. 279.
- Shulman, M. S. - Precipitation of enzymes by organic solvents. p. 284.
- Ravdel', A. A., Kozlov, G. A. - Microscopic observation of ice formation in coated inverse emulsions. p. 287.
- Defnaga, I. U. F., Sinitsyn, V. V., Vinogradov, G. V. - Optical anisotropy of calcium greases. p. 289.
- Glazman, I. U. M., Krasnokutskaya, M. E., Sapon, I. P. - Coagulation zones in the course of action of surface-active agents on hydrophobic sofs. p. 290.
- Taubman, A. B., Nikitina, S. A., Prigorodov, V. N. - Role of quasi-spontaneous emulsification in the process of stabilization of emulsions. p. 291.
- "Course in colloid chemistry" by S. S. Volvitskii. p. 292.
- MOSCOW, VSESOUZNIY NAUCHNO-ISLEDOVATELSKIY INSTITUT KHIMICHESKIKH REAKTIVOV I OSOBO CHISTYKH VESHCHESTV. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF CHEMICAL REAGENTS AND ANALYTICALLY PURE SUBSTANCES, Transactions]. No. 25, 1983, Chemical reagents and preparations.
- Table of contents translated:
- Serebriakova, G. V., and others. - Bis-salicylal ethylenediamine, a luminescent reagent for the determination of magnesium. p. 9.
- Brudis, V. G. - Sulfonazo, a new reagent for vanadium. p. 17.
- Bozhevol'nov, E. A., Krolingol'd, S. U. - Use of fluorocarbon complex in the analysis of cation traces. p. 24.
- Dzlonko, V. M., Krasavin, I. A. - Synthesis of pyrazole derivatives containing bidentate complex-forming groups. p. 41.
- Dzlonko, V., Markovich, L. S., Zelichenko, S. L. - Color reactions of quinazoline multidentate derivatives. p. 47.
- Lastovskii, R. P., and others. - New polycomplexons. p. 57.
- Mikhailov, G. I. - Synthesis of quinolinium bases. Report No. 5: Synthesis, extraction, and purification of 1,10-phenanthroline. p. 66.
- Mikhailov, G. I., Pankova, E. S., Iarovenko, E. I. A. - Preparation of high-purity organic substances. Report No. 1: Preparation of high-purity  $\alpha$ -nitronephthalene. p. 78.
- Diatlova, N. M., and others. - Synthesis and study of new complexons containing heteroatoms in cyclic compounds. p. 83.
- Diatlova, N. M., and others. - Synthesis and study of new selective ion-exchange resins. p. 91.
- Lastovskii, R. P., Temkina, V. I. A., Selverstova, I. A. - Synthesis and study of lead ethylenediaminetetraacetate. p. 100.
- Gorshtein, G. L., Kumaneva, G. A., Kifarova, I. A. - Investigations of some processes of the purification of cobalt salts using radioisotopes. p. 104.
- Gorshtein, G. L. - Formula for the dependence of the surface distribution coefficient on the indices representing the conditions of crystallization. p. 123.
- Starkov, S. P. - Synthesis of 4,4'-dichlorobenzophenone. p. 131.
- Starkov, S. P., Barmistrov, V. T. - Synthesis of 2,5-dimethylacetylphenone. p. 135.
- Priantshnikov, A. A., Ostrovskaya, V. M., Raikhlina, N. T. - Synthesis, properties, and use in histochemistry of tetrazolium salts with electron-acceptor substituents. p. 139.
- Lukin, A. M. - Factors of interaction of organic reagents with inorganic ions and "analytical-active groups". p. 149.
- Lukin, A. M., Petrova, G. S., Diatlova, N. M. - Reaction of cation (prepared by the Institute of Chemical Reagents) with lead and cadmium. p. 161.
- Dzlonko, V. M., Rudenko, N. P., Kremenskaya, I. N. - Mixed cyclocomplex formation in the system thorium(IV) - cupferron - 4'-nitro-2,2'-dihydroxy-4-methyl-5-isopropylazobenzene. p. 172.
- Dzlonko, V. M. - New cases of the extraction of mixed chelates. p. 183.
- Dzlonko, V. M., Dunaevskaya, K. A. - Synthesis of extraction agents forming colored mixed chelates. p. 187.
- Blilk, I. M., and others. - Effect of additions on the synthesis of diphenylolpropane. p. 191.
- Klimov, V. V., Didskovskaya, O. S. - Determination of niobium by the luminescent method. p. 195.
- Shafra, I. G., and others. - Analytical application of calcium (prepared by the Institute of Chemical Reagents) for complexometric and photometric determination of calcium. p. 205.
- Shafra, I. G., Stepanova, A. G., Pankratova, L. I. - Isometric determination of thiourea dioxide. p. 215.
- Pevtsov, G. A., Krasil'shchik, V. Z. - Luminescence in electrolysis as a radiation source for spectral analysis. p. 221.
- Davydovskaya, I. U. A., and others. - Conductometric analysis of boron fluoride in reaction mixtures in the synthesis of diphenylolpropane. p. 232.
- Bogatyrev, P. M., Navlazhskaya, E. A. - Rapid method for the calorimetric determination of magnesium in a preparation of titanium dioxide of anatase modification using magnesium (prepared by the Institute of Chemical Reagents). p. 240.
- Shafra, I. G., Strolina, I. A. - Determination of microquantities of cobalt using radiometric titration and electrophoresis. p. 244.
- Gorshtein, G. L., Rii, E. A., Danielova, G. T. - Determination of the arsenic impurity in antimony trichloride and trioxide. p. 249.
- Novikovskaya, N. A., Stepanova, A. G., Blinova, V. I. - Determination of thiourea and disulfide impurities in thiourea dioxide. p. 252.
- Parashnikova, M. Z., Shafra, I. G. - Complexometric indicators. p. 258.
- Parashnikova, M. Z., Shafra, I. G. - Complexometric method of determining the main substance in reagent chemicals. p. 274.
- Mazo, L. I. A., Shafra, I. G. - Determination of arsenic microquantities in water. p. 283.
- Shafra, I. G., Mazo, L. I. A. - Determination of silicon impurities in hydrofluoric acid. p. 286.
- Diatlova, N. M., Lavrova, O. R. - Reduction of rare-earth metals. p. 289.
- Pevtsov, G. A., and others. - Chemical-spectral determination of the traces of metals in chemical reagents. p. 303.
- Novikovskaya, N. A., Stepanova, A. G. - Determination of chlorine and bromine in organic compounds. p. 311.
- Karakovskaya, O. A., Bozhevol'nov, E. A. - Determination of an iron microimpurity in high-purity substances by the chromatographic method with  $\alpha$ -phenanthroline. p. 317.



- Gorbunov, V. P., Zakara, L. A. - Determination of microquantities of iron in barium salts using a titanous chloride reagent. p. 321.
- Gorbunov, V. P., Shcheglov, L. A., Elynskaya, E. V. - Volumetric determination of microgram quantities of nickel in lead salts. p. 325.
- Gorbunov, V. P., Gorbunov, F. P., Krasovskaya, T. A. - Determination of copper in nickel-zinc formate by the diethylthiocarbamate method. p. 329.
- Gorbunov, V. P. - Quantitative determination of some carboxylic acids and their derivatives. p. 334.
- Gorbunov, V. P., Sivkova, V. G. - Determination of the catalytic phase of cerium using sulfonazo reagent. p. 343.
- Gorbunov, V. P., Gavrilova, V. A. - Series of primary saturated normal alcohols. Report No. 2 Change in physicochemical properties in the series of normal primary alcohols and the effect of impurities on their physical characteristics. p. 347.
- Krasovskaya, E. A., Bozhvol'nov, E. A. - Analytical properties of the cerium-complex. p. 358.
- Krasovskaya, E. A., Bozhvol'nov, E. A. - Certain remarks concerning the applicability of Bertram and Schwab's methods for calculating the constants of dissociation of acids. p. 374.
- Krasovskaya, E. A., Bikhman, B. L. - Using the measurements of electric conductivity in studying complexions. p. 375.
- Krasovskaya, E. A., Lavrova, O. I., Bikhman, B. L. - Determination of the composition and instability constants of some complex salts. p. 381.
- Krasovskaya, E. A., Bikhman, B. L. - Study of complexions by the high-frequency titration method. p. 400.
- Krasovskaya, E. A., Tselinskiy, I. U., Sakharov, L. I. - Extraction of microimpurities of metals by amines. Report No. 1 Calculation of the concentration of halide ions required for the extraction of metals using instability constants. Extraction of zinc. p. 408.
- Krasovskaya, E. A. - Extraction of microimpurities of metals by amines. Report No. 2 Simple method for determining the instability constants of metal halide complexes. p. 415.
- Krasovskaya, E. A., Oboznenko, I. U. - Crystalline modifications of a complex of copper monochloride with thiocyanate. p. 420.
- Krasovskaya, E. A., Bozhvol'nov, E. A., Serebriakova, G. V. - Determination of the instability constant of a complex of 8-(p-toluenesulfonylamino)-quinoline with zinc. p. 422.
- Krasovskaya, E. A., and others. - Preparation of tetraalkylammonium hydroxide by the electrochemical method using ion-exchange membranes. p. 427.
- Krasovskaya, E. A., Kallashina, N. S., Vil'shau, K. V. - Preparation of spectrally pure solvents. Report No. 1 Isotane, cyclohexane. p. 454.
- Krasovskaya, E. A., Raskidkin, V. K. - Kinetics of ammonia absorption by its aqueous solutions in a column with gridless wire plates. p. 437.
- Krasovskaya, E. A., Raskidkin, V. K. - Heat transfer through the walls of a coil pipe under bubbling-filling conditions. p. 446.
- Krasovskaya, E. A., Orlovskiy, V. L. - Calculation of magnetite in an apparatus with a fluidized bed. p. 450.
- Krasovskaya, E. A., Gelshin, P. A., Gamol'skii, A. M. - Continuous distillation of ammonium sulfide. p. 457.
- Krasovskaya, E. A., Krivobok, V. L. - Preparation of barium oxide with a high content of main substance. p. 461.
- Krasovskaya, E. A., Orlovskiy, V. L., Palei, N. A. - Preparation of granulated magnesium nitride by a continuous method. p. 465.
- Krasovskaya, E. A., Vil'shau, K. V., Baibakov, D. P. - Synthesis of the products of titanium tetrachloride hydrolysis. p. 470.
- Krasovskaya, E. A., Krivobok, V. L. - Purification of barium compounds with trilon B. p. 479.
- Krasovskaya, E. A. - Use of ultrasound in the production of metallic salts. p. 483.
- Krasovskaya, E. A., Mol'nikov, K. M. - Chromatographic method of sugar refining by the removal of mineral impurities and acidity as exemplified by arabinose. p. 493.
- Fomin, V. V., Rudenko, T. I. - Properties of tributyl phosphate solutions in benzene, carbon tetrachloride, and n-decane. Part 1: Heats of mixing and changes in volumes on mixing anhydrous tributyl phosphate with benzene, carbon tetrachloride, and n-decane. p. 33.
- Vdovenko, V. M., Riazanov, M. A. - Activity coefficients in multicomponent systems. Part 1. p. 39.
- Vdovenko, V. M., Lazarev, L. N., Shrivinskiy, E. V. - Study of thermodynamic characteristics of the system HF-HNO<sub>3</sub>-H<sub>2</sub>O. Part 1: Measurement of vapor pressure of components of systems HF-H<sub>2</sub>O and HF-H<sub>2</sub>O<sub>2</sub>-H<sub>2</sub>. p. 46.
- Gel'man, A. D., Zaitseva, V. P. - Preparation and certain properties of nitrate solutions of Pu(V). p. 49.
- Gel'man, A. D., Zaitseva, V. P. - Behavior of Pu(V) in nitrate solutions. p. 50.
- Krestov, G. A. - Complete thermodynamic characteristics of electrode processes involving rare-earth and actinide elements. p. 60.
- Kuz'micheva, E. U., and others. - Reaction of uranium oxides of various compositions with sulfuric acid. p. 78.
- Andreeva, I. V., Rogozhina, E. M., Andreev, P. F. - Processes and products of the reaction of high-molecular compounds with inorganic salts. Part 5: Physicochemical studies of the reaction of polyacrolein with inorganic salts. p. 83.
- Rybakov, V. N., Mal'tseva, N. S. - Study of the reaction (p, n) on <sup>145</sup>Sm by the radiochemical method. p. 90.
- Shpakov, V. I., and others. - Yields of <sup>87</sup>Br, <sup>88</sup>Br, <sup>89</sup>Br, <sup>137</sup>I, <sup>138</sup>I precursors of delayed neutrons in the fission of <sup>235</sup>U and <sup>232</sup>Th by neutrons with an energy of 14.5 MeV. p. 96.
- Vdovenko, V. M., Bullantisa, L. S. - Distribution of the alkali metal halides between aqueous solutions and organic solutions of iodine. Part 4: Distribution of cesium chloride between aqueous and organic solutions of iodine. p. 104.
- Kirgintsev, A. N., Avvakumov, E. G. - Relation between separation factors in binary and ternary systems. p. 107.
- Kletenik, I. U., Levin, I. S. - Interaction of mono-2-ethylhexylphosphoric acid with tributyl phosphate in n-octane. p. 110.
- Bustaeva, M. N., Samoilov, O. I., Iashchikov, V. I. - Covariance of cation reaction with water molecules and the heats of solution of Rb, Tl, Mg, Co, and Ni nitrates. p. 113.
- Lebedev, N. A., Tolstoy, N. S., Khalkin, V. A. - Microchromatographic column with remote control. p. 115.
- Lapitskii, A. V., Derdonosov, S. S. - Bromination of microquantities of protactinium-233 on carrying agents. p. 119.
- Belov, S. V., Ankin, V. S. - Determination of the total fissions in a natural mixture of uranium during its irradiation by neutrons. p. 120.
- Zhuravskaya, A. S. - Use of ethanol in the isolation of sodium-22 from cyclotron targets. p. 125.
- Zaborenko, K. B., Korolukov, V. I. - Effect of the pH of the impregnating solution on the track length of the  $\alpha$ -particle in the nuclear photographic emulsion. p. 126.
- In memory of Konstantin Konstantinovich Aglintsev. p. 120.
- Vol 7, no 2, 1965
- Table of contents translated.
- Vdovenko, V. M., Krasovskaya, E. A., Riazanov, M. A. - Effect of the nature of a diluent on the distribution of coefficients. p. 133.
- Lapitskii, A. V., Rudenko, T. I., Abdel' Gavard Saed. - Extraction of thorium, protactinium, and uranium by means of neocupferron. p. 139.
- Rudenko, T. I., Abdel' Gavard Saed., Lapitskii, A. V. - Behavior of thorium, protactinium, and uranium during extraction by means of benzoyldiisobutyric acid and N-benzoylphenylhydroxylamine. p. 142.
- Krasovskaya, E. A., Kashirina, F. D. - Effect of structural factors on the thermodynamic characteristics of extraction of the salts of basic dyes. Part 8: Composition and structure of solvates in isopropyl alcohol. p. 148.
- Vdovenko, V. M., and others. - Thermodynamic characteristics of the system HF-HNO<sub>3</sub>-H<sub>2</sub>O. Part 2: Calculation of activity of components in the system HF-HNO<sub>3</sub>-H<sub>2</sub>O. p. 151.
- Rodionov, I. U., Klokman, V. R. - Effect of a diluent on the solubility of metallic cadmium in fused cadmium chloride-alkali metal chlorides. p. 159.
- Ziv, D. M., Shestakova, I. A. - Solubility of some actinium compounds. Part 1: Determination of the solubility of actinium oxalate. p. 160.
- Ziv, D. M., Shestakova, I. A. - Solubility of some actinium compounds. Part 2: Determination of solubility and evaluation of the relative basicity of actinium hydroxide. p. 173.
- Chudnov, E. G., Shvetsov, I. K. - Complex-forming capacity of pentavalent neptunium. p. 188.
- Grebenshchikova, V. I., Davydov, M. P. - Study of Pu(IV) in the pH = 1.0-12.0 region at 2-10<sup>-5</sup>M plutonium concentration. p. 191.
- Stark, I. E., Kuznetsov, B. S., Ampel'gova, N. I. - Behavior of plutonium in ketones and mixed acetone solutions. p. 196.
- Stark, I. E., Ampel'gova, N. I., Kuznetsov, B. S. - Effect of ketones on the behavior of plutonium in hydroxyacetic acid solutions. p. 199.
- Nefedov, V. D., and others. - Synthesis of mono- $\alpha$ -naphthyl derivatives of plutonium. p. 203.
- Kanevskii, E. A., Filippov, A. P. - Kinetics of the reaction of UO<sub>2</sub> and Fe(III) in perchloric acid solutions. p. 207.
- Vdovenko, V. M., Dubasov, I. U. - Physicochemical study of some actinide compounds. Part 1: Extraction of actinium. p. 214.
- Avdonina, E. N., and others. - Reaction of actinide atoms of thorium and U-14 with heterocyclic compounds. p. 220.
- Fomin, V. V. - Cation exchange on column with an elevated pressure and temperature. p. 221.
- Vdovenko, V. M., Lazarev, L. N., Krasovskaya, E. A. - Solutions of Pu(IV) in perchloric and sulfuric acids. p. 232.
- Lapitskii, A. V., Stan'kin, A. I. (Shcheglov, L. A.). - State of actinium in diluted organic acid solutions. p. 241.
- Kiselev, B. P., Balashov, V. I. - Temperature dependence of the separation coefficient of actinium and barium in amalgam exchange. p. 244.
- Nefedov, V. D., and others. -  $\alpha$ -Naphthyl derivatives of plutonium. p. 245.
- Panek, K., Mada, K. - Continuous measurement of radioactivity during the separation of <sup>138</sup>La and <sup>140</sup>La compounds by gas-liquid chromatography. p. 247.
- Nikolaev, A. V., Grigor'ev, V. A. - Determination of the surface area of tetraalkylammonium salts by the isotopic exchange method. p. 253.
- Gedemov, L. I., Rybakov, V. G., Savitskaya, N. A. - Determination of Be<sup>7</sup> in the analysis of atomic aerosols and in precipitates in the presence of fission fragments. p. 254.
- REFERATIVNYI ZHURNAL: KHIMIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut Khimicheskoi Informatsii Akademii Nauk SSSR [Institute of Chemical Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 11, June 1965.
- \*RUSSIA (1923- U.S.S.R.) Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniia. [Vysshii i Srednii Spetsial'nyi Vuzovskii, Khimicheskii i Tekhnicheskii Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniia. Bulletin of the Institute of Higher Learning Chemistry and Chemical Technology of Moscow, vol. 8, no. 1, 1965.]
- Table of contents translated.
- Levin, M. E., Kuchukova, I. N., Kallashina, N. S. - Phase diagrams of the systems NaCl-H<sub>2</sub>O, Na<sub>2</sub>CO<sub>3</sub>-H<sub>2</sub>O, and K<sub>2</sub>CO<sub>3</sub>-H<sub>2</sub>O. p. 3.
- Pukhovskii, T. G., Spasovskaya, E. P. - Reaction of compounds of the sixth group of elements with mercury. Part 1: Methylmercury. p. 11.
- Kovaleva, P. N., Mamonova, L. N. - Conditions for separating copper and arsenic when present together in a sulfuric acid solution. p. 17.
- Bukharov, V. V. - Kinetic method for determining microquantities of bivalent and trivalent anions present together and the mechanism of the peroxidase activity. p. 23.
- Spiridonova, S. I., Nikitin, L. K. - Mutual effect of furfural and isobutanol on their solubility in mixed solvents. p. 31.
- Mishchenko, K. P., Tanfonska-Oshinska, B. M. - Approximate calculation of heats of solution of some ions in methanol. p. 41.
- Mitnikov, P. M., Polenova, M. V. - Dissociation thermochemistry of nitrotriacetic acid in an aqueous solution. p. 42.
- Kushmarov, I. P., Atroschenko, V. I. - Contact oxidation kinetics of methanol to formaldehyde on a silver catalyst under pressures. p. 47.
- Tolmacheva, I. U. A. - Comparative study of sodium and hydrogen ion exchange by calcium, zinc, cadmium, lead, and copper ions using KU-2 SDS-1 and KB-4p-2 cation exchangers. p. 53.
- TSitovich, I. K., Kononova, E. A., TSarichenko, B. F. - Salts forms of cation exchangers and the separation of organic acids. p. 60.
- Ubol'tseva, V. A., Chistakov, I. G., Nasyrova, M. D. - Thermographic and polarizing microscopy study of L-ascorbic acid. p. 65.
- Kononova, G. E., Lenskaya, V. N. - Polarographic study of alizarin S. p. 69.
- Erykalov, I. U. G., Filatov, V. M. - Orientation in substitution in the aromatic series. Isomerization of trichlorobenzenes. p. 75.
- Pyralova, P. S., Zil'berman, E. N. - Reduction of aromatic and branched aliphatic nitriles with stannous chloride. p. 82.

- Kulnina, A.A., Kabanova, G.B., Kirillov, I.P. - Relation between the catalytic activity of phosphate catalysts and the conditions of their preparation. p.88.
- Zemskov, I.F. - Continuous purification of gas mixtures by removing sulfur dioxide in the fluidized bed of a solid granular sorbent. p.91.
- Aliev, Fakh, M.I., Tutina, K.M., Kudavtsev, N.T. - Effect of pH on the cathodic process during the electrodeposition of cadmium from sulfate ammoniate electrolytes. p.99.
- Gofman, N.T., Nikol'shchik, T.N. - Electrolytic production of cobalt precipitates with specified characteristics. p.104.
- Dutt, I.U.M., Kolbasov, V.M., Lagoda, A.V. - Hydration of aluminum-containing clinker minerals in the presence of potash. p.111.
- P'achev, V.A., Chebukov, M.F. - Dichromate sludge as a raw material for the production of cements. p.118.
- Ivanov, N.V., Rogovin, Z.A., Nguyen, Vin' Chi - Synthesis of silicon-containing cellulose ethers. p.124.
- Davankov, A.V., Laufer, V.M., Kuznetsova, L.B. - Reaction of polyvinyl chloride with pyridine bases. p.127.
- Raevskii, V.G., and others. - Study of the surface of a caprolactam film. p.131.
- Rtzaev, N.U., Tursunov, M., Abdurakhimov, A. - Sorption kinetics of fatty acids and gossypol from cottonseed oil miscella on a EDE-10 anion exchanger. p.137.
- Elliev, I.U.E. - Rectification kinetics of concentrated solutions of binary mixtures. p.138.
- Kagny, S.Z., and others. - Problems of hydrodynamics and mass transfer in pulsating sieve extractors. p.142.
- Ginz, S.N., Kuznetsov, I.E. - Calculation of hollow towers equipped with centrifugal atomizers. p.151.
- Kroschkin, M.P. - Basic design of hydraulic ring screw compressors. p.155.
- Protosenko, P.I., Protosenko, A.V. - Determination of the thermal stability of fused salts. p.160.
- Fridman, G.B., Nuterman, T.L. - Reaction of copper salts with mannitol. p.162.
- Kuz'minskaya, T.F., Chedavey, I.U.S. - Inhibiting effect of alcohols and phenols on the oxidation reaction of sodium sulfite with atmospheric oxygen. p.163.
- Berdnikov, A.I. - Determination of potassium in the soil with the aid of sodium tetraphenyl borate by a gravimetric method. p.166.
- Klimov, V.L., Bakhtin, I.U.I., Ivanova, G.V. - Approximation of tables for thermodynamic functions of individual substances. p.168.
- Zubov, V.V., and others. - "General chemical technology" by I.P. Mukhlenova, and others. p.171.
- UZBEKSKII KHIMICHESKII JIURNAL [UZBEK CHEMICAL JOURNAL].** Issued by Akademika nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol.9, no.1, 1965.
- Table of contents translated:
- Tukhsanov, E., Nablav, M.N. - Reaction of ammonium humate with  $\text{Ca}_3(\text{PO}_4)_2$ . p.5.
- Markman, A.L., El'gort, V.M. - Polarographic behavior of  $\alpha$ -iminopropionol and pyrotartaric acids in the presence of alcohol and sodium sulfite. p.8.
- Chabrova, O.G., Afanas'ev, M.I., Vigdergauz, M.S. - Analysis of heavy pyrolytic resin from petroleum hydrocarbons by gas chromatography. p.13.
- Genkina, G.L., Abubakirov, N.K. - Quantitative determination of cardiac juto glycosides. p.18.
- Kil'man, I.A.I. - Theoretical principles of the neutralization of ammonium nitrate production. p.23.
- Kadyrov, I.A.K., Alimkhanov, O. - Quantitative determination of novocaine amide. p.31.
- Talipov, Sh.T., Abdullaeva, Kh.S., Ningsi, K.G. - 4-(2-N-methylanthranilazolo)-resoreinol, as an analytical reagent. p.34.
- Shakirov, R., Nurliddinov, R.N., Ibrusov, S.I.U. - Alkaloids of Pellium Eduard (A.Rgl) Vved. p.38.
- Zabramnyi, D.T. - Chemical concepts of the processes of formation of petrographic components of coals. p.43.
- Umanov, Z., Kamenskii, I.V., Losov, I.P. - Synthesis and study of the products of furfural condensation with higher aliphatic ketones and polymers based on them. p.47.
- Iyanova, T.K., Litovich, A.S. - Polishing film on the surface of a silicon anode. p.53.
- Kamatov, K., and others. - Development of the production technology for ammoniated super-phosphate on the basis of a granulation equipment. p.58.
- Levsh, I.P. - Certain generalizations in hydrodynamics of the gas - liquid system. p.62.
- Madzhdov, A., Abduvaliev, A., Sultanov, A.S. - Production of 2,6-dimethyloturan. p.72.
- Akhbarov, I. - Valuable work on glassmaking in Central Asia by A.A. Abdurazakov M.A. Bozborodov, I.U.A. Zadneprovskii. p.76.
- IAkub Isanovich Aliev. p.77.
- VSESOIUZNOE KHIMICHESKOE OBSHCHESTVO IMENI D.I. MENDELEEVA, Zhurnal [D.I. MENDELEEV ALL-UNION CHEMICAL SOCIETY. Journal].** Moscow, vol.10, no.2, 1965.
- Table of contents translated:
- Torner, R.V., Gudkova, L.F. - Theoretical principles of the methods of processing of polymers. p.122.
- Mishchenko, M.I. - New machines and equipment for processing of plastics and their trend of development. p.133.
- Usenko, V.A. - New methods of processing chemical fibers. p.144.
- Konkin, A.A. - Elastomer synthetic fibers. p.152.
- Kazakova, L.I., and others. - Processing of polymers into film materials. p.160.
- Evstafatov, V.F., Prashchkin, V.N. - Tires of new designs. p.164.
- Belyi, V.A. - Machine construction elements made of polymeric materials. p.169.
- Kiselev, B.A. - Basic trend in the manufacture of glass plastics and articles made from them. p.179.
- Napalkov, N.A., Pokrovskii, L.I. - New development in the manufacture and use of foamed plastics. p.188.
- Gol'perin, N.I., Podgaetskaya, O.I., Dubinin, M.K. - Latest in the technology of drying of polymeric materials. p.195.
- Mel'nikov, N.N. - Second All-Union Conference on the Chemical Protection of Plants. p.221.
- Iankov, E.I. - First All-Union Scientific and Technological Conference on the Use and Processing of Plastic Materials in the National Economy. p.225.
- Scientific research work of members of the D.I. Mendeleev All-Union Chemical Society. p.237.
- Tshilovich, I.K., Bankov, D.V. - Sorption by ion exchangers and the possibility of separating transition elements of the fourth period in succinic acid solutions. p.228.
- Iuzhakov, O.A., Bystrov, V.F., Kostianovskii, R.G. - Conjugation of ethylenimine amines with an activated double bond. p.220.
- Garkovik, N.L., Bogatskii, A.V., Andronati, S.A. - Synthesis and stereoisomerism of 2-methyl-5-isopropyl-5- $\alpha$ -isopropoxyethyl-1,3-dioxane. p.231.
- Kostianovskii, R.G. - N-Acryloyl-ethylenimine. p.231.
- Korelov, A.I., Erlikh, R.D., Dobrovolskii, S.V. - Catalytic methylation of cyclohexanone with dimethylamine. p.233.
- Sokolov, S.V., Mazalov, S.A., Gorasimov, S.I. - Reaction of tertiary perfluorinated amines with aluminum chloride. Synthesis of perfluorocyclohexanone. p.234.
- Zolman, I.U.V., Gambarian, N.P., Kuntants, I.L. - Semiacetone of hexafluoroacetone. p.235.
- Gavrilko, I.U.M., Kovalenko, P.N., Bagdasarov, K.N. - Oscillographic polarographic determination of rhodium. p.236.
- Floshin, M.I.A., and others. - Electrochemical carbonylation of unsaturated compounds. p.238.
- Teodorovich, I.L., and others. - Possibility of preventing the coprecipitation of cobalt (II) and iron (III). p.238.
- Korneva, E.D., Evdokimov-Skopinskii, A.N. - Synthesis of 1-naphthol-3,6-disulfonic acid. p.239.
- Novokhatka, D.A., Malushonakii, D.V., Tshirina, M.K. - Reaction of phenol with 2-chloroprene in the presence of Friedel-Crafts catalysts. p.240.
- \* VYSOKOMOLEKULARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS].** Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.7, no.4, Apr. 1965.
- Table of contents translated:
- Berlin, A.A., Popova, Z.V., Ivanovskii, D.M. - Stabilizing activity of polymers with conjugated bonds in thermal and photooxidative degradation of polyvinyl chloride. p.589.
- Kargin, V.A., Sogolova, T.I., Rapoport-Molodtsova, N.I.A. - Structure and mechanical properties of plasticized isotactic polystyrene in the presence of artificial crystallization nuclei. p.576.
- Lipatova, T.E., Siderko, V.M., Budnikova, V.A. - Reactivity of unsaturated oligo-esters in carbonium polymerization. p.580.
- Chalykh, A.E., Vasin, R.M. - Diffusion of solvents in polyisobutylene. p.586.
- Vasin, R.M., Chalykh, A.E., Korobko, V.I. - Moving boundary problem in diffusion in the polymer - solvent systems. p.593.
- Sokolov, L.B. - Basic principles in carrying out emulsion polycondensation. p.601.
- Polinkov, D.K. - Quantitative determination of small concentrations of water by means of ethyllithium. p.606.
- Tsvetkov, V.N., and others. - Photoelastic effect in swollen cyanoethyltrityl cellulose. p.609.
- Zapol'skii, O.B. - Photooxidation of polystyrene. p.615.
- Stankinskii, G.L., Godovskii, I.U.K. - Temperature dependence of the heat capacity of isotactic polypropylene. p.621.
- Vasilenko, I.U.I., and others. - Donor-acceptor interaction of halogens with polystyrene, polyvinyltoluene, and copolymers of styrene with  $\alpha$ -methylstyrene and  $\beta$ -vinyltoluene. p.626.
- Sokolov, L.B., Kudim, T.V. - Effect and role of HCl acceptors in emulsion polymerization in the presence of aromatic reagents. p.634.
- Malinskii, I.U.M., Guzev, V.V., Kargin, V.A. - Deformation of polypropylene fibers. p.638.
- Gezzy, I. - Dependence of the refraction index on the intermediate molecular weight in the polymer homologous series of some high molecular compounds. p.642.
- Pavlichenko, G.M., Gatovala, T.V., Kargin, V.A. - Effect of the chemical nature of the sorbate on the sorption capacity of crystalline polymers. p.647.
- Akhmedov, F.A., Keltunov, M.A., Kozlov, P.V. - Dependence of some mechanical characteristics of polyformaldehyde on the temperature and deformation rate. p.650.
- Lebedev, V.P., and others. - X-ray diffraction study of polyvinyl chloride. p.655.
- Ligon'kil, B.I., and others. - Spectral study of polymeric arylene quinones and some products of their transformation. p.661.
- Mitovskaya, E.B., Zamolskain, L.V. - Radical polymerization of polar monomers under the effect of the triethylaluminum - dicyclobutyl peroxycarbonate system. p.670.
- Frisman, E.V., Sibitova, M.A. - Optical properties of macromolecules of low degrees of polymerization. p.674.
- Andrianov, K.A., and others. - Synthesis and properties of polytetraaminedimethylsiloxanes. p.680.
- Andrianov, K.A., and others. - X-ray diffraction study of polytetraaminedimethylsiloxanes. p.688.
- Kamenskii, A.N., Fodman, N.M., Volitskii, S.S. - Electron microscope study of mutual diffusion in polymer systems. p.696.
- Korshin, V.V., Vinogradova, S.V., Siling, S.A. - Structure of polyarylates containing free hydroxyl groups in the chain. p.701.
- Pogodin, G.M., Zhamkolian, G.A., Matsalen, S.G. - Polymerization of 4-vinylbenzoic acid esters. p.707.
- Paushin, I.A.M., Omarov, O.I.U. - Preparation of polyphenylenes from phenols. p.710.
- Vishniakova, T.P., Golubeva, I.A., Paushkin, I.A.M. - Synthesis and study of polyferrocenyl nitrile. p.713.
- Slavrova, S.D., Margaritova, M.F., Medvedev, S.S. - Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and a cation-active emulsifier. p.717.
- Slavrova, S.D., Margaritova, M.F., Medvedev, S.S. - Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and an anion-active emulsifier. p.725.
- El' Said Ali Khazan, and others. - Synthesis and study of mixed polyacrylates based on 2,2-di-(4-hydroxy-3,5-dichlorophenyl) propane. p.720.
- Bogdanov, M.N., and others. - Synthesis and properties of polyarylates with carboxyl groups. p.734.
- Sorokin, M.F., Bakina, M.M. - Composition of tercopolymers and the copolymerization constants of butyl methacrylate, glycidyl methacrylate, and methacrylic acid. p.737.
- Lanovskaya, L.M., and others. - Polymerization of ethylene in the presence of various composite catalysts based on  $\text{TiCl}_3$ . p.741.
- Lanovskaya, L.M., and others. - Nature of the active centers in the processes of polymerization in the presence of composite catalysts based on  $\text{TiCl}_3$ . p.747.
- Gribukova, N.I.A., Kozlov, P.V., Iakubovich, S.V. - Adhesion and physicochemical properties of chlorinated polyvinyl chloride in interbundle plasticization. p.751.
- Konova, N.F., and others. - New method of synthesizing a copolymer of acrylonitrile with acrolein by the polymer analog conversion method. p.756.
- Nnmetkin, N.S., Vdovin, V.M., Zav'iatov, V.I. - Silylthylene elastomers. p.757.
- \*ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY].** Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.10, no.4, Apr. 1965.
- Table of contents translated:
- Beketov, A.R., Vlasov, V.G., Strekalovskii, V.N. - Phase transitions during the dissociation of  $\beta$  and  $\gamma$ -forms of uranium trioxide. p.737.
- Kharitonov, I.U.I.A., and others. - Infrared absorption spectra of zirconium (IV) and hafnium (IV) nitrate compounds. p.741.

- Bugaenko, L. T., Kham Guan'-lin' [Huang Guan'-lin'] - Radiolysis of iron ions in sulfuric acid solutions. p. 745
- Protsenko, P. I., Protsenko, A. V., Razumovskaya, O. N. - Internal friction of fused alkali metal nitrates. p. 751
- Komissarova, L. N., Shatekii, V. M., Moiseichenko, G. I. - Thermal stability of scandium sulfates and their solubility in sulfuric acid solutions at 25°C. p. 755
- Kolosova, I. F., Belavskaya, T. A. - Complex formation of beryllium with certain  $\alpha$ -hydroxy acids. p. 761
- Gigor'ev, A. I., Pogodilova, E. G., Novoselova, A. V. - Ammoniates of Be, Mg, Ca, Al, Sc, Y acetates. p. 772
- Tanana'ev, I. V., Chudinova, N. N. - Phosphates containing gallium and a univalent cation. p. 780
- Ryss, I. G., Idel's, S. L. - Kinetics of the hydrolysis of the compound formed by iron trifluoride with trimethylammonium oxide  $F_3B \cdot ON(CH_3)_3$ . p. 786
- Kharitonov, I. U. A., TSintsadze, G. V., Ponal-Koshits, M. A. - Approximate theoretical or (semipirical) analysis of vibrations of SCN coordination groups. p. 792
- Cherniaev, I. I., Babkov, A. V. - Properties of cyanide compounds of tetravalent platinum. p. 802
- Ginzburg, S. I., Chaisova, N. N. - Nature of water in rhodium sulfates. p. 815
- Ginzburg, S. I., Iuz'ko, M. I. - Catalytic properties of iridium compounds in aqueous solutions. p. 823
- Golovina, V. A., Kikh, L. A., Sokol, S. K. - Four-membered carbonate ring breaking in tricarbonatocobaltate. p. 829
- Golovina, V. A., Kikh, L. A., Sokol, S. K. - Carbonate ring breaking in a partially hydrolyzed tricarbonatocobaltate. p. 836
- Lobanov, N. I., Smirnova, V. A. - Complex compounds of rare-earth elements with 1,10-phenanthroline. p. 840
- Korobova, V. A., Prik, G. A. - Thermochemistry of the complex formation of some ions of rare-earth elements and yttrium with ethylenediaminetetraacetate. p. 844
- Kharitonov, I. U. A., Delchman, E. N. - Infrared absorption spectra of some indium (III) sulfates and oxalates. p. 853
- Barvinok, M. S., Bukhareva, I. S. - Infrared spectra of phenylenediamine complexes with transition metal salts. p. 861
- Babko, A. K., Lukachina, V. V., Nabivanets, B. I. - Tantalum oxalate complexes. p. 865
- Chufarova, I. G., Sharova, A. K. - Niobium and tantalum arsenite compounds. p. 877
- Milutina, M. I., Sharova, A. K., Titova, Z. M. - Niobium arsenate. p. 883
- Golub, A. M., Sych, A. M. - Electrolytic properties of  $TaCl_5$  in nonaqueous solvents. p. 889
- Ganetina, E. Sh., Nerevitskaya, N. I. - Telluric tungstic heteropoly acids in hydrochloric and sulfuric acid media. p. 894
- Barkovskii, V. F., Zaboeva, M. I. - Reduced phosphoroniobiummolybdenic complex. p. 900
- Margulis, E. V., Maletina, E. D., Baisekeeva, L. I. - Effect of the conditions of hydrolytic precipitation of zinc from  $ZnSO_4$  solutions on the composition of precipitates. p. 906
- Mironov, V. E., Kul'ba, F. I., Fedorov, V. A. - Chloride complexes of lead (II) and their reaction with alkali metal cations. p. 914
- Pechurava, N. I., Kovba, L. M., Ippolitova, E. A. - Reaction of ammonium hydroxide with uranyl nitrate and sulfate. p. 918
- Sinit'syna, S. M., Sinit'syn, N. M. - Effect of the nature of neutral ligands on certain properties of uranyl complex compounds. p. 923
- Kovalenko, K. N., Kazachenko, D. V. - Reaction of thorium nitrate with meta and para-hydroxybenzoic acid anions in aqueous solutions. p. 927
- Flitkov, I. U. A., Zhilomirskii, A. N., Kudra, O. K. - Transport numbers in binary systems formed by sulfuric acid with orthophosphoric and monochloroacetic acids. p. 934
- W. B. G., Drobot, D. V. - Reaction of cerium and thorium chlorides with sodium iodides in melts. p. 939
- I. G. - Solubility of ferromagnetic trichlorides in  $CCl_4$ .
- Systems  $ZrOCl_2$  -
- E. K. - System
- I. - Tantalum
- Zvirgintsev, O. E., and others - Extraction of sulfuric acid and uranyl sulfate with N-alkylamines. p. 981
- Petrov, A. V., Kairjakin, A. V., Maunova, K. V. - Mechanism of thorium extraction with tributyl phosphite. p. 986
- Shupatka, G. A., Sokolov, V. A. - Specific heat of palladium tetrammine chloride over a temperature range of 105 to 290°K. p. 992
- Slivtsov, N. I., Lebedeva, I. V., Filatova, I. M. - Synthesis of some RO derivatives of phosphazene-phosphoxide. p. 993
- Zvirgintsev, O. E., Tikhonov, V. P. - Reaction of thorium and rare-earth elements with tartaric acid when present together. p. 994
- Kabnova, O. L. - Conductance of  $TiCl_4$  aqueous solutions at 80°C. p. 998
- Belotskii, D. P., Galichanskii, V. G. -  $CdSb$  - Cu cross section of the ternary system  $Cd$  -  $Sb$  -  $Cu$ . p. 997
- Stepanov, A. V., Shvedov, V. P. - Electromigration method for studying hydrolysis of cerium (III) in nitric acid solutions. p. 1000
- Margulis, E. V., Kopylov, N. I., Gishanskina, N. S. - Formation of liquid phase during thermal decomposition of cerium sulfate in the system  $CdSO_4$  -  $2CdO$  -  $CdSO_4$ . p. 1002
- Ivanov-Emin, B. N., Rybina, V. I., Kornev, V. I. - Solubility of thallium hydroxide in caustic soda solutions. p. 1005
- Ukhe, E. A., Bukun, N. G. - Capacity method for studying fused mixtures of strontium and alkali metal chlorides. p. 1008
- Kusakina, N. P., Iakimets, E. M. - Preparation and properties of the sodium salt of  $Ce(III)$  ethylenediaminetetraacetate. p. 1010
- Kusakina, N. P., Iakimets, E. M. - Preparation and properties of hydrogen aquaethylenediaminetetraacetate(III). p. 1013
- Vol. 10, no. 5, May 1965.
- Table of contents translated:
- Proskurnikov, A. A., Krylov, E. I. - Preparation and properties of chromium hydride. p. 1017
- Seifer, G. B., Makarova, Z. A. - Thermal decomposition of silver, thallium, and lead ferrocyanides. p. 1022
- Pavlova, V. K., Iatsimirskii, K. B. - Kinetics of the reaction of iodide oxidation by potassium chlorate in the presence of rhodium. p. 1027
- Zvirgintsev, O. E., Shubochkina, E. F., Peshchevskii, B. I. - Cis effect in complex platinum (IV) compounds. p. 1033
- Kazakov, V. P., and others. - Kinetics of the reduction of complex gold (III) chlorides with oxalate in an aqueous solution. p. 1038
- Cherniaev, I. I., Korubina, L. S., Muravetskaya, G. S. - Cleavage and photochemical isomerization of asymmetric platinum (IV) cis-diamines. p. 1045
- Nikolaeva, N. M., Pitsyn, B. V., Gorbacheva, I. I. - Hydrolysis of potassium chloroplatinate. p. 1051
- Nikolaeva, N. M., Pitsyn, B. V., Pastukhova, E. D. - Hydrolysis of potassium chloroplatinate. p. 1058
- Spivakovskii, V. B., Makovskaya, G. V. - Complex formation of iron (III) with pyrophosphate. p. 1062
- Mironov, V. E., Rutkovskii, I. U. I. - Distribution of iron (III) between aqueous solutions of salts and ether. p. 1069
- Sannikov, I. U. I., Zolotarev, V. L., Krylov, E. I. - Study of iron (III) vanadates. p. 1075
- Mironov, V. E., Lastovkina, N. P. - Stability of polybromide ions. p. 1082
- Zaitsev, L. M., Bochkarev, G. S., Kozhonkova, V. N. - Polynuclear zirconium compounds. p. 1088
- Pospelova, L. A., Zaitseva, T. F. - Trivalent cerium acetate compounds. p. 1097
- Krizaveva, E. M., Luk'ianov, V. F. - Reaction of zirconium with certain complexons. p. 1107
- Berul', S. I., Voskresenskaya, N. K. - Reaction of potassium metaphosphate with cerium, neodymium, and samarium oxides. p. 1110
- Shklover, L. P., and others. - Heavy lanthanide formates. p. 1121
- Zhivopistsev, V. P., Kalmykova, L. S. - Complex formation in the scandium-diphenylpyrimethanediode system. p. 1128
- Elatova, N. M., and others. - Complex formation of  $\beta$ -hydroxyethyliminodiacetic acid with rare-earth elements. p. 1131
- Kharitonov, I. U. A., Tereshina, G. S. - Infrared absorption spectra of certain ethylenediaminetetraacetate compounds. p. 1138
- Artemenko, M. V., Silusarenko, K. F. - Complex formation of copper salts with 2-hydroxyalkylbenzothiazoles and 2-methylbenzothiazole. p. 1145
- Ablov, A. V., Gerbeleu, N. V. - Derivatives of the reaction of salicylaldehyde thiosemicarbazone with nickel, copper, and zinc. p. 1155
- Rudenko, N. P., Kremenskaya, I. N., Avilina, V. N. - Complex formation of thorium with 8-hydroxyquinoloxime and caproic acid. p. 1180
- Toropova, V. F., Saikina, M. K. - Complex compounds of alkylmercury ions. p. 1186
- Kul'ba, F. I., Makashev, I. U. A. - Reaction of trivalent thallium with nitrotriacetic acid. p. 1172
- Shkaravskii, I. U. F. - Preparation and alkalimetric titration of phosphorothiomolybdenic and phosphoromolybdenic heteropoly acids. p. 1178
- Shvarts, E., Meisler, A., Iovin'ski, A. - Complex formation in solutions of tartaric and maleic acid mixtures. p. 1183
- Ablov, A. V., Chaputina, L. F., Belchuk, N. I. - Infrared absorption spectra of dicyclicsemicarbazoxime metallic derivatives. p. 1188
- Kharitonov, I. U. A., TSintsadze, G. V. - Approximate analysis of the vibrations of coordinated  $SeCN$ -groups. p. 1191
- Shel'mova, L. E., Abrikosov, N. Kh., Zhdanova, V. V. - The system germanium - tellurium in the region of a  $GeTe$  compound. p. 1200
- Abdeeva, M. I., Rafikov, T. K. - Compounds of copper and iron with antimony. p. 1206
- Smirnov, M. V., Kudiakov, V. I. A. - Thermodynamics of the reaction of zirconium di- and tetrachloride with alkali metal chlorides in melts. p. 1211
- Protsenko, P. I., Boryshakova, L. A. - Kinetics of the thermal decomposition of alkali metal nitrates. p. 1215
- Protsenko, P. I., Birykova, N. A. - Thermal analysis of binary nitrate systems. p. 1220
- Kligintsev, A. N., and others. - Ternary aqueous systems consisting of potassium, rubidium, and cesium chlorides at 25°C. p. 1225
- Bellaev, I. N., Le T'huik, - System  $CeCl_3$  -  $CeCl$  -  $H_2O$  at 25°C. p. 1229
- Karov, Z. G., Perol'man, F. M., Rogozhina, G. N. - System  $NaNO_3$  -  $Na_2WO_4$  -  $H_2O$  at 25°C. p. 1233
- Shakina, I. V., Plushchey, V. E. - System  $Na_2Cr_2O_7$  -  $Cs_2Cr_2O_7$  -  $H_2O$  at 20 and 50°C. p. 1237
- Margulis, E. V., and others. - Study of zinc hydroxysulfate precipitates. p. 1241
- Sinegribova, O. A., Iagodin, G. A. - Mechanism of the extraction of thiocyanic acid and zirconium and hafnium thiocyanates into diisobutyl methylphosphinate. p. 1250
- Kim, G. V. - Physicochemical properties of  $Cu_2Se$  and  $Cu_2Te$ . p. 1254
- Il'iasov, I. I., Bergmann, A. G., Churskii, N. I. - System  $Cs$ ,  $Cd$ ,  $Pb$  //  $Cl$ . p. 1256
- Fedorov, I. A., Balakayev, T. A. - Scandium oxalate-carbonate compounds. p. 1258
- Chikanov, N. D., Palkin, A. P. - System  $TaCl_5$  -  $NbCl_5$  -  $NaCl$  -  $KCl$ . p. 1259
- Ietum, S. M., Gol'd, P. V., Serubrennikov, N. N. - Thermodynamic characteristics of manganese silicides. p. 1263
- Kolarov, N., Prolnova, R., Cholakov, L. - Contamination of strontium sulfate during various rates of crystallization from supersaturated solutions. p. 1265
- Babaeva, A. V., Rudyi, R. I. - Rate of the reaction of  $P(III)$  trans-diammine nitroboronate with potassium nitrate. p. 1266
- Babaeva, A. V., Baranovskii, I. B., Afanas'eva, G. G. - Trivalent nickel ethylenediamine complexes. p. 1268
- Samuseva, R. G., Plushchey, V. E. - Systems  $CuF-KF$  and  $CuF-RbF$ . p. 1270
- Malsko, I. V., Shaglaul'tanova, G. A., Seilantov, I. U. E. - Nitrite ion exchange in potassium tetranitropentate. p. 1272
- Torshina, V. V., Smolina, G. N., Dubychin, E. A. - Mass spectrometric study of the vaporization of lanthanum hexafluoride. p. 1275
- Kazakov, V. P. - Kinetics of the hydrolysis of  $AuCl_3$  in an acid medium. p. 1276
- Strelets, N. L., and others. - Reaction of silver nitrate with thiourea and allylthiourea in methanol solutions. p. 1278
- Manolov, K. R. - Cadmium and zinc thiocyanate pentates. p. 1280
- Bergman, A. G., Misler, Zh. V. - System consisting of potassium cadmium and lead chlorides. p. 1282
- Ionov, S. P., Poray-Koshits, M. A. - Magnetic susceptibility of sulfur dioxide. p. 1285
- Levin, A. A. - "Nature of chemical bond" by E. M. Shustorovich. p. 1288
- Blank, A. B., Geit, Rudolf A. - "Laboratory work in the chemistry of complex compounds" by M. S. Novakovskii. p. 1289
- Iatsimirskii, K. B. - Eighth International Conference on Coordination Chemistry. p. 1291
- Vol. 10, no. 6, June 1965.
- Table of contents translated:
- Niselson, L. A., and others. - Density, viscosity, and surface tension of silicon tetrachloride and trichlorosilane. p. 1297
- Chudinova, L. I. - Zinc perchlorate. p. 1300
- Suvorov, A. V., Dobrotin, R. B., Gadzhiev, S. M. - Equilibrium of dissociation in sulfuric acid vapors. p. 1307
- Grizik, A. A., Plushchey, V. E., Kamenskaya, A. N. - Rubidium ditrizonate. p. 1312
- Vasserman, I. M., Silant'ova, N. I. - Preparation of dicalcium phosphate of stoichiometric composition. p. 1320

- Pol'shtein, L. M., Motiagina, G. G. - Complex compound of divalent platinum with glycylglycine. p. 1328.
- Arshavskii, I. U. S., Kukushkin, I. U. N. - Infrared spectra of tetraivalent platinum complex compounds containing chloramines. p. 1332.
- Arshavskii, I. U. S., Kukushkin, I. U. N. - Infrared spectra of tetraivalent platinum complex compounds containing chloramines. p. 1337.
- Asman, A. D., Kutiukov, G. G., Sokol'skii, D. V. - Reactivity of palladium complex compounds Pd(II) in aqueous solutions. p. 1338.
- Anastuk, V. D., Reiter, L. G. - Complex compounds of cobalt with glutamic acid. p. 1344.
- blor, A. V., Proskina, N. N., Chapurina, L. F. - Infrared absorption spectra of the products of the addition of aromatic amines to cobalt, zinc, and cadmium halides. p. 1350.
- blor, A. V., Proskina, N. N., Shafitskii, V. N. - Infrared absorption spectra of trans-dihydroxyimines of trivalent cobalt with sulfanilamides. p. 1355.
- ipovskii, A. A., Kuzina, M. G. - Infrared absorption spectra and structure of sulfate, bisulfate, and uranyl bisulfate of triethyl ammonium. p. 1360.
- Ostromina, N. A. - Constants of acidic dissociation of rare-earth gluconates. p. 1369.
- el'kova, M. M., Alekseenko, L. A. - Perchlorates of rare earth elements. p. 1374.
- Iepunov, A. V., Shvedov, V. P., Rozhnov, A. P. - Complex compounds of trivalent cerium and trivalent europium with tartaric acid. p. 1379.
- itonov, V. E., Kul'ba, F. I. A., Fedorov, V. A. - Interaction of lead (II) chloride complexes with alkaline metal salts. p. 1388.
- ul'ba, F. I. A., Mironov, V. E., Mriukhina, G. - Complex thiocyanates of univalent thallium. p. 1393.
- apozhnikov, I. U. P., Markovskii, L. I. A. - Composition and certain properties of mercury selenite. p. 1399.
- irokova, P. V., Lileev, I. S. - Synthesis of sodium gallosilicates at sintering temperatures. p. 1402.
- rigor'ev, A. I., Mitrofanova, N. I., Martynenko, L. I. - Study of certain nitrylchlorides by infrared spectroscopy. p. 1408.
- org, L. G., Prilylov, K. P. - Determination of the thermal effects of  $MgSO_4 \cdot 7H_2O$  dehydration. p. 1419.
- assonovskaya, I. S., Novikova, A. S. - Dehydration of crystal hydrates of disubstituted magnesium phosphate. p. 1423.
- echkovskii, V. V., Sofronova, A. V. - Thermochemical transformations of barium and calcium iodides in the inert oxidizing and reducing media. p. 1427.
- echkovskii, V. V., Vorob'ov, N. I. - Reactions of vanadium chlorides with hydrogen, oxygen and water vapors. p. 1433.
- Al'tseva, L. L., and others. - Thermal properties of double sodium sulfates of certain rare-earth elements of the cerium subgroup. p. 1441.
- adeev, V. N., Fedorov, P. I. - Conductance of melts in the In-InCl<sub>3</sub> system. p. 1440.
- mbaeva, E. P., Bukhalova, G. A. - System of sodium, potassium, and scandium fluorides. p. 1455.
- Agub'yan, E. S., Bukhalova, G. A. - Reciprocal system, consisting of sodium, potassium, and barium chlorides and fluorides. p. 1459.
- fat'isev, V. T., Bukhalova, G. A. - Reciprocal system consisting of fluorides, chlorides, and hexafluoroaluminates of sodium and potassium. p. 1464.
- Mushtchev, V. E., Kuz'kova, L. V. - System Li<sup>+</sup>, Na<sup>+</sup> || NO<sub>3</sub><sup>-</sup>, CO<sub>3</sub><sup>2-</sup> · H<sub>2</sub>O at 25°C. p. 1471.
- rotsenko, P. I., Brykova, N. A., Ivanova, E. M. - System TiNO<sub>3</sub> - CsNO<sub>3</sub> · H<sub>2</sub>O at 25°C. p. 1477.
- fargulis, E. V., Maledina, E. D., Boisekova, L. I. - Variations of the preparative analytical method for determining the composition of the bottom phase in water salt systems. p. 1481.
- ukhacheva, L. V. - Composition of compounds formed during the extraction of cobalt (II) by naphthoic acids. p. 1486.
- idzhiev, A. Z., Pomirnov, I. S. - Temperature dependence of infrared absorption spectra and characteristics of ion-molecular interaction in acetone. p. 1490.
- lavita, M. K., M. K., Saidaliev, T., Tashpulatov, I. U. T. - Infrared absorption spectra of complex compounds of cadmium halides with aminobenzoic acid isomers. p. 1493.
- Hogenov, G. G., Bruk, T. I., Nurminkskii, N. N. - System Li, Ca<sup>+</sup> || CH<sub>3</sub>COO<sup>-</sup>, NO<sub>3</sub><sup>-</sup>. p. 1500.
- olotobnova, N. A. - Selenotungstovanadic acid. p. 1488.
- Jazarov, A. S., Sergievskii, V. V., Gromov, B. V. - Interaction of U(SO<sub>4</sub>)<sub>2</sub> · 4H<sub>2</sub>O with sulfate and bisulfate of tri-n-octylamine. p. 1500.
- Zemskov, S. V., Pitsyn, B. V. - Oxidation of cis- and trans-isomers of bivalent platinum by sodium vanadate. p. 1502.
- Shchedrina, A. P., Ozerova, M. I. - System FeCl<sub>2</sub> - ZnCl<sub>2</sub> - H<sub>2</sub>O at 15°C. p. 1504.
- Solontsov, V. V., Kalinnikov, V. T., Volkov, M. N. - Magnetochemistry of vanadyl salts with dicarboxylic acids. p. 1500.
- Tasanaev, I. V., Kuvshinova, T. B. - Interaction of GaS with gaseous ammonia at high temperatures. p. 1507.
- Khai'itov, I. U. A., Teyeshin, G. S. - Infrared absorption spectra of sixteen-hydrate ethylenediamine-tetraacetates of calcium and strontium. p. 1508.
- Sheftal', N. N., Golubnaya, K. M. - Third Conference and its transactions on the Problems of Single Crystal growing. p. 1510.

\*ZHURNAL OBSHCHIEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 35, no. 5, May 1965.

Table of contents translated.

Palobekov, A. G., Bergman, A. G. - Melting diagram of the ternary system urea -  $\alpha$ -naphthol -  $\beta$ -naphthol. p. 765.

Stradyn', I. A., Iurashek, A., Reikhsman, G. - Polarographic behavior of 5-substituted furfuryl thiocyanates. p. 768.

Khmel'nik, R. A., and others. - Mass spectra and structure of organic compounds. Part 11: Mass spectra of 1,3-enyne germanium hydrocarbons. p. 773.

Millaresi, E. E., Izmail'skii, V. A. - Theory of the origin of the absorption spectra of 2,4-dinitroaniline and 2,4-dinitrodiphenylamine. Experimental confirmation of the presence of quasiautonomous chromophore systems. p. 776.

Levina, R. I. A., and others. - Synthesis of hydrocarbons. Part 81: Cyclopropanes with quaternary carbon atoms in the ring and in a side chain. p. 785.

Temnikova, T. I., Ershov, B. A., Arditi, A. I. - Interaction of metallic derivatives of compounds containing a labile hydrogen atom with  $\alpha$ -oxyhalides. Part 5: Regarding the structure of the products of interaction of Na-acetoacetic ester with 1-bromo-3-methyl-2,3-epoxybutane, 1-bromo-2,3-epoxybutane, 3-bromo-1,2-epoxybutane, and epibromohydrin. p. 788.

Temnikova, T. I., Ershov, B. A. - Interaction of metallic derivatives of compounds containing a labile hydrogen atom with  $\alpha$ -oxyhalides. Part 6: Reaction of Na-acetoacetic ester with chloroprene oxide in ethanol. p. 796.

Temnikova, T. I., Kovalevskaya, R. N. - Interaction of metallic derivatives of compounds having a labile hydrogen atom with  $\alpha$ -oxyhalides. Part 7: Reaction of diphenylacetonitrile with 1-bromo-2,3-epoxy-3-methylbutane and epibromohydrin. p. 798.

Perveev, F. I. A., Bogatkin, R. A. - Reaction of organosilicon  $\alpha$ -oxides of the acetylene series with primary and secondary aliphatic amines. p. 801.

Shostakovskii, M. F., Atavin, A. S., Mirokova, A. N. - Synthesis and transformations of polyhydric alcohols. Part 1: Synthesis and transformations of some p-toluenesulfonic esters of polyhydric alcohols. p. 804.

Shostakovskii, M. F., Atavin, A. S., Mirokova, A. N. - Synthesis and transformations of polyhydric alcohols. Part 2: Synthesis of trimethylolthane thiocyanates, pentaerythritol and its derivatives. p. 807.

Shostakovskii, M. F., Atavin, A. S., Egorov, N. F. - Synthesis of primary and secondary  $\delta$ -silicon-containing acetylenic alcohols. p. 808.

Shikhiev, I. A., Vatanikha, A. A., Guseinov, B. M. - Synthesis and transformations of oxygen-containing organic and organosilicon compounds. Part 24: Synthesis and transformations of acetylenic formals. p. 812.

Zefirov, N. S., Davydova, A. F., Iur'ev, I. U. K. - 3,6-Endoxocyclohexanes and -cyclohexenes. Part 21: Stereochemistry of bromination of 3,6-endoxodihydrophthalic acid and its dimethyl ester. p. 814.

Zefirov, N. S., Prikazchikova, L. P., Iur'ev, I. U. K. - 3,6-Endoxocyclohexanes and -cyclohexenes. Part 22: Stereochemistry of oxymercuration of dimethyl ester of 1-methoxy-3,6-endoxotetrahydrophthalic acid. p. 822.

Zhdanov, I. U. A., Dorofeev, G. N., Patchkov, V. A. - Perchloric acid and its compounds as catalysts in organic synthesis. Part 23: Salts of 2-alkyl[3,4;5,6]bis(indeno)pyrrolum. p. 827.

Dzhidzhelava, A. B., and others. - Study of organic electrets. Part 1: Hydrazides of aromatic sulfonic acids. p. 831.

Svetkin, I. U. V. - Reaction of ketene with nitrogen-containing bases. Part 17: Chloroacetylation of aromatic diamines and secondary amines. p. 834.

Svetkin, I. U. V., Minibayeva, A. N. - Reaction of ketene with nitrogen-containing bases. Part 18: Chloroacetylation of acid amides and imides. p. 836.

Svetkin, I. U. V. - Reaction of ketene with nitrogen-containing bases. Part 19: Reaction of chloro (acetyl pyridinium) anilides. p. 839.

Svetkin, I. U. V., Andreeva, L. N. - Reaction of ketene with nitrogen-containing bases. Part 20: Polarography of chloroacetamides. p. 839.

Zemlinskii, N. N., and others. - Synthesis of plumbogermanates of the (RCOOPbAr<sub>2</sub>)<sub>2</sub>O type. p. 843.

Sarankina, S. A., Manul'vin, Z. M. - Synthesis of new composite organogermanium compounds of the (C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>Ge(C<sub>6</sub>H<sub>4</sub>X)<sub>2</sub> type. p. 845.

Iakubovich, A. A., Zaitseva, E. L., Bazov, V. P. - Synthesis of fluorinated aliphatic aromatic diketones. p. 848.

Ginsburg, V. A., and others. - Structure of adducts of trifluoromethoxy methane with unsaturated compounds. p. 851.

Zil'berman, E. N., and others. - Synthesis of  $\omega$ -aminohydroxyamides. p. 857.

Mitin, I. U. V., Viasov, G. P. - Synthesis of a peptide bond by means of chlorimides. p. 861.

Kopliug, V. A., and others. - Complexes of aromatic hydrocarbons with metal halides and hydrogen halides. Part 2: Proton magnetic resonance spectra of complexes of methylbenzenes with aluminum bromide and hydrogen bromide. p. 864.

Shelman, B. M., Kost, A. N., Denisova, L. I. A. - Kinetics of the hydrolytic opening of the lactone ring of 6-alkyl-3,4-dihydrocoumarins. p. 870.

Berdinskii, I. S., Kostareva, N. A. - Substituted hydrazides of hydroxycarboxylic acids. Part 22: Halochromism of arylhydrazides of diacylglycolic acids. p. 876.

Kuznetsov, V. I., Basargin, N. N. - Synthesis of halo-substituted chromotropic acids and their azo compounds. p. 879.

Turkovich, N. M., Minka, A. F. - Synthesis of thiazolidone derivatives of biological interest. Part 22: Infrared absorption spectra of pseudohydroxyantoin and 2,4-thiazolidinedione. p. 884.

Rudolf, T. A., and others. - Coumarans, their synthesis and spectral studies. Part 2. p. 888.

Preobrazhenskaya, M. N., Suvarov, N. N. - 1-Glycosylindoles. Part 3: Action of nucleophilic agents on  $\alpha$ -2,3,4,6-tetra-O-benzylglucopyranosyl bromide. p. 888.

Preobrazhenskaya, M. N., Suvarov, N. N. - Glycosylindoles. Part 4: 1-(D- $\beta$ -tetraacetylglucopyranosyl) indole. p. 893.

Kochetkov, N. K., Kudrashov, L. I., Chlenov, M. A. - Radiation chemistry of carbohydrates. Part 3: Effect of  $\gamma$ -irradiation on aqueous solutions of  $\alpha$ -methyl-D-glycosides. p. 897.

Pankratova, V. N., Latheva, V. N., Razuvaev, G. A. - Oxidation of diphenylcadmium in organic solvents. p. 900.

Ol'dekop, I. U. A., Maier, N. A., Pashenichnyi, V. N. - Acyl peroxides. Part 8: Reactions of phenyl radicals with mercury (II) acetate. p. 904.

Zhinkin, D. I. A., Mal'nova, G. M., Gorislavskaya, Zh. V. - Simultaneous ammonolysis of triorganochlorosilanes with different radicals at the silicon atom. p. 907.

Zhinkin, D. I. A., and others. - Simultaneous hydrolytic condensation of trimethyl-, triethylchlorosilanes, and phenyltrichlorosilane. p. 909.

Gol'din, G. S., Ivanova, N. L. - Polyhydrazines of allylhydrazines. p. 911.

Kuznetsova, V. P., Smetankina, N. P. - Synthesis and study of functional organosilicon compounds with hydrocarbon bridges between silicon atoms. Part 6: Synthesis and dehydration of organosilicon tertiary acetylenic alcohols with a p-phenylene group between silicon atoms. p. 913.

Bogdanov, R. V., Murin, A. N. - Conditions of the recovery of radiophosphine from mixed KCl-CaCl<sub>2</sub> crystals irradiated by high energy protons. p. 916.

Alekankin, M. M., Samarai, L. I., Derkach, G. I. - Study of the thermal decomposition of ethyl ester of trichlorophosphazocarbonic acid by means of C<sup>18</sup>. p. 923.

Mikhailov, B. M., Vasil'ev, L. S. - Organoboron compounds. Part 141: Mutual transformations of trialkylboranes, borates, and boronic acid esters catalyzed by alkylaluminum. p. 925.

Pesin, V. G., Vitenberg, I. G. - Reaction of aromatic and heterocyclic thiocyanate derivative with diethyl and triethyl phosphite. p. 930.

Stanko, V. I., Struchikov, I. U. T. - Barane structure. p. 930.

Zavgorodnii, V. S., Petrov, A. A. - Reaction of sodium trialkyltin with bromoacetylene. p. 931.

Derkach, G. I., Narbut, A. V. - Derivatives of phosphadiazacyclobutane. p. 932.

Bedrikov, I. V., Smolian, Z. S., Korchagina, G. A. - Role of a solvent in the reactions of halogenation of olefins with a quaternary carbon atom at a double bond. p. 933.

Burichenko, G. S., Baikov, I. U. I., Lutsenko, I. F. - Properties of O-(trialkylsilyl)-O-methyl ketene acetals. Thermal decomposition and reaction with ketene. p. 933.

Avakian, S. N. - Complexes of chromium and iron chlorides with 1-dimethylamino-5-methyl-2-hexyn-5-ol. p. 934.

Vol. 35, no. 6, June 1965.

Table of contents translated. Palobekov, A. G. - Melting diagram of the ternary system urea - hydroquinone -  $\alpha$ -naphthol. p. 939.

- Palobekov, A. G., Bergman, A. G. - Melting diagram of the ternary system urea - phenol -  $\alpha$ -naphthol p 942
- Palobekov, A. G., Bergman, A. G. - Melting diagram of the ternary system urea - phenol -  $\alpha$ -naphthol p 942
- Palobekov, A. G., Bergman, A. G. - Urea distribution between hydroquinone and  $\beta$ -naphthol in the ternary system urea - hydroquinone -  $\beta$ -naphthol p 945
- Vitman, E. O., Boshovkin, I. M. - Physicochemical study of the reaction of acclamide with alkali metal nitrates p 949
- Antonovskii, V. L., Frolova, Z. S. - Polarographic study of cyclohexanone peroxides p 954
- Korner, V. A., Bal'ian, Kh. V., Perepelkin, O. V. - Synthesis and properties of allene hydrocarbon derivatives Part 3 Synthesis and properties of alkyl-, alkenyl-, and alkenylallene alcohols p 957
- Malinovskii, M. S., Khmel', M. P. - Unsaturated  $\alpha$ -oxides Part 1 1-Phenyl-4,5-epoxy-1-pentyne p 960
- Dorofenko, G. N., Zhungietu, G. I. - Perchloric acid and its compounds as catalysts in organic synthesis Part 22 Synthesis of pyrylium salts from compounds with a tertiary carbon atom p 963
- Krugliak, Iu. L., Mar'ynov, I. V. - Halo- $\alpha$ -nitroacetoxylic acids Part 9 Derivatives of fluoronitroacetic acid p 967
- Iagupol'skii, L. M., Belinskaya, R. V. - Isomerization of 1,1,3,3-tetrahalophthalanes p 969
- Shner, V. F. - Infrared spectra of compounds of the 2-tetralone series p 977
- Kalabina, A. V., and others - Substituted vinyl and ethyl aryl ethers Part 1 Reaction of phenyl sulfenyl chloride with vinyl aryl ethers p 979
- Krivtsov, V. F., Stepanov, V. M. - 3-Methyl-thiohydantoin of amino acids Part 3 Synthesis and properties of 3-methyl-2-thiohydantoin of basic amino acids, threonine, cysteine, and S-carboxymethylcysteine p 982
- Gil'mi Kamal, Gaillov, Iu. F. - Synthesis and properties of some new quaternary arsonium compounds p 987
- Bogolubov, G. M., Petrov, A. A. - Interaction between Iozich's reagent and phosphorus thiohalides p 988
- Shevchenko, V. I., Tkach, V. P., Kirsanov, A. V. - Phenylidialloxyphosphazone sulfonyl aryls p 992
- Zhuravleva, L. P., Butova, G. L., Kirsanov, A. V. - Palmitates and stearates of trimethylphosphine oxide p 998
- Griniuk, M. A., Kirsanov, A. V., Zhuravleva, L. P. - Derivatives of phosphamic acid p 998
- Derkach, G. I., Kolotilo, M. V. - Derivatives of tetraazadiphosphacyclooctatetraene, p 1001
- Derkach, G. I., Narbut, A. V. - Arylamides of phosphazocarboxylic acids p 1003
- Derkach, G. I., Gubinskaya, E. S. - N-phosphorylated derivatives of cyanofurmic and oxalic acids p 1009
- Derkach, G. I., Gubinskaya, E. S., Shokol, V. A. - Derivatives of acylamidoaryloxyphosphonic acids p 1014
- Zhmurova, I. N., Drach, B. S., Kirsanov, A. V. - Hydrolysis and acidolysis of trichlorophosphazone alkyls and trichlorophosphazone- $\alpha$ -carbonyl alkyl chlorides p 1018
- Shtepanek, A. S., Shevchenko, V. I., Kirsanov, A. V. - N-carbalkoxyamidophenylphosphonic acids p 1023
- Popova, L. M., Kirpichnikov, P. A. - Synthesis and properties of alkyl aryl esters of pyrocatechol-phosphoric acid p 1026
- Gruzdov, V. G., Ivin, S. Z., Karpavov, K. V. - Complex compounds formed by alkyl- and polyalkylchlorophosphines with aluminum chloride. Part 7: Reduction of complex compounds by metals and metal hydrides p 1027
- Zemlanskii, N. N., and others - Synthesis of tin oxanes  $\text{RCOO}[\text{Sn}(\text{C}_4\text{H}_9)_2\text{O}]_n\text{OCR}$  p 1029
- Stadnichuk, M. D., Shakhovskoi, B. G., Petrov, A. A. - Unsaturated organosilicon compounds Part 16: Addition of alkyl lithium to 1-trimethylsilyl-1,3-hexadiene p 1031
- Zhdanov, A. A., Kashutina, E. A., Andrianov, K. A. - Synthesis and study of the properties of polydimethylsiloxanes containing carbonyl groups in organic end radicals p 1037
- Andrianov, K. A., Izmailov, B. A. - Reaction of higher alkylchlorosilanes with ethyl alcohol p 1041
- Golubov, S. A., Belinskaya, Z. V., Pomerantseva, M. G. - Cleavage of siloxanes by silicon tetrachloride p 1044
- Belinskaya, Z. V., Pomerantseva, M. G., Golubov, S. A. - Reaction of silane hydrides with allyl chloride p 1048
- Zhinkin, D. I. A., Malynova, G. N., Gorislavskaya, Zh. V. - Formation of a silazane bond in the amonolysis of triorganochlorosilanes p 1052
- Zhinkin, D. I. A., Malynova, G. N., Polonskaya, A. P. - Simultaneous hydrolytic condensation of trimethyl- and  $\epsilon$ -ethylchlorosilane in an acid medium p 1054

- Lakeboylech, A. I. A., Molsarev, G. V. - Halogenation of aromatic silanes Part 16: Certain features of the reaction of phenylchlorosilane with iodine chlorides p 1056
- Masil, L. K., Aleksandrov, B. V. - Silicon-containing amides Part 1: Preparation of methylidialkyl (ethylacetamid) methylsilanes p 1058
- Kozlova, N. V., Klebanik, A. L., Kagan, E. G. - Synthesis and study of the basicity of ethoxysilanes and siloxanes containing 3,3,3-trifluoropropyl groups at the silicon atom p 1060
- Shchegoleva, T. A., Sneludakov, V. D., Mikhailov, B. M. - Organoboron compounds. Part 15: Kinetics of the hydrolysis of boron cation complexes p 1060
- Mikhailov, B. M., Vasil'ev, L. S. - Organoboron compounds Part 15: Mutual exchange of alkoxy- and alkymercapto groups in organoboron compounds p 1073
- Shchegoleva, T. A., and others - Organoboron compounds Part 15: Hydroboration of dienes by n-butylmercaptoborane p 1078
- IUzhkova, G. A., Lapkin, I. I. - Possible quantitative conformation of radicals linked to the central atom of the element Part 4: Organoboron compounds p 1083
- Kacheishvili, G. E., Pirtskhalava, N. I., Dzishoshvili, G. D. - Esters of dicyclohexylboronic acid p 1086
- Iagupol'skii, L. M., Flukov, Iu. A. - Vinylene homolog of benzotrifluoride Part 3: Polarization of a double bond in the derivatives of 1-phenyl-2-trifluoromethylstyrene p 1088
- Baukov, Iu. I., Belavin, I. Iu., Lutsenko, I. F. - Study of O- and C-organometallic isomers Part 1: Reaction of dialkylhalogermanes and dialkylchlorostannanes with esters of mercury bisacetic acid p 1092
- Razuvayev, G. A., Stepanov, L. P., Mitrofanova, E. V. - Reactions of aluminum trisopropylate with peroxides and anhydrides p 1095
- Poraj-Koshits, B. A., Kriukova, L. M., Kvitko, I. A. - Amino esters. Part 4: Intramolecular N-alkylation of amino esters, derivatives of aryl-acetic acids p 1098
- Terent'ev, A. P., and others - Chelate compounds with optically active ligands Part 4: Copper and nickel chelates with hydroxy-naphthalimine and hydroxyketimines p 1104
- Koptug, V. A., and others - Complexes of aromatic hydrocarbons with metal halides and hydrogen halides Part 3: Infrared absorption spectra of complexes formed by methylbenzene with aluminum bromide and hydrogen bromide p 1111
- In memory of Professor A. M. Gakhov p 1117
- Iagupol'skii, L. M., Panteleimonov, A. G. - Trifluoromethylmethylsulfonoxide p 1120
- Saratov, I. E., Gubanov, L. N., Reikhsfel'd, V. O. - Self-association of aromatic monoorganosilanes p 1120
- Shostakovskii, M. F., Vlasov, V. M., Mirskov, R. G. - Synthesis of organotin acetylenic ethers p 1121
- Shchukovskaya, L. L., Paichnik, R. I. - Order of addition of trialkylsilanes to propargyl alcohol p 1122
- Botvinnik, M. M., Kononova, I. M. - Reactions of N-imidazolacyl derivatives of histidine with some derivatives p 1123
- Kazantsev, A. V., Zakharkin, L. I. - Metalation of neocarboranes (neocarboranes) by alkyl metal amides in liquid ammonia p 1123
- Stepanov, B. I., Boknov, A. L. - Conjugation capacity of phosphonyl groups p 1124

## e MATHEMATICS

- \*AKADEMIA NAUK SSSR. Izvestia. Seriya matematicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Series]. Moscow, vol. 29, no. 3, 1965.
- Table of contents translated.
- Vinogradov, I. M. - Estimation of trigonometric sums p 493
- Berdyshev, V. I. - Approximation of periodic functions by Fourier sums in the mean p 505
- Berkovich, I. A. G. - Existence of subgroups in a finite insoluble group. Part 2 p 527
- Shovrin, L. N. - Some finiteness conditions in the theory of semigroups p 553
- Simonenko, I. B. - New general method for studying linear operator equations of the type of singular equations. Part 1 p 567
- Timan, M. F. - Best approximation of a function and linear summation methods for Fourier series p 587
- Starostin, A. I. - Groups with decomposable centralizers p 605
- Trigub, R. M. - Constructional characteristics of certain classes of functions p 615
- Balashov, L. A. - Gap series p 631
- Fedoruk, M. V. - Topology of Stokes lines in equations of the second order p 643

- Timin, A. N. - Classification of vector fiberings over an arbitrary algebraic curve p 657
- Naimark, M. A. - Structure of unitary representations of locally bicompact groups in a Hilbert space p 689
- Lapin, A. I. - Rational points on an elliptic curve p 701
- Muchnik, A. A. - Reducibility of decidability problems of denumerable sets to separability problems p 717
- AKADEMIA NAUK SSSR. Matematicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute. Transactions]. Moscow, vol. 76, 1965. Dvumernye mnogobraznaya ograničennoe krivizny [Two-dimensional manifolds of bounded curvature ...] no. 2.
- Table of contents translated.
- Burago, Iu. D. - Curves in converging spaces p 5
- Borisov, Iu. F. - Half-neighborhood and variations in the length of a curve on a surface p 26
- Aleksandrov, A. D., Burago, Iu. D. - Quasi-geodesics p 49
- Zalgaller, V. A. - Curves on a surface near a point type dot p 64
- Aleksandrov, A. D., Strelnitsov, V. V. - An isoperimetric problem and estimating the length of a curve on a surface p 67
- Burago, Iu. D., Zalgaller, V. A. - An isoperimetric problem involving an area of bounded width on a surface p 81
- Burago, Iu. D., Stratilatova, M. B. - A circle on a surface p 88
- Stratilatova, M. B. - Some local on a surface p 115
- Burago, Iu. D. - Proportional approximation of metrics p 120
- Bakelman, I. A. - Chebyshev nets in manifolds of bounded curvature p 124
- Burago, Iu. D. - Closure of a class of manifolds of bounded curvature p 141

- AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Institut matematiki, Vychislitel'nye sistemy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Mathematics. Computer Systems]. Novosibirsk, no. 16, 1965.

- Table of contents translated.
- Nakhodkin, N. G. - Some problems of the physics of thin films p 3
- Kuznetsov, F. A., Smirnova, T. P. - Thermodynamic characteristics of thin films p 39
- Petrov, V. I. - Possible mechanism for crystallizing thin layers p 47
- Maronchuk, Iu. E., Krivorotov, E. A., Sherstakov, A. P. - Processes of the formation of single-crystal films of cadmium and mercury telluride p 67
- Maronchuk, I. E., Sidorov, Iu. G. - Saturation in growing germanium layers by an open iodide method p 83
- Gasnov, L. S. - Distribution of potential and properties of the space charge region of the enriched surfaces of semiconductors p 90
- Gasnov, L. S. - Distribution of potential and properties of the space charge region of unidirectional inversion surfaces of semiconductors p 107
- Gasnov, L. S., and others. - Thin-film cadmium sulfide diodes p 123
- Karasik, E. A., Serlapina, N. V. - Electric properties of epitaxial p-n junctions p 133

- AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Seminar algebr i logiki. Algebra i logika [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Seminar of Algebra and Logic. Algebra and Logic]. Novosibirsk, vol. 3, no. 5/6, 1964.

- Table of contents translated.
- Bokut', L. A. - Some examples of rings without zero divisors p 5
- Gladkii, A. V. - Complexity of the derivation of direct components in phrase structure grammars p 29
- Kostyrko, V. F. - Class of reducibility of  $\sqrt[n]{\sqrt[n]{\sqrt[n]{\dots}}}$  p 49
- Taitalin, M. A. - Elementary theories of free nilpotent algebras p 57
- Mycielski, Jan. - Determination of arithmetical operations in Ackermann's model p 64

- CHEKOSLOVATSKII MATEMATICHESKII ŽURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL] Issued by Matematicheskii institut Československé akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences] Prague, vol. 13(90), no. 2, 1965.

- LIETUVOS MATEMATIKOS RINKINYS. LIUVOSKII MATEMATICHESKII Sbornik [LITHUANIAN MATHEMATICAL PAPERS]. Issued by Lietuvos TSR Mokslu akademija and Lietuvos TSR aukštojo mokyklos [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol. 5, no. 1, 1965.

**MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW].** Issued by Akademiya nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 66(106), no. 4, Apr. 1965.

- Table of contents translated:  
 Milugin, B. S. - Interpolation theorem for modular spaces. p. 473.  
 Kozlovskiy, S. G. - Some aspects of the structure of measurable functions. p. 483.  
 Tamarazov, P. M. - Theorems for line overlapping in conformal mapping. p. 502.  
 Grushin, V. V. - Relation between local and global properties of solutions to hypoelliptic equations with constant coefficients. p. 525.  
 Starostin, A. I. - Partition of locally finite groups. p. 551.  
 Shevryn, L. N. - Fundamental aspects of the theory of projections of semistructures. p. 568.  
 Suprunenko, D. A. - Maximal nilpotent subgroups of a complete linear group above the quotient-ring  $Z/(p^n)$ . p. 588.  
 Tolstov, G. P. - The derivative and the integral (an axiomatic approach). p. 608.

**MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS].** Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, nos. 2, 4, Mar.-Apr., July-Aug. 1965.

**MOSCOW, UNIVERSITET. Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1 Mathematics, Mechanics].** Vol. 20, no. 2, Mar.-Apr. 1965.

- Table of contents translated:  
 Dubnov, D. L. - Existence and uniqueness in the large of the solution to the Hamilton-Jacobi equation. p. 3.  
 Shumeiko, G. G. - Joint nomography of two functions up to the terms of higher order. p. 10.  
 Sterlin, B. I. U. - General boundary value problems for elliptic equations in a region whose boundary consists of manifolds of different dimensionality. p. 16.  
 Borisov, A. P. - Sufficient conditions for the existence of periodic solutions to a system of two differential equations with discontinuous right-hand sides. p. 22.  
 Kopylova, A. N. - The problem of colored polygons. p. 35.  
 Brusilov, N. P. - Experience in developing the ternary computer. p. 39.  
 Fedoseev, V. V. - Longitudinal period flows of an incompressible viscous fluid in a circular tube with a rod along the axis. p. 49.  
 Levin, V. A. - Nonlinear oscillations of an electron gas in a magnetic field. p. 62.  
 Dao Duy Bich. - The local determination hypothesis in the theory of plasticity. p. 67.  
 Mukhin, O. N. - Stability of a pipeline and some methods for solving nonconservative problems. p. 76.  
 Bulichev, L. A. - Deformation of nonlinear elastic reinforced plastics. p. 88.

**OPTIMAL'NOE PLANIROVANIE [OPTIMUM PLANNING].** Issued by Institut matematiki Sibiri skogo otdeleniya Akademii nauk SSSR [Institute of Mathematics of the Siberian Department of the Academy of Sciences of U.S.S.R.]. Novosibirsk, no. 2, 1964.

- Table of contents translated:  
 Rubinshteyn, G. Sh. - Solving extensive linear programming problems. p. 3.  
 Iakovleva, M. A. - Two-component problem of linear programming. p. 23.  
 Bulavskiy, V. A. - An algorithm for solving the transport problem. p. 41.  
 Zvagin, R. A. - Linear programming problems with partitioned matrices. p. 50.  
 Gavurin, M. K. - A priori estimate of the hereditary error in problems of linear and nonlinear programming. p. 62.  
 Gorsko, A. B. - A stochastic problem in regulation theory. p. 69.

**\*PRIKLADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]** Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 29, no. 2, May-Apr. 1965.

- Table of contents translated:  
 Nagaev, R. F. - Synchronization in a system of essentially nonlinear objects with a single degree of freedom. p. 209.  
 Krasovskiy, N. N. - Problem concerning the relaxation of a linear system under minimum intensity of control. p. 218.  
 Repin, I. M. - Approximate replacement of systems with a time lag by ordinary dynamic systems. p. 226.  
 Valeev, K. G., Lur'e, A. I. - Motion of the center of inertia of a satellite in the earth's gravitational field. p. 236.

Andreev, V. D. - Integration of equations of errors of a system of inertial navigation for Kepler motions of the object. p. 219.

- Novozhilov, V. V., Stepan, L. I. - The Saint Venant principle in the dynamics of rods. p. 261.  
 Cherepanov, G. P. - Pressure of a solid body on plates and membranes. p. 282.  
 Mossakovskiy, V. I., Rybka, M. T. - Attempt at evolving a theory of the strength of brittle materials based on Griffith's ideas about the energy state of solids. p. 291.  
 Aco, E. L., Buligin, A. N., Kuvshinskiy, E. V. - Asymmetrical hydromechanics. p. 297.  
 Ponomarenko, I. U. B. - Rigid conditions of development of steady-state motions in hydrodynamics. p. 309.  
 Kravko, A. N., Slobodkina, F. A. - Solution of variational problems in one-dimensional magnetohydrodynamics. p. 322.  
 Zhababakhin, E. I., Simonenko, V. A. - Converging shock waves in a heat-conducting gas. p. 334.  
 Kaganov, S. A. - Theory of propagation of a flame. p. 337.  
 Vorotilin, V. P., Krylov, V. S., Levich, V. G. - Theory of the extraction of matter from a falling droplet. p. 343.  
 Egilit, M. E. - A generalization of the model of an ideal compressible fluid. p. 351.  
 Gurevich, M. I. - Effect of a hole on the resistance of a body surrounded by a fluid in discontinuous flow. p. 355.  
 Repnikov, M. N. - Theory of axisymmetrical turbulence. p. 356.  
 Koshechevskiy, L. E. A. - Reflection of magnetoacoustic waves on the interface of two media of finite electrical conductivity. p. 357.  
 Kalmykova, S. S. - Diffraction of a plane wave at the junction of an ideally conducting wedge and a dielectric one. p. 361.  
 Balueva, I. A. - Problem of the determination of the position of a nonlinear system in a phase space. p. 364.  
 Kosmodem'ianskiy, V. A. - Applicability of the necessary conditions of the calculus of variations to a Boltz-Mayer type problem. p. 368.  
 Kharlamov, P. V. - Uniform revolutions of a body about a fixed point. p. 373.  
 Apikhin, N. G. - Stability of certain permanent revolutions of a solid body. p. 375.  
 Anchev, A. - Stability of the permanent revolutions of a solid body about a fixed point. p. 380.  
 Grigorian, S. S. - On the stable form of equilibrium of a pebble shot exposed to the surf. p. 387.  
 Feodos'ev, V. I. - A stability problem. p. 391.  
 Gusein-Zade, M. I. - Conditions for the existence of damping solutions to a two-dimensional problem in the theory of elasticity for a half-strip. p. 399.  
 Arin, D. D. - Note on V. L. Dobrovolskiy's paper "Applicability of complex variables to plane plastic strain." p. 400.

**\*TEORIYA VEROIATNOSTEI I EE PRIMENENIYA [THEORY OF PROBABILITY AND ITS APPLICATIONS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 10, no. 2, 1965.

- Table of contents translated:  
 Dobushin, R. L. - Existence of a phase transition in the two-dimensional and three-dimensional Ising models. p. 208.  
 Nagaev, S. V. - Some limit theorems for large deviations. p. 231.  
 Borovkov, A. A., Korotkiy, V. S. - Results of asymptotic analysis in problems with boundaries. p. 255.  
 Basharin, G. P. - A single server with a finite queue and items of several types. p. 282.  
 Gindyshev, E. G. - Stochastic approximation. p. 297.  
 Kogan, M. A. - Use of stochastic equations in studying the second boundary value problem for small-parameter parabolic differential equations. p. 301.  
 Petlov, V. V. - Probabilities of large deviations for sums of independent random variables. p. 310.  
 Dismenkov, V. F. - Calculation of the likelihood relation for Gaussian processes with a rational spectrum. p. 323.  
 Dolotskiy, I. U. L., Gornik, S. V. - Generalized measures in functional spaces. p. 420.  
 Shattland, E. S. - Local properties of processes with independent increments. p. 344.  
 Bolovkov, A. A. - First passage time for one class of processes with independent increments. p. 360.  
 Volodina, I. N. - Distinction between the Poisson and Polya distributions based on large numbers of small samples. p. 364.  
 Marushin, M. N. - Some remarks on convergence to Poisson's asymptotic law. p. 371.  
 Shirayev, A. N. - Some exact formulae in the problem on "disharmony." p. 380.  
 Shur, M. G. - On the maximum in a Gaussian stationary process. p. 386.  
 Abstracts of papers delivered at the meetings of the Section of Probability Theory and Mathematical Statistics of the Moscow Mathematical Society. p. 390.

**TEORIYA VEROIATNOSTEI I MATEMATICHESKAYA STATISTIKA [THEORY OF PROBABILITY AND MATHEMATICAL STATISTICS].** Issued by Institut matematiki Akademii nauk Uzbekskoi SSR [Institute of Mathematics of the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 1, 1961.

- Table of contents translated:  
 Abdurakhmanov, T. - Multitest statistical sampling inspection control. p. 5.  
 Strazhdinov, S. Kh., Abdurakhmanov, T. - Multitest statistical sampling inspection control for  $N \rightarrow \infty$ . p. 13.  
 Inamov, I. - Evaluating the results of sampling inspection control exercised according to plans  $D_1(p, \alpha)$ . p. 26.  
 Eidel'man, M. I., Inamov, I. - Practical use of estimators in analyzing the results of statistical control of production quality. p. 48.  
 Diveev, R. Kh. - Unbiased estimates for certain classes of distribution. p. 68.  
 Malevich, T. L. - Asymptotic distribution of statistics related to the estimation of the spectrum of a stationary process. p. 77.  
 Nagaev, S. V. - A theorem in renewal theory. p. 100.  
 Nagayev, A. V. - A theorem on large deviations. p. 103.  
 Manevich, D. V. - Limit distributions for inhomogeneous Markov chains. p. 108.  
 Shrikhaidrova, N. - Homogeneous local theorem for densities. p. 117.  
 Vinokurov, V. G. - Supplementary representations of algebras with measures. p. 126.  
 Baiban, M. B. - Note on the author's paper "New applications of U. V. Linnik's 'big sieve'." p. 130.

**TYUMEN'. GOSUDARSTVENNIY PEDAGOGICHESKIY INSTITUT. Kafedra matematiki. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Department of Mathematics. Studies].** Vol. 13, no. 3, 1962.  
 Contents: Perevalov, G. E. [Linear measure of plane continua] O lineinoy mere ploskikh kontinuumov. 26 p.

**UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL].** Organ of Institut matematiki Akademii nauk USSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 17, no. 3, 1965.

- Table of contents translated:  
 Bogolyubov, N. N., Jr. - Calculating the free energy for model systems. p. 3.  
 Gerontimus, A. L. - Mean weighted and uniform approximations of functions on rectifiable curves. p. 16.  
 Gestrin, G. N. - Fundamental solutions to systems invariant with respect to rotations. p. 32.  
 Goruchuk, V. I. - Integral representation of Hermitian-indefinite nuclei. p. 43.  
 Davidenko, D. F. - Use of the parameter variation method in calculating an adjoint matrix and its determinant. p. 59.  
 Zel'manzon, M. E. - Groups in which all subgroups are melabellian. p. 67.  
 Shcherbina, G. V., Myskita, A. D. - Asymptotic behavior of the solutions to a class of second-order differential equations vanishing at infinity. p. 74.  
 Ramm, A. G. - Nuclear nature of integral operators and the existence of an S-matrix in the problem of scalar scattering on an infinite boundary and local potential. p. 84.  
 Sokolov, I. U. D. - Sufficient tests for convergence of the method of averaging functional corrections. p. 91.  
 Sharkovskiy, A. N. - Cycle and structure of continuous mapping. p. 104.  
 Varyak, L. P. - Existence of a nucleus on a product of graphs. p. 112.  
 Volkov, I. I. - Constructive characteristics of functions of a complex variable in regions with a piecewise smooth boundary. p. 115.  
 Gavriluk, V. T. - Multidimensional generalization of P. I. Romanovskiy's theorem on the convergence of singular integrals. p. 120.  
 Korotkiy, V. S. - Period of a semi-Markov process in a fixed set of states. p. 123.  
 Liubich, I. U. I. - Algorithm for calculating the spectral radius of an arbitrary matrix. p. 123.  
 Todorov, P. G. - Radius of the univalence of a class of meromorphic functions. p. 135.

**\*USPEKHII MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]** Issued by Akademiya nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 20, no. 3(123), May-June 1965.  
 Table of contents translated:  
 Aleksandrov, P. S. - Opening address delivered at the grand meeting of the Moscow Mathematical Society on October 20, 1964. p. 4.  
 Kurosh, A. G. - The Moscow Mathematical Society during the past third of a century. p. 10.



- Men'shov, D. E. - The Moscow Mathematical Society in the period 1910-1920. p. 19.
- Linstel'man, L. A. - Address delivered at the jubilee meeting of the Moscow Mathematical Society p. 21.
- Bugolubov, N. N. - Mathematical problems in quantum field theory. p. 31.
- Movtyuk, S. P. - New ideas in algebraic topology (K-theory and its applications) p. 41.
- Sorokoshin, A. V. - Constructive methods for the representation of random processes p. 67.
- Eskin, G. I., Vishni, M. I. - Convolution equations in a bounded region p. 89.
- Krasovskii, N. M. - Optimum control in ordinary dynamic systems. p. 153.
- Iokhvidov, I. S. - G-isometric and J-semiunitary operators in Hilbert space p. 175.
- Kadets, M. I. - Conditions for the differentiability of norms of Banach spaces. p. 183.
- Lozovik, V. G. - Some properties of typically-real functions. p. 189.
- Nechayev, V. I., Stepanova, L. L. - Distribution of non-residues and primitive roots in recursive sequences over a field of algebraic numbers. p. 197.
- Taklov, L. V. - One circle of extremum problems for trigonometric polynomials. p. 205.
- Timan, T. A. - Proof of Jung's geometrical theorem and its analog in the theory of stochastic processes p. 213.
- Shechepin, G. G. - McLain's and Mal'tsev's postulates for one class of regular operations on groups. p. 219.
- Marchenko, V. A., Akhiezer, N. I. - Boris Melisevich Levitan, on his 50th birthday. p. 227.
- Meetings of the Moscow Mathematical Society. p. 235.
- Abstracts of papers accepted for publication by the Moscow Mathematical Society p. 237.
- Meetings of the Leningrad Mathematical Society. p. 251.
- Bukhalov, N. S., Tikhonov, A. N. - All-Union Conference on Computer Mathematics. p. 254.
- Morkovina, N. I. - Defense of dissertations on mathematics p. 256.

## f PHYSICS

- \*AKADEMIYA NAUK SSSR, Izvestiya, Fizika zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physics of the Earth], Moscow, no. 2, 1985.
- Table of contents translated:
- Kogan, S. D., Pasechnik, I. P., Sultanov, D. D. - Seismic map of Antarctica in memory of N. A. Lindén. p. 1.
- Lazareva, A. P., Misharina, L. A. - Stresses in the earthquake centers of the Arctic seismic belt. p. 5.
- Gubin, I. E. - Conducting macroseismic studies. p. 11.
- Levykin, A. I. - Absorption and velocity of longitudinal and transverse elastic waves in rock samples at hydrostatic pressures up to 4000 kg/cm<sup>2</sup>. p. 21.
- Koroleva, K. P., Skugarevskaya, O. A. - Formation of a magnetic field induced by a horizontal elastic dipole immersed in a homogeneous conducting half-space. p. 28.
- Koroleva, K. P., Nikitina, V. N., Skugarevskaya, O. A. - Formation of an electric field in a homogeneous half-space in the case of an immersed source. p. 41.
- Gul'tim, A. V. - Effect of the decay of an Al<sup>18</sup> wave in the exosphere on the character of short-period oscillations of the earth's electromagnetic field. p. 50.
- Andreeva, O. L., Bukha, V. V., Petrova, G. N. - Laboratory estimate of the magnetic stability of rocks of the Czech massif. p. 54.
- Gvozdev, A. A. - Direction of displacements in a longitudinal wave propagating along the free boundary of an elastic medium. p. 65.
- Vasil'ev, I. U. A., Raicher, L. D., Sagalov, E. I. - Structure of the wave field of a straight-line homogeneous discrete  $\pi$ -B group. p. 69.
- Balavazhe, B. K., and others. - Use of a horizontal extensometer in observing tidal deformations of the earth at Tbilisi. p. 75.
- Solov'ev, O. A. - Determining the angle of magnetization for two-dimensional bodies. p. 80.
- Egorov, I. U. M., Chernozemova, V. G. - Results of magnetotelluric sounding in the region of the Lovozero geophysical station. p. 82.
- Kleimenova, N. G. - Some remarks on the nature of electromagnetic variations within the range of 100-1000 cps. p. 88.
- Mai'tseva, N. F. - Preliminary results of analyzing the pulse height spectra of SSC micropulsations. p. 90.
- Zhiliseva, V. A. - Unstable secondary magnetization and the laboratory viscosity. p. 92.

No. 5, 1985.

- Table of contents translated:
- Kormer, S. B., Funtikov, A. I. - Impact compression of ferroilcon and the possible constitution of the earth's core. p. 1.

- Golubeva, N. V. - Seismic belts of the globe and their energy characteristics during the period 1950-1960. p. 4.
- Oblagina, T. I. - One inverse problem in the geometrical seismic prospecting of inhomogeneous media. p. 7.
- Ianson, Z. A. - Interference of SH waves in an elastic spherical layer lying on an elastic sphere. Part 2. p. 12.
- Novoselskii, V. M. - Theory of determining density variations in a horizontal stratum from gravity anomalies. p. 25.
- Tarakanov, I. U. A. - Theory of gravity measurement from an airplane using three orthogonal string transducers. p. 33.
- Skugarevskaya, O. A., Tikhonov, A. N., Frolov, P. P. - Resolving power of the method of magnetic field establishment. p. 43.
- Volarovich, M. P., Valeev, K. A., Parkhomenko, E. I. - Specific resistance of rocks in constant and variable electric fields. p. 51.
- Golenitskii, S. I., Medvedeva, G. I. A. - Boundaries of the first kind in the upper mantle of the earth. p. 57.
- Mikhailova, N. G., Paritskii, B. S. - Intensity of waves reflected from the boundaries of the second kind in the earth's mantle. p. 63.
- Antipov, V. I. - Seismic zoning of the Soviet part of the Carpathian region. p. 67.
- Merkulova, V. M. - Measuring the ultrasonic wave velocities in certain rocks. p. 75.
- Bondarev, V. I. - Using the coplanar axes of azimuthal seismograms in determining the parameters of elliptically polarized vibration. p. 82.
- Rybakova, E. V., Shakhmurov, D. N. - Resolving power of the magnetotelluric sounding method. p. 94.
- Bondarenko, A. T. - Frequency dependence of the dielectric properties of rocks of the Kola Peninsula. p. 101.
- Sholpo, G. P., Sholpo, L. E. - Processes of stabilization of the remanent magnetism of rocks. p. 108.
- Lisul'mova, E. A., Udintsov, G. B. - Expedition for measurement of the thermal flux through the bottom of the Pacific Ocean. p. 117.

AKADEMIYA NAUK SSSR, Izvestiya, Mekhanika [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Mechanics], Moscow, no. 2, Mar.-Apr. 1985.

## Table of contents translated:

- Kireev, V. T., Dem'yanov, I. U. A. - Analysis of one-dimensional nonsteady gas flows with allowance for heat conduction and viscosity. p. 3.
- Ivanov, T. F. - Laminar flow of a viscous incompressible fluid past a paraboloid of revolution. p. 11.
- Vasil'ev, O. F., Ternova, T. A., Shugrin, S. M. - Numerical method for calculating nonsteady flows in open channels. p. 17.
- Podolskii, M. E. - Hydrodynamics of a nonisothermal lubrication layer. p. 28.
- Natanzon, M. S. - Discontinuous forced oscillations of a fluid in a pipeline. p. 33.
- Tsykova, O. E. - Vibrational life of a fluid. p. 43.
- Pervozvanskii, A. A. - Minimum of the maximum deviation of a controllable linear system. p. 51.
- Rottenberg, I. A. - Motion of a gyroscopic pendulum with radial correction during slight random shifts of its point of support. p. 58.
- Machabell, L. I. - Motion of a disc with two pendulum suspensions. p. 64.
- Krementlov, V. V. - Stability of the motion of certain controllable gyroscopic devices on a mobile foundation. p. 69.
- Guretskii, V. V. - Maximum protection of equipment from shock. p. 76.
- Klushnikov, V. D. - Analytic theory of plasticity. p. 82.
- Rudis, M. A., Litrova, I. U. P. - Limit equilibrium of inhomogeneous plates and shells of revolution under piecewise-linear conditions of plasticity. p. 88.
- Babeshko, V. A., Aleksandrov, V. M. - Contact problems for an elastic strip of limited thickness. p. 88.
- Rabinov, I. U. N., Stankevich, O. F. - Experimental disclosure of plastic zones on models made from a titanium alloy. p. 108.
- Pallei, I. Z. - Application of the theory of residual microstresses to nonisothermal deformation. p. 110.
- Birger, I. A. - Calculation of structures allowing for plasticity and creep. p. 113.
- Malinin, N. N. - Large deformations of a strip in plastic bending. p. 120.
- Vol'fon, A. S. - Nonsteady creep of threaded joints. p. 124.
- Bugakov, I. I. - Hereditary theory of creep of polymers. p. 127.
- Tarnopol'skii, I. U. M., Roze, A. V., Polakov, V. A. - Application of the theory of multilayer media in the study of oriented glass-reinforced plastics. p. 131.
- Bakshi, O. A., Kachanov, L. M. - Stressed state of a plastic interlayer in axisymmetric deformation. p. 134.

- Privainikov, A. K., Sheliakov, I. U. A., Petrishin, V. I. - Solution of problems involving multilayer bases. p. 138.
- Travush, V. I. - Problem involving the bending of a semi-infinite plate lying on an elastic base. p. 144.
- Gomes, T. S., Rokin, V. V., Ruppenheit, K. V. - Interaction of the hinges of hydrotechnical pressurized tunnels with rocks. p. 147.
- Shul'kin, I. U. B. - Equations for a problem concerning a plate reinforced by radial ribs. p. 152.
- Budnikova, T. V. - Bending of a spherical shell under an arbitrary axisymmetric load. p. 154.
- Alekseev, N. I. - Equilibrium figure and tension of an inhomogeneous tonello flexible string in a gravitational field. p. 160.
- Ganeev, R. F. - Amplitude determination in the case of oscillations of a solid body about the center of mass. p. 163.
- Bezhanov, K. A. - Solutions of plane and axisymmetric nonstationary gas dynamics equations near the leading edge of a circumferential body. p. 168.
- Sukhnev, V. A. - Determining the resistance of a plate under a zero angle of attack in a supersonic flow of a rarefied gas. p. 171.
- Pavlikhina, M. A. - Flow round an oscillating circular cylinder. p. 175.
- Fil'mov, M. V. - Displacement of water by gas in an inhomogeneous stratum. p. 179.
- Begmatov, A., Rybakova, S. T. - Interaction of water-bearing strata divided by weakly permeable strata. p. 182.

\*AKADEMIYA NAUK SSSR, Izvestiya, Soit. fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physical Series], Moscow, vol. 29, no. 6, June 1985.

## Table of contents translated:

- Kozlovskii, V. Kh. - Dynamic relaxation of ions of a ferroelectric in a self-consistent field. p. 874.
- Lavanuk, A. P. - Phenomenological theory of anomalies of thermodynamic quantities near the points of phase transitions of the second kind in ferroelectric substances. p. 879.
- Kozlovskii, V. Kh. - Phase transitions in a ferroelectric crystal in the presence of domain boundaries. p. 882.
- Lubimov, V. N., Tolmachev, V. V. - Theory of dipole structures. p. 887.
- Nedlin, G. M. - Phase transition from a ferroelectric state into a magnetically ordered ferroelectric state. p. 890.
- Fil'mov, V. S., Fesenko, E. G. - Phase transitions in  $\text{Pb}_2\text{CdWO}_6$ . p. 894.
- Kiseleva, K. V., Bogdanov, S. V., Kashanova, A. M. - Phase transitions in  $\text{SrTiO}_3$ . p. 899.
- Pakhomov, V. I., Gorken, V. A. - Structure of  $\text{N}(\text{CH}_3)_4\text{HgI}_3$  crystals. p. 901.
- Krasnikova, A. A., Koptaik, V. A. - X-ray diffraction study of a superlattice phase transition in  $(\text{BiI}_2)_2\text{BeF}_4$  crystals. p. 903.
- Aleksandrov, K. S., Gaiduk, S. P., Lundin, A. G. - Proton magnetic resonance in the ferroelectric  $\text{Ca}_2\text{Br}(\text{CH}_3\text{COO})_4$ . p. 907.
- Lundin, A. G., Zeer, E. P. - Phase transitions in potassium ferrocyanide and its analogs. p. 910.
- Zherobitsova, L. I., Vinogradova, I. S., Zaitseva, M. P. - Phase transitions in ferroelectric alum. p. 914.
- Kul'tupin, I. U. A., Iatsenko, A. F. - Spectroscopy of  $\text{NO}_2$  ions and the nature of ferroelectric phase transitions in  $\text{NaNO}_2$ . p. 917.
- Demoshina, A. I., Bogdanov, S. V., Murzin, V. N. - Vibrational spectra of  $\text{SrTiO}_3$ ,  $\text{BaTiO}_3$ , and  $\text{CaTiO}_3$ . p. 920.
- Fesenko, E. G., Kupriyanov, M. F. - Phase transitions in  $\text{Pb}_2\text{O}_5\text{BiO}_5\text{I}_2$  compounds. p. 925.
- Dokov, V. A., and others. - Antiferroelectric and ferroelectric phase transitions in  $\text{PbCuO}_5\text{WO}_5\text{O}_3$ . p. 929.
- Petrov, V. M. - Dielectric properties of the antiferroelectric  $\text{PbZrO}_3$  in the ultrahigh frequency region. p. 933.
- Rudlak, V. M., Kamaev, V. E. - The Barkhausen effect in triglycine sulfate crystals. p. 937.
- Kamaev, V. E., Rudlak, V. M., Shuvalov, L. A. - Characteristics of the Barkhausen effect in Rochelle salt and triglycine sulfate crystals. p. 943.
- Zaitseva, M. P., and others. - Intensity of an electric field required to bring about polarization equal to spontaneous polarization. p. 948.
- Rudlak, V. M., Baranov, A. I. - Effect of ultrasound on the processes of polarization reversal in triglycine sulfate crystals and in  $\text{BaTiO}_3$  ceramics. p. 951.
- Koptaik, V. A., Toshov, S. D. - Observation of the domain structure in low-temperature ferroelectrics using the frosted dew method. p. 956.
- Fomichev, N. N. - Use of the polarization-optical method in observing the domain structure in potassium dihydrophosphate crystals. p. 962.
- Sonin, A. S., Lomova, L. G. - Change in the optical properties of ferroelectric single crystals in phase transitions. p. 968.

- Sonin, A. S., Perfilova, V. E., Vasilievskaya, A. S. - Electro-optical properties of triglycine sulfate. Part I. p. 989.
- Anistratov, A. T., Potchenkov, A. A., Aleksandrov, K. S. - Measuring the linear electro-optical effect in crystals using the dynamic method. p. 973.
- Minaeva, K. A., Loman, A. P. - Absorption of ultrasound near the Curie point in triglycine sulfate crystals. p. 976.
- Strukov, B. A., and others. - Effect of an electric field on the heat capacity of single crystal triglycine sulfate. p. 982.
- Dimanova, E. N., Poplavko, I. M. - Heat conductivity of ceramic barium titanate and solid solutions on its basis. p. 985.
- Minaeva, K. A., Shuvalov, L. A. - Anomalies of certain physical properties of  $PbMg_{0.5}WO_{0.5}O_3$  near the phase transition. p. 988.
- Bursian, E. V., Daniluk, I. U. L., Shapkin, V. V. - Electron paramagnetic resonance in  $BaTiO_3$  single crystals containing color centers. p. 990.
- Bogdanov, S. V., and others. - Effect of an iron impurity on certain physical properties of  $BaTiO_3$  single crystals. p. 994.
- Rassushin, V. A., Bogdanov, S. V. - Mechanism underlying the appearance of relaxation polarization in  $BaTiO_3$  single crystals containing antimony. p. 999.
- Chebokov, A. V. - Electric and thermoelectric properties of polycrystalline barium titanate with various degrees of reduction. p. 1001.
- Sholokhov, M. L., and others. - Effect of conditions of growth on the properties of barium titanate crystals with certain impurities. p. 1005.
- Prokopenko, O. I. - Distribution of potential in barium titanate in a wide temperature range. p. 1009.
- Sinakov, E. V., Dudnik, E. F., Flerova, S. A. - Electric properties of  $BaTiO_3$  single crystals with ZnO impurities. p. 1013.
- Bursian, E. V., Smirnova, N. P. - Spontaneous polarization in thin  $BaTiO_3$  films. p. 1016.
- Fritsberg, V. I. A., Rolov, B. N. - Some laws governing the diffuseness of phase transitions in ferroelectric solid solutions. p. 1019.
- Roginskii, I. U. E., Venetsev, I. U. N., Zhidanova, G. S. - Structure and magnetic properties of ferroelectric solid solutions in the system  $Pb_{1-x}CoWO_3 - CdMnO_3$ . p. 1022.
- Krainik, N. N., and others. - Dielectric properties and structure of some solid solutions on the basis of  $BiFeO_3$ . p. 1028.
- Isaizade, I. G. - High-temperature X-ray structural analysis of the system  $BiFeO_3 - Pb(Fe_{0.8}Nb_{0.2})O_3$ . p. 1032.
- Iudin, V. M. - Magnetic properties of ferroelectric solid solutions of the system  $BiFeO_3 - Pb(Fe_{0.8}Nb_{0.2})O_3$ . p. 1035.
- Zhdanova, V. V. - Dilatometric study of the system of solid solutions of  $Bi_{1-x}La_x(Fe_{0.8}Mn_{0.2})O_3$ . p. 1039.
- Dantsiger, A. I. A. - Phase diagram of the system  $Rb_{1-x}K_xNO_3$ . p. 1042.
- Shapiro, Z. I., and others. - Study of the system  $KTaO_3 - LiNbO_3$ . p. 1047.
- AKADEMIYA NAUK URSSR, Kiev. Institut geofizikiy. Geofizicheskiy sbornik [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geophysics. Geophysical Papers]. Kiev, no. 8(10), 1964.
- Table of contents translated
- Sollogub, V. B., and others. - Nature of the Novosibirskaya gravity anomaly in the Crimean plain according to seismic studies. p. 3.
- Iurkevich, O. I. - Earthquake physics. p. 13.
- Lebedev, T. S., Bolubakh, K. A. - Subsurface crustal structure of the Crimea and the Black-Azov Sea basin according to geophysical studies. p. 18.
- Rakhimova, I. Sh. - Possibility of the determination of the depth of the occurrence of the Mohorovicic surface for a triple-layered area of the earth's crust. p. 27.
- Kaliuzhnaia, L. T., Sollogub, V. B., Chekunov, A. V. - Characteristics of the elastic waves from the interface in the crystalline basement in the southern part of the Belozerska iron-ore region and its subsurface structure. p. 34.
- Garkalenko, I. A., Bogasvskii, L. B., Bozorkhov, B. D. - Some data on the geology of the northwestern part of the Black Sea. p. 44.
- Chekunov, A. V. - Perekop transverse uplift in the northern Crimea. p. 49.
- Bulakh, E. G., Evtikova, L. G. - Theoretical curves of the gravity of anomalies over dome structures. p. 59.
- Guterman, V. G. - Relation between the layer velocities and the tectonics of two anticline structure in the Dnieper-Donets Lowland. p. 63.
- Pellushchenko, V. M. - Prospecting for concealed iron ore deposits in the Krivoy Rog Basin. p. 69.
- Tlapkin, K. F. - Determining the settling depth of ferruginous rocks using magnetic prospecting in the Krivoy Rog. p. 81.
- Krasovskii, S. S. - Criteria for the identification of transverse tectonic disturbances with a small shift using magnetometry. p. 88.
- D'lachkova, A. I. A. - Recording the successive arrivals of elastic waves in seismic logging, based on modeling data. p. 92.
- Afonin, V. G. - Effective form of the explosive charge in deep seismic sounding of the earth's crust. p. 97.
- Gerasimov, I. U. G. - Nature of the boundaries and thickness of rocks in the Ovruch series according to geophysical and geological data. p. 101.
- Dondarenko, I. G. - Relation of an intensive negative magnetic anomaly to a sulfide manifestation in effusives. p. 110.
- Nazarov, G. N., Ivanov, B. N. - Manifestation of knist in the Crimean steppe. p. 114.
- Egorov, V. M. - Gabbro intrusions in the faults of Volhynia, based on geophysical data. p. 125.
- No. 9(11), 1964. Investigations of the physical parameters of the earth's crust.
- Table of contents translated
- Volarovich, M. P. - Investigations of the physical properties of rocks at high pressures and temperatures. p. 3.
- Shapoval, V. I. - Physical properties of the rocks of a sedimentary-metamorphic complex in the middle Bug Valley. p. 14.
- Belanov, V. M., Indulnyi, V. F. - Characteristics of the physical properties of crystalline rocks in the northwestern part of the Ukrainian Shield. p. 30.
- Shapoval, V. I., Antonuk, E. I. - Some data on the density of igneous rocks in the southwestern part of the Ukrainian Crystalline Shield. p. 39.
- Mikhailova, N. P., Krutikhovskaya, Z. A. - Determining the age of crystalline rocks according to their magnetization. p. 44.
- Mikhailova, N. P. - Magnetic stability of basic rocks in the Volynskiy Massif. p. 52.
- D'lachkova, A. I. A., Kudriavtseva, M. N. - Velocity of elastic waves in some crystalline rocks in the Ukrainian Crystalline Shield based on laboratory investigations. p. 64.
- Rakhimova, I. Sh. - Change of the velocity of longitudinal waves and densities during phase and chemical transitions in the earth's interior. p. 75.
- Stupak, N. K. - Correlation dependence between the density and the velocity of the propagation of ultrasonic waves in rocks in the Kurak Magnetic Anomaly. p. 83.
- Gaman, B. A. - Possibility of evaluating the specific resistance of the rocks of a crystalline basement in the presence of the effect of infinite resistance. p. 88.
- Gerasimov, I. U. G., Tuktarova, A. B., Maldanuk, V. D. - Distribution of the abundance ratios of uranium in the boundaries of the Ukrainian Crystalline Shield. p. 91.
- Dilumetsev, A. M., and others. - Quantitative evaluation of iron rocks and ores in the Krivoy Rog Basin based on the radiometric data of holes. p. 97.
- Khelin, V. N., Shchitov, N. A., Garkalenko, I. A. - Physical properties of rocks and ores in the Krivoy Rog Basin and Belozerska iron ore region. p. 101.
- Kutas, R. I. - Evaluation of the distorting effect of the relief on geothermal parameters. p. 107.
- Kutas, R. I. - Characteristics of temperature changes with depth in the upper layers of the earth's crust. p. 114.
- Krutikhovskaya, Z. A., Mikhailova, N. P. - Investigations of the constant magnetic field and paleomagnetism in the U.S.S.R. p. 118.
- AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent. Izvestiya Seriya fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin, Series in the Physical and Mathematical Sciences], Tashkent, vol. 9, no. 1, 1965.
- Table of contents translated:
- Atakhojaev, M. - Uniqueness of one problem in the theory of potential. p. 5.
- Akhmedov, S. - Properties of Evgrafov's function of class II 5. p. 9.
- Vinogradov, A. I. - Nature of symmetry of sums with Dirichlet characters. p. 21.
- Mamashev, S. - Algebraic extendability of the solution to one nonlinear operator equation in a Banach space. p. 28.
- Turin, V. I. A. - Stability of linear approximations of solutions to differential equations with discontinuous right-hand sides. p. 34.
- Azimov, S. A., Pollak, I. U. V., Abdullayev, R. S. - Determining the fraction of energy transmitted to the soft component by particles interacting with carbon nuclei. p. 38.
- Brynskikh, N. A. - Frequency-phase and transfer characteristics of an inductive semiconductor diode. p. 41.
- Lenchenko, V. M., Pugacheva, T. S. - Theory of scattering of fast charged particles in crystals. p. 48.
- Mumlin, V. A., Starodubtsev, S. V. - Ion source with a longitudinal magnetic field. p. 57.
- Islamov, M. F., Khoshaev, L. Sh. - Regularization of a Chew-Low type equation for the process  $\pi^+ n \rightarrow 2\pi^+ n$  in the approximation of a fixed nucleon. p. 60.
- Kolesov, S. N. - Dependence of  $\alpha$ ,  $T_0$ , and  $T_2$  in polymerized vegetable oils on the molecular weight of their samples. p. 69.
- Saprykin, V. D. - Low-voltage electric discharges in electrolytes. p. 76.
- Nosenko, B. M., Laskolko, V. I. A., Krashina, A. H. - Excitonic emission of phosphors on a  $CaSO_4$  base. p. 81.
- Safarov, R. Kh. - Calculating the inertia moments of excited nuclei. p. 86.
- Arifov, L. I. A., Gutman, I. I. - Inertial frames of reference. Part 2. p. 93.
- Abdullayev, R. S., and others. - Angular distribution of shower particles in collisions of 24 BeV. protons with nucleons and nuclei of a photoemulsion. p. 98.
- Aliev, N. - Relation between the height of the tropopause and the maximum wind velocity. p. 105.
- Nazirov, I. Kh., Nozdrev, V. F. - Absorption and propagation rate of ultrasonic waves in mixtures. p. 109.
- Starodubtsev, S. V., Timusov, M. - Effect of gamma rays on ruby fluorescence yield. p. 111.
- Vol. 9, no. 2, 1965
- Table of contents translated
- Kogan, L. A. - Representation of numbers by certain quadratic forms with four variables. Part 3. p. 5.
- Mansurov, Kh. - Speeding up approximate methods of solution of integral equations. p. 11.
- Arifov, U. A., Kogan, V. I., Khalikov, A. Kh. - Use of a scintillation counter in recording a stream of secondary electrons when studying secondary ion-electron emission with the aid of the pulse counting method. p. 16.
- Arifov, U. A., Kasimov, A. Kh. - Angular dependence of the complete energy spectrum of secondary electrons during the bombardment of metals with electrons. p. 23.
- Leiderman, A. I. U. - Effect of trapping levels on the volt-ampere characteristics of a semiconductor diode. p. 29.
- Aronov, D. A., Shumakov, R. G. - Effect of trapping levels on the photoconductivity of semiconductors at large illumination levels. p. 40.
- Naroditskii, A. D., and others. - Thermal sputtering of certain grid coatings and their effect on the performance of radio tubes with oxide cathodes. p. 48.
- Lenchenko, V. M., Iminov, I. - Theory of semiconductor counters of ionizing particles. p. 54.
- Arifov, L. I. A. - Relation of the plane of polarization of light in a field of forces of inertia and gravitation. p. 60.
- Degzhanov, R. B., Islamov, A. A. - Resonance scattering of gamma quanta on  $Ca^{40}$  nuclei. p. 67.
- Saidov, M. S., Sultanov, I., Akhmedzhanov, M. R. - Impurities in germanium and silicon. p. 72.
- Aliev, N. - Calculating the tropopause height and the geopotential on the levels of 500, 300, and 200 mb. p. 76.
- Muskalov, I. U. D. - Equations describing the equilibrium of the snow cover on concave and convex parts of slopes. p. 82.
- Arzhanykh, I. S. - Group complexes with a matrix basis. p. 89.
- Turin, V. I. A. - Stability of solutions to a system of differential equations with discontinuous right-hand sides. p. 90.
- Azimov, S. A., Prozorova, E. I., Iuldashev, A. A. - Elastic scattering of 5.5 BeV.  $e^- e^+$ -mesons on protons. p. 92.
- CHEKOSLOVATSKII FIZICHESKII ZHURNAL, CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Czechoslovak Academy of Sciences. Prague, vol. 15, nos. 6-7, 1965.
- \* FIZIKA TVERDOGO TELA (SOLID STATE PHYSICS)
- Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 7, no. 6, June 1965.
- Table of contents translated:
- Saralidze, Z. K., Slezov, V. V. - Theory of the coalescence of pores with gas. p. 1805.
- Volkov, A. F. - Theory of spin absorption by donor electrons in semiconductors. p. 1812.
- Bakanova, A. A., Dudoladov, I. P., Truzhin, R. F. - Compression of alkali metals by strong shock waves. p. 1815.
- Ashmanskiy, R. A., Ben'iaminovich, M. B., Veksler, V. I. - Characteristics of focusing atomic collisions in the cathode sputtering of tungsten and molybdenum single crystals. p. 1823.
- Kolomnets, B. T., Mamontova, T. N., Stepanov, G. I. - Impurity and induced photoconductivity of  $Tl_2Se - Ag_2Te$  chalcogenide glasses. p. 1830.
- Mashkovich, M. D., Demeshina, A. I. - Study of some inorganic dielectrics in the long-wave part of the infrared region. p. 1834.
- Rubinshteyn, B. E., Titova, A. G., Lapovok, B. L. - Compensation of magnetic moments of sublattices in yttrium FeGa garnet. p. 1839.
- Khelifa, M. I. - Interaction between conduction electrons and lattice vibrations in a semiconductor. p. 1842.

- Smirnov, B. I., Patrikeev, I. I. - Relation between dislocation density and stresses in deformed 11F crystals. p. 1644.
- Antrich, G. A. - Distribution of divalent impurities in growing NaCl single crystals. p. 1653.
- Dylov, G. A., Rukhovich, S. S. - Mossbauer spectra in the presence of electric quadrupole and magnetic interactions. p. 1657.
- Petrov, M. P. - Nuclear magnetic resonance of  $^{19}\text{F}$  in  $\text{NaF}$  and  $\text{NaF}_2$ . p. 1663.
- Frankovich, E. I., Bilobanov, E. I. - Current carrier motion in organic substances. p. 1667.
- Aliev, S. A., Korotkiy, L. L., Shalyt, S. S. - Temperature dependence of the effective electron mass and some data on their scattering in mercury selenide. p. 1673.
- L'vov, V. S. - Thermoelectricity in a quantized magnetic field in semiconductors with a multi-ellipsoid band. p. 1680.
- Muzalaf, T. I., Sandomirskiy, V. B. - Impedance of a dielectric diode with traps. p. 1687.
- Murtazin, Sh. F. - Nuclear resonance absorption of ultrasound in crystals containing paramagnetic impurities. p. 1690.
- Gur'ich, I. A. - Anisotropic scattering in semiconductors. p. 1696.
- Palatnik, L. S., Sorokin, V. K., Irbidova, M. V. - Effect of the backing on the structure and properties of PbTe films. p. 1699.
- Gershenson, E. M., Gur'ich, I. A., Rabinovich, R. I. - Interaction between current carriers in semiconductors. p. 1706.
- Zhitnikov, R. A., Kolesnikov, N. V. - Hyperfine structure of the paramagnetic resonance spectra of free Ag, Au, and Cu atoms stabilized in a benzene matrix at the temperature of liquid hydrogen. p. 1710.
- Lashcharev, V. E., Lushchynko, A. V., Sheinkman, M. K. - Complex study of the kinetics of recombination and infrared quenching of the photocurrent in cadmium sulfide. p. 1717.
- Udlin, D. M. - Determining the type of radiation traps in glasses. p. 1733.
- Quasnov, N. G., Abdullayev, M. N. - Rotation of the plane of polarization in tetragonal crystals with  $\text{MnF}_2$  type structure. p. 1739.
- Mikhailov, E. Z. - Aronikus temperature dependence of the carrier mobility in selenium. p. 1743.
- Zyriarut, P. S., Orlov, V. I. - Theory of nondissipative electron streams in a quantized magnetic field. p. 1749.
- Zhukov, B. I., and others. - Pulsations on induced radiation in solids. p. 1756.
- Solov'ev, V. I., Gurevich, A. G. - Ferromagnetic resonance in yttrium garnet with a terbium impurity. p. 1761.
- Levashova, E. D., Tikhonov, V. V. - Scattering of photons and electrons in solid solutions. p. 1770.
- Zhad'ko, I. P., and others. - Anisotropy of the electric and photoelectric properties of  $\text{InSb}$ . p. 1777.
- Shiba, V. I. - Fine structure of the spectrum of local centers and excitons in semiconductors with extremum loop. p. 1782.
- Alkaber, K. A. - Dependence of the melting point of selenium on pressure. p. 1787.
- Tolpygo, E. I., Tolpygo, K. B., Sheinkman, M. K. - Laser recombinations with the participation of carriers bound to various centers. p. 1790.
- Kornilov, B. V. - Carrier recombinations on zinc atoms in n-silicon. p. 1795.
- Voron'ko, I. U., and others. - Optical properties of  $\text{CaF}_2 \cdot \text{LaF}_3$  crystals. p. 1800.
- Cruceanu, E., and others. - Some properties of  $\text{HgTe}$  single crystals grown from solutions. p. 1808.
- Aladinskiy, V. K. - Impact ionization and distribution function of hot carriers in silicon. p. 1813.
- Ravich, I. U. - Temperature dependence of the effective mass and the effect of two-phonon processes on mobility in semiconductors with a narrow forbidden band. p. 1821.
- Saralidze, Z. K. - Effect of the coalescence of dislocation loops on internal friction in tempered metals. p. 1832.
- Pokrovskiy, I. A. E., Svistunova, K. I. - Impurity and inter-impurity radiative recombination in silicon. p. 1837.
- Lushchikov, I. M., Denisov, S. S. - Secondary electron emission from solids with oblique incidence of primary electrons. p. 1846.
- Bishtanov, A. A., Troitskiy, I. V., Shaskol'skaya, M. P. - Kinetics of the fixation of dislocations by point defects in ionic crystals. p. 1856.
- Kuliev, B. B., Abasov, S. A., Khalilov, Kh. M. - Effect of a phosphorus impurity on the temperature-time dependence of the strength of selenium. p. 1860.
- Vorob'ev, I. U., Karkhanin, I. I. - Photoconductivity of  $\text{Cu}_2\text{O}$  in the temperature range 200-150°C. p. 1863.
- Bushvili, L. L. - Theory of nuclear spin diffusion in ferromagnets. p. 1871.
- Mashkova, E. S., Molchanov, V. A. - Effect of the crystalline structure of the target on the energy spectra of scattered ions. p. 1872.
- Polandov, I. N. - Study of the ferroelectric solid solution  $\text{Ba}(\text{Ti}_{0.95}\text{Zr}_{0.05})\text{O}_3$  at high pressures. p. 1871.
- Vol, B. M., Selivanenko, A. S. - Superconductivity in semiconductors. p. 1876.
- Sidorov, V. I., Shul'man, A. A., Sushko, T. E. - Effect of an electric field on the long-wave edge of the extrinsic photoconductivity of germanium doped with zinc and mercury. p. 1877.
- Guseva, G. I., Zvezdin, A. K. - Transfer effects in n-InSb in elastic polar scattering of electrons. p. 1879.
- Maksimova, T. I., Stekhanov, A. I., Chisler, E. V. - Temperature dependence of the intensity of the Raman spectrum of the second order in NaCl crystals. p. 1881.
- Andreev, G. A. - Impurity distribution of monovalent ions in growing KCl and KBr single crystals. p. 1883.
- Ksendzov, I. A. M., Drabkin, I. A. - Forbidden band width in nickel oxide. p. 1884.
- Bobov, V. A., Romanov, V. P., Chekin, V. V. - Mossbauer effect on  $\text{Sn}^{119}$  nuclei due to the ferroelectric phase transition in the solid solution  $\text{Ba}(\text{Ti}_{0.8}\text{Sn}_{0.2})\text{O}_3$ . p. 1886.
- Berkovskiy, F. M. - Recombination radiation in gallium arsenide under the action of single alpha particles. p. 1889.
- Ostoborodova, V. V., Ivanova, S. V. - Lithium-nickel interaction in germanium. p. 1890.
- Baturina, E. A., Luk'yanchev, I. U. A., Malukhov, O. T. - Use of the nuclear magnetic resonance method in studying trifluorides of rare earth elements of the cerium group. p. 1892.
- Belaev, A. D., Malogolovets, S. S. - Temperature dependence of the cross section of hole trapping by impurity centers in germanium. p. 1894.
- Kirvaldize, I. D. - Plasticity of silicon. p. 1897.
- Vinetskii, V. L., Mashkovich, V. S. - Generation of laser radiation in direct transitions in a semiconductor. p. 1898.
- Vladimirov, V. I. - Local work function. p. 1900.
- Basov, N. G., and others. - Semiconductor laser on a p-n-junction of the compound  $\text{CaAs}_2 \cdot \text{xP}_2$ . p. 1902.
- Galavanov, V. V., Nasedov, D. N., Filipchenko, A. S. - Temperature dependence of the effective electron mass in indium antimonide. p. 1904.
- Kashlev, I. U. A. - Ultrasound absorption in metals. p. 1906.
- Berkeliev, A. D., and others. - Lifetime of nonequilibrium current and noise carriers in p-InSb. p. 1908.
- Vintalokin, E. Z., Gorbachev, V. V. - Phonon frequencies in the nickel lattice in the [100] direction. p. 1910.
- Nasedov, D. N., Negreskul, V. V., Slobodchikov, S. V. - Electric properties of Te-doped gallium phosphide. p. 1912.
- LENINGRAD. GIDROMETEOROLOGICHESKIY INSTITUT. Study [HYDROMETEOROLOGICAL INSTITUTE. Transactions], No. 17, 1984. Issledovaniya severnoi chasti Atlanticheskogo okeana [Studies of the northern part of the Atlantic Ocean], no. 3.
- Table of contents translated:
- Valeianova, M. A., Novikova, E. M. - Variability of hydrologic conditions in the southern part of the Norwegian Sea. p. 3.
- Van Iou-shan [Wang Yung-huang]. - Variability of water temperature on the surface of the North Atlantic over a period of several years. p. 11.
- Thurikov, B. I. - Regionalization of the North Atlantic based on the structural similarity of water masses. p. 17.
- Thurikov, B. I. - Calculation of wind currents in the North Atlantic. p. 36.
- Zhukov, L. A. - Calculation of the annual variation of drift transport in the upper layer of the North Atlantic. p. 51.
- Serlyakov, E. I. - Possibility of predicting the thermal state of waters in the nonfreezing part of the Barents Sea for a five-year period. p. 57.
- Radkevich, V. M. - Research in the relations between the heat balance of the surface of the North Atlantic and characteristics of atmospheric circulation. p. 62.
- Kagan, B. A., Rebenok, S. P. - Preliminary calculation of heat balance components of the surface of the Norwegian Sea. p. 72.
- Larin, V. M. - Characteristics of the temperature field of the Norwegian Sea. p. 89.
- Nekrasov, A. V. - Analysis of the structure of the tides of the Norwegian and Greenland Seas. p. 95.
- Lakhtman, D. L., Rabinovich, I. A. S. - A transient problem of thermal conductivity. p. 113.
- Kondratovich, K. V. - Comparison of the average monthly values of the hydrometeorological elements and their anomalies with G. I. A. Vangengeim's types of atmospheric circulation. p. 118.
- Kagan, B. A. - Influence of the character of distribution of turbulence coefficients in the sea and atmosphere on the profiles of the velocity of drift currents and wind above the sea. p. 128.

- Kagan, B.A. - Vertical velocity of a current caused in the sea by an axisymmetric baric formation, p. 143.
- Rabinovich, I.A.S. - Crystallization of a liquid of infinite depth under generalized conditions at the boundary of conjugate phases, p. 150.
- Kudravalov, K.I. - Calculation of the movement of the edge of drift ice; based on the example of the Sea of Okhotsk, p. 162.
- Stepanov, S.I., Boris, L.I. - Influence of errors in initial data on the accuracy of a solution of boundary value problems of tide equations, p. 167.
- Rzhonskiy, V.B., Sukhotskiy, B.V. - Calculation of the intensities of tide-producing forces of the moon and sun, p. 187.
- \*METEOROLOGIA I IDROLOGIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavno upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.], Moscow, no. 7, July 1965.
- Table of contents translated.
- Dyklovskiy, M.L., Guza, G.V. - Principles of constructing an objective method of weather forecasting on the basis of information probability logic, p. 3.
- Pagava, S.T. - Joint analysis of the thermal state of the ocean and processes in the atmosphere, p. 11.
- Sinitsenko, O.D. - Agrometeorological calculations on the basis of statistical relations, p. 20.
- Petrasants, M.A. - Aerological observations on the Tashkent-Delhi route on December 11 and 14, 1963, p. 27.
- Katkov, V.L. - Solution of problems of mesometeorology by the numerical method, p. 32.
- Glazova, O.P. - Forecast of maximum air temperature in heavy cloudiness according to data of morning sounding of the atmosphere, p. 37.
- Tran-van-Thu - One variant of numerical forecasting of the transferences of typhoons by a three-dimensional model, p. 40.
- Bogdanova, T.F. - Dependence of the spring wheat crop on precipitation in the central nonchernozem zone, p. 46.
- Khodakov, V.G. - Dependence of the total ablation of the surface of glaciers on the air temperature, p. 48.
- Kravchenko, N.A. - Method of forecasting the maximum water level of rain floods of the Dniester at Kamenska, p. 51.
- Kondrat'ev, K.I.A. - State of meteorology in Japan, p. 53.
- Dmitriyev, A.V., and others. - Determining moisture of soils by their gamma-radiation, p. 56.
- Literature on meteorology and hydrology in 1964, p. 61.
- Radinova, K.I. Kh., Blinnikova, Z.G. - Weather forecast for the U.S.S.R. in July 1965, p. 69.
- MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions], No. 139, 1965. Synoptic and statistical methods of long-range weather forecasting.
- Table of contents translated.
- Bogrov, N.A. - Distribution of monthly amounts of precipitation, p. 3.
- Zverev, N.I., Ped', D.A., Vashukov, K.A. - Statistical method of forecasting the air temperature and the quantity of precipitation for a month, p. 22.
- Vachandze, Dzh.I. - Statistical method of making more precise the forecast of the average monthly air temperature in Transcaucasia, p. 20.
- Drogaliyev, D.A. - Forecasting the air temperature for winter, p. 35.
- Drogaliyev, D.A. - Forecasting precipitation for spring and the beginning of summer, p. 47.
- Zverev, N.I., Zvereva, E.P. - Statistical analysis of the effect of various layers of the troposphere on changes of pressure at the earth's surface, p. 50.
- Miakheva, N.N. - Experience in forecasting by the complex method, p. 67.
- Ped', D.A. - Method of forecasting the general character of the weather for a month, p. 71.
- Ped', D.A. - Problem of forecasting precipitation for a month, p. 89.
- Purganskaya, I.P. - Forecast of H<sub>500</sub> for 4-6 days, p. 111.
- REFERATIVNIYI ZHURNAL GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 6, June 1965.
- \*RUSSIA (1023- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedeniy, radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics], Moscow, vol. 8, no. 1, 1965.
- Table of contents translated.
- Kuz'min, A.D. - Theory of the radio emission of Venus, p. 7.
- Fainshchtein, S.M. - Amplification by a particle beam of plasma waves related to transition radiation on the sharply defined interface of two media, p. 19.
- Patarala, A.D. - Propagation of waves of final amplitude in a plasma allowing for the effect of charge separation, p. 27.
- Kondrat'ev, I.G., Miller, M.A. - Two-dimensional electromagnetic fields guided by plasma layers, p. 34.
- Tamolin, V.V. - Energy loss by a charge moving in an inhomogeneous magnetoactive plasma, p. 42.
- Rosinskiy, S.E., Rukhadze, A.A., Rukhlin, V.G. - Theory of the instability of an anisotropic plasma with a beam, p. 50.
- Presniakov, L.P., Sobel'man, I.I. - Propagation of electromagnetic waves in a medium with a variable refractive index, p. 57.
- Gorodinskiy, G.V. - Radiation reaction in the case of longitudinal waves, p. 64.
- Bespalov, V.I., Gaponov, A.V. - Statistical characteristics of the self-modulation of solid laser radiation, p. 70.
- Oravskiy, A.N., Shesteglov, V.A. - Normal modes of a laser with a filter, p. 81.
- Ostrovskiy, L.A., Iakubovich, E.I. - Steady-state laser oscillations with distributed losses, p. 91.
- Stankevich, K.S. - Nonresonance radio wave absorption in molecular oxygen, p. 98.
- Fuks, I.M. - Correlation functions of a wave field over a statistically uneven surface, p. 104.
- Stratonovich, R.L. - Amount of information transmitted via a quantum communication channel, Part I, p. 116.
- Stratonovich, R.L. - Amount of information transmitted via a quantum communication channel, Part 2, p. 123.
- Markov, G.T., Duplenkov, D.A., Osipovich, N.F. - Radiation from an extended spheroidal impedance antenna, p. 142.
- Iur'ev, V.I. - Parametric amplifier with transverse interaction and electrostatic focusing of the electron beam, p. 153.
- Levitskiy, S.M., Iavilinskiy, I.A., Shirokov, I.V. - Effect of a constant electric and magnetic field on the time of formation of a superhigh-frequency pulse discharge in a gas, p. 162.
- Telesin, V.R. - Propagation of excitation in one-dimensional structures, p. 169.
- Komolov, V.P., Roshal', A.S. - Logical circuits for ternary parameters, p. 177.
- Gol'tsev, V.A., Novozhilova, G.G., Pailitskiy, I.U.N. - Determining the declinations of certain extragalactic radio sources by means of the large radio telescope at Pulkovo, p. 183.
- Korobkov, I.U.S. - Some results of measurements of cosmic radio-frequency radiation in the ionosphere, p. 186.
- Eldman, V.I.A. - Emission of a surface wave by a charge crossing the interface between two media, p. 188.
- Fuks, I.M. - Space-time correlations of a field above the sea surface, p. 191.
- Chernikov, E.I. - Radiation from a beam moving above a diffraction grating on a shielded dielectric, p. 193.
- Vlasov, S.N., Talanov, V.I. - Rotation between the ray and wave theories of electromagnetic beams in quasi-optical systems, p. 195.
- Zaitsev, I.U., Stepanov, D.P. - Observation of multibeam generation by a helium-neon laser, p. 198.
- Krupnov, A.F., Skvortsov, V.A. - The excitation parameter of a beam type maser, p. 200.
- Kluev, A.S. - Study of automatic control systems with the aid of phase-amplitude criteria of the necessary stability with respect to modulus and phase, p. 203.
- Brusin, V.A. - Absolute stability of some classes of control systems, p. 206.
- Vol 8, no. 2, 1965
- Table of contents translated.
- Kamenskaya, S.A., and others. - Microwave observation of lunar radio eclipses, p. 219.
- Braude, S.I.A. - Frequency dependence and time variation of the density ratio of the radiation fluxes from the discrete sources of Cassiopeia-A and Cygnus-A in the decimeter wave band, p. 226.
- Sidorov, V.V., Pavlov, A.F., Fakhrudinov, R.I.U. - Use of phase techniques in studying polarization effects apparent in the reflection of radio waves from meteor trails, p. 234.
- Balklav, A. - Reduction of radio interferometer taking the transmission band into account, p. 244.
- Samokhin, M.V. - Emission of an extraordinary wave by the current carrying layer of a magnetoactive plasma, p. 251.
- Talanov, V.I. - The operator method of description of bundles of waves in complex quasi-optical systems, p. 280.
- Feldman, G.I. - Effect of the fine splitting of the lower level of Cr<sup>3+</sup> in ruby on some characteristics of coherent radiation, p. 272.
- Ostrovskiy, L.A. - Interaction of electromagnetic shock waves in nonlinear transmission lines, p. 285.
- Filippov, I.U.F. - Theory of the propagation of stationary waves of finite amplitude in ferrites, p. 292.
- Shishkin, L.A. - Excitation of magnetostatic oscillations in a magnetized ferrite by an electron beam, p. 301.
- Gvozdever, S.D. - Effect of a weak high-frequency field on an electron beam producing a virtual cathode, p. 308.
- Zhelezovskiy, B.E. - Frequency conversion in traveling-wave tubes and backward-wave tubes, p. 310.
- Neimark, I.U.I., Shil'nikov, L.P. - One case of the genesis of periodic motions, p. 330.
- Tal, M.L. - Conditions of conjugation for the probability density of transition of a Markov process with discontinuous transfer and diffusion coefficients, p. 341.
- Sinitsin, L.A. - Operation of a parametron by a prescribed magnetizing current, p. 350.
- Bo'shakov, V.M., and others. - Dynamics of an oscillator - rotor system, p. 359.
- Rakov, M.A., Shumkov, I.U.M. - Multiple modes in a frequency divider with two nonlinear elements, p. 372.
- Gostev, V.I. - Analysis of automatic control systems with modulator and half-wave demodulator, p. 380.
- Postnikov, L.V., Tarantovich, T.M. - Theory of electron - hole transitions, p. 392.
- Belov, I.F. - Measuring the polarization of solar-radio frequency radiation due to the total magnetic field of the sun, p. 400.
- Dymskiy, V.N. - Theory of the synthesis of antennas, p. 401.
- Marchenko, V.F. - Energy relations on the boundary of a nonlinear medium, p. 405.
- Semenov, G.F. - Calculation of resonators and wave guides with multilayer dielectrics, p. 407.
- Voropaev, N.D., Oravskiy, A.N. - Modes in a laser in the presence of an absorbing impurity, p. 409.
- Goncharov, I.G. - Experimental study of the modulations of a gas laser, p. 411.
- Groshekov, L.M., Nechaev, V.E. - Experimental study of electron motion in a generating magnetron, p. 413.
- Ainbinder, N.E., Grechishkin, V.S. - Energy levels and relative intensities of nuclear quadrupole resonance lines for certain integral spins, p. 418.
- Sobol', G.A. - Detection of centimeter waves in a gas discharge plasma, p. 420.
- Karmanova, Z.S., Elkin, V.S. - Some aspects of the theory of systems with modulated capacity and resistance, p. 422.
- Valeev, K.G. - Theory of the Laplace transformation, p. 424.
- UKRAINS'KYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL]. Issued by Viddit fizyky Akademii nauk USSR [Department of Physics of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 10, no. 3, Mar. 1965.
- Table of contents translated.
- Rekalo, M.P. - Electric generation of strange particles at high energies, p. 245.
- Hryshalev, I.O., and others. - Generation of accelerated positron beams in a linear electron accelerator, p. 260.
- Hann, V.V., Riabko, P.V., Savchenko, M.A. - Ferroacoustic resonance in magnetic materials, p. 263.
- Zulev, V.A., Sachenko, A.V., Tolpyho, K.B. - Kinetics of photoconductivity in semiconductors with the trapping levels for minority current carriers on the surface, p. 275.
- Lytochenko, V.H., Horban', A.P., Kovbasluk, V.P. - Use of the method of small pulse perturbations in studying a real silicon surface, p. 287.
- Tovstiyuk, K.D., Savitskiy, A.V. - Magnetic susceptibility of zinc telluride, p. 298.
- Plashchenko, O.O. - Infrared quenching of photoconductivity in CdS single crystals, p. 303.
- Marushko, I.O., Mashkevych, V.S. - Generation of the second optical harmonic in a laser resonator, p. 312.
- Dudkin, S.I. - Infrared absorption spectra of impurity molecules, p. 323.
- Prykhot'ko, A.F., Skorobohat'ko, A.F. - Spectral studies of azulene, Part 2: Measurements of absorption curves in azulene crystals over the temperature range of 282°-1.5° K, p. 332.
- Nosik, I.U.I. - Two-layer and multilayer three-dimensional Ising lattices, p. 336.
- Mitskevych, P.K., Protopyov, O.O. - Role of polarization effects in measuring the pulse conductivity and the breakdown strength of n-hexane, p. 342.
- Maryudin, V.H. - Shifting of the resonance frequency of the interaction between a plasma clot and a spatially modulated magnetic field, p. 343.

- Kon'ratich, A. M. - Excitation of waves in a confined plasma by modulated current. p. 340.  
 Batulicheva, Z. B., and others. - Thermoluminescence of NaF(F) crystals. p. 348.  
 Prykhodko, A. F., Storozhenko, A. F. - Spectral study of pericene. p. 350.  
 Pluhina, T. P. - Density of a weak mixture of  $\text{He}^3$ - $\text{He}^4$ . p. 353.

\*USPEKHI FIZICHESKIH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 66, no. 2, June 1965.

- Table of contents translated.  
 Bass, F. G., Arsenenko, V. M. - Theory of radiation from a charge passing through an electrically inhomogeneous medium. p. 189.  
 Terent'ev, M. V. -  $K \rightarrow Z$  and the possible nonconservation of CP-parity. p. 231.  
 Presman, A. S. - Effect of microwaves on living organisms and biological structures. p. 263.  
 Zeldovich, I. A. B. - Classification of elementary particles and quarks in a presentation for pedestrians. p. 303.  
 Keldysh, L. V. - Superconductivity in nonmetallic systems. p. 327.  
 Sakharov, A. D., Feinberg, E. L., Ginzburg, V. L. - Igor' Evgen'evich Tamm, on his 70th birthday. p. 353.  
 Fok, V. A. - Further on the uncertainty relation for energy and time. p. 363.

\*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 48, no. 3, Mar. 1965.

- Table of contents translated.  
 Vasilenko, L. S., Chebotayev, V. P., Troitskii, I. V. - Visual observation of infrared radiation from a laser. p. 777.  
 Chebotayev, V. P., Vasilenko, L. S. - Study on a neon-hydrogen laser at high discharge currents. p. 779.  
 Anan'ev, I. A., Sedov, B. M. - Spectral and time characteristics of stimulated radiation from  $\text{CaF}_2:\text{Sm}^{2+}$ . p. 782.  
 Mitrofanov, K. P., Plotnikova, M. V., Shpinel', V. S. - Shape of resonance absorption spectra of 23.8 keV gamma rays from the isomer  $\text{Sn}^{119m}$  in tin oxide and metallic white tin. p. 791.  
 Tslovkin, I. U. N., Volkenshtein, N. V. - Electroconductivity of diluted solutions of transition metals in platinum. p. 796.  
 Shan'kil, V. F., Dubovoi, L. V. - Effect of a variable electric field in steadying the helical instability in an electron-hole semiconductor plasma. p. 800.  
 Gotti, I. V., Ruzhmanov, E. E. - Experiments on the use of a variable electric field in heating ions in magnetic mirror traps. p. 804.  
 Lushinskaya, M. G., Shur, I. A. S. - Macroscopic domains in high-coercivity alloys with a single-domain magnetic structure. p. 814.  
 Goncharov, I. N., Khukhareva, I. S., Bychkov, I. U. F. - Effect of the structural state on the superconducting properties of zirconium alloys containing 20% to 25% niobium. p. 818.  
 Golovashkin, A. I. - Optical properties of lead at low temperatures. p. 825.  
 Bobashev, S. V., Ankudinov, V. A., Andreev, E. P. - Production of fast H atoms in excited states by proton charge exchange and the dissociation of  $\text{H}_2^+$  and  $\text{H}_3^+$  ions in helium and neon. p. 833.  
 Zavaritskii, N. V. - Use of the tunnel effect in the study of tin. Part 2. p. 837.  
 Borodulin, V. I., and others. - Emission of monopulses of coherent light by a two-component medium with negative absorption. p. 845.  
 Burshstein, A. I. - Kinetics of induced relaxation. p. 850.  
 Rodichev, A. M. - Motion of the magnetic moment. p. 860.  
 Kadigrobov, A. M., Savchenko, M. A., Gordon, N. I. - Nonuniform resonance in an antiferromagnetic plate. p. 864.  
 Aleksandrov, I. V. - Spin-lattice paramagnetic relaxation and the shape of the EPR signal line in a magnetic-dilute solid body. p. 869.  
 Alekseev, A. I. - Electromagnetic oscillations in a resonance medium. p. 879.  
 Gurevich, L. E., Vladimirov, V. I. - Behavior of a plasma with high radiation pressure in a strong electric field. p. 890.  
 Aliev, I. U. M., Silin, V. P. - Theory of oscillations of a plasma in a high-frequency electric field. p. 901.  
 Dikarov, V. M., Rudakov, L. I., Rytov, D. D. - Interaction of waves with negative energy in a weakly turbulent plasma. p. 913.  
 Ternov, I. M., Bagrov, V. G., Khapraev, A. M. - Electromagnetic radiation from a neutron in an external magnetic field. p. 921.

- Akhlezer, I. A. - Possibility of "pulsatory" distributions of turbulent sound waves in a plasma. p. 928.  
 Afanas'ev, A. M., Manykin, E. A. - Resonance effects in nonlinear optics. p. 931.  
 Smirnov, B. M., Chubisov, M. I. - Electron exchange and changes in the hyperfine state of colliding alkali metal atoms. p. 939.  
 Baier, V. N., Khoze, V. A. - Photon emission due to the production of muon pairs in electron-positron collisions. p. 948.  
 Dremim, I. M., and others. - The Bethe-Salpeter equation and the significance of "central" interactions. p. 952.  
 Sobel'man, I. I. - Excitation of atoms by electrons and the broadening of spectral lines. p. 965.  
 Kagan, I. U., Zhernov, A. P. - Anharmonicity effect on the phonon spectrum near the degeneration point. p. 971.  
 Petrash, G. G., Knazev, I. N., Bazhulin, P. A. - Possibility of observing induced radiation in the far-ultraviolet region of the spectrum. p. 975.  
 Lanson, I. K., Syvstunov, V. M., Dmitrenko, I. M. - Experimental observation of the tunnel effect in Cooper pairs with photon emission. p. 976.  
 Belov, K. P., Sokolov, V. I. - Magnetostriction in rare earth ferrites-garnets at low temperatures. p. 979.  
 Voronel', A. V., Snigirev, V. G., Chashkin, I. U. R. - Behavior of the heat capacity  $C_V$  of pure substances near the critical point. p. 981.  
 Sharvin, I. U. V. - On possible method for observing Fermi surfaces. p. 984.  
 Zeldovich, I. A. B. - Magnetic model of the universe. p. 988.  
 Askar'yan, G. A. - Coherent radio emission from cosmic-ray showers in the air and in dense media. p. 988.  
 Abrikosov, A. A. - Characteristics of the temperature dependence of nonmagnetic metals with a small admixture of magnetic atoms. p. 990.  
 Fomin, P. I. - Radiative corrections to pair photoproduction. p. 992.

ZHURNAL PRIKLADNOI SPEKTROSKOPII [JOURNAL OF APPLIED SPECTROSCOPY]. Minsk, vol. 2, no. 3, Mar. 1965.

- Table of contents translated.  
 Maslov, V. I. - Use of certain radar techniques in raising the sensitivity of emission spectrum analysis. Part I: Use of the correlation method. p. 103.  
 Nepokolchitskii, A. G., Iankovskii, A. A. - Mechanism underlying the flow of matter in light sources for spectrum analysis. p. 201.  
 Kiselevskii, L. I., Snopko, V. N. - Dependence of the relative population of displaced levels of the copper atom on the electron concentration in an arc discharge plasma. p. 267.  
 Kiselev, B. A., Parshin, P. F. - Calculation of a spectrogram in the method of Fourier spectrometry with discrete Fourier transformations. p. 212.  
 Peisakhson, I. V., Tarnakhi, I. N. - Calculation of the aberration of concave diffraction gratings. Part 2. Calculation of aberrations and estimation of the resolving power of the grating. p. 218.  
 Prikhod'ko, A. F., Plukha, T. P., Shan'kil, L. I. - Low-temperature methods for magneto-optical studies of crystals in the temperature region of superfluid helium. p. 223.  
 Ostapchenko, E. P., Pugin, V. I. - Role of helium in a helium-xenon plasma. p. 227.  
 Samson, A. M. - Calculating the luminescence of finite volumes with inverse population of levels. p. 232.  
 Ioganson, A. V., Litovchenko, G. D. - Characteristic bands of valence vibrations in infrared absorption spectra of the nitrogroup. Part I: Experimental data and assignment of bands. p. 243.  
 Chernitskii, E. A., Konev, S. V. - An oscillator model of molecules of indole and its derivatives. p. 261.  
 Drutskaia, L. V., Shtipel'man, Zh. V. - Applicability of a plasmatron in analyzing some powdered materials. p. 267.  
 Romanova, G. I. - Spectrophotometric determination of small additions of aromatic carboxylic acids in terephthalic acid. p. 269.  
 Moisia, E. G. - Luminescence and absorption of aqueous solutions of N-N'-dimethylthiacyanine methylsulfate and its polymer formations. p. 272.  
 Vasil'chenko, V. P., Uibo, L. A. - Electroluminescence of ZnS phosphor induced by a slowly varying field under the action of additional electric pulses. p. 275.  
 Fuks, M. F., Tukhvatullin, F. Kh. - Studying the shape and internal mobility of molecules from the broadening of the scattering line. p. 277.  
 Bakhr, L. P. - Optical pyrometry of nonuniform radiation sources. p. 279.  
 Levshin, V. L. - Thirteenth Conference on Luminescence. Organic luminophores and molecular luminescence. p. 283.

## 14. MEDICINE

## a. GENERAL

AZERBAIJANIAN TIBBII JURNALI, AZERBAIJANIAN MEDICAL JOURNAL. Issued by Azerbaycan Tibbi Jellili Nazirligi [Azerbaijan Ministry of Health]. Baku, vol. 42, no. 3, Mar. 1965.

- Table of contents translated.  
 Musabelli, U. S., Vasil'eva, O. M. - Compound therapy in atrophy of the optic nerves. p. 10.  
 Dzhanvazade, M. D. - Surgical treatment of patients with renal and ureteral calculi. p. 20.  
 Rzaev, N. M. - Diagnosis and treatment of embolism and thrombosis of the pulmonary artery. p. 25.  
 Gasanbekov, M. I. - Urine clearance test in the dynamics of renal function in nephrocardiomyopathy. p. 35.  
 Sultanova, A. N. - Comparative evaluation of the effectiveness of gramicidin paste and silver nitrate as contraceptive drugs. p. 41.  
 Samedova, U. N. - Distribution of scudle catarrh in individual climatic zones of Azerbaijan. p. 45.  
 Guseinov, I. A. A. - Significance of the control of the rheus conflict in the antenatal protection of the fetus. p. 51.  
 Amirdzhaniyev, K. A., Valdiva, M. G. - Effectiveness of using short-ultraviolet rays in the treatment of scarlet fever. p. 54.  
 Mamedzade, S. A., Salukhov, S. M., Baglamiray, N. E. - Pathogenesis of pulmonary suppurative diseases and their treatment. p. 60.  
 Gulieva, S. A. - Metastasis of sarcoma M-1. p. 62.  
 Guseinov, B. G. - Rational use of soap in the process of preparing the surgeon's hands in minor operations of patients. p. 74.  
 Valikhan, S. I., Zaitova, P. G. - Problem of Harada's disease. p. 79.  
 Kulieva, Z. T. - Case of Harada's disease. p. 102.  
 Guseinov, D. I. U. - Achievements of the medical sciences in Azerbaijan and its relations with the Caucasus Medical Society on the 100th anniversary of the Caucasus Medical Society. p. 80.  
 Gadzhiev, A. G. - Methodology of the production of bridglike prostheses without the preparation of the supporting teeth. p. 89.

\*BULLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY [BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE]. Issued by Akademiya meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.]. Moscow, vol. 60, no. 6, June 1965.

- Table of contents translated.  
 Vasil'skii, N. M. - Relationship between the background impulse activity of cortical neurons and phases of the electrocorticogram. p. 3.  
 Altman, I. A., Lobodova, Z. P. - Electrophysiological study of the posterior corpus bignum in cats. p. 7.  
 Raoni, S. N. - Characteristics of conditioned reflex electroencephalographic changes in man in various stages of the development of the conditioned connection. p. 11.  
 Nikolov, V. G. - Neuodynamics of central processes during experimental prolonged pain in man. p. 16.  
 Lugovoi, L. A. - Changes in the velocity of the blood stream in the cortical and medullary layers of the kidney in introduction of adrenaline and compression of the trachea. p. 20.  
 Nesterin, M. F., Naroditskaya, R. V. - Ability of the gallbladder to absorb protein. p. 23.  
 Smirnov, A. I., Bolitskaya, E. A., Kovaleva, T. N. - Effect of a prolonged stimulation of the peripheral segment of the vagus nerve on the heart in asphyxia. p. 28.  
 Medvedevskii, A. N., Traiteki, V. B. - Changes in the excitability of the heart in the acute stage of burn disease. p. 32.  
 Tabak, V. I. A. - Dynamics of the changes in the ECG in resuscitation of dogs by means of direct and external massage of the heart following clinical death caused by ventricular fibrillation. p. 36.  
 Dzheksenbaev, O. Sh. - Dynamics of the disappearance of bacterial lipopolysaccharide from the blood and formation of endogenic serum pyrogen in normal and thyroidectomized rabbits. p. 40.  
 Ivanova, N. M., Shitikova, A. S. - Changes in the properdin level in the blood of normal and irradiated animals under the effect of a mucopolysaccharide preparation made from cattle spleen. p. 42.  
 Pasechnik, I. Kh., Bylink, I. A., Nogenchevskii, I. I. - Phagocytic activity of leucocytes during the treatment of experimental hepatitis with vitamin D<sub>2</sub>. p. 46.

- Isaev, V. A. - Functional characteristics of experimental allergy caused by streptococci. p. 50.
- Zaks, M. G., Mazhbits, I. A. - Paradoxical reaction of the breast to oxytocin in persistent lactation. p. 53.
- Gligorin, D. G., Shalimov, V. A. - Study of the electrophoretic protein fractions of the myocardium in the process of developing atherosclerosis. p. 56.
- Panin, L. E. - Participation of insulin and glycoconjugates in the regulation of cholesterol metabolism. p. 58.
- Tret'nikova, K. A. - Seasonal variations in the cholesterol content of the adrenal glands in rats. p. 62.
- Tatarkin, I. U. S., Afanas'eva, A. V. - Detection of similar antigenic determinants in embryonic specific  $\alpha$ -globulins in man and some animals. p. 65.
- Kotomarskaya, N. N., Shal'nova, G. A. - Stimulating effect of the BCG vaccine on the genesis of antibodies. p. 69.
- Grachevskaya, N. A., Nepomniashchikh, I. U. Z. - Cytological and immunological reaction of lymphoid organs on the intravenous introduction of enterovirus antigen. p. 73.
- Avdeev, G. I. - Study of the organic specificity of tumors of the thyroid gland in man. p. 77.
- Lomakin, M. S., Krivoshein, I. U. S. - Antigenic differences between the tumorous and homologous normal tissues detected by means of normal tissue antibodies. p. 81.
- Rumyantseva, O. N. - Development of muscle tissue autotransplants in adult white rats of 10 months of age or older. p. 87.
- Bellinaeva, I. D. - Effect of actinomycin on the regeneration of the liver in mice. p. 91.
- Novikov, D. K. - Skin homotransplantation in rats following administration of the recipients' spleen suspension to the donors. p. 95.
- Umanin, K., Pal'k, B., Mchedlishvili, G. I. - Adrenergic structures of the placenta and their relations to the cerebral cortex. p. 98.
- Pevzner, L. Z. - Correlation between the volumes of the nucleus and cytoplasm in the neurons of the vegetative ganglia in cats. p. 102.
- Lobko, P. I. - Materials on the characteristics of the structure of the nervous crossconnections in the region of the som plexus in white rats. p. 105.
- Raikhina, N. T., Ivanova, S. N., Brodskii, V. I. A. - Histochemical study of the enzymes in the diploid and polyploid cells of the liver. p. 110.
- Racavskii, K. S., Timofeev, V. A. - Multichannel device for recording the motor activity of small laboratory animals (rats, mice). p. 114.
- Sergoov, K. K. - Complex methodology of liver impregnation with Voelgen's reaction. p. 117.
- Kutpacheva, V. A. - Spectrophotometric method for the determination of the content of vitamin A in liver punctates from monkeys (*Macaca rhesus*) and rabbits. p. 118.
- Kusalkin, I. U. N., Fedorov, N. A. - Method for detecting on electrophoregrams and chromatograms stains of substances absorbing ultraviolet rays in the 254 - 260 m $\mu$  zone (photography in ultraviolet rays). p. 121.
- Radzikhovskaya, R. M. - Possibility of using freeze-densitization and ultraviolet filtration for the purification of Rous' virus. p. 124.
- KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL].** Organ of Ministerstvo zdravookhraneniia Tatarskoi ASSR and Sovet nauchnykh meditsinskikh obshtestv [Ministry of Health of the Tatar A.S.S.R. and the Council of Medical Societies]. Kazan, no. 3, May-June 1965.
- MEDITSINSKAIA PARAZITOLOGIJA I PARAZITARNYE BOLEZNI [MEDICAL PARASITOLOGY AND PARASITIC DISEASES].** Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 33, no. 6, Nov.-Dec. 1964.
- Table of contents translated
- Glazunova, Z. I. - Experimental study of superinfection in leishmaniasis of guinea pigs. p. 645.
- Gleiberman, S. E., Belova, E. M. - General morphology of the cytopathogenic effect of *Leishmania* in tissue cultures. p. 650.
- Shul'kina, L. E. - Study of *Leishmania tropica* strains isolated from gerbils in a focus of cutaneous leishmaniasis of the rural type and similar cultures of *Flagellata* isolated from sand flies. p. 654.
- Akinshina, G. T., Gracheva, L. I. - Production of toxoplasmosis antigens in tissue culture. p. 661.
- Belova, E. M. - Study of the virulence of various strains of the agent of zoonotic cutaneous leishmaniasis. p. 666.
- Noelna, V. D. - Experimental chemotherapeutic study of the antibiotics monomycin and sekazin. p. 671.
- Piotnikov, N. N., and others. - Specific therapy of ophthalmochrosis in man by means of hexachloroparacylene, preliminary report. p. 676.
- Benediktov, I. I. - Mitochondria of the muscle tissue of *Ascaris suum* Goetz, 1758. Report no. 2 Effect of alcopar and some of its derivatives on the oxidation of the components of the Krebs cycle. p. 691.
- Skripit, L. I. - Effect of culture fluids of actinomycetes on the eggs of ascariids. p. 685.
- Sib, J., and others. - Study of immunogens and proteinolysis in animals following the administration of ascariid extracts. p. 689.
- Lelina, L. S., and others. - Longevity of *Cysticercus* boys and the development of immunity in cysticercosis. p. 691.
- Buskin, B. R., Elimtseva, E. P. - Some data on the chemical composition of the Siberian liver fluke (*Ophiorchis foliacea*, Rivolta, 1881). p. 701.
- Abou Senna, H. O., Bissaly, M. - Observations of the emergence of micellaria from schistosome eggs. p. 701.
- Zhdankina, T. A., and others. - Organization of measures for the eradication of an ancylostomiasis focus in Khatul' District, Bakhra Province. p. 707.
- Kornberg, E. I., and others. - Characteristics of immunogenesis in tetanoid birds in a natural focus of tick-borne encephalitis. p. 711.
- Kudrinskaya, N. I., Tsvetkov, I. V. - Chiggers in a natural focus of tsutsugamushi fever in the southern part of the Maritime Territory. p. 718.
- Zaitsev, S. S. - Potential malarial foci in Nikolayev Province, Ukrainian S.S.R. and the substantiation of the plan for malaria prevention measures in the next few years. p. 722.
- Vostokova, K. K., Andreeva, M. I. - Diagnosis of human malaria. p. 721.
- Kirichikov, V. S., Matlis, L. E. - Epidemiological characteristics of the distribution of lamblia in preschool children's institutions. p. 726.
- Atanasov, D. M. - Regional pathology of Algeria. p. 731.
- Sokolovskaya, O. M. - Use of the immunoelectrophoretic method in the study of the antigenic structure of helminths, survey of the literature. p. 735.
- Dibikova, V. A., and others. - Method of laboratory feeding of fleas in studying their role in the preservation and transmission of the pathogens of infectious diseases. p. 739.
- Shoshina, M. A. - Laboratory cultivation of the chigger *Trombicula zachvatkini* Schlug., 1948. p. 741.
- Klunshkina, E. A. - Ticks (*Parasitiformes*, *Ixodidae*) occurring on people. p. 742.
- Slesarenko, V. V., Dunaevskii, K. A. - Transovarial transmission of spirochaetes causing tick-borne relapsing fever in *Alectorobius asperus*. p. 744.
- Chausov, V. I. - Structure of the egg of a dwarf tapeworm. p. 745.
- Dukhanina, N. N. - Soviet literature on problems of medical parasitology and parasitic diseases for 1964. p. 747.
- Zenashvili, O. P. - Activities of the Scientific Society of Medical Parasitologists of Tiflis in 1963. p. 753.
- Polovakova, V. P., B'chenko, L. I. A. - 2nd conference of entomologists of the sanitary epidemiological stations in the southeast of the European part of the R.S.F.S.R. on the control of injurious insects. p. 754.
- Lipatnikova, M. F. - 1st conference on the control of Helminthiases in Byansk Province. p. 755.
- Zerchaninov, L. K. - Interprovincial scientific and practical conference on the control of helminthiases in the regions of the Urals and Western Siberia, and the scientific conference of the Tyumen' Branch of the Omsk Scientific Research Institute for Natural Focus Infections on medical parasitology. p. 756.
- Kamitov, N. G., Svanidze, D. P. - V. I. Okropiridze, an obituary. p. 757.
- In memory of the honorable scientist, Professor Petr Petrovich Popov. o. 757.
- (DNLM)
- \*MEDITSINSKAIA RADIOLOGIJA [MEDICAL RADIOLOGY].** Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 10, no. 2, Feb. 1965.
- Table of contents translated:
- Tsfasman, A. Z. - Excretion of chromium-51 from the organism in anemia. p. 3.
- Abasov, I. T. - Effect of radiotherapy on the content of intestinal enzymes (esterokinase and alkaline phosphatase) in the duodenal juice and excrements. p. 8.
- Mazovka, N. N. - Changes in the activity of cholinesterase in the blood serum in patients with cancer during the period of radiotherapy. p. 12.
- Nikonova, O. N., Popov, A. V. - State of blood serum proteins in patients with malignant neoplasms before and after radiotherapy. p. 13.
- Pugachevskii, V. P., Likharev, I. A. - Assessment of some radiotoxicological characteristics of phosphorus-32. p. 17.
- Skoropad, T. D. - Comparative evaluation of the dose field in the irradiated volume of the brain and in its cross-section by the use of a gel dosimeter. p. 23.
- Serdyukovich, A. A., Pravedina, G. M. - Characteristics of the biological action of ultrafractionated (pulsed) irradiation. p. 28.
- Vasil'ev, G. A., and others. - Effect of acclimatization to hypoxia on the growth and radiosensitivity of rat lymphosarcoma. p. 35.
- Kovalev, I. U. P., Evlanova, L. I. - Accelerated excretion of radioiodine from the organism. p. 41.
- Zil'ev, Sh. I. - Distribution of colloidal Ag<sup>110</sup> in the organism of rabbits in intramuscular administration and its influence on the development of the Brown-Pearce tumor. p. 45.
- Sivodov, V. L. - Comparative sensitivity of genetically different strains of mice to strontium-90. p. 48.
- Shupkova, V. A. - Change in acquired immunity in paratyphoid infection at different periods following irradiation, an experimental study. p. 51.
- Sosova, V. F. - Effect of the administration of homologous  $\gamma$  globulins on the outcome of radiation sickness in animals. p. 54.
- Svidenskaya, T. A. - Effect of ultraviolet irradiation on the course of radiation sickness. p. 59.
- Elashov, I. U. G., and others. - 8th All-Union Congress of Radiogenologists and Radiologists. p. 60.
- Vol. 10, no. 3, Mar 1965
- Table of contents translated
- Semenov, V. A., Seletskaya, T. S. - State of and prospects for further development and improvement of radiologic service in the country. p. 3.
- Agranat, V. Z., Obukhov, N. V. - Significance of the profile scanning method in the diagnosis of malignant tumors of the thyroid gland. p. 7.
- Fateeva, M. N., and others. - Determination of fat assimilation in gastrointestinal diseases by means of <sup>101</sup> trioleate glycerin. p. 11.
- Shul'man, K. M., Shitikova, M. G. - Effect of artificial blood circulation on the life span of Cr<sup>51</sup> labeled erythrocytes, on the problem of the mechanism of the development of postperfusion anemia. p. 16.
- Krutenko, V. F. - Radiotherapy in chronic myeloid leukemia. p. 21.
- Balsogolov, G. V., Klyzhuk, K. N. - Therapeutic effectiveness of the transfusion of "regenerating" bone marrow in acute radiation sickness. p. 26.
- Bykhevskii, A. V., Zarev, O. M. - Dosage computation in the irradiation of lungs with radioactive particles. p. 31.
- Korenkov, I. P. - Computation of the protection against radiation from accelerators with maximum electron energy up to 30 megavolts. p. 39.
- Akimovskina, Z. E., Novikova, L. V., Iudin, L. A. - Method for teaching radioisotope diagnosis to students of medical institutes. p. 44.
- Ezhov, A. K. - Changes in the secretory and excretory function of the pancreas in acute radiation sickness. p. 49.
- Medvedovskaya, T. S. - Distribution of P<sup>32</sup> in ocular tissues in rabbits following repeated introduction. p. 57.
- Korolev, G. K. - Distribution of Cs<sup>137</sup> following its intratracheal administration. p. 61.
- Buldakov, L. A., Erokhin, R. A. - Sr<sup>90</sup> metabolism in the organism of rats kept on calcium-rich diet. p. 68.
- Agafontsev, A. A. - Selfrecording pocket radiometer for studying the rate of thyroid function. p. 73.
- Golatyina, M. M., and others. - Method for the determination of Cs<sup>137</sup> in bone tissue. p. 78.
- Ganzeeva, I. A., Saimov, Sh. M. - Experimental device for chronic irradiation of animals. p. 81.
- Viturin, B. M. - Use of radioactive isotopes in the diagnosis of malignant tumors of the thyroid gland. p. 83.
- Vol. 10, no. 5, May 1965
- Table of contents translated.
- Pereslegin, I. A., Barkanov, A. I. - Results of radiotherapy in cancer of the esophagus. p. 3.
- Frolova, A. V., Pereslegin, A. I., Evstigneieva, T. P. - Optimal conditions for X-ray therapy of the central form of lung cancer. p. 9.
- Bychkov, M. B., Starichkov, M. S., Blokhina, N. G. - Results of combined treatment of patients with lung cancer, 5-fluorouracil and X-ray therapy. p. 13.
- Gusev, A. F. - Combined use of chemotherapy and gamma therapy with a large focus-skin distance in cancer of the urinary bladder. p. 18.
- Pavlov, A. S., Baser, G. M. - Course of reactions of the mucous membrane of the oral cavity in radiotherapy of neoplastic formations of the maxillofacial region and its relation to the absorbed radiation dose. p. 22.
- Dunaeva, L. A. - Malignant degeneration of benign tumors of the bones and fibrous osteodystrophy following X-ray therapy. p. 30.
- Belugina, Z. T. - Functional state of the gastrointestinal tract in radiophosphorus therapy of polycythemia vera. p. 35.
- Faltova, E. P. - Substantiation of the method of radioiodine treatment of multiple metastases of cancer of the thyroid gland. p. 41.



- Konov, B. A., Iudin, L. A. - Functional changes in the thyroid gland following a short-distance X-ray therapy of cancer of the facial skin. p. 46.
- Lapchenkov, V. I. - Determination of the radiation dose in the liver of patients with polycythemia on the basis of bremsstrahlung in the use of radiosophorus therapy. p. 51.
- Slavov, V. N. - Lipoproteins of the blood serum in patients with thyrotoxicosis treated with iodine-131. p. 55.
- Koshman, A. P. - Late radiation injury of the rectum diagnosed erroneously as recurring cancer. p. 60.
- Tarasov, N. F. - Introduction of radioactive colloidal solutions of Au<sup>198</sup>, P<sup>32</sup> and Ag<sup>111</sup> into the lymphatic vessels. p. 61.
- Mil'man, L. A., Mil'man, N. A. - Effect of ionizing radiation on the sexual function in men. p. 66.
- Model, A. A. - State of the vestibular analyzer in persons working with sources of ionizing radiation. p. 71.
- Eisenev, V. S., Korenkov, I. P., Goltikov, V. A. - Some problems of protection against the bremsstrahlung of  $\beta$  particles of a series of isotopes used in medicine. p. 75.
- Ratner, T. G., Biberger, A. V., Lips, V. L. - Dosage distribution in convergent relation irradiation. p. 78.
- Matykhin, V. M., Shamov, V. P. - Method of calculating irradiation doses and the maximum permissible concentration of fresh tissue fragments for different sections of the gastrointestinal tract. p. 82.
- Ostrov, I. S., Prokof'ev, A. A. - 10th annual conference of the Society of Nuclear Medicine. (Montreal, Canada). p. 84.
- Mandel'shteyn, I. U. B. - 3rd All-Union Conference on Medical Electronics. p. 91.
- In memory of A. V. Lebedevskii. p. 93.
- Vol. 10, no. 6, June 1965
- Table of contents translated.
- Obukhov, N. V. - Role of scanning in the diagnosis of malignant neoplasms of the thyroid gland. p. 3.
- Modestov, V. K., Tsygankov, A. T. - Study of the functional state of the thyroid gland by means of <sup>131</sup>I-labeled triiodothyronine. p. 11.
- Slavov, V. N. - Cholesterol metabolism in diseases of the thyroid gland in patients treated with <sup>131</sup>I. p. 14.
- TSasman, A. Z., Dibizheva, G. V. - Methodology for the determination of gastrointestinal hemorrhages by means of Cr<sup>51</sup>. p. 19.
- Ramzaev, P. V., and others. - Indirect determination of the content of Ca<sup>45</sup> in the human body. p. 26.
- Lindenbraten, L. D., Prie, I. G. - Comparative evaluation of some methodologies of preoperative X-ray therapy of breast cancer (immediate results). p. 28.
- Cherkov, I. L., and others. - Experimental two-stage transplantation of allogeneous bone marrow in severe radiation sickness. p. 34.
- Novikova, M. I. - Radiation lesion of medullary hematopoiesis. p. 42.
- Iakovlev, V. G. - Transformations of "potential radiation protectors" into active protective substances in the animal body. p. 47.
- Sivashinskii, D. S., Vysokii, F. F. - Concerning F. F. Kaperko's article "Determination of heart volume and other indications of central cardiac hemodynamics by means of radioactive krypton Kr<sup>86</sup>." p. 62.
- Malov, G. A. - Notes concerning F. F. Kaperko's article. p. 68.
- Kaperko, F. F. - Reply to D. S. Sivashinskii and F. F. Vysokii. p. 71.
- Modestov, V. K. - Concerning F. F. Kaperko's reply to D. S. Sivashinskii and F. F. Vysokii's article. p. 76.
- Krongauz, A. N., Lapidevskii, V. K., Titov, A. A. - Determination of radiation characteristics based on two simultaneously measured values. p. 79.
- Iushchenko, N. G. - Electrometric device for measuring the integral absorbed energy of X-ray and  $\gamma$ -radiation. p. 83.
- Rozenberg, A. V., Tsiurko, A. F. - Aleksandr Iosifovich Dombrovskii, on his 75th birthday. p. 84.
- \* MEDITSINSKII REFERATIVNYI ZhURNAL [MEDICAL ABSTRACTS] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 2, vol. 9, no. 5, May 1965.
- Razdel [Section] 4, vol. 9, no. 5, May 1965. Razdel [Section] 5, vol. 9, no. 5, May 1965. Razdel [Section] 6, vol. 9, no. 4, Apr. 1965. Razdel [Section] 7, vol. 9, nos. 3-4, Mar.-Apr. 1965. Razdel [Section] 8, vol. 9, nos. 2-4, Feb.-Apr. 1965. Razdel [Section] 9, vol. 9, no. 4, Apr. 1965. Razdel [Section] 10, vol. 9, no. 4, Apr. 1965. Razdel [Section] 11, vol. 9, no. 5, May 1965. Razdel [Section] 12, vol. 9, nos. 5-6, May-June 1965. Razdel [Section] 13, vol. 9, nos. 5-6, May-June 1965.
- MOSCOW. INSTITUT IMENI N. V. SKLIFOSOVSKOGO, Trudy [N. V. SKLIFOSOVSKII INSTITUT, Transactions], Vol. 5, no. 2, 1962.
- Table of contents translated:
- Dvorina, V. M., Sukhinin, P. L. - Myocardial infarction young patients. p. 4.
- Vinogradova, O. N. - Clinical and anatomical characteristics of myocardial infarction in hypertension. p. 17.
- Vinogradova, O. N. - Characteristics of the electrocardiographic curve in myocardial infarction in hypertensive patients. p. 26.
- Varigina, N. N. - Infarct of the papillary muscles. p. 30.
- Paomov, G. A. - Evaluation of aortic atherosclerosis by determining the traveling rate of the pulse wave in patients with coronary insufficiency. p. 43.
- Tindilnik, V. S. - Gastrointestinal blood circulation in hypertension. p. 50.
- Lokshina, E. S. - Functional state of the cortical analysis in hypertension. p. 55.
- Alembekova, Sh. M. - Histological changes in the vessels of the ganglia of the sympathetic nervous system in hypertension. p. 60.
- Kushkii, R. O., Minlovich, M. M. - Neuropsychic disorders in cardiovascular diseases. p. 78.
- Dvorina, V. M. - Cantharidin test in rheumatic fever. p. 85.
- Paomov, G. A., Petrova, L. I. - Fourth (auricular) tone of the heart and its importance from the clinical point of view. p. 90.
- Fokina, A. A. - Importance of the uniformity and the rhythm of oscillations in decoding oscillograms. p. 101.
- Fokina, A. A. - Oscillography in operations for arterial and arteriovenous aneurysms of the extremities. p. 115.
- Krivitskaya, E. A., Sukhinin, P. L. - Hormone therapy of bronchial asthma. p. 124.
- Ponomareva, E. D., Novosel'skaya, V. V. - Amino acid composition of the proteins of the blood and some organs in acute leukemia. p. 130.
- Ponomareva, E. D. - So-called monocytic leukemia. p. 139.
- Minlovich, M. M. - Transfusions of concentrated blood protein products in nephrosis and nephritis with a nephrotic component. p. 146.
- Zhogoleva, V. K., Lokshina, E. S. - Some physiological data in transcranial galvanization with a cathode current in disorders of cerebral blood circulation. p. 161.
- Lokshina, E. S., Zhogoleva, V. K. - Use of transcranial galvanization with an anode current in disorders of cerebral circulation. p. 168.
- Saifukov, V. I. - Treatment of thoracic radiculitis and stenocardia with bee venom. p. 174.
- Dvorina, V. M. - Poisoning by pachycarpine. p. 179.
- Zolotovskaya, V. A. - Diagnosis and treatment of poisoning by alcohol "surrogates" (methyl alcohol and dichloroethane). p. 184.
- Raevalskaya, V. V. - Exchange blood transfusion in patients with serious poisoning by hypnotics and the diagnostic importance of Flanders' test. p. 191.
- Tindilnik, V. S., Strakhova, O. G., Preobrazenskaya, I. U. N. - Effectiveness of unilobal treatment in acute poisoning by mercury chlorides. p. 197.
- Tarasov, M. P. - Acute poisoning by potassium dichromate. p. 201.
- Chuchkalov, V. P. - Case of death from acute alcohol poisoning. p. 208.
- Tarasov, M. P. - Idiosyncrasy to anesthetic. p. 209.
- Sharapova, T. P. - Case of asymptomatic pancreatitis. p. 212.
- Ovanesiants, Kh. A. - Rare case of huge ascites in a patient with hypertrophic liver combined with cirrhosis splenomegaly and endocrinopathy. p. 216.
- Tregubov, A. I., Fokina, A. A. - Combination of myxedema and hypertension. p. 221.
- Ovanesiants, Kh. A. - Rendu-Osler's disease or multiple hemorrhagic telangiectasia. p. 224.
- Minlovich, M. M. - Case of intravital diagnosis of cystic degeneration of the lungs. p. 228.
- Sokolova, V. P., Preobrazenskaya, I. U. N. - Observations of acute hemolytic anemia. p. 232.
- Lifshits, G. V. - Case of a combination of lymphoid leukemia and cancer of the liver. p. 238.
- (DNLM)
- Vol. 9, 1963. Scientific session of the Institute devoted to problems of acute craniocerebral traumas, March 28-29, 1962.
- Table of contents translated
- Lebedev, V. V., Isakov, I. U. V. - Some problems of diagnosis and surgical treatment of acute craniocerebral traumas based on materials of the Sklifosovskii Institute. p. 5.
- Bryuk, V. E. - Treatment of patients with acute craniocerebral traumas. p. 12.
- Lebedev, V. V. - Acute traumatic epidural hematoma. p. 21.
- Irgov, I. M. - Pathogenesis, differential diagnostic symptoms and treatment of various types of intracranial hemorrhages of traumatic etiology. p. 27.
- Chebotareva, N. M., Slovnikov, B. I., Kuznetsov, D. I. - Characteristics of pathophysiological shifts during an experimental operation for the removal of an intracerebral hematoma using certain types of anesthesia. p. 35.
- Chetverushkin, B. V., Rumiantsev, V. B. - Comparative course of the operative period in patients during surgery for an acute craniocerebral trauma under various types of anesthesia. p. 44.
- Lotsman, L. A. - Clinical characteristics of craniocerebral traumas with fractures of the skull. p. 47.
- Lebedev, V. V., Ioffe, I. U. S., Chetverushkin, B. V. - Treatment of skull traumas accompanied by injuries of the venous sinuses of the dura mater. p. 54.
- Lokshina, E. S. - Pathogenetic characteristics of contusions of the brain. p. 58.
- Zhuchenko, D. G., Naumenko, V. I. - Clinical aspects of craniocerebral traumas with preponderant lesions in the chiasmatic diencephalic region. p. 69.
- Bellaev, N. S. - Primary and secondary atrophy of the defects of the skull bones and the dura mater. p. 77.
- Isakov, I. U. V. - Tracheostomy in some forms of pathologic respiration in patients with serious craniocerebral traumas. p. 83.
- Bova, E. A. - Changes in arterial pressure in patients during the acute period of craniocerebral traumas. p. 90.
- Bashirov, S. M., Ushakov, V. V. - Results of fractures of the skull in children. p. 94.
- Lebedev, V. V., Isakov, I. U. V. - Cases in the blood in pathology of central respiratory regulation in patients with serious craniocerebral traumas. p. 99.
- Loibzon, N. D., Kozyrev, V. A. - Saturation of arterial and venous blood with oxygen in closed acute craniocerebral traumas. p. 104.
- Ostrovskaya, I. M. - Emergency carotid angiography in closed craniocerebral traumas. p. 110.
- Shlykov, A. A., Shcherbakova, E. A. - Role of aortography in early topical diagnosis of intracranial hematomas during the acute period of craniocerebral traumas. p. 113.
- Rumiantsev, V. B., Chetverushkin, B. V., Ioffe, I. U. S. - Anesthesia in carrying out cerebral angiography in patients with acute craniocerebral traumas. p. 122.
- Gorenshchik, D. A. - Serious craniocerebral trauma combined with injuries of the trunk and the extremities. p. 127.
- Gotovisev, P. I. - Late sequelae of closed craniocerebral traumas in athletes. p. 133.
- Bganisev, N. I. - Thromboembolisms of the pulmonary artery in a craniocerebral trauma. p. 140.
- Isakov, I. U. V., Vichitomova-Osipenkova, T. K. - Drainage of the respiratory tract through tracheostomy in disorders of its patency in the lower sections. p. 145.
- Golovanov, V. D., Tkacheva, M. E. - Our method of primary alloplasty for defects of the skull. p. 151.
- Vichitomova-Osipenkova, T. K., Bellaev, N. S. - Closing the defects of the skull and the dura mater. p. 154.
- Burichenko, A. S. - Diagnosis, clinical aspects, and treatment of subdural hematomas in an acute serious craniocerebral trauma. p. 158.
- TSydzik, N. P. - Radiographic evaluation of post-traumatic cystic cavities of the brain. p. 166.
- (DNLM)
- Vol. 9, 1963.
- Table of contents translated.
- Petrov, B. A. - Emergency and planned surgery in elderly patients. p. 6.
- Smol'tsannikov, A. V., Naddachina, T. A., Pormakov, N. K. - Clinical anatomical characteristics of acute surgical diseases of the abdominal cavity in elderly persons, based on materials of the Sklifosovskii Institute. p. 13.
- Arapov, D. A., Ivanovskaya, E. M. - Characteristics of the course of acute appendicitis in elderly persons. p. 20.
- Bocharov, A. A. - Surgical treatment of elderly persons with acute diseases of abdominal organs. p. 25.
- Kudrinskaya, N. K., Titov, V. K. - Emergency surgery in elderly and senile persons based on materials of the Sverdlovsk Surgical Clinic for 10 years. p. 30.
- Vinogradova, O. I., Fidius, E. I. - Strangulated hernia in elderly persons. p. 38.
- Kozlinskii, N. I. - Perforation of gastric and duodenal ulcer in elderly persons. p. 44.
- Bugalo, A. A., Red'ko, S. M. - Acute cholecystitis in elderly and senile persons. p. 51.
- Popov, E. N. - Acute cholecystitis in elderly persons. p. 60.
- Petrov, P. N. - Cholecystostomy in acute cholecystitis in elderly persons. p. 71.
- Malligina, T. A. - Treatment of acute biliary peritonitis in aged persons. p. 78.
- Guasikova, F. N. - Immediate outcomes of surgical treatment of acute cholecystitis in elderly and senile persons. p. 82.
- Butorina, I. V. - Course of cholecystitis in senile persons. p. 90.
- Galina, N. S. - Complications following appendectomy for acute appendicitis in elderly persons. p. 94.

- Kanterman, I. L. - Surgeon's tactics in surgical diseases in elderly persons with diabetes. p. 99
- Loskutova, E. V. - Strangulated intestinal obstruction in elderly persons. p. 103.
- Meshkova, V. N. - Selection of the method of surgical intervention in sigmoid gangrene in elderly and senile patients. p. 111.
- Koptsovskaia, L. S. - Obstructive intestinal obstruction caused by cancer of the rectum in elderly persons. p. 119.
- Gai Vil, L. I. - Outcomes of acute surgical diseases of the abdominal cavity in elderly persons. p. 125.
- Pokrovskii, G. A. - Traumatic shock in elderly persons. p. 132.
- Ukhanova, N. V. - Characteristics of traumatic shock in elderly persons. p. 137.
- Dzantsev, N. I. - Thromboembolism of the pulmonary artery in elderly persons. p. 141.
- Glabokovskaya, V. M. - Results of surgical treatment of thromboembolism of mesenteric and main vessels in elderly persons. p. 146.
- Arapov, D. A., Lokshina, E. S. - Corticovisceral correlations in the acute period of gastric ulcer in elderly persons. p. 151.
- Androsov, P. I. - Mechanical suture made by means of suturing apparatus in surgical operations on elderly patients. p. 161.
- Zhilits, B. G., Fainbrun, O. D., Filsov, A. A. - Anesthesia in emergency surgery on senile persons. p. 170.
- Damir, E. A., and others. - Characteristics of anesthesia in emergency surgical interventions. p. 175.
- Sokolov, I. I., Chelverushkin, B. V. - Characteristics of preanesthesia preparation, anesthesia and post-anesthesia period in surgical treatment of osseous trauma in elderly and senile patients. p. 181.
- Beliaev, A. A., Shilonskaya, A. I. - Cerebrospinal anesthesia in emergency surgery. p. 189.
- Kolitskaya, O. D., Borisov, V. G. - Anesthesia in surgery on elderly persons. p. 193.
- Gaidzor, I. U. S., Putlevskaya, T. S. - Selection of anesthesia in surgery on perforating wounds of the thoracic and abdominal cavities. p. 197.
- Rumintsev, V. B. - Anesthesia in surgery on peptic ulcer of the stomach and duodenum and its complications in elderly and senile patients. p. 202.
- Eraheva, I. N. - Basis for selecting the method of anesthesia in surgery on gastroduodenal hemorrhages. p. 208.
- Lazareva, K. N. - Regional muscle relaxation in surgery on the extremities. p. 210.
- Eraheva, I. N., Rumintseva, V. V. - Pulmonary complications in patients with acute surgical diseases of organs of the abdominal cavity under various methods of anesthesia. p. 214.
- Zil'ber, A. P. - Modern methods of anesthesia in surgery on senile persons. p. 218.
- Lebedev, V. V., Zhilits, B. G., Chelverushkin, B. V. - Anesthesia in surgery on craniocerebral traumas. p. 222.
- Dogomolov, S. A. - Combined endotracheal anesthesia in emergency surgical aid. p. 226.
- Lukin-Butenko, G. A., and others. - Prevention and treatment of vomiting and regurgitation of the contents of the stomach in anesthesia in emergency surgery. p. 233.
- Eilvants, N. I. - Selection of anesthesia for senile persons. p. 240.
- Platonova, Z. V. - Regurgitation and vomiting during anesthesia under conditions of emergency surgery. p. 245.
- Ambat'ello, G. P., and others. - Methods and some results of the use of anesthesia for the prevention and treatment of traumatic shock under work conditions of the antishock teams of the first medical aid station of the city of Moscow. p. 249.
- Doroschuk, V. P. - Problem of the physiological effect of artificial respiration. p. 255.
- Chakhunashvili, S. I. U., Shakarishvili, M. N. - Acute appendicitis in elderly and senile persons. p. 271.
- Discussions at the session. p. 278. (DNLM)
- MOSCOW. TSENTRAL'NYI INSTITUT USOVERSHENSTVOVANIYA VRACHEI. Tudy [CENTRAL INSTITUTE FOR POSTGRADUATE TRAINING OF PHYSICIANS. Transactions]. Vol. 71, 1994. Radiolabels in experimental and clinical medicine.
- Table of contents translated:
- Modestov, V. K., Sivozhenskii, D. S. - Training specialists in the use of radiolabels in experimental and clinical medicine in the Department of Medical Radiology. p. 3.
- Modestov, V. K., Kozyreva, A. L. - Method of orienting determination of the acidity of gastric juice without intubation. p. 10.
- Voitchal, B. E., and others. - Clinical and radiological parallels in the diagnosis of cardiac and pulmonary pathology by the use of radioactive sodium ( $Na^{24}$ ). p. 17.
- Voitchal, B. E., and others. - Study of central hemodynamics by the method of selective quantitative radionuclide angiography with the aid of radioactive krypton ( $Kr^{85}$ ). p. 35.
- Modestov, V. K., Kolesnikov, B. P. - Preparation of an air-xenon mixture for the study of the residual volume of air in the lungs. p. 51.
- Modestov, V. K., Tsygankov, A. T. - Use of  $I^{132}$  in the study of the functional state of the thyroid gland. p. 56.
- Modestov, V. K., and others. - Determination of the function of the thyroid gland by the accumulation of tagged triiodothyronine in the erythrocytes. p. 61.
- Mitashova, N. I., Kozyreva, A. L. - Study of the functional state of the thyroid gland in erythremia. p. 70.
- Mirzaev, Kh. Kh. - Diagnosis of cancer of the cardiac section of the stomach with the aid of radioactive phosphorus ( $P^{32}$ ). p. 73.
- Duskaev, D. - Absorption of  $I^{131}$ -tagged fat in patients with adenomas of the pancreas. p. 78.
- Logvinova, R. V. - Direct and indirect methods of a radiological study in differential diagnosis of tumors of the kidneys. p. 83.
- Kozyreva, A. L., Nesterova, A. A. - Treatment of polycythemia with radioactive phosphorus and the sexual functions of the female organism. p. 94.
- Nesterova, A. A. - Use of radioactive phosphorus in the diagnosis of diseases of the cervix uteri. p. 100.
- Krasnov, M. K., and others. - Results of three year's use of radioactive isotopes in the diagnosis of intracranial tumors. p. 107.
- Krasnov, M. L., and others. - Results of radiolabelled diagnosis of tumors of the orbit. p. 113.
- Kozyreva, A. L. - Blood protein fractions in thyrotoxicosis, myeloma, erythremia and their treatment with isotopes. p. 119.
- Kozyreva, A. L., Shcherbak, I. U. F., Dashevskii, I. U. A. - Study of transaminases and 17-hydroxy-corticosteroids in the urine of patients with erythremia treated with radioactive phosphorus. p. 126.
- Chernysheva, N. N. - Comprehensive method of studies in the diagnosis of erythremia and secondary erythrocytosis. p. 132.
- Chernysheva, N. N. - Measuring the mass of circulating erythrocytes and the volume of blood with the aid of radioactive chromium in differential diagnosis of erythremia and secondary erythrocytosis. p. 140.
- Dederer, I. U. M. - Measuring the volume of circulating blood in strangulated intestinal obstruction in an experiment. p. 146.
- Kozyreva, A. L. - Radioactive iron  $Fe^{59}$ . p. 156.
- Markelova, V. F. - Dynamics of the distribution of  $C^{14}$ -tagged aspartic acid throughout the organs and tissues of rats. p. 163.
- Rakova, V. A. - Distribution of colloidal zincophosphate solutions of various dispersion degrees in the animal organism. p. 170.
- Kozyreva, A. L., Nikitina, R. G. - Study of the liver by the use of  $I^{131}$ -tagged rose bengal in erythremia. p. 180.
- Nikitina, R. G. - Study of the distribution of intravenously administered  $I^{131}$ -tagged rose bengal and colloid radioactive gold  $Au^{198}$  by the method of autoradiography. p. 186.
- Markin, S. P., Nikitina, R. G. - Preliminary report on the results of the study of the functional state of the liver with the aid of  $I^{131}$ -tagged rose bengal in surgical patients. p. 189.
- Modestov, V. K., Sokolov, A. B. - Distribution of excretion of  $C^{14}$ -tagged nicotinic acid in rats. p. 194.
- Zhdanov, V. M., and others. - Study of the recombination phenomenon in influenza viruses with the aid of radioactive isotopes. p. 201.
- Sorochenko, I. A. I., Shcherbak, I. U. F. - Determination of capillary permeability by the method of radioactive indication. p. 206.
- Mitashova, N. I., Sokolov, A. B. - Permeability of the hematoencephalic barrier and the distribution of  $K^{42}$  in the organs of rats in hypervitaminosis-A. p. 212.
- Mitashova, N. I. - Disorders in the permeability of the hematoencephalic barrier  $P^{32}$  in rats in hypervitaminosis-A. p. 221.
- Tatsilevskii, V. A. - Study of the permeability of the histohematic barriers in the progeny of animals which have recovered from acute radiation disease. p. 226.
- Kozyreva, A. L., Maritsishevskaya, R. L. - Treatment of hemorrhagic thrombocytopenia with radioactive phosphorus. p. 234.
- Krasnov, M. L., and others. - Case of successful use of ytrium beta-applicator in epibulbar melanoblastoma. p. 239.
- Enikeev, M. I. - Working conditions of laboratory personnel employing radioactive iodine- $I^{131}$ . p. 243. (DNLM)
- PROBLEMY ENDOKRINOLOGII I GORMONOTERAPII [PROBLEMS OF ENDOCRINOLOGY AND HORMONE THERAPY]. Issued by Ministerstvo zdorovokkianeniia SSSR [Ministry of Health of the U S S R]. Moscow, vol. 10, no. 4, July-Aug. 1964.
- Table of contents translated
- Eskin, I. A., Konopatskaya, V. M., Mikhlinova, N. V. - ACTH content in the blood of patients with Itsenko-Cushing syndrome. p. 3.
- Savchenko, O. M., Stepanov, G. S. - Gonadotropins, estrogens and pregnandiol in the normal menstrual cycle. p. 7.
- Lieberman, L. L., and others. - Mechanism of depressed sexual development in women with congenital virilizing adrenocortical hyperplasia. p. 13.
- Golubeva, I. G., Kuur, A. L. - Testicular feminization syndrome as a form of male pseudohermaphroditism. p. 17.
- Astrug, A. Kh. - Studies on the electrolyte metabolism in diabetes mellitus and some of its complications. p. 22.
- Lataish, L. P., Shul'man, D. R. - Changes in the dominating rhythm of EEG in malignant exophthalmos and their correlation with the function of the thyroid gland. p. 26.
- Tan Von'-ch'zhan [T'ang Wen-chang]. - Functional state of the stomach in thyrotoxicosis. p. 33.
- Egorova, E. M. - Blood protein electrophoresis in diabetes mellitus. p. 41.
- Iurim, E. A. - Energy metabolism and tissue composition in thyroid diseases. p. 45.
- Ivanova, N. A. - Vectorcardiographic changes in thyrotoxicosis. p. 50.
- H'ich, O. B. - Respiratory arrhythmia in thyrotoxicosis. p. 54.
- Troitskaya, V. D. - Treatment of Recklinghausen's disease by removing parathyroid adenoma. p. 59.
- Lolansovskaya, L. I., Balen, S. A. - Xanthomatosis. p. 62.
- Moskovich, E. G. - Prolonged remission of diabetes mellitus and polyneuritis. p. 66.
- Gershman, B. M., Tverdyntsi, M. E. - Acute adrenocortical following excision of a giant cyst of the adrenal gland and an adrenocortical cyst of the small intestine. p. 68.
- Ben'kovich, I. L. - Adiposogenital dystrophy and diabetes insipidus following cerebrocranial injury. p. 70.
- Komarov, T. F., Tendler, D. S., Sokolova, E. V. - Results of the determination of protein-bound iodine in the blood of man and of various types of animals. p. 72.
- Larina, M. A. - Reaction of adrenals in rabbits with experimental thyroidin toxicosis to the intravenous introduction of ACTH. p. 76.
- Balitskii, K. P., Umanekii, I. U. A., Pridaiko, O. E. - Effect of cortisone on the intracutaneous antitumor immunity. p. 82.
- Davtina, N. K. - Effect of some hormonal factors on the lipolytic activity of the adipose tissue and on the serum content of non-esterified (free) higher fatty acids under normal conditions and in alloxan diabetes. p. 84.
- Shubnikova, E. A., Chumakova, L. P. - Histochemical changes in submaxillary glands of rats in alloxan diabetes. p. 89.
- Maksimov, S. V., Sharkevich, I. N. - Development of alimentary hypercholesterolemia in normal and castrated animals of various ages. p. 94.
- Chuiakov, V. D. - Methodology for complete pancreatotomy in rats, production of a model of diabetes mellitus in rats. p. 101.
- Shvalko, I. I. - Stand for the fixation of rats on a gamma-counter for the determination of the thyroid adsorption of radioactive iodine. p. 104.
- Shadrin, B. P. - Thyrectomy in mice. p. 106.
- Komissarenko, V. P., Zak, K. P. - Substances blocking the function of the adrenal cortex. p. 108.
- Nikulina, V. A. - Visceropathic forms of hyperparathyroidism. p. 118.
- In memory of Professor I. A. M. Kabak. p. 127.
- Vol. 10, no. 5, Sep.-Oct. 1964.
- Table of contents translated.
- Mordukovskaya, N. M. - Compound therapy of diabetes mellitus with sulfonamides and insulin. p. 3.
- Balen, S. A., Basedina, E. M. - Use of celamphen in hypercholesterolemia in diabetes. p. 7.
- Sideraite, S., Kibarkas, H. - Clinical aspects and treatment of myocardial infarction in diabetes. p. 10.
- Zhukov, N. A. - Intrinsular pericapillary fibrosis and its role in functional disorders of the insular apparatus of the pancreas in elderly and senile persons. p. 13.
- Klemashev, I. S. - Arteriographic data on some characteristics of arteriosclerosis of lower extremities in diabetes mellitus. p. 17.
- Abramova, A. A. - Diabetic angiopathy, pathomorphological data. p. 20.
- Kaluzhenko, R. K., Kudriavtsov, G. V. - Diabetic osteoarthropathy. p. 25.

- Mirkhodzhayev, A. Kh., Muratkhodzhaev, N. K. - Comparative evaluation of some radioiodine tests used in the diagnosis of thyroid diseases. p. 28.
- Zlatkina, A. R., Zhigalov, V. P. - Some indices of lipid metabolism in thyrotoxicosis. p. 33.
- Kovalov, M. M., and others. - Pre- and postoperative oxidation-reduction processes in nodular endemic goiter. p. 37.
- Dobrzhan'skaya, A. K. - Neurologic therapy of mental disorders in endocrine diseases. p. 41.
- Borish, P. M. - Late results of treating thyrotoxicosis with 6-methylthiourea and the state of the cardiovascular system. p. 48.
- Balashov, V. N., Ignashkina, M. S. - Lymphatic system of the parathyroid glands in man. p. 52.
- Golubeva, I. V. - Histological structure of the ovaries in adrenogenital syndrome. p. 55.
- Percepust, L. A. - Role of X-ray examination of the adrenal glands in Itsenko-Cushing syndrome, diencephalic syndrome, following the course of Itsenko-Cushing syndrome and adrenocortical syndrome. p. 58.
- Miaškova, T. V. - Pheochromocytoma. p. 62.
- Udov, V. M., Nabok, M. F., Tupol'nitskaya, S. I. U. - Case of Recklinghausen's disease associated with a forth degree mixed goiter complicated by multiple fractures. p. 64.
- Truten', N. I. - Hashimoto's struma lymphomatosa in a male. p. 65.
- Sakhatskaya, T. S. - Biosynthesis of corticosteroids by adrenal glands of rat embryos. p. 67.
- Lchedev, K. A. - Effect of cortisone on the development of late reactions in fatally irradiated rats treated with homologous bone marrow. p. 70.
- Skebel'skaya, I. B. - Content of adrenocorticotrophic hormone in the pituitary body of rats in various stages of embryonic development. p. 74.
- Lipshits, R. U. - Effect of ACTH, cortisone and somatotrophic hormone on vascular permeability and leucocyte migration under the effect of adenine nucleotides. p. 78.
- Bozhko, G. Kh. - Effect of insulin on the exchange of nucleic acid phosphorus in the rat brain. p. 82.
- Pronina, N. N., Gabanova, I. Kh., Mkhitarova, G. B. - Extrarenal effect of antidiuretic hormone. p. 85.
- Voitovich, A. A. - Formation of a growing regenerating part of the thyroid gland. p. 89.
- Kovrizhko, N. M. - Effect of some toxic irritants on hormonopoiesis in chromaffin organs. p. 94.
- Tsarikovskaya, N. G. - Thyroid gland and pregnancy, a review of literature. p. 99.
- Rozen, V. B. - Interaction of steroid hormones and plasma proteins. p. 107.
- Kolesnikov, G. F., and others. - Characteristics of the clinical aspects in the course of Bornholm disease caused by Coxsackie virus B3. p. 52.
- Karetskii, L. A. - Late results of treating pulmonary tuberculosis patients with extrapleural pneumothorax. p. 57.
- Epshteyn, T. V. - Indications to surgical treatment of tuberculosis patients with pulmonary hemorrhages and recurrent hemoptysis. p. 61.
- Smirnov, G. A. - Significance of the inactivation of preparations of isonicotinic acid hydrazide in the compound treatment of pulmonary tuberculosis. p. 64.
- Kolomitskaya, L. A. - Treatment of pulmonary adenomatosis. p. 71.
- Smolenskii, G. A., Marmolevskaya, G. S. - Clotting pneumonia and agranulocytosis. p. 74.
- Mal'tsev, I. T., Mel'nik, A. N., Voronina, N. A. - Treatment of chronic nonspecific pneumonia and bronchial asthma with aerosol inhalations. p. 78.
- Zhuravlev, V. A. - Cavernous transformation of the portal vein. p. 79.
- Astrinskii, S. D. - Prevention and treatment of hemorrhages in the placental and early postnatal period. p. 83.
- Prodolobov, N. V. - Characteristics of the course of Botkin's disease in ophthalmosclerosis. p. 87.
- Kulik, D. M. - Complications in intralabial inoculations. p. 89.
- Gamva, V. - Clinical aspects of toxic dystrophy of the liver in Botkin's disease in gravidas; based on materials of the infectious diseases hospital in Ulan-Bator. p. 93.
- Feofilov, G. L., Antonov, O. S., Bogatina, E. D. - Cinebronchography in diseases of the lungs. p. 96.
- Karlov, V. A. - Deep facial neuralgia. p. 99.
- Danilova, B. S., and others. - Use of nitrous oxide for the prevention and treatment of traumatic shock under conditions of first aid. p. 104.
- Leonovich, A. L. - Difficulties and errors in the diagnosis of multiple sclerosis. p. 108.
- Levatov, V. M. - Some principles of the medicinal treatment of epilepsy. p. 112.
- Mendelson, M. M., Melik, A. M. - Use of an artificial kidney in uremia following poisoning with isomyl alcohol. p. 116.
- Khenov, R. A., Moldover, T. D. - New method of hysterosalpingography. p. 118.
- Zavoronkov, A. A. - Expediency of using heparin in poisoning with snake venom. p. 121.
- Idarmachev, A. M. - Dynamics in uropesin excretion in toxic forms of acute gastrointestinal diseases in infants. p. 125.
- Plotnikov, N. N., and others. - Use of tepal (thymol ester of palmitic acid) in echinococcosis in man. p. 129.
- Vasil'eva, O. M. - Diverticula of the duodenum; a review of literature. p. 137.
- Zavialov, V. V. - Role of dispensary service for surgical patients in the reduction of lethality in strangulated hernia. p. 142.
- Brief information. p. 145.
- Darbinian, T. M., Treshchinskii, A. I., Uvarov, B. S. - Theoretical fundamentals and prospects in the development of anesthesiology. p. 148.
- Khalilov, E. Sh., Itsenko, K. S., Khampiev, A. Kh. - Mathematical evaluation of the prognosis in patients with myocardial infarct. p. 151.
- SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 24, no. 6, 1965.
- Table of contents translated:
- Grigor'eva, N. N. - Some problems of the education of medical personnel. p. 6.
- Lisitsyn, I. P. - Theory of factors in public health. p. 11.
- Mikhailovskaya, T. A. - Solution of D. Hartley's psychophysiological problem. p. 18.
- Kochergin, I. G. - Basic problems of the theory of Soviet medicine and public health service in the works of N. A. Semashko. p. 24.
- Matushin, I. F., and others. - Sanitary education at the present stage. p. 30.
- Karmanova, E. G., Sokolov, I. S. - N. A. Semashko and sanitary education. p. 34.
- Drobnits, B. Ia. - Sanitary education in a village. p. 39.
- Riabushkin, N. V. - Present-day theology and medicine. p. 41.
- Kovrizhina, M. D. - Improve the system of advanced training of physicians. p. 45.
- Morozov, A. N. - Medical libraries of the Soviet Union. p. 51.
- Kazbekov, E. S. - Prevention of occupational traumatism in the Balkhash Copper Smelting Plant. p. 54.
- Kotel'nikova, M. P. - Results of a study of the contingency of persons without a temporary loss of their working capacity due to illness. p. 57.
- Kakiyash, P. I. - Role of museums in communist education of the working people. p. 60.
- Sycheva, V. E. - First Soviets of the Kazan'skaya Blatn and the preservation of the health of workers. p. 62.
- Memorable and anniversary dates of the history of medicine for 1965. p. 67.
- Alekseyev, O. A., Burnashev, E. U. - Problems of health and public health service in newly developing countries. p. 69.
- Marinov, Z. V., Luth, M. S. - Training of physicians in the U.S.S.R. p. 75.
- Rel'yanskii, D. I. - Smoking and health. p. 78.
- Maevskii, V. I. - Cooperation among scientists of socialist countries in Soviet medical periodical literature, survey of medical journals published in 1964. p. 81.
- Ratkman, E. M. - A. I. U. Dunaevskii (1896-1963). p. 89.
- Zavadovskii, A. I. - Conference on problems of medical geography in Lvov. p. 90.
- Vasil'ev, K. G. - Conference of historians of medicine and public health service of the Latvian S.S.R. p. 91.
- Riabov, G. Z. - Moscow Scientific Medical-Historical Society in 1964. p. 92.
- SOVETSKOE ZDRAVOOKHRANENIE KIRGIZI [SOVIET HEALTH SERVICE OF KIRGHIZIA]. Issued by Ministerstvo zdravookhraneniia Kirgizskoi SSR [Ministry of Health of the Kirgiz S.S.R.]. Frunze, no. 2, May-Apr. 1965.
- SUDEBNO-MEDITSINSKAYA EKSPERTIZA [FORENSIC MEDICINE EXPERTISE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 3, no. 2, Apr.-June 1960.
- Table of contents translated:
- Prozorovskii, V. I., Kantor, E. I. - Organization of interprovincial medicolegal laboratories. p. 3.
- Mitkova, N. A. - Morphological difference between atelectasis of the lungs and pneumonia in suddenly deceased breast-fed children. p. 8.
- Shul'man-Satlin, D. B. - Microscopic picture of the lungs in stillborn infants. p. 17.
- Pokholan, N. I. - Difference between the true and the false corpora lutea in human ovaries, a histological study. p. 21.
- Vasil'ov, M. A. - Use of microspectroscopy in expert determination of minimal quantities of blood. p. 24.
- Masis, T. M., Brunnikov, M. A. - Determination of the isoenzymological groups of the P system in dried blood. Report No. 2. p. 28.
- Klein, M. V. - Dactyloscopy of cadavers in the absence of epidermis on the fingers. p. 33.
- Dolova, A. V. - Microcrystalloscopic detection of some barbituric acid derivatives in forensic chemical investigations. p. 37.
- Pogilko, N. I. - Diagnosis of protracted reactive psychoses in a specialized forensic psychiatric clinic. p. 40.
- Karandakov, I. B. - Characteristics of wounds inflicted by a spear gun used in underwater spearfishing. p. 50.
- Dmitriyev, I. D. - A so-called air excretion ring. p. 54.
- Tomilov, V. I., Vinogradova, V. S. - Case of prolonged preservation of the explosive properties of black gunpowder (misile exploded after 105 years). p. 58.
- Chulko, P. I. - Head injury inflicted by a homemade pistol barrel in firing a shot. p. 66.
- Arutunov, A. M. - Injuries inflicted by shots from a 20-millimeter flare pistol. p. 66.
- Shanidze, V. S., Mikeladze, A. L. - Review of I. I. Gromov and N. A. Mitina's book "Manual of medicolegal histology". p. 80.
- Professor Agnassan Mikhallovna Gamburg; on her 60th birthday and the 35th anniversary of her scientific and pedagogical activities. p. 82.
- P. S. Semenovskii; an obituary. p. 83.
- VESELINA [HEALTH]. Issued by Latvian SSR Veselības aizsardzības ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, nos. 8(85)-7(86), June-July 1965. [in Latvian]
- VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 30, no. 6, Nov.-Dec. 1964.
- Table of contents translated:
- Antonov, O. S., Kononov, E. D. - Clinical and X-ray picture of isolated stenosis of the pulmonary artery. p. 3.
- Kosharko, K. A. - Electrokardiographic examination of patients with defects of the interauricular septum. p. 7.
- Profis, A., Paevskii, M. - Fibroelastosis of the endocardium. p. 12.

- Vasil'eva, V. V., Lukin, K. M., Sergeev, P. V. - Study of coronary circulation in the combined use of contrast media and anticoagulants. p. 16
- Sokolov, I. U. N., Spishchik, P. A., Shetsluk, A. G. - Further clinical and roentgenologic studies in pulmonary cancer. p. 20
- Khanavich, N. I., Solov'eva, I. P. - Angiomerphological parallels in pulmonary cancer. p. 26
- Milnovskii, N. N., and others. - Mechanism of some complications in the use of contrast methods in X-ray examinations. p. 31
- Kuznetsov, I. D. - X-ray diagnosis of broncho- and enterogenic mediastinal cysts. p. 37
- Shatenko, Sh. - Some possibilities of the use of tomography in X-ray diagnosis of acute pneumonia. p. 43
- Petrov, V. I., Kiselev, S. I., Kolerova, N. V. - Some characteristics of clinical and X-ray symptomatology of cancer of the right and left halves of the large intestine. p. 49
- Kogon, A. I., Shkola, I. E. - Clinical and X-ray diagnosis of destructive appendicitis. p. 55
- Gorshkova, M. G. - Clinical importance of urokinography in the examination of the motor function of the urinary tract. p. 57
- Katanzan, A. N., Polova, A. V. - Method of calculating the absorbed doses of long-wave X-ray radiation. p. 60
- Zenger, Kh. - "Hena" X-ray chamber. p. 66
- Aliev, B. M., Rabkin, I. E. - Use of supplementary filters to decrease irradiation doses in ordinary radiography and some special methods of examination. p. 72
- Antonovich, V. B., Vlasov, P. V. - Latentoscope for the TUR-D-1000 X-ray apparatus. p. 75
- Perchagin, I. A., Sviridov, N. K., Tikhonov, K. B. - Second Hungarian Radiological Congress. p. 76
- Lapshinskaya, V., Vitkine, V. - Activities of the Republic Scientific Society of Roentgenologists and Radiologists of the Lithuanian S.S.R. in 1963. p. 83
- Bogdanov, I. N., Nosov, A. V., Bogdanova, N. G. - Activities of the Kirov Province Scientific Society of Roentgenologists and Radiologists. p. 84
- Vol. 40, no. 1, Jan.-Feb. 1965
- Table of contents translated
- Shik, I. A. - X-ray diagnosis of lobar and segmental abscesses in children. p. 3
- Bilun, E. B. - Significance of simultaneous tomography in differential diagnosis of the shadow of the thymus gland and of pathological processes in the mediastinum. p. 7
- Baklanova, V. P., Iilipkin, M. A. - Clinical roentgenologic variations of megaduodenum in children. p. 12
- Postnoi, V. M. - Diagnostic value of pneumoconography of the large intestine in the case of invaginations in children. p. 15
- Roshal', I. M. - Clinical roentgenological diagnosis of acute intestinal invagination in children. p. 20
- Antonovich, V. B. - Combination of hernia of the esophageal hiatus and cancer of the superior portion of the stomach. p. 24
- Fridman, E. G., Onuev, T. E. - New data on the function of a resected stomach. p. 30
- Kuchinskii, G. A., Marinkikh, E. B. - Resolving power of contrast examination of the inferior vena cava in tumors of the retroperitoneal space. p. 37
- Luk'ianenko, B. I. A., Raevskii, I. G. - Significance of lymphography in some malignant diseases of the lymphatic system. p. 38
- Perelman, V. M. - Precipitation pneumocystography in the X-ray diagnosis of tumors of the urinary bladder. p. 41
- Rubasheva, A. E., Burkovskaya, A. P. - Cystoconia. p. 46
- Nalyn, L., Kaminskaya, A., Varanovskaya, I. P. - Use of electroconography in medicine. p. 51
- Podlaskov, E. L., Khramtsova, G. G. - Methodology for X-ray therapy of chronic inflammatory diseases of the accessory sinuses of the nose. p. 55
- Khomakov, I. U. S., Pradkina, E. B. - Possibility of X-ray examination and detection of air in the pleural cavity in the presence of fluid in it, study on a phantom. p. 60
- Gurskii, N. P., Mikhlin, P. L. - Case of aneurysmal vascular dilatation in the lungs. p. 61
- Altanova, I. N., Uvarova, O. A. - Case of an atypical form of metastases in hyponephroma. p. 62
- Brusilovskii, E. A. - Combination of esophageal cancer and syphilitic lesion of the bones. p. 64
- Lanin, A. N. - Pinpoint of gastric polyps into the duodenum. p. 65
- Pallichuk, N. I. U. - Necheporenko, V. P. - Cancer of the stomach accompanied with the development of multiple carcinomatosis of the lungs in conjunction with military tuberculosis of the lungs. p. 66
- Zhmucl', L. B., Zolotareva, V. S. - Case of multiple hemangioendothelioma of the mediastinum and the bones of the lower extremities. p. 67
- Gorbytev, M. N. - Aseptic subchondral necrosis of a corpus vertebrae. p. 69
- Faizulin, A. M. - X-ray diagnosis of adenoids. p. 70
- Filchenova, T. A. - Case of fungoid mycosis of the lungs and skin in an infant. p. 71
- Vol. 40, no. 2, Mar.-Apr. 1965
- Table of contents translated
- Khan, F. M., Klimova, M. K. - Aneurysmal cysts of the bones. p. 3
- Shapoherskii, V. I. A., Menzhinskaya, G. V. - Parosteal chondromas. p. 9
- Tiger, I. L., Merkulova, N. V., Tseshevskii, M. S. - Nature of reparative processes in the bones of patients with myeloma treated with sarcolysine. p. 13
- Khomakov, I. U. S. - Construction of the joint fissures in infectious nonspecific polyarthritis. p. 17
- Litavovskaya, G. A., Spasskaya, P. A. - Complications of corticosteroid therapy. p. 20
- Kuznetsov, T. A. - Importance of diaphragmed photographs in X-ray diagnosis of bone diseases. p. 23
- Shola, F. M. - Study of the pathological changes in the soft tissues in the X-ray image. p. 27
- Lindenblatt, L. D., Pinkhovich, L. G., Khadzhiev, M. A. - Effect of pharmacological preparations on the motor function of the gastrointestinal tract; a survey. p. 31
- Shupkin, V. S. - Lobes and segments of the liver and the intraorganic architecture of the vessels and ducts. p. 36
- Kaprazov, M., Baldzhinski, A., Ianev, S. - X-ray image of neoplastic formations in the stomach with umbilication or central decomposition. p. 41
- Protopopov, A. N., Popov, I. U. A. - Bilateral single-stage bronchography in children. p. 44
- Lavrenko, V. D., Sarnetskaia, S. I. A., Gligorova, N. V. - Late changes in the urinary bladder following irradiation therapy for cancer of the cervix uteri. p. 47
- Pinchovskii, E. G. - X-ray archives in a therapeutic institution of the dispensary type. p. 52
- Kromauz, A. N. - Auxiliary protective devices in diagnostic X-ray apparatuses. p. 53
- Gavin, A. G., Pyl'tsov, I. M. - Device for a large-photographic fluorograph used in the examination of the skull, accessory nasal sinuses and the spine. p. 57
- Romanova, M. S. - Changes in the extremity locomotor apparatus of adult inhabitant of the Amur Valley with the Kaschin-Beck disease. p. 59
- Khadzhiev, G., Velichkov, L., Elenkov, P. - Atrial familial osteolysis. p. 60
- Nakhmiev, D. Sh. - Case of an angiosarcoma of the radius. p. 61
- Zueva, N. N. - Case of metastases of pheochromocytoma in the bones. p. 62
- Shkola, I. E., Dorogan', D. A. - Foramina parietalia primigenia in an adult man. p. 63
- Feigin, M. I. - Fractures of the first rib. p. 64
- Portnoi, L. M., Mindlin, S. S. - X-ray diagnosis of a tumorlike form of tuberculosis of the small intestine. p. 64
- Shulayev, Z. A. - X-ray examination of early and late complications following radical operations in pulmonary tuberculosis. p. 67
- Perts, R. G. - Clinical importance of the state of the esophagus in deformities of the spine of tuberculous etiology. p. 69
- Belozorov, V. M. - Giant coprolite in the megacolon of a three-year-old child. p. 70
- TSvetkov, V. L. - Method of an accurate localization of foreign bodies in the eye. p. 71
- Moskacheva, K. A. - Session of pediatric roentgenologists of Europe held in Paris at the International Children's Center in May 1964. p. 76
- Fanardzhian, V. A., Peneslan, V. M. - Gracchi Markosovich Sagetelian, on his 60th birthday. p. 77
- Mamaev, M. M. - On the 60th birthday and 35th anniversary of medical practice of S. G. Alekberov, the Honored Physician of the Dagestan A.S.S.R. p. 78
- Mark Izrael'evich Shor, an obituary. p. 78
- VRACHEBNOE DELO [MEDICAL PRACTICE]. Organ of Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, no. 5, May 1965
- Table of contents translated:
- Petrov, M. M. - Diagnosis of the insufficiency of aortic valves with the aid of some methodological studies. p. 3
- Kochubailo, A. S. - Pathology of the fibrous cardiac rings in endocarditis and defects of the valves. p. 9
- Aizenberg, A. A., Grishuk, A. I. - Coagulating and anticoagulating systems of the blood in rheumatic fever. p. 14
- Shakhmurov, A. B., Laksiova, O. V. - Laboratory, biochemical and immunological indicators in the diagnosis of the activity of the rheumatic process. p. 20
- Balsevich, A. A. - Determination of the C-reactive protein, protein fractions and mucoproteins of the blood serum in the detection of the activity of the rheumatic process. p. 24
- Lutskiy, V. N. - Clinical diagnostic importance of the C-reactive protein test. p. 27
- Petrov, E. D. - X-ray data in the pyogenic form of candidiasis in patients with pulmonary tuberculosis. p. 31
- Zanor'dia, H. S., and others. - Treatment of hypertension with cinase. p. 36
- Kudryavtseva, L. F. - Method of graphic recording of subclinical reflexes. p. 40
- Lushchik, I. U. K. - Dynamics of the electric activity of the brain in hypertension. p. 43
- Khyatova, E. A., Romanovskaya, V. K. - Changes in the C-reactive protein, fibrinogen and transaminase in coronary insufficiency. p. 47
- Chazov, E. I., Mislukov, L. P., Zaitsev, V. F. - Interrelations between the indices of lipid and protein metabolism and factors of the anticoagulating system of the blood in patients with coronary atherosclerosis. p. 50
- Komarovskaya, I. A. M. - Use of thyroloid together with vitamins C, B<sub>6</sub> and B<sub>12</sub> in atherosclerosis of the cerebral blood vessels. p. 54
- Livshuk, P. M. - Function of the adrenal cortex in patient with heart defects and circulation insufficiency. p. 59
- Vashukov, V. V. - Starch and iodine tests as indices of the external secretory function of the pancreas. p. 62
- Kostin, F. F. - Regulation of the duodenal contents and its sequelae. p. 67
- Voloschuk, O. A. - Method and diagnostic value of the puncture biopsy of the liver. p. 70
- Bondarenko, I. A. D. - Gas composition of the blood in Bright's disease. p. 74
- Litvinenko, A. T., Tseklov, N. T. - Treatment of acute renal insufficiency with the aid of the hemodialytic operation using the artificial kidney following intoxication with nephrotoxic poisons. p. 78
- Iatsenka, A. Z. - Method of detecting neoplastic cells in circulating blood. p. 82
- Gligorova, Z. E. - Characteristics of the morphological structure of leukopoietic tissue of the bone marrow in acute leukemia according to data of a trepanation biopsy. p. 85
- Ganchina, I. E., Petrovskii, V. I. - Electro- and vector-cardiographic changes in patients with diencephalic syndromes. p. 89
- El'skii, V. N. - Permeability of the hematoencephalic barrier in an experimental traumatic shock. p. 93
- Nikonova, O. S. - Clinical aspects of primary echinococcosis of the cauda equina with secondary lesions of the lumbosacral vertebrae. p. 96
- Al'bova, E. V. - State of vitamin B<sub>12</sub> metabolism in some internal diseases. p. 99
- Lyudina, G. G. - Compensatory restorative hemopoietic processes in persons working for a long time with small doses of ionizing radiation. p. 103
- Shpinov, V. F. - Method of analyzing the incidence of the vibration disease. p. 107
- TSyrkunov, L. P. - Skin disease of agricultural workers of flax growing and beet growing regions. p. 110
- Pitukov, I. F., and others. - Study of influenza epidemiology at industrial enterprises during the inter-epidemic periods. p. 112
- Mikhailova, A. M., Iakimenko, T. M. - Gammastatic data concerning the state of the nervous system in persons after recovery from influenza. p. 115
- Rybnikova, L. N. - Carriage of viruses in influenza. p. 117
- Petrushin, L. M. - Functional state of the adrenal cortex and the sympathoadrenal system in Botkin's disease. p. 121
- Iuzefovich, E. K., Ivanov, F. I. - Diagnostic and prognostic importance of determining serum transaminases and aldolase in Botkin's disease. p. 124
- Faltel'berg, R. O. - Friendship between I. I. Mechnikov and I. M. Sechenov. p. 128
- Shkol'nik, M. L. - Results of dispensary service to the workers of the Dnepropetrovsk waterway junction. p. 131
- Iukova, B. I. - Plantagulin, an antiulcer preparation. p. 133
- Ogil', P. E., Markova, E. A. - Changes in the bioelectric activity of the cerebral cortex during operations on the liver. p. 134
- Fallenberg, V. L. - Treatment of lamblasis with acriche and syntomycin; based on materials of the therapeutic department of the sailors hospital of the port of Rost. p. 135
- Savina, P. N. - Treatment of bronchial asthma with prednisone. p. 136
- Murav'ev, M. P. - Effectiveness of compound therapy for patients with chronic nonspecific pulmonary processes. p. 137
- Todolov, A. D. - Acute pulmonary edema during treatment with butadiene. p. 139
- Ashbel', S. I., Arzlaeva, E. I. A. - Ascorbic acid as a therapy for patients with pneumosclerosis. p. 141

Epshtein, A. B. - Systemic coccidioidomycosis with a chronic relapsing course. p. 142.

Goncharenko, E. I., Dnasheren, T. S., Vachnadze, I. A. - Form, size and topography of the gallbladder in a horizontal supine position of the body. p. 144.

Bibik, N. F. - Determination of the drug sensitivity of *Mycobacterium tuberculosis* by the modified Petrus method with the autoblood of the patients. p. 145.

Volkov, A. N. - Method of determining blood sugar with the FEK-M photoelectrocolorimeter. p. 147.

Prikhod'ko, V. I. - Results of the administration of bee venom by electrophoresis in lumbar ischiatalgia. p. 148.

Babkin, P. S. - Variants of Mayer's and Leri's reflexes. p. 148.

Mel'nikova, M. P. - Electrocardiographic changes in patients with atherosclerotic psychoses treated with benzohexonium. p. 150.

Gelko, D. E. - Clinical and anatomical comparisons in parathyroid osteodystrophy. p. 151.

Detskiy, I. I., Pastushenko, L. F. - Rothmann-Makal syndrome. p. 152.

Vaschenko, M. A., Gorbovskaya, T. G. - Facial neuritis as a manifestation of infectious meningopolyradiculoneuritis. p. 153.

Grigor'eva, Z. A., Gurvits, L. M. - Comparative evaluation of the results of hexonium treatment of peptic ulcers. p. 155.

**ZDOROV'E [HEALTH].** Issued by Ministerstvo zdravookhraneniya SSSR i RSFSR [Ministry of Health of the U.S.S.R. and the R.S.F.S.R.]. Moscow, vol. 11, nos. 6(26)-7(27), June-July 1965.

**ZDRAVOOKHRANENIE [HEALTH SERVICE].** Organ of Ministerstvo zdravookhraneniya Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol. 8, no. 3, May-June 1965.

Table of contents translated:

Sharov, I. V. - Development of free blood donations in Moldavia. p. 3

Chernokan, V. F. - Incidence of disease with a temporary loss of working capacity among the medical personnel of some therapeutic institutions in Kishinev. p. 5

Barabash, M. A. - Reactogenicity of a live measles vaccine from strain L-18. p. 8

Rusnak, B. S., Berger, I. I. - Incidence of fluorosis. p. 13

Mel'nikhenko, V. N., Popushol, G. A., TSupa, P. I. - Late results of mitral commissurotomy and the role of the therapist on duty in a dispensary. p. 15

Cherkis, E. IU. - Leukemia in children. p. 18

Golovin, V. M. - Lesions of endocrine glands in acute hemocytoblastosis. p. 22

Taran, E. P. - Morphological changes in membranes of the brain in otogenous contact infection. p. 28

Mel'nikhenko, V. N. - Results of bacillin prophylaxis for recurrences of rheumatic fever. p. 30

Pasha, S. P. - Hypopituitarism after childbirth. p. 33

Mazin, V. V., Perel'man, V. M. - X-ray examination in tuberculosis of a single kidney. p. 37

Makoveit, K. I. - Effect of local anesthetics on the electroencephalogram of the isolated brain of a cat. p. 40

Frumtali, M. N. - Morphology of the nervous apparatus of the meniscus of the human knee joint. p. 44

Sheremetenko, E. L. - Compound treatment of gastric and duodenal ulcers by the use of blood transfusion. p. 47

Shneider, E. B., Erlikh, Kh. I. - Coronary insufficiency in rheumatic heart disease. p. 49

TSybulak, S. N. - Three cases of the infection of breast-fed children with epidemic hepatitis in the same family. p. 52

Gitaris, A. IA. - Successful surgery performed on a patient with gastric tetany. p. 53

Klobutskii, V. S. - Public health problems in the Bessarabian workers' press during the first years of the Romanian-boyar occupation. p. 59

Molokhov, A. N. - Religion, sectarianism and psychiatry. p. 61.

**ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION].** Issued by Ministerstvo zdravookhraneniya RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 9, no. 5, May 1965.

Table of contents translated:

Restolskii, I. B. - Soviet public health service in the years of the Great Patriotic War. p. 3

Mikhelkin, V. IA., Shadrina, R. M. - Causes of neglected cases of oncological diseases in the districts of Leningrad Province. p. 5

Sokolova, N. S. - Utilization of air transportation in rendering emergency medical aid. p. 10

Mokrousov, M. F., Smolovik, I. K., Trublin, N. T. - Results of the work of the Rostov Province Hospital in directing rural public health service. p. 12

Andronnikov, V. A. - Results of implementing sanitary education work in the prevention of zoonoses. p. 15

Tambovtsev, P. D. - Results of the work of the Leningrad urban methodological center for the prophylaxis and treatment of pneumonia in children. p. 18

Zenkova, Z. G., Deeva, E. M. - Computing the days of disability due to illness. p. 20

Men'shikov, IU. F. - Results of the study of the incidence of disease among the population of the Kola Peninsula. p. 21

Mandel', IA. M. - Organizational and methodological work of the main therapist of the Province Public Health Department. p. 23

Barats, S. S., Voltal', E. V. - Results of the work of daytime cardiological prevention at industrial enterprises. p. 26

Seidlinina, L. L., Koinushkina, O. G., Matovskii, I. M. - Incidence of disease among the medical workers of the medical and sanitation section of the Chelyabinsk Tractor Plant and the tasks in its reduction. p. 29

Bycheeva, Z. P., Goncharenko, V. P. - Results of teaching workers safe methods of working at the Ordzhonikidze Container Glassware and Insulator Plant. p. 30

Milunina, N. K. - Foam plastic mattresses for therapeutic institutions. p. 33

Fumenko, I. P. - Ways of improving the system of training physicians. p. 34

Tyshetskii, V. I. - Established coefficients as analytical indices. p. 38

Lodis, F. A. - Interprovince seminar of the organizers of public health service in the Far East and Siberia. p. 47

**\*ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOLOGII [JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOBIOLOGY].** Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 42, no. 1, Jan. 1965.

Table of contents translated

Efforts to improve public health. p. 3

Bulatova, T. I. - Antigenic properties of the protoxin of the type E *Clostridium botulinum*. p. 5

Kashintseva, N. S., Dzharvaya, I. K., Gil'gut, E. A. - Effectiveness of tetanus component in sorbed diphtheria and tetanus anatoxin. p. 10

Pilipenko, V. G., Shechekin, T. A., Polakova, A. M. - Immunobiological effectiveness of associated vaccine against plague, tularemia and brucellosis in various methods of its epicutaneous use. p. 14

Krasnoprosheina, L. I. - Effect of cortisone on the content of nucleic acids in the lymphoid tissue of rabbits immunized with typhoid fever vaccine. p. 21

Olgauri, V. S. - Protein function of the liver in sensitization. p. 27

Suponitskaya, V. M. - Bacterial factors of the blood serum. Report No. 2 Bactericidal properties of sera from animals infected with *Salmonella typhosa*. p. 31

Tashmukhamedov, F. R. - Effect of vitamin B<sub>12</sub> on immunogenesis in experimental immunization with tetanus anatoxin. p. 37

Sokolovskaya, G. G. - Role of phagocytosis in the pathogenesis of tetanus. p. 41

Shub, G. M. - Evaluation of some immunobiological indices in the use of nitrofurantoin preparations. Report No. 2: Effect of preparations of the nitrofurantoin series on the general immunological reactivity. p. 44

Kudazeva, E. N. - Vaccinal process in guinea pigs in simultaneous immunization with brucellosis and Q-rickettsiosis live vaccines. p. 47

Nakhimov, L. I., Kozhevnikova, T. P., Iablokova, T. B. - Effect of lasting storage in lyophilized state on the basic properties of the BCG vaccinal strain. p. 52

Aleksandrov, N. I., and others. - Immunogenicity of chemical anthrax vaccine in experiments on sheep. p. 57

Podsedlovskii, T. S., Paktoris, E. A. - Results of  $\gamma$ -globulin mass prophylaxis of epidemic hepatitis in the Lithuanian S.S.R. Report No. 2: Comparative data on the effectiveness of various doses and methods of  $\gamma$ -globulin prophylaxis of epidemic hepatitis. p. 61

Kazachenko, N. F. - Harmlessness of  $\gamma$ -globulin prepared from serum mixtures including solitary sera from infectious hepatitis patients and convalescents. p. 67

Kibardin, S. A., Nikolaeva, T. A. - Sorption chromatographic method of obtaining purified  $\gamma$ -globulin. p. 70

Samarokov, A. A. - Antigens of *Hemophilus pertussis*; a review. p. 72

Solodovnikov, IU. P. - Typhoid and paratyphoid infections abroad. Report No. 3: Some characteristics of the epidemiology of typhoid fever and paratyphoid fevers. p. 77

Kozlov, M. P., Ochiryan', G. - Scientific results of infection pathology in the Mongolian People's Republic, a review. p. 82

Genchikov, L. A. - Meningococcal meningitis in foreign countries, a review. p. 85

Elkin, I. I., Iashkul', V. K. - Problems of epidemiological geography. Report No. 3: Global nosological areas. p. 91

Anatoliy, S. A., and others. - Significance of the biological activity of microbes for the development of experimental staphylococcal infection. Report No. 1: Significance of the virulence of the pathogen in the development of general staphylococcal infection in intraorbitally infected mice. p. 98

Adamov, A. K., Karpuzidi, K. S. - Rapid method for identifying brucella using alizarin suspension agglutinins. p. 103

Ustimonko, L. M. - Factors leading to the transmission of *Treponema pallidum*. p. 107

Sergeeva, T. I., Orzuev, M. I. - Toxicogenic properties of *Clostridium tetani* strains isolated from external environment. p. 112

Shamraev, S. A. - Use of tissue culture for the titration of toxins of the pathogens of gas gangrene. p. 117

Sinel'nikova, E. P. - Methodology of experimental streptococcal aerosol. p. 120

Zhaliko-Titarenko, V. P. - Experimental study of polydispersed bacterial aerosols. Report No. 2: Determination of basic parameters of the polydispersed system for calculating the survival indices of pathogens. p. 123

Bakulina, E. V. - Ecological complex of nasopharyngeal microflora in diphtheria patients and carriers and lysogenicity of *Corynebacterium diphtheriae*. p. 130

Lzhaneva-Korova, Z. N. - Change in the resistance to syntomycin in dysentery bacilli isolated in Ordzhonikidze in 1952 - 1963. p. 135

Babkin, A. F. - Use of the indirect hemagglutination reaction and hemolysis in the diagnosis of listeriosis. p. 138

Mukhaddinov, I. Z. - Epidemiology of group infections with typhoid fever in the Tatar A.S.S.R. p. 143

In memory of V. N. Fedorov. p. 157

Vol. 42, no. 2, Feb. 1965.

Table of contents translated.

Gladkaya, V. I. - Nucleotide composition of DNA in various strains of *Escherichia coli*. p. 3

Shumakova, G. V., Filazanova, I. B. - Effect of deposition on the distribution of total antibody in Gartner's culture, labelled with carbon <sup>14</sup>. p. 8

Chernokhovostova, E. V., and others. - Conditions of the formation of typhoid antibodies of various physicochemical nature. p. 13

Stebliuk, P. N. - Accelerated method for detecting typhoid pathogens of paratyphoid toxifications. p. 19

Golubeva, I. V., and others. - Accelerated and simplified method of laboratory diagnosis of intestinal colic infections with the use of liquids containing specific serum media. p. 21

Zhitova, E. I., Kudrinskaya, K. I. - Effect of cortisone on typhoid bacteria infections in immune animals. p. 27

Musabae, I. K., Nevskii, M. V. - Some problems in the epidemiology and prevention of intestinal infections in Uzbekistan. p. 32

Solodovnikov, IU. P., Zheibukhin, E. N., Nizovskiy, P. S. - Typhoid fever in Tula during the period 1887-1962. p. 37

Amin-Zade, E. M. - Typhoid and paratyphoid morbidity in relation to age in N. city. p. 41

Bezumova, F. I., and others. - Etiology of leptospirosis in Astrakhan Province. p. 45

Tonkonozhenko, A. P., Gurbanova, E. I., Agazarian, M. Kh. - Role of game animals in the formation of natural foci of leptospirosis in the North Caucasus A.S.S.R. p. 48

Novotnaya, Z. E. - Nonleptospiral leptospirosis morbidity in Transcarpathian Province. p. 49

Zorchalov, L. K., Kondinskii, G. V. - Distribution of toxoplasmosis in Tyumen' Province. p. 53

Orestenko, L. P. - Toxoplasmosis in workers in a meat factory. p. 58

Mukhammedov, S. M. - Epidemiological and epidemiological characteristics of brucellosis in Uzbekistan. Report No. 1. p. 61

Mal'kumova, M. A. - Cases of excretion of dysentery bacteria in chronic angiocholecystitis. p. 65

Zhaliko-Titarenko, V. P. - Experimental study of polydispersed bacterial aerosols. Report No. 3: Study of the aerosols of diphtheria bacilli. p. 68

Elkin, I. I., Iashkul', V. K. - Problems in epidemiological geography. Report No. 4. Zonal, regional and residual nosological areas. p. 73

Skavronskaya, A. G. - Mechanism of the injurious effect of radiation on bacterial cells; a review of literature. p. 80

Basnak'ian, I. A. - Synchronous multiplication of micro-organisms as a method of studying their biology, a review of literature. p. 85

- Nikolaev, A.I., Mukhamedzhanov, Kh.R., Khalifaev, S.M. - Effect of some complex compounds of trace elements on the phagocytic activity of leucocytes and the formation of agglutinins in non-irradiated and irradiated rabbits. p.90.
- Malozova, I.P., Vlasova, E.V., Orlova, N.G. - Role of peptides in the formation of toxins by *Clostridium oedematis*. p.95.
- Adamov, A.K. - Characteristics of antibodies fixed to particles and prospects of their use in microbiology. Report No.6. p.100.
- Kagan, G.Ia., Lopatova, E.I., Pokrovskii, V.I. - Isolation of PPLO, L-forms and heteromorphous forms of bacterial growth from the cerebrospinal fluid of patients with purulent meningitis. p.105.
- Konova, K.P. - Determination of staphylococcal hemolysis by the technique of hemolysis neutralization with anti-staphylococcal sera on agar plates. p.110.
- Dashkevich, I.O., Matboroda, G.M., Gol'din, R.B. - Purification of fluorescing conjugates from free fluorochrome with ion exchangers. Report No.2. Comparative results of purification of fluorescent antibodies by ion-exchange methods and filtration through gel. p.116.
- Anatoli, S.A. - Study of the biological nature of the virulent characteristics of microbes. Report No.2. Character of pneumococcal infection in white mice in relation to the course of infection and the dose of the pathogen. p.120.
- Martynova, V.A., Vissarionova, V.Ia. - Mechanism of the bactericidal activity of human sera in relation to gram-negative microbes. p.124.
- Korotkovskii, I.V. - Serological typing of capsular bacteria and its practical importance. p.128.
- Dyachenko, B.D. - Complexity of the somatic antigens of *Clostridium perfringens* types A, B, C, D, E and F. p.131.
- Marinevskii, I.L. - Characteristics of bacterial strains isolated from greater gerbils in the Tedzhen-Murgab interfluvium (Turkmen S.S.R.). p.136.
- Author's abstracts. p.141.
- Tarasova, L.P. - I.I. Mechnikov's experiments in the study of cholera. p.145.
- Vol. 42, No. 3, Mar. 1965.
- Table of contents translated:
- Sirovina, N.M. - Evolution of infections. p.3.
- Pokrovskaya, M.P., and others. - Morphology and nomenclature of immunologically competent cells of lymphoid tissue. p.8.
- Mikhailov, I.F. - Study of the first phase of serological reactions using the method of fluorescent antibodies. p.14.
- Balaeva, N.M., Levina, E.N., Korn, M.Ia. - Fluorescent antibodies for the detection of *Rickettsia*, a review of literature. p.17.
- Khizhin, V.IU. - Fluorescence spectra of intravitaly fluorochrome-treated micro-organisms. p.22.
- Akatova, N.S. - Causes of various fluorescence of microbial colonies under oblique illumination. p.25.
- Veselov, A.Ia. - Sensitivity of *Shigella* to antibiotics and the use of *Shigella* bacteriophage with syntomycin in laboratory diagnosis of dysentery. p.29.
- Suslova, V.S. - Experience in studying the antigenic structure of the diphtheria bacillus. p.31.
- Proskuriakova, N.B. - Detection of antigens and antibodies in infectious hepatitis patients by the precipitation in gel reaction. p.34.
- Il'inskaya, L.A. - Results of in vitro determination of diphtheria antitoxin in the blood of man and experimental animals. p.39.
- El'inov, I.P., Vitovskaya, G.A., Tomilina, I.V. - Study of the composition of polysaccharide haptens from yeast fungi. p.43.
- Sokhina, A.M., Birgor, M.O. - Consumption of amino acids by various pathogenic microbes. p.48.
- Malikova, M.V. - Study of the peroxidase activity of *Brucella*. p.52.
- Shevtsova, Z.V. - Study of the virulence of a *Brucella* vaccine strain following its presence in an irradiated organism. p.56.
- Melikova, E.N., Vasil'eva, I.G., Leznik, S.V. - Comparative characteristics of methodologies used in the laboratory evaluation of the effectiveness of World Health Organization's dry typhoid fever vaccine. p.58.
- Savel'ova, R.A., Annanova, E.V. - Pathogenesis of the pulmonary form of experimental tularemia. p.65.
- Solov'ov, V.N., Zueva, V.S. - Mechanism of the depression of vital activity of microbes during development in purulent inflammatory foci. p.70.
- Seppi, I.V., Lipkin, M.E., Evstratov, I.M. - Evaluation of the bactericidal and bacteriostatic properties of clovid. p.75.
- Ivankevich, P.A., Bocharov, A.P. - Morphological changes in bacteria under the effect of hexachlorophene. Report No.1. Anoptical microscopy. p.78.
- Shmeleva, E.I., Zakharova, M.S. - Study of the interaction of *Bacillus pertussis* and parapertussis with tissue cultures. Report No.2. Reproduction of *Hemophilus pertussis* and parapertussis in a system with chick embryo (fibroblasts). p.81.
- Ekzemplarova, O.N. - In vitro reproduction of *Salmonella typhimurium* in macrophages. p.88.
- Vasenevich, M.I. - Determining on a tissue culture the content of diphtheria antitoxin in  $\gamma$ -globulins and immune sera. p.92.
- Shashayev, M.A., Shapiro, I.L., Shatalova, A.L. - Duration of the detection of plague and pseudotuberculosis bacteriophages from the organism of greater gerbils. p.97.
- Iuschenko, G.V., and others. - Characteristics of the distribution of some bacterial infections in the rodent population in cities. p.101.
- Shikhov, E.N., Shroft, I.G., Burdenko, T.A. - Dynamic of immunologic and morphological reactions in experimental vaccination against anthrax. p.106.
- Khalif, Sh.S., Gerbuz, F.N. - Epidemiology of epidemic hepatitis (Botkin's disease). p.111.
- Zil'ber, D.E., Kiselev, A.V. - Planned  $\gamma$ -globulin prophylaxis of Botkin's disease with consideration of the duration of the induced immunity. p.116.
- Frolova, N.N., Cherkes, F.K. - Results of the mass utilization of the polyvalent dysentery bacteriophage. p.122.
- Pashina, P.M., Mosin, V.G. - C-reactive protein in influenza and acute catarrh of the respiratory tract. p.126.
- Zemskov, M.V., and others. - Yeast-induced production of antibodies, resistance and plasmolysis reaction in animals. p.130.
- Sinagovskaya, Z.N. - Results of the use of dry quinnell medium for the bacteriological diagnosis of diphtheria. p.134.
- Mardet, V.L., Mardet, B.B., Gromova, Z.V. - Ornithosis in the Latvian S.S.R. p.135.
- Iakobson, D.A. - Evaluation of the methods for studying the virulence of enteropathogenic *Escherichia coli*. p.137.
- Siroko, I.A., Verkhovomov, E.E. - Virulence of *Shigella* following a long stay in water. Report No.2. p.138.
- Semenova, L.P. - Study of leptospira strains of the Pomona group isolated in a natural focus. p.139.
- Bogdanova, V.V. - Comparative study of some properties of *Shigella dysenteriae*, pathogenic for the eyes of guinea pigs, and nonpathogenic variations obtained from them. p.140.
- Titrova, A.I., Shul'ts, L.M., Tol'bukh, V.P. - Comparative evaluation of the effectiveness of culture media for the cultivation of *Leptospira*. p.141.
- Medvedev, V.V., Iastrebov, A.F. - Role of farm animals in the formation of anthropogenic foci of leptospirosis. p.142.
- Frolova, N.I., and others. - Characteristics of *Salmonella* isolated in Kuybyshev District of Moscow in 1961 - 1963. p.143.
- Tamari, IU.A. - Antagonistic activity of *Escherichia coli* M-17 on solid culture media with various content of salt. p.143.
- Nogirbeva, M.A. - Elaboration of an optimal scheme for combined active and passive immunization against rabies. p.144.
- Khokhlov, T.D. - Effect of streptomycin on the effectiveness of experimental immunization with live vaccines. Report No.3: Introduction of streptomycin following immunization with tularemia vaccine. p.145.
- Abstracts of articles received by the editors. p.147.
- Elona Davidovna Ravich-Birger; on her 70th birthday. p.157.
- b. GYNECOLOGY, OBSTETRICS & PEDIATRICS
- VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MOTHER AND CHILD CARE]. Issued by Ministerstvo zdoravookhraneniya RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol.10, no.8, June 1965.
- c. NEUROLOGY & PSYCHIATRY
- \*ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]. Issued by Vsesoyuznoe obshchestvo nevropatologov i psikiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol.64, no.11, 1964.
- Table of contents translated
- Popova, L.M., Dubrovskaya, V.F. - Clinical aspects and treatment of respiratory disorders in myasthenia. p.1593.
- Sidorovskaya, M.D. - Electric activity of the respiratory musculature during changes in the gas content of the blood in patients under apparatus artificial respiration. p.1603.
- Astapenko, I.I. - Dynamics of the restoration of functions of the central nervous system in patients following clinical death. p.1611.
- Gubina, G.P. - Clinical characteristics of disorders of the motor analyzer in vascular foci of the right hemisphere of the brain. p.1618.
- Volkov, A.A., Kachaev, V.L., Kilvosheina, IU.P. - Neurological evaluation of the state of patients with brain tumors during the process of treatment with radioactive gold and after it. p.1626.
- Bozodkin, IU.S., and others. - Results of the study of the bioelectric activity of the brain with organic lesions during administration of ethynorantifene. p.1631.
- Orlova, N.P., Alamdarov, I.N. - State of the cardiovascular system in syringomyelia patients. p.1636.
- Rakhov, B.M. - Clinical aspects and treatment of epilepsy specified by arteriovenous aneurysm of cerebral vessels. p.1641.
- Tkach, V.V., Zlatov, V.I. - Sheathed branches of cerebrospinal nerves and the pain problem in lesions of epidural structures. p.1644.
- Erokhina, L.G. - Pathogenic, clinical and prognostic significance of trigger zones in typical neuralgia of the trigeminal nerve. p.1648.
- Babenkova, S.V., Karpinskaya, V.M. - Anticoagulant treatment of patients in an acute stage of brain infarct. p.1653.
- Bogolepov, N.N. - Problem of the structure of synaptic membranes (electron microscopic examination). p.1661.
- Khuiletskii, A.M. - Complete and dissociated structures of psychoses. p.1668.
- Skvortsov, K.A. - Cerebrogenic syndrome in an internal and psychiatric clinic. p.1671.
- Plotchev, A.I. - Results of clinical classification of depressive states. p.1676.
- Kutsenko, B.M. - Clinical aspects of acute appearances of recurrent schizophrenia. p.1683.
- Semke, V.Ia. - Dynamics of psychopathies in old age. p.1688.
- Dol'nitsyna, A.D. - Rheoencephalographic data in vascular and senile psychoses, preliminary report. p.1697.
- Gashin, L.Z. - Hyperglycemic action of the blood serum in schizophrenia patients. p.1701.
- Caune, M.K., Jaksons, Z.P., Pilienko, A.K. - Some remarks to the evaluation of enzyme activity and indices of bilirubin in the diagnosis of diseases of the liver in schizophrenia patients. p.1705.
- Shaposhnikov, V.S. - Study of biochemistry and pathophysiology of the allergic component in the pathogenesis of schizophrenia and infectious psychoses. p.1712.
- Fokin, A.S. - Effect of large doses of insulin on the content of sodium, potassium, magnesium and total and ionized calcium in the blood serum. p.1717.
- Shmiltovich, L.A., Polak, A.I., Nazarova, T.N. - Aminazine treatment of stuporous states (clinical and physiological analysis). p.1722.
- Zolotarevskii, R.I. - Effect of repeated treatment with aminazine on the schizophrenic process. p.1728.
- Egorov, V.A. - Effect of systematic treatment with aminazine on the course of recurrent schizophrenia. p.1734.
- Shamanina, V.M., Zavidovskaya, G.I. - Therapeutic evaluation of theralone in the clinical aspects of depressive states. p.1741.
- Marcella Velhova. - Neurology in Czechoslovakia. p.1747.
- Akhutin, E.A. - Index of books on neuropathology, psychiatry and related disciplines received in the State Central Scientific Medical Library in August 1964. p.1750.

Vol. 65, no.6, 1965

- Table of contents translated
- Tkachev, R.A., and others. - Problems of heredity in hepatocerebral dystrophy (Wilson-Westphal-Konovalov's disease). p.801.
- Prokopchuk, V.S. - Neuroepithelioma of the cerebellum. p.810.
- Likhachev, A.A. - Primary diffuse melanoma of the soft meninges of the cephalic and upper cervical part of the spinal cord. p.814.
- Shutov, A.A. - Cerebellar syndrome in tumors of the brainstem. p.817.
- Sokolianskii, G.G. - Ollier's disease (dyschondroplasia) combined with a brain tumor, craniospharyngioma. p.821.
- Cherepanov, A.N. - Lesions of the central nervous system in Recklinghausen's disease. p.825.
- Mirovtorskaya, G.N. - Impaction of the cerebellum in the foramen occipitale magnum in some diseases of the brain. p.828.



- Pulatov, A. M. - Significance and possibilities of cranio-graphic and pneumoencephalographic method of examination in the diagnosis of brain insults with a tumor course. p. 832
- Dubikavits, V. V. - Fields of average velocity changes in the bioelectrical activity of the brain in idioms of the hypophysis and arachnoiditis of the optic chiasm. p. 837
- Slamovskaya, L. Z., Malen'ko, Z. L. - Spinal epidural syndrome in the clinical aspects of chloroform (chloroma). p. 844
- Isvetanova, K., Ocheretova, P. - Progressive spinal syndrome in electric trauma. p. 848
- Smel'kin, D. G. - Phenomenon of inhibition of bioelectric activity in the "temporal" seizures in patients with cerebral tumors. p. 852
- Strelkova, N. I., Andreeva, V. M., Buzynina, V. S. - Electrical activity of the brain and the content of catecholamines in the urine of patients with phantom pains as a reflection of the pain syndrome in relation to peloid-balneological treatment. p. 856
- Makarov, A. L. G. - Effect of the intensity of light stimulation on the phenomenon of rhythm assimilation in patients with transient disorders of blood circulation in the brainstem. p. 863
- Morozova, T. V. - Spatial synchronization of the  $\alpha$ -activity in the cerebral cortex in elderly and senile persons. p. 868
- Leibovich, F. A., Shchirina, M. G. - Bioelectrical activity of the cerebral cortex and the characteristics of psychopathological disorders in some forms of cerebrovascular lesions. p. 874
- Kogan, S. I., Shvidskaya, A. G. - C-reactive protein in the cerebrospinal fluid and blood serum in infectious psychoses. p. 883
- Medvedev, T. N. - Comparative characteristics of the functional state of the adrenal cortex in some groups of mental patients of involuntal age. p. 888
- Zubarev, F. G. - Dynamics of blood pressure in cerebral and peripheral vessels in hypertonic and atherosclerotic psychoses during treatment with aminazine. p. 894
- Rakhal'skii, I. U. E. - Psychopathological manifestations in the initial stage of an insult in its atypical forms. p. 900
- Dedov, V. F. - Clinical characteristics of chronic psychoses developed on the basis of alimentary emaciation. p. 906
- Kulik, D. M. - Catamnesia of patients with psychic disorders developed following antirabies vaccinations. p. 913
- Kamianov, I. M. - Clinical aspects in poisoning with aminazine. p. 918
- Smaga, M. P. - Problem of acute dystrophy of the liver following aminazine therapy. p. 920
- Shumilova, V. K. - Psychic complications related to trifluorol treatment. p. 924
- Aizenshtein, F. A. - Pathomorphological characteristics of thyrotoxic encephalopathy. p. 928
- Rybal'skii, M. I., Uman'skaya, R. M., V. I. Iakovchenko's correspondence with A. P. Chekhov. A. P. Chekhov's (unpublished letter to V. I. Iakovchenko). p. 934
- Rogovin, M. - Comparative psychology, etiology, psychiatry. Report No. 2. Development of views in foreign science on the biological determination of behavior under normal conditions and in pathology. p. 938
- Akhutin, E. A. - Index of books on neuropathology, psychiatry and related disciplines received in the State Central Scientific Medical Library in February and March 1965. p. 949
- Daniil Aleksandrovich Markov, on his 70th birthday and 45th anniversary of medical, scientific and pedagogic activity. p. 953
- Iraclii Timofeevich Menteshashvili, on his 60th birthday. p. 954
- O. V. Kerbikov, an obituary. p. 955
- Nikolai Ivanovich Bondarev, an obituary. p. 956.

\* ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 14, no. 6, Nov.-Dec. 1964.

Table of contents translated:

- Korotkin, I. I. - Changes in the higher nervous activity evoked by the visualization of a given image. p. 937
- Ivanova, M. P., Talyshiev, P. M. - Problem of electrographic representation of voluntary movements. p. 947
- Obukhova, N. Z., Roman, R. A. - Role of vision and musculoarticular sense in the reproduction of passive movements (flexion of the arm in the elbow joint). p. 953
- Puchinskaya, L. M. - Correlation of the specific and nonspecific response to light in human electroencephalogram. p. 957
- Galev, V. - Interaction of the visual and motor analyzers in the regulation of motor reactions. p. 966
- Kostandov, E. A. - Effect of adrenaline on the nervous mechanisms of the orienting reflex. p. 975

- Ivanova, L. T., Ivanov, V. B. - Changes in the higher nervous activity under the effect of the reproductive cycle. p. 984
- Norkina, L. N. - Food, defensive and orienting-investigative conditioned reflexes in lower monkeys. p. 992
- Popova, N. S. - Some characteristics of the development of conditioned reflexes to complex acoustic and visual stimuli in dogs. p. 999
- Daniilova, I. K. - Characteristics of evoked potentials in the extinction of the orienting reflex in dogs. p. 1007
- Sazonov, N. S., Bolodinskii, V. K. - Reaction of dogs with the weak type nervous system to the effect of neurotropic substances. p. 1013
- Pionkovskii, I. A. - Characteristics of the bioelectrical activity of the brain in animals irradiated by ionizing radiation during the antenatal period. p. 1019
- Kozlova, L. N. - Methods of developing conditioned inhibition in excitable puppies. p. 1029
- Alaev, M. M., Glushkova, V. V. - Some correlations between the electroencephalographic, vegetative and somatic components of the conditioned defense reflex. p. 1032
- Alapatian, A. A. - Physiological characteristics of the conditioned washing reflex. p. 1042
- Beleva, T. G. - Dependence of the reactions of individual neurons of the lateral geniculate body in rabbits on the intensity of light stimulus. p. 1048
- Supin, I. A. - Analysis of the interaction of evoked potentials and background bioelectrical activity of the cerebral cortex in rabbits. p. 1057
- Kondrat'eva, I. N. - Inhibition in the neuron systems of the visual sector of the cerebral cortex. p. 1069
- Zagorul'ko, T. M., Belekova, M. G. - Correlation between the background electric activity of the brain, discharge of the aftereffect and intensification of the electrogram reaction to light stimulation in turtles *Emys orbicularis*. p. 1079
- Razumova, I. L. - Comparative study of functional and morphological changes in the central nervous system of white rats during the course of intermittent administration of di-cycloserine. p. 1090
- Dmitriev, I. U. S. - Comparison of one-way and two-way alteration of conditioned reflexes for evaluation of the lability of nervous processes in rodents. p. 1100
- Minin, B. A. - Device UFI-83 for examination of the higher nervous activity in man. p. 1104
- Erenkov, V. A. - Methodology for the study of the second signal system in children by means of the RRM-59 radioreflexometer. p. 1108
- Fedor Petrovich Malozov, an obituary. p. 1110

Vol 15, no 3, May-June 1965

Table of contents translated

- Sergeev, B. F. - Electrophysiological analysis of the formation of temporary connections of the association type in lower vertebrates. p. 425
- Andreev, L. N. - Some characteristics of unconditioned salivation reflex in dogs following photic and acoustic conditioned stimuli of various strength. p. 433
- Agadzhanian, N. A., and others - Effect on the animal body of prolonged inhalation of pure oxygen under conditions of lowered barometric pressure. p. 438
- Shal'net, B. I. - Changes in the conditioned response activity in dogs under the effect of small doses of radioactive sodium-24 following a preliminary introduction of alcohol. p. 445
- Zakharzhevskii, V. B. - Changes in the coronary blood flow during the action of food conditioned stimuli. p. 453
- Marukhanian, E. V. - Defense reflex to environment under an excessively strong action (acceleration of a short duration). p. 458
- Shapovalov, A. I. - Rhythmic activity of neurons. p. 466
- Radionova, E. A. - Detection of a useful signal from noise in the neuronal impulse activity of the cochlear nucleus in cats. p. 481
- Samsunova, V. G. - Functional organization of neurons of various types in the visual center in frogs. p. 491
- Vinogradova, O. S. - Dynamic classification of responses to sensory stimuli in hippocampal neurons. p. 500
- Mktyrcheva, L. I. - Elements of the functional organization of the visual system in frogs. p. 513
- Kostelianski, N. B. - Study of receptive off-fields of the retina in frogs by means of moving dark stimuli. p. 521
- Vasilievskii, N. N. - Characteristics of the functional properties of individual neurons of the somatosensory cortex in adult rabbits and cats. p. 529
- Al'tman, I. A. A., Maruseva, A. M. - Evoked potentials of the auditory system. p. 539
- Shevelev, I. A. - Synchronization of the initial afferent flow in the visual system. p. 550
- Dembnovetskii, O. F. - Primary responses of the auditory cortex in anesthetized cats to tones of various pitch. p. 560

- Amion, S. D., Lebedev, O. F., Vikhoreva, K. N. - Device for studying the higher nervous activity in man by the method of conditioned level. p. 567
- Fokanenko, I. I., Likhtenshtein, E. M. - Methodology of recording motor conditioned and unconditioned reflexes and their quantitative measurement. p. 573

d. OPHTHALMOLOGY & OTORHINO LARYNGOLOGY

OPHTHALMOLOGICHESKII ZHURNAL [OPHTHALMOLOGICAL JOURNAL]. Issued by Ministerstvo zdorovokhrameniia SSSR [Ministry of Health of the U.S.S.R.]. Kiev, vol. 20, no. 4, 1965.

VESTNIK OPHTALMOLOGII (REVIEW OF OPHTHALMOLOGY). Published by Ministerstvo zdorovokhrameniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 78, no. 3, May-June 1965. (DNLM)

e. PATHOLOGY & THERAPEUTICS

AKADEMIYA MEDITSINSKIIH NAUK SSSR, Moscow, Institut neirologii i patologicheskoi fiziologii, Trudy [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R., Institute of Neurology and Pathological Physiology, Transactions], Moscow, vol. 7, 1964, Physiology and pathology of the nervous system.

Table of contents translated:

- Adzhimoluev, T. A. - Nature of spinal inhibition in dogs of various ages. p. 3
- Adzhimoluev, T. A., Przdnikov, V. P. - Nerve and muscle refractivity and effects of curare in dogs of various ages. p. 5
- Antkina, N. A. - Dynamics of changes in the depressor reflexes appearing under the influence of various acids of intestinal receptors following monododecyl acetate intoxication. p. 7
- Anokhin, P. K. - Studies on physiological properties of synaptic systems of the cerebral cortex. p. 9
- Ardashnikova, L. I. - Role of chemo- and mechanoreceptors of the carotid sinus in the regulation of respiration and arterial pressure. p. 10
- Arshavskii, I. A. - Mechanisms of the formation of inhibition in ontogeny. p. 12
- Arshavskii, I. A. - Problem of lability in the light of physiological ontogenic data. p. 14
- Bab'skii, E. D., Ul'ianinskii, L. S. - Mechanism of ventricular asystole following stimulation of the vagus nerve. p. 16
- Burinskaya, M. M. - Comparative evaluation of evoked potential of the sensorimotor cerebrocortical region in various forms of electrographic activation. p. 19
- Belova, T. I. - Prenatal ontogeny of the epithalamus in rabbits. p. 21
- Belova, T. I. - Prenatal ontogeny of some nuclei of the thalamus opticus in rabbits. p. 23
- Bilnova, A. M., Saradzhev, N. K., Shokhin, P. D. - Effect of local stimulation of bulbarpressor structures on the electrical activity of sympathetic nerves. p. 25
- Burmistrova, T. D. - Data on the theory of automatic (pericardic) functions of living systems. p. 27
- Berzilova, O. V., Skuratova, S. A., Shokhin, P. D. - Analysis of supraspinal effect of the reticular formation of the brain stem on the mechanism of formation of flexor dominance. p. 29
- Verzilova, O. V., Kondrat'eva, L. N. - Electrical activity of presoreceptor neurons of the medullary reticular formation following the stimulation of hypothalamic pressoreceptors. p. 31
- Voronuk, N. B. - Effect of the level of contractile functions of the heart on the production of sympathetic effects. p. 33
- Gokhblit, I. I. - Characteristics of the polarization of the cerebral cortex according to the degree of impedance and denervation potential in dogs of various ages. p. 35
- Gromova, E. A., Tkachenko, K. N., Provodina, V. N. - Functional characteristics of the hypothalamus. p. 37
- Gurvich, A. A. - Mitogenic irradiation of the neuromuscular system as a method for the analysis of molecular substrates and of the concept of excitability. p. 39
- Durinin, R. A., Rabin, A. G. - Some morphophysiological principles of controlled reactions of the so-called nonspecific cerebral structures. p. 41
- Eshkov, A. I. - Electrophysiological analysis of the functional mobility and of processes regulating the taste receptor apparatus. p. 43
- Zavoika, A. V. - Signals from pulmonary receptors transmitted on nonmyelinated fibers of the vagus nerve. p. 45
- Kagramanov, K. M. - Chemical nature of the ascending activating reticular formation. p. 47

- Kapel'ko, V. I. - Effect of anesthesia on cardiac reactivity to the stimulation of the vagus nerve in compensatory hyperfunction of the heart. p. 49.
- Katunskii, I. A., and others. - Electrophysiological analysis of the formation of vasomotor reflexes. p. 51.
- Keilin, B. D. - Characteristics of vasomotor reflexes produced by the introduction of chemical irritants into ear vessels in rabbits. p. 53.
- Kikhina, E. M., Meerson, F. Z. - Dynamics of the content of nucleic acids in intramuscular node neurons in compensatory hyperfunction of the heart. p. 55.
- Kryzhanovskii, G. M. - Experimental tetanus intoxication as a model for the study of neuophysiological processes. p. 57.
- Kulik, A. M. - Functional state of the respiratory center in man while holding ones breath. p. 59.
- Lavrent'eva, N. B., Khalsman, E. B. - Histochemical studies on succinic dehydrogenase in the baroreceptors of the depressor zone of the aortic arch in dogs. p. 61.
- Lashkov, V. F. - Effector innervation of extramural sympathetic ganglia in man and other mammals. p. 63.
- Magaeva, S. V. - Characteristics of reflex disorders of regional blood circulation during the development of neurodystrophic processes. p. 64.
- Nabli, E. M. - Study on neuophysiological mechanisms of the selective action of narcotics. p. 66.
- Ostryi, O. I. A., Magaeva, S. V. - Disorders of afferent signalization in experimental conditioned hypercholesterolemia. p. 68.
- Plechova, E. K. - Comparative characteristics of the peripheral plexuses of parasympathetic and sympathetic nerve fibers according to the distribution and activity of cholinesterase, histochemical data. p. 70.
- Provodina, V. N. - Effect of serotonin on evoked potentials of the visual cortex in rabbits. p. 73.
- Rozanova, V. D. - Analysis of the role and nature of cholinergic and adrenergic substances of the reticular formation in dogs of various ages. p. 75.
- Rozanova, L. S. - Changes in cardiac reactivity to parasympathetic and sympathetic influences in compensatory hyperfunction of the heart in chronic experiments. p. 77.
- Svistunov, I. B. - Effect of peripheral inflammatory processes on monosynaptic reflexes. p. 79.
- Sergeeva, Z. N. - Afferent impulses from the focus of an inflammation. p. 81.
- Skorodumova, I. V. - Current data on the innervation of tumors. p. 82.
- Skuratova, S. A. - Role of serotonin and some of its antagonists in synaptic processes of the spinal cord. p. 84.
- Smolin, L. N. - Facilitation of primary cortical responses under the influence of impulses from inflammatory foci. p. 86.
- Snafkin, P. G. - Interaction of analyzers in the process of stimulus perception. p. 88.
- Sovetov, A. N. - Functional structure of the cortical terminal of a visceral analyzer. p. 90.
- Solomatin, S. S. - Characteristics and nature of monophasic potentials. p. 92.
- Sonina, R. S. - Reflexes on arterial pressure produced by the stimulation of the receptors and afferent intestinal fibers with synthetic bradykinin. p. 94.
- Sudakov, K. V. - Electrophysiological characteristics of synaptic organizations of the cerebral cortex following food stimulation. p. 96.
- Tkachenko, K. N. - Role of serotonin in the central regulation of cardiac activity. p. 98.
- Turenko, A. I. - Analysis of neurochemical mechanisms of the ascending activation of the cerebral cortex in cats during reactions of various biological types. p. 100.
- Frankelstein, S. I. - Electrophysiological analysis of reactions of the nervous system to the irritation from pathologically modified tissues. p. 102.
- Khitutin, V. M. - Method of coding pain signals. p. 105.
- Chornyshevskaya, I. A. - Relation of morphological structures to histochemical properties of the sensorimotor cortex in rabbits during the period of formation of the negative phase of evoked potentials in early ontogeny. p. 108.
- Sheikhov, F. D. - Analysis of the effect of aminazine on cerebrospinal reflexes and dominance. p. 110.
- Shumilina, A. I. - Experimental analysis of the sequence of evoked potentials in various structures of the brain during the development of conditioned reactions. p. 112.
- Shumilina, A. I. - Formation of functional systemic connections in the cortex and subcortex during the process of the development of conditioned reflexes. p. 114.
- PATOLOGICHESKAYA FIZIOLOGIYA I EKSPERIMENTAL'NAYA TERAPIYA [PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY] Issued by Ministerstvo zdorovokhraneniya SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 8, no. 6, Nov.-Dec 1964
- Table of contents translated
- Vasilev, P. V., Gerd, M. A. - Effect of acceleration on the higher nervous activity of dogs. p. 3
- Ganelina, I. E. - Effect of denervation of the adrenal glands on the level of blood lipids and the extent of morphological changes in the aorta of rabbits with atherosclerosis. p. 7
- Blak, I. U. E. - Dynamics of fat accumulation in the cultures of a rabbit aorta under various cultivation conditions. p. 11
- Voznesenskii, B. B. - Adrenergic and cholinergic reactions in animals with functional traumatism of the central nervous system. p. 15
- Mazurkevich, G. S. - Changes in the adrenocorticotrophic function of the hypophysis in traumatic shock. p. 19
- Zagonitsko, L. M. - Absorption of radioactive phosphate from the abdominal cavity in acute peritonitis. p. 22
- Selznev, S. A. - Venous potential difference as an indicator of the state of the portal blood flow in the liver during shock. p. 25
- El'skil, V. N. - Passage of radioactive phosphate into the cerebrospinal fluid and its inclusion in the cerebral tissue during histamine shock. p. 28
- Movshev, B. E. - Effect of immunotherapy on the state of calcified tissues in rats with thermal burns. p. 32
- Garmash, V. I. A., Tartysnikov, I. M. - Biochemical and electromyographic examinations of dogs in experimental myocardial infarction and after its excision. p. 35
- Dokukin, A. V. - Vessels of the extremities in acute disorders of coronary circulation. p. 40
- Chernush, A. M., Prokhorova, A. M. - Effect of tetracycline on the inflammation focus produced in rats by a subcutaneous injection of a staphylococcal culture. p. 43
- Smazhova, N. A. - Changes in the content of pressor amines in the blood and arterial pressure under the influence of reserpine. p. 48
- Zotkov, E. A., and others. - Discovery of fixed antibodies on the cells of skin homographs. p. 52
- Belovintseva, M. F., Shalagina, V. G. - Insulin inactivating capacity of the hepatic tissue of rats in experimental pancreatic diabetes. p. 55
- Gaber, I. E., and others. - Diverse effect of experimental tuberculous infection on food and defense conditioned reflexes. p. 57
- Gorbunova, N. A. - Restoration of the protein composition of the blood in splenectomized dogs at the earliest possible time following an acute nonfatal hemorrhage. p. 62
- Aikhlov, G. N. - Dominant mechanisms in the process of carcinogenesis as exemplified by the interrelations between reparative regeneration and tumor formation. p. 65
- Ignat'ova, Z. P. - Effect of pentoxyl on the normal antibody content in chronic hemorrhages. p. 70
- Alisimov, V. N. - Electrophysiological studies of the reflex activity of the respiratory center in experimental botulism. p. 71
- Nasledova, I. D., Rafal'skii, I. A. D. - Effect of prolonged sound and light stimuli on the development of experimental atherosclerosis in female rabbits p. 73
- Khananov, L. I., Grishilo, G. F. - Dynamics of tissue respiration of the pancreas and the spleen in collateral blood circulation. p. 75
- Abramova, Zh. I. - Use of urea in treating experimental poisoning by carbon disulfide. p. 78
- Kogan, A. Kh., Lichintser, M. R. - Edematogenous effect of adenaline decomposition products. p. 78
- Denisov, A. T. - Effect of a ganglionic block induced by hexonium and diacoline on the sensitivity of the organism to acute blood loss. p. 79
- Aydeeva, R. A. - Inducing immunological tolerance to human blood in rabbits. p. 80
- Kovalenko, E. A., Korol'kov, V. I. - Method of determining oxygen tension in the cardiac muscle in a chronic experiment. p. 82
- Zalko, N. N., Byts', I. U. V. - Report on the work of the Kiev Province Society of Pathophysiologicalists for 1963. p. 85
- Trankvil'iani, N. N. - "Coronary blood circulation and experimental myocardial infarction" by V. V. Frolov and others. p. 87
- Sirodin, N. N. - Review of Liuben Tselcharov and Nikola Nikolov's book "Normal and pathological reactivity of the organism." p. 89
- P. N. Veselkin, on his 60th birthday. p. 90
- \* PROBLEMY GEMATOLOGII I PERELIVANHA KROVI [PROBLEMS OF HEMATOLOGY AND BLOOD TRANSFUSION] Issued by Ministerstvo zdorovokhraneniya SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 10, no. 4, Apr. 1965
- Table of contents translated
- Kassitskii, I. A. - Some controversial problems of the etiology and pathogenesis of leukemia. p. 3
- Maasishcheva, N. V., Raushenakh, M. O. - Inhibitive effect of tyrophan metabolites on the utilization of vitamin B<sub>12</sub>. p. 14
- Stepanenko, A. G., Tshkhorshova, O. D., Deriz, G. V. - Gas exchange and the formation of organic acids in normal and pathological leucocytes, chronic myeloid leukemia and lymphadenosis. p. 20
- Gol'dberg, E. D., Gol'dberg, D. I. - Giant cells of the bone marrow in acute radiation sickness. p. 24
- Progonina, V. V. - Qualitative characteristics of hemoglobin. p. 30
- Muravskii, K., Shimanovskaya, Z. - Spectral properties of anomalous Mradom hemoglobin. p. 32
- Alekseev, G. I. - Indices of the mitotic activity of the bone marrow in healthy people. p. 34
- Shubich, M. G., Petrova, T. R. - Quantitative determination of basophilic leucocytes in the blood. p. 37
- Kolpakov, V. A. - Fluorescence of erythrocytes of the peripheral blood under conditions of vital fluorochroming with Acridine Orange. p. 39
- Shitkova, A. S. - Effect of a mucopolysaccharide preparation derived from the spleen of cattle on the hemopoiesis in rabbits. p. 42
- Behn, N. D. - Use of blood enriched with oxygen. p. 46
- Zhukova, N. A. - Results of the work of rhesus laboratories in organizing a 100% examination of pregnant women as well as recipients for the rhesus factor and the collection of antirhesus serum. p. 48
- Minakova, L. V. - Improvement of the technology of preparing protein hydrolysates. p. 50
- Ia'oshevskii, A. I. A., Shekhter, S. I. U. - Erythropoietins and regulation of erythropoiesis, survey of materials of the conference held in San Francisco, U.S.A. p. 54
- Shekhter, S. I. U., Ia'oshevskii, A. I. A. - Symposium on erythropoietins in Sverdlovsk. p. 58 (DNLM)
- REFERATIVNYI ZhURNAL OSHCHIE VOPROSY PATOLOGII, ONKOLOGII (Odel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY, ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos 12-13, June-July 1965.
- \* VOPROSY ONKOLOGII [PROBLEMS OF ONCOLOGY]. Issued by Ministerstvo zdorovokhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 10, no. 12, 1964.
- Table of contents translated
- Rusanov, A. A. - Resection of the stomach in cancer p. 3
- D'achenko, P. K. - Course of anesthesia, the operation and the postoperative period in patients with cancer of the esophagus following X-ray irradiation p. 10
- Zaitsep, S. T., Shlapoberskii, V. I. A. - Clinical observations of chondromyxoid bone fibromas. p. 16
- Fiks, A. F. - Phyllode tumor of the breast and its relation to fibroadenoma and sarcoma. p. 21
- Mukhlina, E. P. - Metastasizing of malignant tumors of the ovaries. p. 27
- Kalashnikov, A. P. - Contents and excretion of the derivatives of nicotinic acid in patients with cancer of the stomach and the lungs. p. 32
- Abasov, I. T. - Diagnosis of the spread of gastric cancer into the pancreas. p. 34
- Dil'man, V. M., Kovaleva, I. G. - Competition of anasomatotropin with the active growth hormone in man. p. 38
- Zheludov, V. I., Manolov, S. E. - Effect of catalase on the growth of a transplanted lymphosarcoma and on some aspects of metabolism. p. 42
- Beslekov, T. I., Surdeikina, L. N. - Effect of thio-TEPA on the protein composition of the blood in sarcoma M-1. p. 46
- Garibzhanian, B. T. - Effect of thio-TEPA on the phagocytic activity of blood leucocytes an experimental study. p. 49
- Degteva, S. A. - Spectrum and selectivity of the antineoplastic effect of phenesterine. p. 52
- Spasnikova, I. G. - Antineoplastic effect of some diazo compounds. p. 56
- Griclute, L. - An attempt to use drugs and radiation in adenomas of the lungs in mice. p. 59

- Neimark, I. I., Kamardin, L. N. - Results of the use of bronchoscopy, under anesthesia in apnoea in the diagnosis of cancer of the lungs p. 64
- Murakhmedov, Kh. Sh. - Primary skin grafting in treating malignant tumors p. 68
- Kamlov, Kh. - Clinical aspects diagnosis and treatment of benign neoplastic tumors of the stomach p. 73
- Poljak, M. S. - Pneumoperitoneum and gynecological radiography in the diagnosis of tumors of the internal female sex organs p. 77
- Smidler, E. A. - Organization of cytologic studies in gynecological oncology p. 81
- Vermel', E. M., Erukhimov, L. S. - Chemotherapy of tumors of the genitourinary organs. Part 1. Tumors of the kidneys, the urinary bladder and the testicle p. 88
- Novikov, A. N., Valueva, I. M. - Proceedings of the 93rd Conference of the Scientific Society of Oncologists of Moscow Province, March 26, 1964 p. 98
- Rakov, A. I., Dymarskii, L. I. - Proceedings of the 88th Conference of the Scientific Society of Oncologists of Leningrad and Leningrad Province, June 4, 1964 p. 99
- Salamon, L. S., Smirnova, I. N. - Report on the conference dealing with indirect treatment of the tumorous process p. 102
- Tursov, V. S. - Report on the symposium on the mechanisms of carcinogenesis p. 104
- Irina Aleksandrovna Ermolaeva (1906-1964) p. 106 (DNLM)

## Vol II, no 1, 1965

- Table of contents translated:  
Tenth anniversary of the periodical "Voprosy onkologii." p. 3
- Maksimova, I. A. - Effect of the progress of the disease on the results of surgical treatment in pulmonary cancer p. 6
- Kevesh, I. E. - Roentgenocinematography in the diagnosis of cancer of the laryngopharynx and cervical portion of the esophagus p. 11
- Shniger, N. U. - Roentgenological observations in radiotherapy in cancer of the rectum p. 18
- Agayev, B. A. - Functional state of the adrenal cortex before and following surgery in cancer of the cervix uteri p. 21
- Nguyen Tkhe Kkhan', Petrov, N. S. - Some indices of natural immunity in lymphogranulomatosis patients. p. 25
- Nikitina, N. I. - Cytologic diagnosis of neurinomas p. 30
- Shvenberger, I. N. - Induction of liver, kidney and lung tumors in rats with N-nitrosodimethylamine p. 34
- Radzichovskaya, R. M. - Resistance to the virus and cell antigens of Rous sarcoma. p. 39
- Dil'man, V. M. - Mechanism of the action of antibiotic 7203 (chromomycin). p. 44
- Vardanian, S. A. - Antineoplastic activity of the peptides of sarcosine, tyrosine and 3,4-dihydroxyphenylalanine p. 45
- Novikova, L. A., Musina, T. M. - Results of the treatment of chorioepithelioma of the uterus, based on materials of the Institute of Experimental and Clinical Oncology p. 48
- Vikstraitis, C. - Use of colposcopy and colposcophotograms in the detection and evaluation of the effectiveness of the treatment of precancer and cancer of the cervix uteri. p. 53
- Kaufman, B. D., and others. - Methodology of the study of late results of the treatment of patients with malignant tumors p. 55
- Rabinovich, E. A. - Clinical aspects and treatment of recurring tumors of the salivary glands p. 67
- Durova, T. T., Grafskaya, N. D. - Giant retroperitoneal myxoma simulating perineal hernia p. 73
- Lipets, V. I. A. - Case of a diffuse mesothelioma of the abdominal cavity p. 76
- Lil'ko, A. V. - Cancer of a horseshoe kidney; a case report p. 78
- Slankevich, A. A. - Calculation of doses in intracavitary treatment of cancer of the uterus with radioactive preparations using a rectangular coordinate system p. 80
- Vermel', E. M. - Chemotherapy of tumors of the urogenital organs. Part 2. Cancer of the prostate gland p. 109
- Vakhterets, A. D., Kramchaninov, N. F., Demin, I. I. - Materials on the history of the research on malignant tumors in Russia, Horstman's works, 1796 p. 120
- Professor Nina Danilovna Perumova, on her 70th birthday. p. 126 (DNLM)

## Vol II, no. 3, 1965.

- Table of contents translated:  
Goldin, S. A., Dykman, Z. I. - Evaluation of prognosis in cancer of the breast. p. 3
- Goldin, S. A., Dykman, Z. I. - Evaluation of prognosis in cancer of the thoracic section. p. 8

- Sidorenko, L. N. - Evaluation of combined resections in cancer of the stomach. p. 13
- Grachevko, I. M., Ogorodnik, I. V. - Complications in surgical treatment of cancer of the rectum. p. 21
- Sollarov, V. I. - Importance of the localization, histological structure and the degree of spreading of cancer of the rectum and sigmoid in its recurrence. p. 26
- Simbirtseva, L. P., Smirnov, N. V. - X-ray diagnosis of lipomas of the large intestine. p. 30
- Kleinman, D. L., Rubkova, L. M. - Direct lymphography in tumors of the urogenital organs. p. 35
- Kazanskii, D. A. - Regional chemotherapy of tumors of the maxilla, the tongue and the pharynx by the carotid perfusion and infusion method. p. 42
- Sukhin, G. M. - Effect of transplantation of the bone marrow in treating sarcoma M-1 in rats with high doses of Thio-TEPA. p. 46
- Rusin, V. I. A. - Effect of dibazol on the growth of tumors and resistance of animals with melanomas and Ehrlich's ascites tumors. p. 53
- Pol'kina, R. I. - Radiosensitizing effect of some natural pyrimidines. p. 57
- Dil'man, V. M., Solonov, B. N. - Induction of immunological tolerance to protein hormones. p. 61
- Rubenchik, B. L. - Changes in the biochemical indices of the liver tissue of rats following the administration of hepatocarcinogens of different chemical structures. p. 63
- Gaziev, A. I. - Glutathione and sulfonucleopolysaccharide metabolism in sarcoma-45 and in the organs of rats. p. 68
- Vogralik, M. V. - Oxygen tension and conditions of the blood supply in transplanted tumors. p. 73
- Pliss, G. B. - New strains of osteogenic sarcoma in rats. p. 77
- Bulanova, S. I., Smulevich, V. B., Sherman, A. Sh. - Role of a dispensary for tuberculosis control in the detection of lung cancer. p. 85
- Bobylov, N. B. - Late results of treating patients with cancer of the vulva. p. 90
- Davydov, L. I. A. - Conservative treatment of patients with fibromyoma of the uterus. p. 94
- Marmorshteyn, S. I. A., Trakhtenberg, A. Kh., Bidlak, I. V. - Method of combined intravenous phlebography and azygography in cancer of the lungs. p. 99
- Fedorov, G. A. - Device for continuous intra-arterial administration of chemotherapeutic preparations. p. 104
- Slankevich, A. A. - Calculation of doses in a plane not coincident with the plane of isodoses in intracavitary treatment of cancer of the cervix uteri. p. 106
- Kulikov, S. S. - Use of a plaster bandage in measuring the cross section of the body in radiotherapy. p. 113
- Gorelova, N. D., Dikun, P. P. - 3,4-Benzopyrene content in paraffin of various degrees of purification. p. 115
- Ivanova, L. A. - Attempts to prevent and treat recurrence of transplanted rat sarcomas with phosphazine after their removal. p. 117
- Chigirinskii, A. N. - Treatment of multiple myelomas with sarcosine, ACTH and corticosteroids. p. 118
- Professor Aleksandr Ivanovich Serebrov; on his 70th birthday. p. 122 (DNLM)

## f. PHARMACY &amp; MATERIA MEDICA

- \* ANTIBIOTIKI (ANTIBIOTICS). Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 10, no. 5, May 1965
- Table of contents translated:  
Antonov, V. K., and others. - Selective hydrolysis of O, O'-diacetylsertralomide and a comparison of the synthetic and biosynthetic types of the antibiotic p. 387
- Laznikova, T. N., Makarevich, V. G. - Biological synthesis of tetracycline and its derivatives. p. 390
- Nytr, I., Lengyel, Z. L. - Effect of phenylacetic acid and sunflower oil on penicillin biosynthesis p. 396
- Samsonov, G. V., Etingov, E. D. - Determination of the equivalent weight, of ionogenic groups number and molecular weight of the antibiotic ristomycin. p. 401
- Fonin, V. S., Severin, V. A. - Studies on the balance and metabolism of amino nitrogen in Actinomyces spheroides during the process of growth and development p. 405
- Mezenisev, A. S. and others - Production of some olivomycin derivatives and their physicochemical characteristics p. 410
- Pavlovich, S. A. - Antagonistic properties of actinomycetes in soils of the Carpathian mountain p. 414
- Ekzemplarov, O. N. - Effect of tetracycline, levomycetin, monomycin and streptomycin on Salmonella typhimurium phagocytized by macrophages. p. 420
- Ekzemplarov, O. N. - Dynamics of the penetration of tetracycline and streptomycin into macrophages cultivated in vitro. p. 425

- Udaleva, V. S. - Monomycin-dependent forms of *B. subtilis* cells p. 428
- Popenenkova, Z. A., Guseva, E. V. - Effect of indolacryl, a monomycin oxidase inhibitor, on the sensitivity of white mice and rats to tetraerythrin and pneumococcal infection p. 432
- Golikov, A. V., Artemova, A. I. - Vibriostatic effect of some antibiotics on *Vibrio cholerae* p. 435
- Zueva, V. S., Solov'ev, V. N. - Comparative studies on physiological properties of microbes isolated from various inflammatory foci p. 438
- Vasil'ev, V. K., Lazareva, E. N., Pochapskii, V. I. - Effect of some components of ointment bases on the penetration of chlorotetracycline through intact skin in rabbits. p. 442
- Aver'janova, L. L., Fidlerman, E. S., Vol'min, I. H. - Changes in the content of lysozyme in the saliva of rheumatic children under the effect of bicillin therapy p. 445
- Golozova, T. V., and others - Lysozyme titers in patients with various dermatological diseases p. 447
- Livkina, E. G., Popov, N. B., Katsheva, E. I. - Determination of phenylglyoxalase activity in *Escherichia coli* p. 450
- Bass, T. M. - Resistance development and the cross-resistance of staphylococci to neomycin and gentamicin. p. 451
- Kulikova, M. F. - Natural variations in the sensitivity to streptomycin and phthalazid in laboratory strains of mycobacteria p. 455
- Vozonova, G. V., Chakhotinskaya, M. G. - Clinical microbiological characteristics of salmonellae in patients treated with monomycin p. 461
- Gavanska, O. P., Etykova, A. E., Guseva, N. K. - Antibigrams of dysenteric bacilli based on data of the Krasnodar Territorial Sanitary-epidemiological Station p. 465
- Belikov, G. P., Verzin, A. A. - Use of neomycin (Neomycin) in local therapy of infectious diseases of eyelids, conjunctiva and cornea p. 466
- Finn, G. R. - Sensitivity of typhoid bacteria isolated from patients to various antibiotics. p. 471
- Rubtsova, L. K., and others - Experimental and clinical studies on ointments containing tetracycline. p. 472

REFERATIVNYI ZHURNAL: FARMAKOLOGIJA. TOXIKOLOGIJA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY, TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos 11-13, June-July 1965.

## g. PUBLIC HEALTH &amp; NURSING

FEL'DSHER I AKUSHERKA (FELDSHIRT AND MIDWIFE). Issued by Ministerstvo zdravookhraneniia SSSR and Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the U.S.S.R. and the Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 30, nos. 5-6, May-June 1965.

## \* GIGIENA I SANITARIJA (HYGIENE AND SANITATION).

- Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 30, no. 4, Apr. 1965.
- Table of contents translated:  
Shul'ga, T. M. - Substantiation of the maximum permissible daily average concentration of carbon monoxide in the air. p. 3
- Asmangulian, T. A. - Maximum permissible concentration of molybdenum in open bodies of water. p. 6
- Zhuravlev, V. A., Shtannikov, E. V. - Detoxication of water contaminated by the botulinus toxin with the aid of ion-exchange polymers. p. 12
- Patina, A. A. - Establishing norms for the concentration of aluminum halides in bodies of water. p. 16
- Minkin, E. L. - Establishment of borders of the sanitary protection belt of a single coastal collector of underground water. p. 20
- Kovrigin, S. D., Mikhoev, A. P. - Effect of the level of noise on the labor productivity. p. 28
- Tsapko, V. G. - Materials on the establishment of hygienic norms for the concentration of chloroform in the air of a working zone. p. 32
- Kochetkova, T. A., Arkhipova, O. G., Tolgakula, M. S. - Toxicity of the fumes of a new antileukant manganese cyclopentadienyltricarbonyl in the air of industrial premises. p. 38
- Dmitriev, M. T. - Effect of ionizing radiation on the composition of the air of industrial premises. p. 39
- Sanotskii, I. V. - Immediate problems of industrial toxicology. p. 44

- Ternov, V.I. - Effect of prolonged intake of small doses of calcium-45 on some indices of natural immunity. p.47.
- Dushanskaya, N.B. - Introduction of a study regime with reduced work demands to alleviate fatigue of the schoolchildren. p.52.
- Nolkin, E.L. - Activities and creative work of P.A. Kuvshinnikov. p.53.
- Balakhov, E.M. - L.M. Starokadomskii, a ship's doctor, hygienist and scientist. p.58.
- Sipovnikova, S.V. - Method of determining the latent period of the response to contact heat stimulation in the study of microclimate in dwellings. p.60.
- Ol'shovskaya, Z.K., Nul'man, F.S. - Determination of the omopon content in the air and in washings. p.63.
- Faktorovich, M.L. - Results of planning work at a sanitary epidemiological station. p.66.
- Zirinsk, T.P. - Decontamination of water in shallow wells. p.70.
- Damaskin, P.T. - Characteristics of the working conditions of persons handling sources of ionizing radiation. p.71.
- Pimenov, V.N. - Survival of pathogenic *Escherichia coli* of the serotypes 0111 and 055 on children's toys. p.74.
- Lezhninskii, D.A. - Sanitary inspection of lighting in schools. p.76.
- Sobolev, I.A., Khomchik, L.M. - Concurrent burying of solid and liquid radioactive wastes. p.79.
- Gubenskii, I.U.D. - Biological effect of infrared radiation and hygienic standardization of microclimate in radiant heating of apartments. p.81.
- Blukh, S.S. - Water pollution with cancerogenic substances. p.86.
- Rozanov, L.S. - Teaching a course in general hygiene at the public health faculty. p.90.
- Mitrova, G.A., Chekasov, E.F., Kozlova, T.A. - Reply to our opponents. p.95.
- Khvorost, N.N. - Maximum permissible level of radioactive contamination of surfaces. p.98.
- Zaporozhets, T.S., Krasovitskaya, M.L., Malharova, L.K. - Air pollution in the area of a petroleum refining and petrochemical enterprise. p.103.
- Aripkhanov, T.M. - Bacterial contamination of the industrial waters of silk winding plants in Uzbekistan. p.105.
- Kuznetsov, N.S., Ellanskii, I.U.G. - Hygienic evaluation of working conditions on tractors operating at increased speeds. p.107.
- Speclius, J., Susaushkaite, E. - Hygienic evaluation of vocational instruction of high-school students on dairy farms. p.109.
- KIEV. INSTITUT INFEKTSIONNYKH BOLEZNEI**, Sbornik nauchnykh trudov [INSTITUTE OF INFECTIOUS DISEASES. Papers]. No 4, 1964.
- Table of contents translated.
- Kornilushenko, N.P. - Development of the influenzal epidemiological process in Kiev in 1951 - 1961. p.7.
- Tishchenko, I.T., Medved', E.L. - Epidemic outbreaks of virus influenza in 1957 - 1959 in Kiev. p.13.
- Vnall'ova, V.L., Shaikhel, G.Kh. - Incidence of influenza in Kiev and Chernigov Provinces in 1958 - 1959. p.19.
- Gorgolev, T.B., Krasnova, V.G., Lartseva, I.M. - Lethality from influenza during the 1957 and 1959 epidemic in Dnepropetrovsk. p.28.
- Romanov, N.V., Gizeleva, V.D., Gorbenko, E.V. - Characteristics of the epidemiology and etiology of influenza in 1959 in Lvov. p.31.
- Iatol', T.P. - Nature of the antigen structure and biological properties of the type A<sub>2</sub> influenza virus in the process of natural evolution (1957 - 1959). p.36.
- Stremetskii, G.F., Losinskii, A.L. - Methodology of the electronoscopic study of allantoic cultures of the influenza virus. p.42.
- Rybinskaya, L.N. - Problem of humoral immunity in various age groups of the population. p.49.
- Vinograd, I.A. - Study of the variations in the immunity to influenza in the population of Lvov in the epidemic and interepidemic periods of 1959. p.54.
- Rybinskaya, L.N. - Duration of immunity to the A<sub>2</sub> influenza virus. p.58.
- Kornilushenko, N.P., Maksimovich, N.A. - Virological study of the adaptation process of the influenza virus. p.64.
- Iatol', T.P. - Regularity of the development of anamnestic reactions to strains of the group A influenza virus in cross-immunization in white rats. p.71.
- Novikova, N.V. - Problem of viremia in mice following aerosol infection with influenza virus. p.76.
- Maksimovich, N.A., and others. - Pathomorphology of influenza in newborn infants. p.79.
- Sidorenko, E.V. - Preservation of influenza antigen in cadaveric material. p.87.
- Boisman, N.E. - Pathohistology of the respiratory tract in the "Spanish" and contemporary influenza p.91.
- Boisman, N.E. - Fibrous structures of the lung in influenza and bacterial pneumonias. p.98.
- Emakina, V.P. - Morphological changes in the lungs of irradiated mice following infection with influenza. p.104.
- Lebedeva, O.P. - Problem of using bone marrow suspension in the treatment of radiation sickness combined with influenza. p.110.
- Lebedeva, O.P. - Effect of introducing cells of bone marrow and the spleen in irradiated and influenza-infected mice on their survival and anti-influenza immunity. p.114.
- Morozkin, N.I., Birkovskaya, E.A., Pashchenko, A.S. - Course of pneumonias in an interepidemic period and during influenza epidemic. p.125.
- Morozkin, N.I., and others. - Clinical characteristics of the influenza of 1963. p.131.
- Smirnova, M.F., Kurchenko, S.A., Sereda, V.N. - Clinical and virological study of influenza in 1958 - 1959. p.137.
- Chapurskaya, N.A., Blitenbinder, E.A. - Clinical and epidemiological characteristics of influenza in infants in an interepidemic period (1960-1961). p.143.
- Minuk, E.F. - Changes in the cardiovascular system in sporadic influenza. p.149.
- Gorbunova, E.N. - Electrocardiographic and capillaroscopic changes during influenza complicated with lacunar or follicular tonsillitis. p.153.
- Gorbunova, E.N. - Effect of influenza on aggravation of rheumatic carditis and its genesis. p.157.
- Vaschenko, M.A. - Neurological syndromes in influenza during an interepidemic period (1960). p.164.
- Duslenko, A.I. - Clinical characteristics of the course of influenza in tuberculosis patients. p.168.
- Demin, V.I., Pleinev, V.M. - Protein fractions of the blood serum in complicated and uncomplicated influenza. p.173.
- Pleinev, V.M. - Electrophoretic studies on protein fractions of the blood serum in postinfluenza pneumonias. p.180.
- Slobodanik, M.I., Buzhlevskaya, T.I. - Use of fluorescence microscopy for early diagnosis of influenza. p.185.
- Birkovskaya, E.A. - Oxygen therapy in influenza and its pulmonary complications. p.188.
- Kheronskaya, R.I.A. - Testing of hormones (cortisone and prednisone) in pneumonia. p.193.
- Kheronskaya, R.I.A. - Specific treatment of influenza p.199.
- Chernata, T.T. - Determination of neutral 17-ketosteroids in the urine of influenza patients by means of the fraction method. p.203.
- Pervachenko, S.V. - Adenoviruses in respiratory diseases p.213.
- Klebanova, E.E. - Blood picture in adenovirus diseases p.219.
- Volchanetskaya, G.I., Rozina, T.S., Vishniakova, I.U.N. - Problem of the etiology of membranous conjunctivitis. p.223.
- Pervachenko, S.V. - Study on virus-neutralizing antibodies to adenoviruses in infants. p.228.
- Minuk, E.F., Buzhlevskaya, T.I. - Changes in the cardiovascular system in pharyngoconjunctival fever. p.233 (DNLM)
- MEDITSINSKAIA SESTRA [MEDICAL NURSE]**. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol.24, no.6, June 1965.
- h SURGERY & DENTISTRY**
- VESTNIK KHIRURGH [REVIEW OF SURGERY]**. Issued by Khirurgicheskoe obshchestvo Pirogova (Pirogov Surgical Society). Leningrad, vol.93, no.11, Nov. 1964.
- Table of contents translated.
- Petrov, I.R., Gerbut, K.A. - Prolongation of the period of reversible changes under the influence of cerebral hypothermia in serious blood losses. p.3.
- Torokhov, N.T., and others. - Prevention of acute renal insufficiency in connection with hemolysis in surgery with artificial blood circulation. p.9.
- Margulit, M.S., Berzina, U. - Control of adequate heparin neutralization by protamine sulfate in artificial blood circulation. p.16.
- Komicheva, E.U. - Results of surgical treatment of cicatricial stenosis of the pharynx following burns by F.M. Khitrov's method. p.22.
- Ponomarev, L.E. - Gitter and radiological methods of its examination during the preoperative period and at a later time after surgery. p.28.
- Borovoi, E.M. - Repeated operations on the thyroid gland due to a recurring gitter. p.35.
- Kuznetsov, V.A. - Gitter in the Arctic regions. p.37.
- Romankova, M.P., Ryzhenkov, V.E. - Uropepsin content in the urine and 17-hydroxycorticosteroid content in the blood plasma in thoracic surgery p.43.
- Lipskii, A.I., Sprintsen, R.G. - Characteristics of the clinical course and therapy of postoperative thrombosis in the system of the portal vein. p.46.
- Vitlin, V.I., Kotnikov, V.N. - Some morphological and functional changes in the liver in obstructive jaundice p.53.
- Makharova, I.U.IA. - Fluctuations of the electrolyte content of the blood in surgery for liver cirrhosis p.58.
- Serova, E.V. - Economic lung resections in the light of topographic-anatomical data. p.61.
- Krupko, I.L., Dem'yanov, V.M. - Death rate of patients with fractures of the trochanteric region of the hip and ways for its reduction. p.67.
- Mikhailov, G.A. - Anatomic substantiations of expendable incisions for draining the lateral joint. p.73.
- Tkachenko, S.S. - Causes of the development of pseudarthrosis due to the use of metallic osteosynthesis. p.79.
- Apasenko, B.G., Korkhov, V.V. - Causes, frequency and prevention of the breaking of the metallic nails used in osteosynthesis. p.84.
- El'kin, M.A. - Treatment of epicondylitis of the shoulder with hydrocortisone. p.90.
- Chervakov, I.V. - Changes in the subcutaneous veins of the lower extremities in varix. p.93.
- Novikov, V.M. - Rheovasography in the examination of patients with obliterating arteritis. p.96.
- Kuliev, F.Sh. - Intravenous administration of streptomycin in treating osteoarticular tuberculosis. p.100.
- Iukhin, L.S. - Conservative treatment of the dislocation of the acromial end of the clavicle. p.104.
- Suleimanov, V.M. - Operative treatment of a congenital isolated volvulus of the intestine in a 2-day-old infant p.107.
- Chikhacheva, G.V. - Closed isolated rupture of the pancreas in a 4-year-old child. p.107.
- Tikhonov, E.S. - Apparatuses for the fixation of splinters of the lower jaw in the operation of gluing. p.109.
- Flatov, A.N. - Twenty recommendations to physicians for the prevention of errors and dangers in treating patients with hemophilia. p.111.
- Mitunin, N.K. - Organizational problems concerning the treatment of fractures by the method of osteosynthesis with metallic attachments. p.118.
- Mokrovskaya, S.P. - Surgical treatment of nonparasitic cysts of the liver. p.121.
- Brzheskii, V.Ch. - Pirogov (congresses and the zemstvo surgery. p.124.
- Smirnov, A.V., Skernin, M.O. - Review of G.P. Zaitsev and V.A. Golovinski's book "Potentiated anesthesia in a surgical clinic." p.129.
- Teikov, N.A. - Review of V.A. Maikhasian's book "Technique of operations on the stomach." p.133.
- Ornstein, E.G. - "Pseudarthrosis" by At. Radulescu, O.K. Asiklov, A. Volnea. p.135.
- Burakovskii, V.I. - Review of A.A. Busalov and A.M. Damlir's book "Mitral stenosis from the viewpoint of the therapist and the surgeon." p.137.
- Goligorski, S.D., Katsiy, A.M. - Review of M.D. Dzhabad-zade's monograph "Polycystosis of the kidneys, clinical aspects and treatment." p.140.
- Lidskii, I.T. - Review of P.M. Medvedev's monograph "Elephantiasis of the extremities and the genital organs. p.142.
- Kovalenko, P.P. - International symposium on problems of the preservation and transplantation of tissues. p.145. (DNLM)
- i. VENEREOLOGY & DERMATOLOGY**
- VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]**. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.38, no.6, June 1964.
- Table of contents translated.
- Kozhevnikov, P.V. - Problem of the causal classification of dermatoses. p.3.
- Tseradits, G.S. - Histological changes in pemphigus and Dühring's dermatitis. p.10.
- Fedorovskaya, R.F. - Familial psoriasis. p.16.
- Lobanovskii, G.I. - Sensitization of the skin in cutaneous lesions caused by boiler-acetic removing agents. p.21.
- Vachtenheim, J. - Herpes zoster in rheumatoid arthritis patients. p.26.
- Altushin, M.T., Rykova, E.A. - Experimental studies on the effect of polyorganosiloxane liquids on the reactivity of the skin. p.29.
- Rakhmanov, V.A., Kalanlyskaya, M.A. - Diatomite treatment of trophic ulcer of the lower extremities. p.34.

- Popov, I. S., and others - Candidiasis consecutive to the use of antibiotics. p. 37.
- Aizelich, A. M., Vilenina, A. I., Shapov, Z. I. - Conjunctival and corneal lesions in discoid lupus erythematosus. p. 41.
- Bugaeva, M. I. - Nonspecific allergy in cutaneous tuberculosis patients. p. 43.
- Ashmarin, I. U. - Gangrenous pyoderma. p. 48.
- Goldzand, L. L. - Cutaneous and subcutaneous paronychia in children. p. 55.
- Derevanko, L. D. - Effectiveness of Dorogov's antiseptic-stimulant and jagochilus in exudative diathesis in children. p. 58.
- Shimmonov, Z. I., Stonimskii, L. A., Luk'ianova, A. S. - Experience with the prevention of epidermophytosis in industrial plants. p. 88.
- Kivosheev, B. N. - Toxic effect of synthetic antimicrobial preparations in patients with late cutaneous porphyria. p. 80.
- Krongauz, A. N., Frolova, A. V. - Use of long-wave X-ray irradiation in dermatology. p. 66.
- Studitsin, A. A., Smelov, N. S., Aulianov, V. I. - Work of the Rumanian National Conference on Dermatology. p. 69.
- Turanov, N. M., Iarysheva, K. G. - Incidence of venereal diseases in capitalist countries. p. 75.
- Frishman, M. P., and others - Syphilis of the internal organs and of the nervous system in Kharkov during the past 8 years. p. 81.
- Beznos, T. I. - Griseofulvin therapy of onychomycosis in a 2-month-old child. p. 89.
- Orzheshkovskii, V. V., Dovzhanik, S. I., Krupicheva, A. A. - Reiter's syndrome with ankylosing spondylitis. p. 90.
- Academician St. G. Nikolov, on his 90th birthday. p. 92.
- On the 80th birthday of G. N. Trozlanis. p. 93 (DNLM)
- 15. AGRICULTURE**
- GENERAL**
- AKADEMIJA NAVUK BSSR, Minsk. Vestsi, Soryin sel'skospadarchykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin, Series in the Agricultural Sciences]. Minsk, no. 4, 1964.
- Table of contents translated:
- Sontsau, K. M., Raiko, A. A. - Intensification of the production of milk and beef in White Russia. p. 5.
- Rakhuba, M. K. - Content of available phosphorus acid as related to the mechanical composition and agrochemical characteristics of soils. p. 10.
- Udovenka, H. V., Ivanov, M. P. - Effect of the level of nitrogen and phosphorus nutrition on the intensity of the uptake of potassium by plants from nutrient solutions. p. 16.
- Melkazerava, A. A. - Assimilation of phosphorus from phosphoric meal by buckwheat on acid turf-Podzolic soils. p. 23.
- Lapp, A. I., Hlushyna, Z. M. - Effect of trace elements on the yield of corn in loamy turf-Podzolic soils of Polesye. p. 28.
- TSitova, E. S. - Effect of fertilizers on the yield and quality of potato tubers. p. 34.
- Nikitsina, M. S. - Effect of nitrogen fertilizers on the content of protein and crude protein in potato tubers. p. 40.
- Rubanov, V. S. - Perennial lupine as a postharvest crop. p. 45.
- Shapira, D. K., Chukova, E. I., TSKhanouskaya, L. S. - Testing the keeping quality of common cabbage varieties and possible hybrids in White Russia. p. 52.
- Radzduk, A. F. - Use of the preparation potassium salt of  $\alpha$ -naphthylacetic acid for reducing the pre-harvest dropping of apple fruits. p. 58.
- Dorozhkin, M. A., Sapahova, A. A. - Use of trichodermin for controlling Sclerotinia libertiana of cucumbers under glass. p. 64.
- Tarasovich, S. I. - Use of herbicides in weed control of potato fields on peat-bog soils. p. 67.
- Zhauniarovich, A. M., Hradoukin, I. D., Shafranski, A. M. - Land improvement methods for lands oversaturated with water in White Russia. p. 71.
- Kul', V. S. - Hydraulic calculations for tile drainage pipes. p. 78.
- Rudenko, I. A. U. - Effect of the methods of the utilization of a sown grass stand on its botanical form and productivity. p. 83.
- Makarov, I. L. - Use of the alternating heating system in the incubation of goose eggs. p. 88.
- Ilyn, M. M. - Effectiveness of crossing local White Russian geese with highly-productive breeds. p. 95.
- Kavalev, M. A., Zibitsker, D. I. A. - Importance of late injection in the immunization of animals using antirabic vaccine. p. 101.
- Latsiankou, M. I., Filatkovskii, S. M. - Biological activity and mechanism of the antimicrobial action of chlorotetracycline and oxytetracycline. p. 107.
- Ivanov, D. P., Nikol'skaya, M. N. - Prophylaxis of anemia in piglets using iron glycerophosphate in the feeding of pregnant sows. p. 114.
- Papou, A. A. - Some problems of the clinical aspects and epidemiology of lymphomatosis of chickens. p. 123.
- Bohush, A. A. - Seasonal change in the blood of ducks and its importance in the evaluation of the productivity of breeding stock. p. 129.
- GORKI, SEL'SKOKHOZIAISTVENNYI INSTITUT, Trudy [AGRICULTURAL INSTITUTE. Transactions]. Vol. 9, 1958.
- Table of contents translated:
- Khrushcheva, E. P. - Development of mycorrhiza in wheat depending upon the cultivation practices. p. 5.
- Gorinchev, V. V. - Frost resistance and the productivity of winter wheat. p. 16.
- Volkova, G. I., Khrushcheva, E. P. - Composition of hill-placed fertilizers for corn on grayforest-steppe soils and the development of mycorrhiza. p. 27.
- Rubtsova, M. S. - Activity of some oxidative enzymes in double interlinear hybrids of corn and the parental forms. p. 41.
- Alimbekova, M. G. - Diseases of corn in Gorkiy Province. p. 51.
- Kiselev, A. S. - Application of boron fertilizers to flax. p. 58.
- Soboleva, M. A. - Productivity of grass mixtures containing Roegneria and bird's-foot trefoil. p. 88.
- Rudakova-Nogteva, M. N. - Characteristics of the anatomic structure of meadow foxtail shoots and the physiological functions of fan cells of their leaf epidermis. p. 82.
- Vesolovskaya, I. A. - Effect of bacterization on the nitrogen and carbohydrate metabolism of the blue hybrid alfalfa. p. 95.
- Galkin, K. A. - Chemical weed control in corn fields. p. 102.
- Fomin, L. V. - Determining the sucking power of plants. p. 109.
- Zemlanov, V. N. - Frost damage to apple trees of various ages in the winter of 1955-1956 in Gorkiy Province. p. 123.
- Sankin, L. S. - Application of grafting in the breeding of melons. p. 140.
- Matchevskaya, T. V. - New cucumber pests. p. 163.
- Kalinin, M. I. - Fattening of calves. p. 167.
- Pechishchev, I. F. - Raising late fall piglets in warm and cold premises. p. 179.
- Lavakova, V. F. - Nutritional value of clover leaves as a concentrate substitute in swine feeding. p. 189.
- Tatarintsev, I. I. - Efficiency of the use of self-feeders in pig fattening. p. 196.
- Novostreva, L. S., Volgina, A. A. - Antibiotics as stimulators of the growth and development of piglets. p. 202.
- Pechishchev, I. F. - Origin, penetration into the forest zone of the North and intraspecific breeding of the northern short-tailed sheep. p. 206.
- Kapalinskaya, A. A. - Methods for the improvement of Gorkiy sheep. p. 219.
- Andrianov, N. N. - Conception and duration of pregnancy in the mares of the Soviet draft type breed. p. 224.
- Makhonova, A. M. - Sheep breeding in Gorkiy Province. p. 233.
- Lavrent'eva, G. F. - Methods of studying the bile secreting function of the liver in chickens. p. 247.
- Ryzhova, A. A., Shershevskaya, E. N. - Helminths of the poultry of Gorkiy Province. p. 252.
- Matveeva, M. I. - Lifetime and fertility of some species of ichneumon flies in connection with various feeding regimes of adult forms. p. 262.
- Babich, V. A., Godukhin, V. M., Patrusev, A. A. - Mechanization of postharvest processing of grain. p. 275.
- Godukhin, V. M., Chevklov, V. I. - Studying the automatic device of the SKG-4 potato-planting machine. p. 284.
- Mikhailovskii, E. V., Gurevich, I. B. - Studying the running-in process of automobile motors. p. 286 (DNAL)
- KAZAKSTANNYN AUYL SHARUASHYLYGY [KAZAKHISTAN AGRICULTURE]. Alma-Ata, no. 6, June 1965, [in Kazakh]
- KHMIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 3, no. 4(18), Apr. 1965.
- Table of contents translated:
- Cheremisinov, G. A. - Basic ways for increasing the effectiveness of mineral fertilizers. p. 2.
- Shedrov, S. G. - Modern problems of the liming of soils. p. 9.
- Zavorotchenko, I. S. - Effect of the various forms of potassium and phosphorus fertilizers on the yield of hemp grown in peat-bog soils. p. 12.
- Sushchevich, A. V. - Cluster placement of fertilizers under sugar beet seed plants. p. 14.
- Tabachkova, I. U. - Effect of fertilizers on the yield of the forage forms of Lupinus polyphyllus. p. 16.
- Chernyshev, A. K. - Some problems of safety engineering in handling liquid ammonia and its water solutions. p. 18.
- Kreshkov, A. P., Iakovenko, A. N., Nevskaya, V. N. - Methods for the analysis of calcium cyanamide and their comparative characteristics. p. 19.
- Romanuk, L. I., Larin, A. I. - Effect of D9 preparation on soils and plants. p. 22.
- Andreeva, E. I., and others. - Fungicidal activity of some arsenic organic compounds. p. 28.
- Susha, V. I. - Method for chemical control of the pear gall mite Eriophyes pyri. p. 30.
- Krupskii, N. K., Krasnopol'skaya, L. F. - Effect of chlorine organic insecticides on the nitrogen fixation by pulse crops. p. 34.
- Zbarskii, E. A., Andreeva, E. I. - Effectiveness of carbothion against cotton wilt. p. 35.
- Romanova, L. V. - Chemical preservation of moist sunflower seeds. p. 38.
- Konev, A. D., Gerasimova, T. A. - Effect of some triazine derivatives on the weediness and yield of peas. p. 46.
- Litvinov, N. I. - Results of testing bluet as a herbicide in Donetsk Province. p. 49.
- Antonuk, V. G. - Use of herbicides in the woody plant section of a nursery. p. 53.
- Chkanikov, D. I., Pavlova, N. N., Gertsuekt, D. F. - Halophenols as the products of the metabolism of halophenoxyacetic acids in plants. p. 55.
- Lotenkov, M. I. - Effect of chlorotetracycline on the viability of ducklings. p. 61.
- Maksakov, V. I., and others. - Effectiveness of the use of amide-mineral mixtures in feeding beef pulp to cattle. p. 66.
- Nazarenko, V. I. - Use of urea in cattle feeding in the U.S.S.R. p. 71.
- In the Scientific Technological Council of the Ministry of Production and Procurement of Agricultural Products of the R.S.F.S.R. p. 72.
- Vol. 3, no. 5(19), May 1965
- Table of contents translated:
- Mosulova, L. V. - Effect of the amount and ratio of potassium and calcium in nutrient media on the yield and quality on winter wheat grain. p. 2.
- Shil'nikov, I. A. - Some problems in the liming of meadows. p. 6.
- Zotov, A. A. - Effectiveness of phosphorus fertilizers in mountain meadows of the Northern Caucasus. p. 11.
- Gladukovich, L. I. - Effectiveness of mineral fertilizers on a hilly valley slope. p. 14.
- Zagrebaev, I. I., Nikiforov, V. S. - Use of mineral fertilizers and herbicides in meadows of the taiga borderland in Western Siberia. p. 16.
- Mel'nikov, N. N. - Problems in searching for and developing insecticides. p. 18.
- Perminakova, N. M. - Causes of the resistance of the gray sugar beet weevil Thymecus palliatus to polychlorophenol. p. 24.
- Kaluzhina, T. N., Gar, K. A., Makarov, V. M. - Studying the effect of insecticide poisoning on the process of tissue respiration in the imago and larvae of the housefly (Musca domestica L.). p. 28.
- Roslavtseva, S. A. - Synergists for DDT. p. 31.
- Adashkevich, A. P. - Comparative effectiveness of phosphorus organic preparations used against the cabbage aphid. p. 34.
- Shiforova, T. A., Semenova, S. A., Krotova, L. F. - Systemic acaricidal properties of some phosphorus organic compounds. p. 35.
- Bychenko, I. I. - Movement of herbicides in the soil. p. 38.
- Lukashev, A. I. - Results of testing herbicides in sunflower fields. p. 41.
- Ladonin, V. F., Beketova, L. I. - Toxicity of carboline to wild oats and wheat as related to various conditions. p. 46.
- Bakumenko, L. A., and others. - Physiological activity of some new derivatives of aryloxyalkylcarboxylic acids. p. 50.
- Stonov, L. D. - Defoliant and desiccants. p. 53.
- Kvetkovskii, G. I., Slosarov, I. K. - Chemical composition of the meat of animals fed carbamide and ammonium salts. p. 61.
- Gorokhov, V. V., and others. - Prophylaxis of fascioliasis in calves using molluscicides. p. 64.
- Frolov, B. A. -  $\mu$ -Cresyl ester of N-methylcarbamate acid as an acaricide. p. 65.
- Istomin, L. I., Krupnik, A. I. A., Tikhomirov, B. I. - Planning the deliveries of fertilizers using computing machines. p. 67.
- Pavlov, G. S. - Some ways for reducing expenditures in the transportation of mineral fertilizers. p. 70.

- Meinikov, N.N. - Production of pesticides in the U.S.S.R. during 1963. p.73.
- Novozhilov, E.V., Gai, K.A. - Scientific research work in searching for new pesticides in Italy. p.74.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION].** Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 6, 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO KIRGIZII [COLLECTIVE AND STATE FARM PRODUCTION OF KIRGHIZIA].** Issued by Ministerstvo sel'skogo khozaistva Kirgizskoi SSR [Ministry of Agriculture of the Kirghiz S.S.R.]. Frunze, vol. II, no. 6, June 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO MOLDAVII [COLLECTIVE AND STATE FARM PRODUCTION OF MOLDAVIA].** Issued by Ministerstvo sel'skogo khozaistva Moldavskoi SSR [Ministry of Agriculture of the Moldavian S.S.R.]. Kishinev, vol. 10, nos. 6-7, June-July 1965.
- KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TURKMENISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TURKMENISTAN].** Issued by Ministerstvo sel'skogo khozaistva Turkmenoi SSR [Ministry of Agriculture of the Turkmen S.S.R.]. Ashkhabad, vol. 9, no. 5, May 1965.
- KRFST'IANKA [THE PEASANT WOMAN].** Published by Izd-vo [Publishing House] "Pravda," Moscow, vol. 44, no. 6, June 1965.
- LENINGRAD, SEL'SKOKHOZIAISTVENNYI INSTITUT. Zapiski [AGRICULTURAL INSTITUTE. Records].** Vol. 85, 1961. Mechanization and electrification of agriculture.
- Table of contents translated
- Kazaitsev, V.I. - Use of the method of mathematical statistics for evaluating the durability of machine parts and their wear. p.3
- Tiur, R.A. - Selecting optimal electrical and aerodynamic parameters for the process of metallization using a high frequency current. p.18
- Andreev, A.N. - Effect of additive sulfur in diesel oil on the process of the running-in of couplings. p.23
- Krivykhov, V.M. - Methods for comparative studies of the wear resistance of metallized coating using friction machines designed by the Leningrad Polytechnical Institute. p.30
- Lukin, O.A. - Selecting the type of hard alloy and geometric parameters of a cutter for grinding of metal hard faced by high-grade electrodes. p.36
- Galibin, G.A. - Determining the elasticity modulus of a metallization layer. p.42
- Kvar, I.A. - Shortcomings in grinding worn-out crankshaft journals of motortruck and tractor engines in relation to the rigidity of the grinding machine. p.47
- Tsyrla, A.A. - Extending the serviceability of unevenly worn-out parts. p.52
- Shevchenko, A.I. - Some results of studying the process of build-up welding with a weaving arc. p.61
- Smekhanov, V.A. - Physical and mechanical properties of metal hard faced in an atmosphere of carbon dioxide. p.66
- Doblin, V.V. - Testing the scintillation counter designed by the Central Scientific Research and Design Institute for Fuel Systems of Motortruck, Tractor, and Stationary Engines for studying the wearing out of engine parts using radioisotopes. p.74
- Mironov, L.I. - Selecting inductors and systems for induction hardening of pistons. p.82
- Travitskaya, E.O. - Corrosion rate of aluminum alloys in an atmosphere of sulfur dioxide. p.87
- Iofinov, S.A. - Automatic control and calculations of power expenditure by tractor-driven machinery and methods for establishing norms for tractor work. p.90
- Zaitsov, V.P., Loman, P.P. - Various systems of mounting the RDI-3 dynamometer on the "Belarus" and DT-54 tractors. p.100
- Boezovskii, V.L. - Studying mushroomlike turns. p.108
- Piskarev, A.N. - Rotary dynamometer. p.118
- Loman, P.P. - Establishing norms for tractor work using a temporary RDI-3 dynamometer. p.125
- Tushin, B.G. - Dynamics of airflow in grain cleaning machines of the "Triumf" type. p.138
- Grigor'ev, S.M., Kireev, M.V., Luzanov, E.M. - Experimental study of the possibility of the use of the inner surface of a horizontally rotating cylinder for cleaning and grading of seed. p.143.
- Gaigov'ci, S.M., Kireev, M.V. - Analyzing the working process of an electromagnetic seed cleaning machine using the inner surface of a rotating cylinder. p.162
- Lut'ci, A.B. - Derivation of the equation for the system of the automatic regulation of the running depth of tractor-driven plows. p.172
- Iofinov, A.P. - Combined system of the automatic regulation of the running depth of tractor-driven tillage implements. p.177
- Temkhev, F.I. - Experimental data on determining the velocity of the axial movement of grain in a cylindrical cleaner. p.183
- Lut'ci, A.B., Iofinov, A.P. - Automatic regulation of the running depth of tractor-driven plows. p.192
- Luzanov, E.M. - Use of a spherical probe for determining the velocity field of the cleaning unit of a combine. p.207
- Kireev, M.V. - Analyzing the work of a cylindrical sieve. p.211
- Meinikov, S.V., Mikhailov, I.U. - Evaluating the performance quality of a fertilizer spreader of a drum type. p.220
- Lisovskii, I.V. - Machine stacking of glass on racks. p.229
- Barhenova, K.N. - Studying the work of the RPT-2 spreader of organic-mineral fertilizers. p.234
- Kudrjavtsev, A.N. - Agritechnical study of the work of a reel in harvesting lodged grain. p.240
- Domaratskii, P.I. - Results of studying the work of a stellate disk harrow in preparing seedbeds for sowing. p.246
- Tsvetnikov, V.I. - Effect of the forced vibration of a plow on the stability of soil structure. p.252
- Prilyukov, P.E. - Studying the working process of the deseeding apparatus of the LK-7 flax combine. p.260
- Vasil'ev, V.A. - Use of rheostat transducers in field research on the work of mounted plows. p.267
- Ivanovich, E.M. - Problem of the single-seed sowing of vegetable crops under glass. p.271
- Taran, A.I. - Determining the average speed of the movement of material on flat sieves and inclined boards. p.276
- Zhevlakov, P.K., Stetsalin, F.G. - Methods for designing feed guides. p.287
- Voina, V.E. - Experimental study of forces acting on the working part of a horizontal scraping conveyor for removal of farm manure. p.292
- Puchkov, V.A. - Determining when steamed potatoes are done. p.300
- Soboleva, K.A. - Bases for the possibility of the use of hammer mills for grinding food wastes. p.303
- Trolov, A. - Small-size current takeoff for the oscillographic studies of machine parts. p.306
- Sidorov, N.G. - Studying the turning of a crawler tractor. p.310
- Sidel'nikov, I.U.A. - Studying the magnitude of effective bending stresses in the piston teeth of gearboxes of the KDP-35 tractor. p.315
- Nacharian, S.A. - Prospects for the use of semiconductors in agriculture. p.319
- Krichinskii, I.S. - Selecting the phase-regulating unit of an electric admittance-type grain moisture meter. p.326
- MEKHANIZATSIYA SIL'SKOGO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE].** Organ of Ukrain'ske ob'ednannia Rady Ministriv URSR "Ukrain's'kospetsialna" [Ukrainian Association "Ukrain's'kospetsialna" of the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 10, nos. 6(180)-7(187), June-July 1965.
- \* POCHVOVEDENIE [SOIL SCIENCE]** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no.3, Mar. 1965.
- Table of contents translated:
- Chernov, V.P. - Typical Podzolic soils in Perm Province formed on topsoil and moraine loams. p.1
- Filimonova, L.G. - Characteristics of taiga soils in Aldan and Tommot regions of the Yakut A.S.S.R. p.13
- Shleinitz, R.I. - Differences in the soil formation under spruce and oak forests in the northwestern part of the U.S.S.R. p.20
- Reintam, L., Raukas, A. - Changes in the mechanical, mineralogical, and chemical characteristics of turpudollic soils on carbonate rich red-brown moraine. p.29
- Mizerov, A.V. - Classification of cultivated soils as exemplified in Karelia. p.38
- Orin, A.M., Nazarov, G.V. - Comparative characteristics of the percolative capacity of soils in the forest-steppe zone of the European part of the U.S.S.R. p.47
- Tselishcheva, L.K. - Effect of the thickness and free porosity of the drying layer on evaporation rates. p.62
- Enliev, Kh.Kh., Tret'nikov, K.G. - Effect of the polymer K-4 on the chemical characteristics of soils and plants. p.57
- Orlov, A.I., Koshel'kov, S.P. - Evaluating the fertility of forest soils. p.62
- Sinagin, I.I. - Some characteristics of the chemical composition and fertility of soils in Indonesia. p.72
- Godunov, I.B. - Problem of increasing the productivity of meadow sulfate-soda Solonchaks soils. p.82
- Golovanov, A.I. - Thawing of flooded peat bogs. p.84
- Golobov, A.D. - Determining manganese by the photometric method using formaldehyde. p.89
- Kruger, T.P., Kim Bon Khl. - Determining the absorption capacity of carbonate rich salinized soils by the Pfeffer method. p.93
- Margoul, A., Kondelik, P. - Solubility of humic acids in alcohols. p.96
- Kharitonova, E.P. - Methods for the removal of roots from soil. p.97
- Godlin, M.M. - Soil propeller auger. p.98
- Levshin, B.V., Surinov, V.M. - A valuable source of the history of Soviet soil science. p.99
- Ralkov, Lulcho - Achievements of Bulgarian soil science. p.100
- 70th birthday of Nikolai Antonovich Kachinskii. p.105
- Okhapkin, P.P. - 80th birthday of Stepan Leonovich Shebekin. p.107
- Bibliography. p.108.
- No.4, Apr. 1965.
- Table of contents translated.
- Gael, A.G., Smirnova, L.F. - Classification of light soils based on their wind erodibility. p.1
- Fridland, V.M. - Structure (formation) of soil cover. p.15
- Eloveskaya, L.G. - Salinized soils in Yakutia. p.26
- Nemchinova, Z.F. - Gleyey dark-colored turf soils in Northwestern Russia developed on carbonate rich and noncarbonate deposits. p.34
- Zonn, S.V. - Soil survey service and soils in India. p.41
- Nemeruk, G.E., Pal'tsev, V.P., Sineglazova, V.F. - Factors affecting the migration of ammonium from soils. p.65
- Veselkina, R.V. - Studying the effect of soil conditions on the available lion content of soils as exemplified by soils in the Leningrad zone. p.64
- Kulikov, N.V., Timofeeva, N.A. - Accumulation of cobalt by plants as related to the content and forms of its compounds in the soil. p.70
- Mackenzie, R.G. - Clayey minerals in Scottish soils. p.75
- Romashkevich, A.I. - Micromorphological indices of the processes forming Red soils and red-colored weathering surface on the Black Sea coast in the Caucasus. p.87
- Avyushchev, I.V., Karayev, N.M. - Determining acid groups in humic acids and some other organic compounds. p.97
- Ranov, V. - Microflora of salinized soils in Bulgaria. p.104
- Turnas, P.A. - Utilizing peat soils of drained bogs in agriculture and forestry. p.117
- Glazovskaya, M.A., Liverovskii, I.U.A., Nikolai Nikolovich Sokolov, on his 70th birthday. p.121
- Bibliography. p.123.
- REFERATIVNYI ZHURNAL POCHVOVEDENIE. UDOBRENIE MELIORATSII (Odel'nyi vypusk 57) [JOURNAL OF AGRICULTURAL SCIENCE. FERTILIZERS. RECLAMATION (Separate issue 57)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 12-13, June-July 1965.
- SBORNIK RABOT PO MEKHANIZATSII I ELEKTRIFIKATSII [COLLECTIVE AND STATE FARM PRODUCTION OF KIRGHIZIA].** Issued by Institut mekhanizatsii i elektrifikatsii sel'skogo khozaistva [All-Russian Scientific Research Institute for the Mechanization and Electrification of Agriculture]. Zernograd, no.6, 1963.
- Table of contents translated
- Zhukov, G.K. - Loose housing of cows. p.3
- Norolrainsov, F.K. - Ways for increasing the production and reducing the cost of pork. p.12
- Koyatev, M.A., Mikhail'chuk, A.N. - Automated swine farm on the "Donskino" State Farm. p.18
- Budarin, V.A. - Extensive metallic feeder. p.23
- Osmul, V.G. - Practices in corn growing used by M.A. Vasil'evskii's team. p.25
- Chunachenko, I.A. - Coupling the "Kherosonets" combine with the SK-3 combine. p.28
- Degtyarev, V.A., Zemlinskii, B.A. - Dynamics of the valve mechanisms of the distributor of a divided hydraulic system of tractors. p.33
- Tokarov, N.A. - Acceleration of tractor-drawn machinery units with a flexible coupling. p.48
- Usov, V.V. - Prolonging the durability of a chain transmission. p.55
- Lishin, A.G. - Effective increase of the working speed of tractor-drawn machinery units. p.63.



- Nedovesov, V.I., Filatov, N.V. - Universal mover for grain windrows. p. 88.
- Gar'kayl, V.V., Krasnopolskiy, A.N. - Connecting polyethylene pipes. p. 95.
- Chumachenko, I.A. - Mechanical separator of a reaper. p. 97.
- Ustimenko, V.P. - Mobile tensiometric laboratory. p. 99.
- SEL'SKII MEKHANIZATOR (THE RURAL MECHANIC).** Issued by Ministerstvo sel'skogo khozinstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 6, June 1965.
- SEL'SKOE KHOZIAISTVO BELORUSII (AGRICULTURE OF WHITE RUSSIA).** Issued by Ministerstvo sel'skogo khozinstva Belorusskoi SSR [Ministry of Agriculture of the White Russian S.S.R.]. Minsk, vol. 13, nos. 7(175), 10(178), 12(180), Apr. - June 1965.
- SEL'SKOE KHOZIAISTVO KAZAKHSTANA (AGRICULTURE OF KAZAKHSTAN).** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan], Alma-Ata, vol. 15, nos. 6-7, June-July 1965.
- SEL'SKOE KHOZIAISTVO TADZHIKISTANA (AGRICULTURE OF TAJIKISTAN).** Organ of Ministerstvo sel'skogo khozinstva Tadzhikskoi SSR [Ministry of Agriculture of the Tajik S.S.R.]. Dushanbe, vol. 19, no. 7, July 1965.
- SEL'SKOE KHOZIAISTVO UZBEKISTANA (AGRICULTURE OF UZBEKISTAN).** Issued by Ministerstvo sel'skogo khozinstva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.]. Tashkent, nos. 5-6, May-June 1965.
- SEL'SKOKHOZIAISTVENNAIA LITERATURA CHEKOSLOVAKII (AGRICULTURAL LITERATURE OF CZECHOSLOVAKIA).** Issued by Chekoslávatskaia akademiya sel'skokhoziaistvennykh nauk and Institut nauchno-tekhnicheskoi informatsii [Czechoslovak Academy of Agricultural Sciences and the Institute of Scientific and Technical Information] Prague, no. 3/4, 1964.
- SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR (AGRICULTURAL LITERATURE OF THE U.S.S.R.).** Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka [Central Agricultural Library] Moscow, no. 10, 1964.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA (AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY).** Issued by Ministerstvo sel'skogo khozinstva RSFSR [Ministry of Agriculture of the R.S.F.S.R.]. Saratov, vol. 3, nos. 6-7, June-July 1965.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TATSO (AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION).** Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Krasnodar, vol. 3, nos. 6-7, June-July 1965.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA (AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST).** Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Omsk, nos. 5-6, May-June 1965.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA (AGRICULTURAL PRODUCTION OF THE URALS).** Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Sverdlovsk, vol. 3, no. 6, June 1965.
- SOTSIALISTIK POLUMAJANDUS (SOCIALIST AGRICULTURE).** Issued by Eesti NSV Põllumajanduse Ministerium [Ministry of Agriculture of the Estonian S.S.R.]. Tallinn, vol. 20, nos. 11-13, June-July 1965. [In Estonian]
- TEKHNIKA V SEL'SKOM KHOZIAISTVE (MACHINERY IN AGRICULTURE).** Issued by Ministerstvo sel'skogo khozinstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 25, no. 5, May 1965.
- Table of contents translated:  
Repp, Kh., Kedder, Kh. - Increase the role of an engineer in the direction of agricultural production. p. 1.
- Stetsenko, G. - Sugar beet growing by K.I. Luk'lanov's team. p. 6.
- Gudzenov, I. - Potato planting with the SN-4, SN-4A, and SN-4B planters. p. 9.
- Genson, A., Kulagin, M., Shavin, S. - Use of bins in potato planting. p. 14.
- Patlakin, A., Pakhomov, I. - Centrifugal spreader of mineral fertilizers. p. 18.
- Bogatov, E., Shonagina, L. - Technology of laying subsurface drainage in peat soils. p. 20.
- Lavrushin, L. - Conveying liquid feed mixtures by shearing. p. 23.
- Shcherbatykh, M. - Standardized units for sheep-shearing. p. 25.
- Must, E. - Studying various methods for cooling milk at farms. p. 26.
- Putanin, M., El'tso, E. - Ploughing under shrubs in floodlands. p. 30.
- Lazarov, A., Serebriakov, P. - The KDM-46 and KDM-100 modified engines. p. 33.
- Kun, M., Kashintsev, A., Rogachev, G. - The SNK-4 potato planter. p. 35.
- Valueva, T., Valuev, V., Titovets, K. - Hydraulic markers for potato planters. p. 37.
- Komarov, L., Gilgorian, L., Shkirkin, G. - Economic effectiveness of the use of the DT-20K tractor and KVP-2, 8 cultivator. p. 39.
- Lupanov, A., Topada, M. - The PU-0,5 multi-purpose loader. p. 41.
- Starodunov, A. - Make better use of agricultural machinery and tractors. p. 43.
- Vaganov, A., Zhigan, V. - Crawler tractor-driven wide-grab units for interillage cultivation. p. 46.
- Chubarin, M. - Improve the planting of seedlings. p. 48.
- Chernichkin, A. - Calculations of transportation means for fertilizer handling. p. 54.
- Sadovskii, M., Sharapalev, M. - Increasing the reliability of fertilizer spreaders. p. 55.
- Ermakov, I., Kravtsov, I. - Characteristics of the operation of the ZIL-130 and GAZ-53 motor-trucks. p. 57.
- Zakharinskii, V. - Adjusting fuel pumps to engines. p. 59.
- Miroshnichenko, N. - Graphic method for technical maintenance. p. 60.
- Tsvetkov, V. - Utilization of heat losses of boilers. p. 62.
- Zhirnov, A. - Repairing oil pumps of motor-trucks and tractors. p. 63.
- Trofinov, V. - Repairing oil pump parts of the SMD engines. p. 65.
- Karosas, I., Paramonov, M. - Electric welding equipment for repairing machines in the fields. p. 68.
- Kravtsov, I. - A new hand tire-repairing instrument. p. 70.
- Korol'kov, I. - Restoring bronze bearing by the thermomelting method. p. 73.
- Luplari, G., Smirnov, S. - Portable acetylene gas generator. p. 74.
- Fishchenko, P. - Specialization of repair and workshops in Kherson Province. p. 75.
- Nassonov, V., Gorechakov, A. - Selecting parameters for build-up welding with a pulsation arc on a direct current. p. 77.
- Turgiev, A. - Determining the state of an engine without dismantling. p. 79.
- Men'shikov, N. - Improving the work of potato planters. p. 82.
- Ivanov, N. - Spreading fertilizers with the KRN-4, 2 cultivator. p. 82.
- Aravitskiy, N. - Device for boring the wheel hubs of a planter. p. 84.
- Pipko, V. - Rapid and reliable connecting of polyethylene pipes. p. 84.
- Speransov, N. - Some advice for the organization of the use of petroleum products. p. 86.
- Gorinskiy, V., Omel'ian, A. - Technique for the construction of drainage structures. p. 89.
- UZBEKISTON KISHLOK KHUZHALIGI (AGRICULTURE OF UZBEKISTAN).** Organ of Ministerstvo sel'skogo khozinstva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.]. Tashkent, no. 5, May 1965. [In Uzbek]
- VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI (REVIEW OF AGRICULTURAL SCIENCE).** Issued by Ministerstvo sel'skogo khozinstva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S.S.R.]. Alma-Ata, vol. 8, no. 2, Feb. 1965.
- Table of contents translated:  
Kovalev, A.E. - State and prospects of the development of animal husbandry in Aktyubinsk Province. p. 3.
- Borznagiev, K. - Pea yield as related to the time, methods, and rates of sowing in the Terskai Alatau. p. 11.
- Almazhanov, A.A., Uzenbaev, E.E. - Effect of irrigation on the generative organs of cotton. p. 17.
- Maliugin, P.A. - Growing farm crops under irrigation in sandy-loam soils. p. 20.
- Sutulov, P.I. - Effect of finishing conditions on the quality of meat in young Red Steppe cattle. p. 26.
- Imangaliyev, A. - Adayevka horses. p. 30.
- Viatkin, S.K. - Control of white muscle disease in ducklings and lambs on state farms in North Kazakhstan Province. p. 35.
- Akhmediev, T. - Treating necrobacillosis in sheep. p. 39.
- Kuznetsov, V.I., Butov, P.M. - Use of native antibiotics in sheep husbandry. p. 44.
- Khabibullin, R.A. - Testing live avirulent Histoplasma vaccine produced by the Alatau Veterinary Institute under farm conditions. p. 46.
- Malev, M.K. - Studying the movement of seed in the distribution systems of furrow openers for sowing on stubble. p. 51.
- Mosin, V.I. - Determining the intensity of the growth of seed sprouts by the weight method. p. 58.
- Albasov, E.B. - Treating salinized soils by direct electric current with periodical shifts of polarity. p. 63.
- Kiseleva, V.A. - Zooplankton in the Ust'-Kamenogorsk Reservoir. p. 67.
- Grihanov, L.N. - Classification of the types of isolated highland pine forests in the Central Kazakhstan Penepain and the Kalba Range. p. 73.
- Ganev, A.Kh. - Comparative study of corn and sorgho in Kustanay Province. p. 83.
- Kazanskii, A.M., Beloborodov, P.K. - Great contribution to the scientific working out of the problem of the economic evaluation of land. p. 86. (DNA)
- VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI (REVIEW OF AGRICULTURAL SCIENCE).** Issued by Ministerstvo sel'skogo khozinstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, no. 8, Aug. 1963.
- Table of contents translated:  
Science as an important sector of the ideological front. p. 1.
- Rubin, B.A. - Present-day concepts of the nature of photosynthesis. p. 5.
- Varentisa, E.T. - In the course of a radical reorganization. p. 18.
- Rustamov, A.K. - Higher agricultural education in Turkmenistan. p. 27.
- Kuznetsova, L.V. - Placement of manure-turf composts for potatoes. p. 31.
- Usk, G.E. - Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. p. 37.
- Pliss, D.S. - Secondary crops and the intensification of the production of feeds. p. 41.
- Chesalin, G.A., Ramazanov, Kh.D. - Chemical control of the wild oat. p. 44.
- Shumilov, S.D. - Extermination of shrubs and meadow weed plants using herbicides in the Ob' Valley. p. 47.
- Galka, A.T. - Effect of gamma-rays on the yield of watermelons. p. 53.
- Sazanov, V.I., Lukancheva, A.G. - Practices in breeding winter rye. p. 55.
- Khadzhinov, M.I., Kazankov, A.F. - A new corn hybrid. p. 59.
- Belevtsev, D.N. - Oil formation and the development of sunflower seeds in a zone of insufficient moisture. p. 62.
- Utkin, V.V. - Slow germinating seeds and the viability of the sprouts of the wild vetch in the Crimea. p. 70.
- Musae, M.A., Gvozdenko, T.M., Abdullaev, T.I. - Variability of the varietal indices of tomatoes as related to the conditions of growing. p. 74.
- Denisov, N.I. - New system for the evaluation of the nutritive value of feeds and the rate of feeding animals. p. 78.
- Starovolov, A.M. - Interrelation between digestion and the metabolism of endogenous proteins in swine. p. 86.
- Bereznev, A.P. - Oxytocin as a stimulator of semen emission in bulls. p. 91.
- Sergeev, M.P., Repetov, A.N. - Interaction between loading and transporting means. p. 98.
- Piltay, S.D. - Change in the quality of seeds under the impact of loading. p. 101.
- Pechelkin, I.U. - Initial moisture content of a drying agent and the intensity of drying. p. 105.
- Mosin, M.A. - Tillage in wide row plantations of potatoes. p. 108.
- Rubin, S.S., Moiseichenko, V.F. - Distribution of nutrients in fruit trees under the isolated nutrition of individual roots. p. 111.
- Voronova, T.G. - Use of growth stimulators in the reproduction of fruit and berry crops in Sakhalin. p. 118.
- Slankov, N.Z., Ladonina, T.P., Timofeeva, A.A. - Determining the absorbing surface of the root system of plants. p. 125.
- Khitirinskii, V.F. - Early sowing of winter crops as a method of breeding for winter hardiness. p. 131.

- Bektemirov, T. A., Sokkar, I. M. - Studying the virus strains of Newcastle disease of various virulences p. 140.
- Suslov, V. M. - Achievements of a scientist and plant breeder, about V. S. Pustovoi. p. 146.
- Georgieva, R. - Michurin breeding methods and the interspecific tomato hybridization p. 150.
- Gubin, V. - A book on the biology of the bee colony and the victories of science p. 156.
- Sinaglin, I. - Sokrat Konstantinovich Chalanov p. 158.

## b. ANIMAL INDUSTRY

KERCH. AZOV-CHERNOMORSKI NAUCHNO-ISSEDOVATELSKI INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAPHII. Trudy [AZOV-BLACK SEA SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY, Transactions]. No. 23, 1964. Oceanographic studies of the Black Sea.

Table of contents translated:

- Novitski, V. P. - Vertical structure of a water column and general features of the circulation of the Black Sea waters. p. 3.
- Biluk, V. A. - Characteristics of the dynamics of the waters of the southeastern part of the Black Sea and distribution of oceanographic elements. p. 23.
- Golobov, I. A. K. - Evaluation of the state of the chemical basis of biological productivity of the Black Sea and some characteristics of its formation. p. 33.
- Golobov, I. A. K. - Methodology of studying internal waves in the Black Sea. p. 49.
- Mashitakova, G. P. - Effect of waters of continental runoff on the development of phytoplankton in the northwestern part of the Black Sea. p. 55.
- Gorodanova, S. A. - Seasonal development and distribution of zooplankton in the northwestern part of the Black Sea. p. 69.
- Bralko, V. D. - Seasonal dynamics of zooplankton of the northeastern part of the Black Sea. p. 81.
- Fedorina, A. I. - Dynamics of zooplankton of the southeastern part of the Black Sea. p. 95.
- Reylin, N. I. - Development and food of the saurel (*Trachurus Mediterraneanus Ponticus* Aleev). p. 105.
- Pavlovskaya, R. M. - Food of the larvae of the Black Sea anchovy. p. 115.
- Tkacheva, K. S. - Effect of the temperature and salinity regime on the structure and development of some fishes of the Black Sea. p. 119.
- Tumanenko, N. F. - Feeding rate of the Black Sea anchovy depending on the state of the food basis of the body of water. p. 131.

KONEVOODSTVO I KONNYI SPORT [HORSE BREEDING AND EQUINE SPORTS]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 35, nos. 1-6, Jan. - June 1965. (DNAL)

KROLIKOVODSTVO I ZVEROVODSTVO [RABBIT BREEDING AND FUR FARMING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, nos. 1-6, Jan. - June 1965. (DNAL)

MATERIALY RYBOKHOZIAISTVENNYKH ISSEDOVANIY SEVERNOGO BASSEINA [MATERIALS OF FISHERIES RESEARCH IN THE NORTHERN BASIN]. Issued by Polarnyi nauchno-issledovatel'ski i proektnyi institut morskogo rybnogo khoziaistva i okeanografii [Polar Scientific Research and Design Institute of Marine Fisheries and Oceanography]. Murmansk, no. 4, 1964.

Table of contents translated:

- Ponomarenko, V. P. - Natural, fishing and total mortality of the Barents Sea cod population in 1946-1963. p. 3.
- Iudanov, I. G. - Atlantic and Scandinavian herring yield as related to lasting climatic changes. p. 9.
- Nizovtsev, G. P. - Results of a census of young cod in the Barents Sea during the fall and winter periods of 1963-1965. p. 14.
- Baranova, Z. P. - Results of a census of young haddock in the Barents Sea in the winter of 1963-1964. p. 18.
- Iudanov, I. G. - Spawning efficiency and yield evaluation of the Atlantic and Scandinavian herring in 1962 and 1963. p. 22.
- Baranenkova, A. S., Khalidova, N. A. - Distribution and catch of young haddock in the southern part of the Barents Sea. p. 35.
- Sorokin, V. P. - Some data on gametogenesis and sex cycle of Pacific scorpionfishes (Scorpenidae). p. 42.
- Zil'nov, V. K. - Competition for food between Microsomus and herring in the Norwegian Sea. p. 45.
- Azbelev, V. V. - Change in the abundance of salmon in rivers of the Kola Peninsula. p. 49.

- Kornilova, V. P., Letoval'tseva, V. I. - Feeding habits of young Pechora salmon (*Salmo salar* L.). p. 53.
- Kornilova, V. P. - Diurnal feeding habits of young Pechora salmon (*Salmo salar* L.). p. 60.
- Epshtein, L. M. - Some data on zooplankton of the White Sea in March and April of 1960. p. 64.
- Shuvalov, V. S. - Seasonal variation in size of *Oithona similis* Claus (Copepoda, Cyclopoida) in the White Sea. p. 68.
- Maksimov, I. V., Smirnov, N. P., Vorob'ev, V. N. - Long-range forecasting of the long-period changes in general iciness of the Barents Sea compiled by the component-harmonic method. p. 73.
- Bochkov, I. U. A. - Long-range changes in thermic conditions of the southern part of the Barents Sea. p. 86.
- Pakhorukov, V. I., Penin, V. V. - Soviet oceanographic studies of the Norwegian and Greenland Seas in June of 1964. p. 90.
- Pakhorukov, V. I. - Characteristics of hydrologic conditions in the Denmark Strait in the fall of 1963. p. 94.
- Rossov, V. V. - Study of ocean currents from a drifting ship. p. 99.
- Kilezhenko, V. P. - Experimental study of the horizontal turbulent diffusion of a patch of admixture in a sea. p. 101.
- Litvin, V. M., Bodnar, S. A. - Some data on the relief and bottom of the fishing grounds of eastern Greenland. p. 108.
- Sochenko, E. A. - Building stations on buoys at small depths with changing sea level. p. 112.
- Lukin, V. P. - A lock for net scoop. p. 115.
- Klemushin, F. M. - Effect of some factors on the wear of basic parts of internal combustion engines on fishing ships. p. 118.
- Dogtarev, A. A., Shalunov, P. F. - Small rotary-sliding device for hydroacoustic instruments. p. 123.
- Ostrovskaya, L. A. - Economic evaluation of the introduction of new technology, mechanization and automation in the fishing industry of the North (1966-1970). p. 128.
- Kilezhenko, V. P., Podymakhin, V. N. - Accumulation of trace elements by some organisms of the southern part of the Barents Sea. p. 135.
- Bulanov, N. I., Kilezhenko, V. P. - Potassium radioactivity in some marine organisms of the Barents Sea. p. 142.
- Tambyayev, B. M. - Prospects for herring fisheries in the northwestern part of the White Sea in 1965. p. 147.

MOLOCHNOE I MIASNOE SKOTOVODSTVO [DAIRY AND BEEF CATTLE BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 10, nos. 1-6, Jan.-June 1965. (DNAL)

MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATELSKI INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAPHII. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY, Transactions]. Vol. 57, 1965. Issledovaniya po programme Mezhdunarodnogo geofizicheskogo goda [Studies on the program of the International Geophysical Year], no. 2.

Table of contents translated:

- Solankin, E. V. - Water balance of the Arctic Ocean; water exchange with the Atlantic and Pacific Oceans. p. 9.
- Zaitsev, G. N. - Wind currents of the Norwegian and Greenland Seas. p. 21.
- Bogdanov, M. A. - Dynamics of the waters of the Færoe-Iceland sill. p. 33.
- Bogdanov, M. A. - Changes in the circulation in the atmosphere and hydrosphere. p. 43.
- Fomichev, A. V. - Water masses and vertical structure of Antarctic waters. p. 53.
- Edel'man, M. S. - Some characteristics of the hydrology of the waters flowing around Hindustan. p. 79.
- Edel'man, M. S. - Brief characteristics of the water masses of the Gulf of Aden and the northern part of the Arabian Sea according to data of the 2d Indian Ocean Expedition of the Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. p. 93.
- Fomichev, A. V. - Using maritime meteorological observations for the indirect study of currents. p. 109.
- Potnichuk, S. I. - Some regularities of the hydrologic regime of the Caspian Sea. p. 113.
- Fedosov, M. V., Volkovskii, V. V. - The oxygen regime, an index of the primary productivity of marine waters. p. 131.
- Fedosov, M. V. - Conditions of the formation of primary food resources of the ocean. p. 146.
- Ermachenko, I. A. - Conditions of the new formation and decay of organic substance in the ice areas of the Greenland and Barents Seas. p. 161.

- Avilov, I. K. - Relief and bottom sediments of the shelf and continental slope of the northwestern Atlantic. p. 173.
- Avilov, I. K. - Some data on the bottom relief and grounds of the West African shelf. p. 235.
- Gershonovich, D. E. - Power of modern bottom deposits and rate of deposit formation in the Bering Sea. p. 261.
- Gershonovich, D. E. - Geomorphological regionalization of the extreme northeast of the Pacific Ocean. p. 271.
- Tamanova, S. V., Shchedrina, Z. G. - Foraminifera in the bottom sediments of the Norwegian Sea. p. 285.
- Gorshkova, T. I. - Carbonates in the sediments of the Norwegian-Greenland basin as indexes of the distribution of water masses. p. 297.
- Gorshkova, T. I. - Chlorophyll and carotenoids in the sediments of the Baltic Sea and the Gulf of Riga. p. 313.
- Bogorov, V. G. - Productive regions of the ocean. p. 329.
- Kanaeva, I. P. - Quantitative distribution of plankton in the Atlantic Ocean. p. 333.
- Movchan, O. A. - Seasonal changes in the composition and distribution of phytoplankton in the Newfoundland area. p. 245.
- Vladimirovskaya, E. V. - Distribution of zooplankton in the Newfoundland area in early autumn in relation to the hydrologic regime. p. 361.
- Khromov, N. S. - Quantitative distribution of plankton in the northwestern part of the Caribbean Sea and the Gulf of Mexico. p. 361.
- Khromov, N. S. - Some data on plankton in the Dakar-Free Town area. p. 383.
- Timokhina, A. F. - Distribution of zooplankton in the masses of the Norwegian Sea in the spring and autumn of 1959. p. 405.
- Vinogradov, L. G., Nelman, A. A. - Zoogeographic complexes, trophic zones, and marine bottom biocoenoses. p. 425.
- Nelman, A. A. - Some regularities of the quantitative distribution of benthos on the shelves of the North Pacific. p. 447.
- Nesin, K. M. - Biocoenoses and biomass of benthos in the Newfoundland-Labrador area. p. 453.
- MURMANSK. POLIARNYI NAUCHNO-ISSEDOVATELSKI INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAPHII. Trudy [ARCTIC SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY, Transactions]. No. 16, 1964.
- Table of contents translated
- Introduction. p. 3.
- Kil'menko, A. I., Pakhorukov, V. I. - Hydrological observations in the western part of the Atlantic Ocean. p. 15.
- Pavshitskaya, E. A., Gogoleva, M. A. - Distribution of plankton in the area of the Georges and Browns Banks in 1962. p. 25.
- Semenova, T. N. - Seasonal phenomena in plankton of the Labrador Shelf, Grand Bank off Newfoundland and Flemish Cap Bank. p. 49.
- Drobysheva, S. S. - Euphausiid distribution in the Grand Bank off Newfoundland as related to the dynamics of water masses. p. 79.
- Litvin, V. M. - Bottom relief of the Norwegian Sea. p. 89.
- Vinogradova, P. S. - Present deposits of the Norwegian Sea. p. 111.
- Ateksova, A. P., Istoshtin, B. V., Shmarina, L. R. - Results of oceanographic studies of the Norwegian and Greenland Seas in 1960-1962. p. 133.
- Pavshitskaya, E. A. - Prolonged observations on the distribution of plankton during spring and summer herring feeding period in the Norwegian and Greenland Seas (1951-1962). p. 151.
- Timokhina, A. F. - Zooplankton production in different water masses of the Norwegian Sea. p. 165.
- Kislakov, A. G. - Horizontal circulation of waters at the watershed between the Norwegian and Barents Seas. p. 183.
- Baranenkova, A. S., Khokhlina, N. S. - Conditions for the formation of Arctic-Norwegian stock of cod of 1959, 1960 and 1961 year classes during the first year of their life. p. 195.
- Kislakov, A. G. - Salinity fluctuations in the warm Spitsbergen current. p. 215.
- Konstantinov, K. G., Mukhin, A. I. - Some characteristics of the summer migration of cod in the southern part of the Barents Sea. p. 227.
- Ponomarenko, I. A. - Effect of hydrological regime and feeding conditions on the formation of the abundance of cod year class during young-of-the-year life in bottom layers of the Barents Sea. p. 235.
- Adrov, M. M. - Interrelation between the distribution of temperature, oxygen and fish schools in some fishing grounds of the Barents and Norwegian Seas. p. 251.
- Lebedev, A. A. - Changeability in ice conditions of the Labrador Sea and Davis Strait. p. 269.

Bochtov, I. A. - Prolonged fluctuations in thermal conditions of the Barents and Norwegian Seas p. 277.

OKHOTNICH'YE KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziazstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 11, no. 7, 1965.

OVTSSEVOODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoziazstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 11, nos. 1-6, Jan-June 1965. (DNAL)

POCHELOVOODSTVO [APICULTURE]. Organ of Ministerstvo sel'skogo khoziazstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 42, no. 6, June 1965. (DNAL)

PTITSEVOODSTVO [POULTRY RAISING]. Issued by Ministerstvo sel'skogo khoziazstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 12, 1964, nos. 2-8, 1965. (DNAL)

REFERATIVNYI ZHURNAL ZHIVOTNOVOODSTVO, VETERINARIYA (Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY, VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 12-13, June-July 1965.

RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoziazstvu pri SNKh SSSR [State Committee for Fisheries, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 41, no. 5, 1965.

Table of contents translated:

- Babalan, K. E. - In every possible way develop the fish culture in inland bodies of water. p. 3  
Kurapov, P. A. - Main trends in the work of the Scientific Research and Design Institute of Mechanization in the Fishing Industry. p. 6  
Pechenik, L. N. - Development of fishing area at the western coast of Greenland p. 9  
Antonov, A. E. - Forecasting the relative yield of the Baltic cod and herring in the North Sea. p. 13  
Rikhter, V. A. - Some problems of *Sebastes mentella* fisheries in the Newfoundland region p. 15  
Starushenko, L. I. - Age-related composition of the commercial Black Sea sprat population and the cause causes of its variation in abundance. p. 18  
Gol'tsev, A. M. - Productivity evaluation of egg incubation and keeping of prelarvae of salmon in gravel. p. 22  
Kryukhin, L. M., Gudoshnikov, L. M. - Behavior of the Pacific lamprey in the Amur River. p. 23  
Borisov, P. G. - Hundred twenty fifth anniversary of the birth of Oskar Andreievich Grimm. p. 25  
Digoev, B. A., Voskresenski, N. A. - Efficient organization of ocean herring fisheries. p. 27  
Goriachkovskii, A. M., Petrov, V. N. - Increase in motor power of the main engines of the medium-size trawler (SRT) p. 31  
Osipchuk, V. B. - Determination of the carrying capacity of fishing boats p. 35  
Pantilov, N. A., Pakhar', N. A. - Use of glass plastics in serial construction of small fishing motor boats. p. 37  
Romanenkov, B. A., Kudriavtsev, V. I. - Sea tests of net sound. p. 40  
Lomakina, L. M. - Relation between the length of kapron netting and the size and duration of additional load. p. 42  
Korotkov, V. K., Martyshevskii, V. N., Savrasov, V. K. - Underwater observations on the work of trawls. p. 44  
Girenko, V. N. - Some results of the investigation of the models of rollers for seine hauling. p. 47  
Kostuchenko, R. A., Malskii, V. N., Smirnov, A. N. - Development of herring fisheries in the Sea of Azov. p. 50  
Abramov, A. G. - Machine for taking out and laying bridle line of a string of drift nets p. 52  
Kiseveter, I. V. - Carry out control after processing with the consideration of consumption norms of raw materials. p. 55  
Sukratov, N. I. - Methods of preserving quality of frozen Atlantic saurid and mackerel. p. 58  
Pigeev, E. E. - Use of polyacrylamide in labeling canned fish. p. 60  
Tseluiko, A. E. - Rapid method of smoking Atlantic saurid. p. 61  
Makarova, T. I., Shilnikov, B. I. - V. A. Kuznetsov's method for preparing slightly salted herring. p. 63

- Vasilievskaya, E. A. - Experience of the crew of the RT "Moldavila" in preparing frozen fish p. 67  
Nasedkina, E. A., Onipko, E. K. - Canned Pacific salmon p. 69  
Tishinski, V. - Mathematical approach in the administration of fisheries. p. 71  
Avdeev, I. A., Nikolaeva, A. P. - Systems of network planning and administration by creating complex objects. p. 73  
Shparlinakii, V. M. - Some problems of the development of world fisheries in the postwar period p. 75  
Puzakov, I. K. - Possibilities for reducing ship repair time p. 78  
Guzhina, L. M. - System of two price lists of raw material in the fishing industry. p. 81  
Kazhenbaev, S. - Location and specialization of fish processing plants in the Ural-Caspian Sea region. p. 83  
Zaitsev, V. P. - 52d session of the International Council on Sea Research p. 92  
Second conference of Soviet and Japanese experts on salmon breeding in the Far East p. 94

SVINOVOODSTVO [SWINE BREEDING]. Issued by Ministerstvo sel'skogo khoziazstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 18, no. 12, Dec. 1964; vol. 19, nos. 1-4, Jan.-Apr. 1965. (DNAL)

VETERINARIYA [VETERINARY MEDICINE]. Organ of Ministerstvo sel'skogo khoziazstva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 41, no. 6, June 1964.

Table of contents translated:

- For a good labor discipline p. 1  
Bozhko, G. K., Teller, A. M. - Sheep raising farms in the Ukraine are ridden of brucellosis. p. 4  
Vakht, V. A. - Teach and demand. p. 7  
Kakaulin, T. E. - Sanitation measures on specialized farms p. 10  
Goloshchapov, I. U. N. - Let us exterminate warble flies p. 12  
Ginzburg, A. G. - Give every assistance to the intensification of animal husbandry. p. 14  
Zhdanov, V. M. - Studying the intracellular synthesis of virus components. p. 19  
Kamatov, G. Kh., Siurli, V. N. - Susceptibility of laboratory animals and tissue culture to the virus of Aujeszky's disease. p. 23  
Farzaliyev, I. A., Safaraliev, V. D., Gasanov, G. G. - Rickettsial conjunctivitis in cattle. p. 25  
Karpov, S. A. - Bacteriological examination in infectious atrophic rhinitis of swine. p. 26  
Bychkov, A. I. - Diagnosis of pasteurization and Newcastle disease in poultry. p. 28  
Pritulin, P. I. - Microbiological diagnosis of salmonellosis. p. 29  
Cherepov, V. T. - Methods for cultivating the pathogen of European fowlpox. p. 31  
Ayatenko, V. M. - Impregnation of intracellular inclusions of chicken pox in poultry. p. 32  
Kondrov, A. I. - Lepidoptera in cattle. p. 33  
Sviridov, A. P. - Rickettsial conjunctivitis in calves. p. 34  
Kovalenko, I. A. R., Burba, L. G., Sidorov, M. A. - Pathoanatomical changes in African swine fever. p. 35  
Akhunov, Kh. A. - Infectious atrophic rhinitis of swine in Uzbekistan. p. 40  
Sotomkin, P. S. - Controlling infectious atrophic rhinitis of swine. p. 43  
Shubin, V. A. - Histological diagnosis of Mycoplasma infection in poultry. p. 47  
Nikanorov, B. A. - Prophylaxis of pullorum disease. p. 51  
Petrochenko, V. I., Korzhagin, A. I. - Anthelmintics in mixed feeds. p. 54  
Pereponov, G. A., Nechaev, P. A. - Treating cattle with theileriosis. p. 56  
Susha, K. P. - Spring-and-summer fever in cattle. p. 58  
Nikol'skii, I. A. D., Piskunov, I. S. - Nematodirus infestation in lambs. p. 60  
Kucheruk, N. Kh., Dubovyi, S. Z. - Prevention of ascaridosis and pullorum disease in chicks using iodinol. p. 62  
Shirinov, N. M., Baltadzhev, O. M. - Treating chickens with ascaridosis. p. 63  
Naumenko, A. M. - Prophylaxis of helminthiasis in ducks. p. 64  
Vasil'kov, G. V. - Philometrosis in carp. p. 66  
Semenova-Mindel', N. V. - Diplostomum infestation in salmon. p. 67  
Poloz, D. D. - Prophylaxis and therapy of poisoning in animals. p. 69  
Terekhov, P. Kh. - Use of aminazine in veterinary surgery. p. 73  
Andralis, A., Pranaitis, I. - Effectiveness of surgical treatment in traumatic reticuloperitonitis. p. 75  
Tarchinskii, O. Ch., Shilin', A. V. - Torsion of the omasum and abomasum in cows. p. 77

- Anokhin, B. M. - Naphthalen for treating tympanites in calves. p. 78  
Gor'kov, M. P., Panov, V. B. - Radical operations on lungs in calves. p. 81  
Grichenuk, P. D. - Surgical treatment of lambs with hexoars. p. 83  
Nurkin, N. S. - Treatment of horses with pectus excavatus p. 87  
Okunsov, L. P. - Effect of egg enantioisomers on the development of chicks. p. 84  
Shcherbakov, V. M., Il'inski, L. P. - Ways for the prevention of sterility in cows. p. 87  
Panasenko, F. T. - Etiology of asymptomatic sterility. p. 89  
Khatarov, G. N. - Fertilizability of cows after retention of the placenta. p. 92  
Volkov, A. I., Prokashina, M. P. - Ciliated mucus blood in the control of sterility. p. 93  
Andrievskii, V. I., D'achenko, P. S., Poyshchikova, O. P. - Diagnosis of latent forms of mastitis in cows p. 94  
Mikhailov, N. N. - Obstetric practice in swine raising p. 97  
Filonenko, A. I. - Treating agalactia and hypogalactia in swine. p. 98  
Leont'ev, N. N. - For high hygienic quality of milk. p. 99  
Arkhangelskii, I. I., Bulko, M. P. - Evaluating detergents and disinfectants used in dairying. p. 102  
Vesolkin, G. A. - Extermination of flies on livestock farms. p. 105  
Starchev, A. P. - Protection of animals from blood-sucking insects. p. 109  
Lopukhov, M. A., Dorigin, N. I. A. - Chlamydia in the control of mites and insects. p. 111  
Gusev, V. F., Stupnikov, A. A. - Toxicology of the repellent hexamido (P-401). p. 112  
Dobrokhov, A. M. - In memory of Karl Gustavovich Martin. p. 114  
Kulazovskii, A. V. - Ivan Ivanovich Maashkin, his 85th birth anniversary. p. 115  
Krapivnei, L. M. - Karl Matveevich Gortman and his time. p. 116. (DNAL)

Vol. 41, no. 4, Apr. 1965

Table of contents translated:

- Preserve young animals without losses. p. 1  
Koshevol, V. A. - Prophylaxis and therapy of gastro-intestinal diseases in newborn calves. p. 4  
Popkov, V. P. - Raising calves using nurse cows. p. 6  
Glazov, M. A. - In the drive for the development of animal husbandry. p. 7  
Nikitin, I. N., Safranov, I. I. - For exemplary veterinary hygienic conditions on livestock farms p. 8  
Ismov, V. Z. - Exterminate *Hypoderma* infestations in Siberia p. 10  
Irgashev, I. Kh. - Uzbekistan Veterinary Scientific Research Institute is 40 years old. p. 12  
Liubashenko, S. I. A., Kostrikina, L. G. - Concentrated polyvalent adsorbed vaccine against leptospirosis in animals p. 17  
Konev, I. M. - Protein fractions of the blood serum in young pigs after vaccination against paratyphoid fever p. 21  
Fortushnyi, V. A., Shmidov, P. N. - Effect of antibiotics in paratyphoid fever of young pigs. p. 23  
Klachetian, A. B., Pogostan, A. A., Martirosian, G. G. - Immunobiological characteristics of the virus of Newcastle disease grown in tissue culture p. 25  
Kolesnikova, E. A. - Measures for controlling paratyphoid fever in calves and young pigs. p. 26  
Pikh, Kh. O., Locoment, L. K. - Salmonellosis in man and in animals. p. 31  
Malinina, T. P. - Formation of postvaccinal paratyphoid agglutinins in calves. p. 33  
Urguev, K. R. - Enterotoxemia of cattle. p. 34  
Saralkin, I. M., Burlak, I. A. - Treating acute enzootic bronchopneumonia in calves. p. 36  
Farzaliyev, M. M., Dalgat, M. M. - Epizootiology of bradost and infectious enterotoxemia of sheep in Daghestan. p. 38  
Ibragimov, A. A. - Pathomorphological diagnosis of typhlohepatitis in turkeys p. 38  
Gladkov, B. A. - Pathomorphology of influenza in ducklings. p. 41  
Borisov, V. N., Bondareva, S. T. - Toxicoinfection on fur farms in the Taymyr. p. 43  
Chernov, I. S., and others. - Prophylaxis of dictyocaulosis in cattle; a selection of articles. p. 45  
Antipin, D. N. - Practices in helminthology. p. 48  
Smirnov, P. V. - Parafilariasis of cattle. p. 54  
Dokopov, V. M. - Determining the dose of antibiotics in toxic dyspepsia of calves. p. 55  
Savusikina, E. T. - Prophylaxis and therapy of dyspepsia in young animals. p. 58  
Dobrynin, V. V. - Effect of ultraviolet radiation on the development of calves. p. 61  
Gudkin, A. F., Mozukhin, I. U. P. - Prophylaxis of hypovitaminosis A in calves and young pigs. p. 63

- Lilenkov, I.P. - Evaluating the methods for the administration of vitamin A p.66
- Smirnov, I.G. - Intraperitoneal injection of novocaine with penicillin in dyspepsia of calves p.67
- Matveev, I.A. - Use of skim milk with the addition of biomyacin. p.69
- Kosover, S.I. - Blood substitutes as effective therapeutic means. p.70
- Kiba, N.T., Pugach, E.I., Gorinov, I.U. - Comparative evaluation of biomyacin and a preparation of the broth culture of *Propionibacterium* and *Lactobacillus acidophilus*. p.71
- Baryshkin, M.A. - Treating the atony of the rumen in babesiosis. p.72
- Gusakov, V.K. - Importance of uropepsinogen in the evaluation of the functional activity of the stomach in swine. p.73
- Studentsev, A.P. - Origin and meaning of the terms sterility and barrenness. p.76
- Morozov, V.A. - Sterility and barrenness in cattle p.80
- Misailov, V.D. - Oxytocin as a means of prophylaxis of the subinvolution of the uterus in cows. p.82
- Ozun'kov, P.S. - Prophylaxis and therapy of the parturient canals in cows using tricillin. p.86
- Martynov, V.G. - Use of glucose in the retention of the placenta in cows. p.87
- Shpilov, V.S. - Symposium on the control of sterility in farm animals. p.89
- D'jakonov, A.T. - Natural draft ventilation in standard dairy barns. p.91
- Arkhangelski, I.I., Danilenko, I.P. - Sanitary conditions of the "Ukrainian carousel-type" arrangements for milking parlors (KDU-1 and KDU-5). p.94
- Millanovskii, A.G. - Use of antiseptics for washing the udder of cows. p.97
- Tarakanov, S.T. - Improving the system of heating disinfecting solutions in the Komarov automatic disinfection machine. p.100
- Polinakov, D.K., Akhunov, Kh.A., Makhmudov, I.A. - Control of ixodid ticks as the basis of the prophylaxis of hemoparasitosis. p.101
- Blakhovskii, V.I. - Sanitary control regulations for the meat of game animals and birds. p.103
- Bessonov, A.S. - Diagnosis of trichinellosis by the Ascoli method. p.107
- Brilov, V.A. - Additional method of examining meat for Trichinella. p.108
- Nikol'skii, N.M., and others. - From the history of veterinary medicine. p.110 (DNAL)
- Gudkin, A.F., Mozzhukhin, I.U. - Measures for controlling paratyphoid fever in cattle and swine. p.52
- Panin, G.I. - Vaccination of swine against some infections. p.54
- Zhakov, M.S. - Historical studies of hog cholera and paratyphoid fever in swine. p.56
- Maksimov, N.A. - Etiologic role of trichomonads in infectious atrophic rhinitis of swine. p.58
- Bannikov, A.A., Khurshudians, R.S., Belikov, M.N. - Cases of tularemia in sheep in Stavropol Territory. p.59
- Podobedov, A.I. - Stall and run maintenance of calves as an effective measure in the control of diclyocaulosis. p.61
- Shlychkov, M.I. - Epizootology of Anoplocephala infestation of sheep. p.62
- Kochagin, A.I. - Testing piperazine dithiocarbamate in ascariasis of chickens. p.63
- Shirinov, N.M. - Therapy of ascariasis and railletiniasis in chickens. p.65
- Kotel'nikov, G.A. - Biological bases of the prophylaxis of hymenolepiasis in ducks and geese. p.66
- Alergant, G. - Measures for preventing Hystomonas infection in chickens. p.68
- Krylov, V.F. - Comparative evaluation of drugs in coccidiosis of chicks. p.69
- Kovaleva, E.P., and others. - Results of examining animals for toxoplasmosis using the complement fixation reaction. p.70
- Netrebko, I.D., and others. - Examination of dogs for toxoplasmosis. p.71
- Potol, D.D., Politskii, V.A., Balmuradov, T.B. - Prophylaxis and diagnosis of chronic intoxications in animals. p.73
- Korzhavenko, G.N., Kolikov, V.I., Grishkov, I.U. - Hydroperoxide reaction in the determination of phosphorus organic compounds in water feeds. p.76
- Panchenko, I.I.A., Puchkova, S.M. - Condition of the organism of lambs poisoned with stiumon-90. p.77
- Kolonko, N.A. - Changes in the proteins and protein fractions of the blood serum in healthy lambs. p.80
- Koval', M.P. - Use of nutrient salt solution in dyspepsia of calves. p.83
- Nemchenko, M.I. - Bronchopneumonia in calves and its treatment. p.84
- Nechayev, P.A. - Treatment of papillomatosis. p.85
- Shatalov, P.I., Shubina, M.G. - Anaphylaxis in cows after the administration of pregnant mare's serum and blood. p.87
- Golikov, A.V., Artemova, A.L. - Searching for effective therapeutic means for effective therapeutic means for farm animals with vibriosis. p.90
- Dul'nev, V.I. - Concept of barrenness should be uniform. p.92
- Polinakov, A.A. - Standardization of methods for disinfecting means of transportation. p.94
- Millanovskii, A.G., and others. - Conditions for improving the hygienic quality of milk. p.95
- Nikitin, E.E., Vladimirov, A.G. - Survival of viruses in dried milk and food albumin. p.99
- Boiko, M.S. - Veterinary hygienic measures in coccidiosis of poultry. p.101
- Badalov, E.T. - Prolongation of the residual action of acaricides. p.102
- Zviagin, I.V., Iurchenko, V.V. - Prospects for the production of dry immune sera. p.104
- Limarenko, A.A. - Method for counting the microorganisms of the rumen contents. p.105
- Novikov, V.M., and others. - Accelerated indicator method for determining vitamin B<sub>12</sub>. p.108
- German, A.N., Zozulia, E.A. - Ichthyopathological studies in a veterinary laboratory. p.108
- Semenov, P.V. - Method for drying melangeurs. p.111 (DNAL)
- Vol.42, no.6, June 1965.
- Table of contents translated:
- Greater persistence in the elimination of tuberculosis and brucellosis. p.1
- A.G.G. - Time of great possibilities. p.4
- Boiko, A.A., Skomorokhov, A.L. - Immediate tasks of science and practice in the elimination of foot-and-mouth disease. p.8
- Burkaskas, A., and others. - Practices in ridding farms of brucellosis of animals. p.13
- Antonuk, V.P., Potemkin, A.A. - Biological preparations in the service of animal husbandry. p.18
- Chernisheva, M.I., and others. - Diagnostic value of the fluorescence serologic method for detecting Brucella. p.22
- Dan'shev, I.A., Koriukin, E.E. - Methods for the accelerated diagnosis of brucellosis in sheep. p.25
- Shepilov, N.S., Sokolova, I.V., L'vova, G.F. - Serologic diagnosis of tuberculosis in ducks. p.28
- Chepurov, K.P., Baberzhinskii, S.K. - Effect of antibiotics on the formation of immunity in chickens with pasteurellosis. p.29
- Poddubskii, I.V. - Problem of the elimination of tuberculosis in cattle. p.32
- Protasov, A.I. - Observations on the instruction "Measures for controlling tuberculosis in livestock." p.35
- Abramov, L.P. - Comparative evaluation of dry purified and "old" tuberculin in the diagnosis of tuberculosis in camels. p.36
- Asonov, N.R. - Treatment of trichophytosis in cattle. p.37
- Ivanov, M.M., Kirillov, L.V., Popova, G.P. - Testing the immunogenic properties of oil vaccine in brucellosis of sheep. p.39
- Trilenko, P.A., and others. - Testing a vaccine produced from Brucella melitensis K. p.41
- Kokurichov, P.I. - Histological changes in chickens induced by atypical acid-resistant bacteria. p.44
- Fedoseev, V.S. - Epizootology of tuberculosis in ducks. p.46
- Sveshnikova, A.F. - Biological bases for controlling warble flies in cattle. p.47
- Baidalin, A.I.A. - Prophylactic measures against warble flies. p.50
- Zharikov, I.S., and others. - Chlorophos and early chemotherapy of Hypoderma infestation. p.51
- Kolomiets, I.A.M. - Summer spraying of cattle with insecticides against Hypoderma infestation. p.52
- Akopian, V.D. - Therapeutic and chemoprophylactic means against dirocoeliasis. p.54
- Peyneva, V.D. - Cross infection of cattle and sheep with haemonchosis. p.55
- Gasanov, A.A. - Immunization of sheep against babesiosis. p.56
- Kallagin, V.V. - Epizootology and therapy of anaplasmosis in sheep. p.58
- Kudriavtsev, A.A., Andreev, M.N., Ivantsov, L.I. - Testing rotenone in the prophylaxis and therapy of white muscle disease in animals. p.60
- Tagirov, Kh.Z. - Course of white muscle disease in calves. p.62
- Chervakov, D.K., Lokimov, V.N., Orlov, V.D. - Use of new antiparasitic and disinfecting agents in dyspepsia. p.63
- Egorov, V.G., Kamatov, M.B. - Radiation sickness in sheep induced by total X-ray irradiation. p.65
- Zarova, V.G., Panina, I.P. - Practices in the elimination of edema in young pigs. p.69
- Arshantsev, N.M. - Symptoms of a disease of the air bladder in carp. p.71
- Grigorian, D.G. - Practices in treating vaginitis and endometritis in cows using colamine. p.73
- Denisov, A.I., Iakovenko, I.A. - Treating endometritis in cows. p.73
- Kotushov, N.P. - Treating the atresia of lent canals in cows. p.74
- Shmygin, I.I., Bolovitskii, G.S. - Doses and indications for the use of pregnant mare's serum in the sterility of cows. p.75
- Parikov, V.A. - Treating mastitis in cows by ultrasonic waves. p.77
- Shpilov, V.S. - Importance of tensor boars in the prophylaxis of sterility in brood sows. p.81
- Tarashkin, V.A. - Effect of sour milk antibiotics on Mycobacterium tuberculosis. p.84
- Arkhangelski, I.I., and others. - Evaluating hygienic condition of a milking apparatus. p.85
- Gusev, G.F., and others. - Toxicology and the repellent use of hexamid in animal husbandry. p.89
- Luk'ianov, N.I., Ivanenko, N.M. - Simultaneous costs of cattle. p.89
- Polinakov, V.A. - Protecting reindeer against horseflies. p.91
- Polinakov, D.K., and others. - The MDU-1 mechanized shower installation. p.92
- Lokova, F.P. - Preparation of whey for carrying out the agglutination reaction for brucellosis. p.95
- Kotomakin, G.A. - Methods for detecting Brucella in wild rodents. p.96
- Gerasimchuk, A.V., Protchenko, N.E. - Determining the quantity of iron in the blood of animals. p.96
- Zavilukha, V.I., Babich, V.F. - Biochemical study of cow blood reacting to tuberculin. p.98
- Polikarpov, N.S., Dmitrieva, T.A. - Studying the sedimentation rate of erythrocytes in animals. p.98
- Bratanov, K. - Artificial insemination of farm animals in Bulgaria. p.102
- Ilichkin, V.S. - Acclimatization and sterility of domestic animals. p.103
- Arkhangelski, I.I. - Organization of the diagnosis of streptococcal mastitis. p.104
- Kakulich, M., Tkachik, S. - Use of actidione in the cultivation of dermatophytes. p.105
- Olnakhaev, S. - Etiology of infectious cough in camels. p.105

- Y. V. Vasilov, P. I. - Organizing the utilization of animal waste in the People's Republic of Bulgaria p 125
- Golitskiy, I. U. N. - Regional conference of the Asian countries on problems in veterinary medicine p 102
- Dobro, M. A., Epstein, I. U. F. - Standardization of epidemiological terms p 113
- G. K. Kiselev, V. E., I. A. Kiseleva, O. V. - Rational treatment of respiratory organ diseases in birds p 114
- G. K. Kiselev, E. - Academician V. P. Filatov, his 90th birthday p 124 (DNAL)

## c FORESTRY

- LESNAYA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosstatiznauka, komitet po lesnoi, tseluluzno-berestovoi, derevobrabatывaushchey promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentrallye pravleniye Nauchno-tekhnicheskogo obshchestva i lesnoy promyshlennosti i lesnogo khozaystva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 43, no. 6, June 1965.
- Table of contents translated
- Virogov, G. - Potentialities for the increase of total output p 1
- Martynov, A. A. - Single-beam pole boom with slabs, p 7
- Borisov, M. V. - Bunch system of shipping timber in vessels p 9
- Ievina, I., and others. - Commercial procurement of lumber during improvement cuttings p 10
- Gashkova, M., Kotin, N. - Coating the crosscut ends of logs with petroleum-based preservatives p 12
- Gavrilov, I. U. S., Vasiliev, I. A. - Modernization of barking machinery in barrels p 14
- Berg, L., Livanov, A., Makarov, F. - Cableways for timber skidding p 17
- Iekb, A. - Cableway for the skidding of trees with crowns p 20
- Dobromyslov, B. I., Marynukhin, V. D. - Cableway for primary skidding of timber in the mountains p 22
- Alibayev, V. I. - Standardization of cableway skidders, p 24
- Gol'dman, E. I. - Decreasing the noise of the "Druzhba" saw motor p 26
- Hosovskii, V. M. - Let's improve the machinery design to establish safe working conditions p 27
- Lurie, L. Z. - Compound method of processing saw logs p 28
- Grigoriev, M. N., and others. - Electric traction in the hauling of timber. p 30

- LESNOE KHOZAYSTVO [FORESTRY]. Organ of Gosstatiznauka, komitet po lesnoi, tseluluzno-berestovoi, derevobrabatывaushchey promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR and Tsentrallye pravleniye Nauchno-tekhnicheskogo obshchestva i lesnoy promyshlennosti i lesnogo khozaystva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 18, no. 5, May 1965.
- Table of contents translated
- Mustafiev, M. G. - Forestry of Azerbaijan p 2
- Kirkina, A. - Regeneration of low-density pine forests p 7
- Savchenko, A. M. - Viability signs of a young growth of Siberian fir p 10
- Chudakov, M. I., Komissarov, D. A., Artyamonova, T. A. - Ammonium salts of lignin polycarboxylic acids as growth promoters p 12
- Murkov, A. I. - Practice of gradual cuttings in the pine forests of the Tatar A.S.S.R. p 16
- Samgin, P. A. - Basal treatment of young growths p 17
- Bobrov, R. V. - Healthy aspen in Leningrad Province, p 19
- Skul'ga, V. V., Makarenko, A. A. - Improvement cuttings in the forests of the Virgin Territory p 20
- Alifanov, T. I. - Moisture controlling role of shelterbelts p 21
- Nikol'skii, K. E. - Forest and mathematics p 25
- Gelman, R. N., Apostolov, I. U. S. - Determining the inclination of the terrain from aerial photographs, p 29
- Adamia, V. V. - New methods for determining the volume of branches p 31
- Levitskii, F. P. - Problem of the estimation of the volume of branches needs further study, p 35
- Ivanov, S. P., Rostovtsev, S. A. - Cellulose content and the size of wood fibers in different varieties of poplar. p 37

- Kozlova, L. M. - Use of carbathion as a herbicide in forest nurseries p 43
- Eglite, A., Folkmane, A. - Effect of carbathion on micobiological processes in the soil p 45
- Nedetskii, N. A. - Pine plantations on areas with simple drainage systems p 46
- Badalov, P. P. - Effect of a Podzol horizon on the growth of spruce p 49
- Isakova, R. Kh. - Red oak in Moscow Province, p 51
- Avramenko, I. D., Spektor, M. R. - Forecast of forest pest occurrence in the Ukraine p 52
- Ishina, N. K., Ravkin, S. I. - New insecticides in the control of tree and shrub pests p 54
- Bobkov, V. G., Smolskii, A. M. - In the field technical laboratory of the Central Air Base. p 56
- Polosukhin, G. G., Khodovskii, V. A. - Intensified mechanization of soil tillage in forest nursery plantings p 59
- Mallugin, T. T. - Efficient combination of tractors with tree planting machinery p 62
- Georgievskii, A. N. - Unit for hoisting and moving of cone gatherers in the crowns of growing trees. p 65
- Elizarov, A. F. - Let's improve the planning of work in forest management p 67
- Smirnov, A. S. - Let's reorganize the bonus system, p 69
- Stanilevich, V. S. - Use of multipurpose machinery as a potentiality of additional efficiency in the hauling of timber p 70
- Peresvetkin, V. F. - Overall mechanization of work in forest nurseries p 74
- Ignatenko, M. M., Gishakov, B. D. - Care of mixed stands of young trees by means of aviation p 77
- Fadeev, N. V. - Let's train them to love nature p 80
- Feller, S. - Use of simazine in the forestry of the German Democratic Republic p 86

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsoyuza rabochikh lesnoi, bumazhnoi i derevobrabatывaushchey promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol. 9, no. 7, July 1965.

REFERATIVNYI ZhURNAL' LESOVEDENIE I LESOVODSTVO (Otdel'nyi vypusk 56) [JOURNAL OF ABSTRACTS FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR (Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.). Moscow, no. 7, July 1965.

## d PLANT CULTURE

EESTI MAAVILJELUSE JA MAAPARANDUSE TEADUSLIKU UURIMISE INSTITUUT Teaduslike toode kogumik. Sbornik nauchnykh trudov Eestiainskogo nauchno-issledovatel'skogo instituta zemledeliia i melioratsii [ESTONIAN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE AND RECLAMATION. Papers]. Saku, no. 4, 1964

KARTOFEL' I OVOSHCHI [POTATOES AND VEGETABLES]. Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 12, Dec. 1964; vol. 10, nos. 1-6, Jan. - June 1965, (DNAL)

KHLOPKOVODSTVO [COTTON GROWING]. Organ of Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 16, nos. 1-6, Jan. - June 1965, (DNAL)

KUKURUZA [CORN]. Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 10, nos. 1-6, 1965, (DNAL)

LEN I KONOPLIA [FLAX AND HEMP]. Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 10(27), nos. 1-3, 1965, (DNAL)

MICHURINSK. NAUCHNO-ISLEDOVATELSKIY INSTITUT SADOVOODSTVA. Sbornik nauchnykh rabot [SCIENTIFIC RESEARCH INSTITUTE OF HORTICULTURE. Papers]. No. 10, 1964.

Table of contents translated

Dubrovina, P. F. - Organization of commercial fruit growing on state and collective farms. p 3

Busarov, N. A. - Problems in the prospective plan for the organization of a specialized state farm. p 16.

- Salimzhanov, S. Sh. - Distribution of fruit production in the Tatar A.S.S.R. p 24
- Zolochkin, V. G. - Types of agricultural fruit trees in the fruit culture of state farms p 27
- Erinakov, L. B. - Size of fruit growing in state farms in the Central Chernozem region p 35
- Stepanov, S. N. - Evaluating intermediate results for forming rootstocks for apples. p 40
- Mukhlamin, V. G. - Culture of cypress with rootstocks of sour cherry and other fruit species in the USSR, or at the usual time p 47
- Tumayev, N. I. - Panchation of shoots in apple orchards p 52
- Lagova, E. V. - Foliage and regularity of fruiting in apple varieties p 58.
- Lagova, E. V. - Alternate years of fruiting in apple varieties p 67
- Koshchev, V. K. - Effect of the crop of the previous year on the fruit resistance in apple p 68
- Zakhvatov, E. V. - Agrobiological characteristics of Apukhtino sour cherry p 82
- Zolochkina, T. V. - Use of growth regulators for increasing fruit resistance in pear p 87
- Ovsinnikov, A. S. - Coefficients for determining the leaf surface of some sour cherry and apple varieties p 94
- Kondakov, A. K. - Agrochemical changes in the soil profile of an apple orchard, p 98
- Zemlinskii, I. G. - Some physical and agrochemical characteristics of soils in the microclimate of an orchard p 101
- Kutyndina, T. I. - Use of herbicides in orchards p 105.
- Stolbov, A. N. - Synthetic filling in the heat treatment material in building p 108
- Lobanov, G. A. - Breeding pear for winter harvest p 110.
- Mozozova, T. V. - Comparative characteristics of the duration of the period of dormancy in seedlings of stone fruit species. p 117
- Mamontov, A. N. - Mechanization of interillage of row crops in an orchard. p 133.
- Markov, I. U. A. - Organizing the area and the network for the watering of berry patches in fruit tree nurseries using the KKH-55M unit p 126
- Zhil'skii, I. A., Z. Loney, N. D. - The effect of the seed subsoil plow p 136.
- Andreeva, V. I., Burlutskaya, M. I. - Control of aphids in nurseries p 141
- Andreeva, V. I. - Apple gall gnats (Dasyneura) and its control p 146.
- Andreeva, V. I. - Effectiveness of the biological preparations entobacterin-3 and thuricide in the control of the codling moth. p 148.
- Chigrin, V. N. - Causes of failure and ways for a rational vine culture to the north of the commercial boundary line p 152
- Kireeva, M. P. - Study of tulip and narcissus varieties in Mieluninsk p 161. (DNAL)

REFERATIVNYI ZhURNAL' RASTENIEVOODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 12-13, Jan. - July 1965.

SADOVOODSTVO [HORTICULTURE]. Organ of Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 103, nos. 1-6, 7, Jan. - Apr., July 1965, (DNAL)

SADOVOODSTVO, VINOGRADARSTVO I VINODELIE MOI-DAVIA [FRUIT CULTURE, VITICULTURE, AND WINE MAKING IN MOLDAVIA]. Organ of Boyevnarskogo khozaystva i Ministerstva proizvodstva i razvitiya sel'skokhozaystvennykh produktov Moldavskoi SSR [Economic Council and the Ministry of the Production and Procurement of Agricultural Products of the Moldavian S.S.R.]. Kishinev, vol. 10, no. 12 (140), Dec. 1964; vol. 20, nos. 1(141)-6(146), Jan.-June 1965, (DNAL)

SAKHARNAYA SVEKLA [SUGAR BEETS]. Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 12, Dec. 1964; vol. 10, nos. 2-9, Feb. - June 1965, (DNAL)

SELEKTSIYA I SEMENOVODSTVO [PLANT BREEDING AND SEED PRODUCTION]. Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 30, no. 3, May-June 1965,

**TABAK [TOBACCO].** Organ of Gosudarstvennyi komitet po pishchevot promyshlennosti pri Gosplane SSSR and Tsentrálne pravlenie Nauchno-tekhnicheskogo obshchestva pishchevot promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 26, no. 2, 1965.  
(DNAL)

**TSVETOVODSTVO [FLORICULTURE].** Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 7, nos. 11-12, 1964, vol. 8, nos. 1-4, no. 6, 1965.  
(DNAL)

**ZASHCHITA RASTENII OT VREDITELEI I DOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS].** Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 10, no. 4, 1965.

Table of contents translated:  
Let's make better use of toxic chemicals and machinery p.1  
Let's make way for low-volume spraying. p.2  
Shin, P. - Inexpensive, profitable, and productive. p.6  
Sadovnikov, V. - In Kokchetav Province. p.8  
Savdzarg, V. - Example is worth emulation. p.9  
Kuznetsov, M. - Low-volume spraying of fields in the Ukraine. p.11  
Brunner, IU. - Let's make wider use of aerosol generators. p.11  
Krylov, T. - To the attention of researchers. p.12  
Gorokhovskii, N. - 100 hectares a day. p.13  
Prókopenko, S. - What an orchard sprayer should be like. p.14  
Moldovan, M., Larionenko, M., Paruta, T. - Treatment of pea seeds with hexachlorocyclohexane dust is not efficient. p.15  
Salyasakal, N. - For the reliability of material. p.16  
Anniversary exhibition. p.18  
Bondarenko, M. - Duster sprays the plants. p.19  
Shmeleva, V. - Basis for the control of the leaf miner moth. p.20  
Burov, V. - Tactics of pea weevil control. p.21  
Agafonova, Z., Agafonov, N. - Cultivation practices in controlling the European corn borer. p.24  
Chenkin, A., Radchenko, IU., Pli'tenko, V. - Cabbage moth *Barathra brassicae* as a dangerous pest. p.25  
Peken'o, Kh., Bogdanovskii, A., Trishkin, S. - Derivatives of triazine and urea in potato plantings. p.27  
Karavianskii, N., Pakhomov, V. - Use of insecticides with adhesives. p.29  
Isaeva, A., Pika, N. - Resistance of hybrid peas. p.29  
Kokhimantuk, F. - Reservoirs of gypsy moths in roadside plantings. p.30  
Makhal, M. - Dalapon and diuron in cotton fields. p.31  
Lom, M. - "ON-lo" sprayer. p.33  
Gubarev, M., Shlerental', M. - Criteria for the evaluation of small-drop spraying. p.34  
Iartsev, V. - Mechanization of fruit nursery protection. p.37  
Sol'n, I. - Hinged suspension of booms. p.37  
Chalkov, A. - Three-section dismantlable field boom. p.38  
Petrushka, O. - Protection of sugar beets from flea beetles. p.39  
Gruzdev, V. - Frightening birds away. p.41  
Protsenko, E. - Rose mildew. p.42  
Nikolaev, P. - Protect your vineyards from herbicides. p.43  
Adaevskovich, A. - Cabbage aphid. p.44  
Sveshalkova, N. - Nematode disease of seedlings. p.45  
Shevchik, V. - Feathered batterina. p.46  
Karavaeva, R. - Agriaspis and *Hyponomeuta malinellus* L. p.46  
Chumakov, A. - Survey of grain diseases in 1964. p.48  
Shek, G., Evdokimov, N. - Cutworm *Hadena sordida* in 1965. p.49  
Koralkikh, G. - Aerosols and low-volume spraying. p.53  
Kirpichnikova, N. - Conference of aviators. p.54  
Lebedev, G. - Symposium on biological control. p.55  
V. S. - In the Kazakh Institute of Plant Protection. p.58  
Kisev, V. - Life dedicated to the people. p.59  
(DNAL)

Vol.10, no.5, 1965.

Table of contents translated:  
Put the decisions of the Plenum in practice! p.1  
Sokolov, A. - Quarantine service in Leningrad Province. p.2  
Sonderov, I. - In Fergana Province. p.7

Bykov, V., Shekhyatov, M. - At the stations for plant protection p.9  
Parabin, P., Lebedeva, A. - Profitable business p.10  
Savdzarg, V. - Plant protector's day p.11  
Volchenko, V., Zagainov, N. - Introduced on recommendation by the journal p.13  
Gorlenko, M. - In memory of the fallen comrades p.14  
Trofimov, P., Kozlov, V. - Protection of grain crops in Saratov Province p.17  
Mikhail'skaya, Z. - Controlling grain beetles p.21  
Onishchenko, L. - The biological method helps p.22  
Olfar, A., Bogdan, L. - Controlling the codling moth *Carpocapsa pomonella* p.22  
Konopleva, V. - Use of herbicides in orchards. p.24  
Golentok, P. and others - From the practices in the use of poisonous chemicals p.25  
Nikitin, I. - Polyporaceous fungi on the black poplar. p.28  
Guzeev, G. - Extermination of moths in mountain forests. p.29  
Aleksandr, F., Plakun, L. - Aggregation of the ONK-B with a motor vehicle. p.30  
Burd, V. - Adjustment of machines for vineyard protection p.32  
Markov, F. - Marginal strip spraying of sugar beets p.33  
Bubentsov, S. - Cultivation practices in the control of Fusarium wilt of potatoes. p.34  
Use of the OVT-i sprayer. p.35  
Korchagin, V., Ermolaeva, I. - Calendar for the work of a fruitgrower p.37  
Eberg, A. - Apple blossom weevil (*Anthonomus pomorum*) p.38  
Zakharova, T., Chumakov, A. - Review of the diseases of industrial crops p.44  
Popova, I., Margunova, M. - Diseases and pests of sugar beets in the R.S.F.S.R. p.46  
Leskova, A. - Virus disease of the apple moth *Hyponomeuta malinellus* p.47  
Stepanova, V. - Spraying must be timely. p.48  
Mel'nikova, R., Pyshkin, G. - A dangerous quarantine pest *Coratitia capitata* p.49  
Kriachko, Z., and others - Pay attention to the hemp leaf roller *Grapholitha delinacna*! p.51  
Abkassov, IA. - Paspalum digitaria and dodder in cotton fields. p.54  
Kilushkin, P. - In defense of plant resources. p.55  
Eremenko, V., Kuchumov, A. - Control of the potato nematode in the Gorman Federal Republic. p.56  
Ikhonov, V. - Hungarian Institute of Plant Protection. p.57  
Vederikov, N. - Cicada on grain. p.58  
Shkurpela, I. - Swedish fly and common corn smut p.59  
Soboleva, A. - Virus is transferred by seeds p.59  
Zaklin, N. - Problems of weed control. p.60  
Sakun, V. - Results of the competition p.61  
(DNAL)

**ZEMLEDELIE [AGRICULTURE].** Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 27, no. 5, May 1965.

Table of contents translated:  
Let us fulfill the decisions of the March Plenum of the Central Committee of the CPSU. p.3  
The 25th anniversary of the victory of the Soviet people in the Great Patriotic War. p.7  
Meksin, D. - Exchanging sword for plow. p.7  
Dubil'skiy, A. - State farm agronomist. p.11  
Kroshchik, V. - Always in front. p.14  
Makhatadze, E. - Chief technologist of the land. p.16  
Bobryshev, A. - Strong character. p.19  
Skachkov, I. A. - Conservation of moisture as the main factor in the system of agriculture. p.22  
Proskura, I. P., Bachevskii, S. A. - A valuable green fallow crop. p.26  
Voronova, N. T. - Clean and green fallows in a forest-steppe zone. p.30  
Kolmakov, P. P. - Controlling wild oats. p.32  
Bogel, S. V. - Tillage after postharvest crops. p.35  
Kuz'menko, M. V., Chenokai, V. G. - Methods for corn planting. p.37  
Smotodin, I., Podlaskskii, D. - Wide row single-seed planting of corn. p.43  
Martynovich, N. N. - Corn as fallow crop. p.45  
Krusser, I. F. - Strip planting of corn. p.48  
Khochinov, E. R. - Corn in Bryansk Province. p.51  
Kobolev, IU. K. - Corn as a crop preceding winter crops. p.53  
Antonov, A. N., Elagin, I. N. - Buckwheat in Udmurtia. p.55  
Paseka, V. K. - Practices in producing large crops. p.57  
Panglysh, R. P. - Let us expand the production of buckwheat. p.58  
Ikhimenko, A. F. - Sowing dates and methods for groats. p.58  
Lysenko, D. A. - Wide-row planting of millet. p.60

Fomin, L. P. - 251 poods of millet per hectare. p.62  
Pili'nikova, L. M. - Millet in Novosibirsk Province. p.63  
Shek, G. Kh. - Exterminate the cutworm *Hadena*. p.63  
Filippov, D. I. - Potatoes in seed plots. p.66  
Shechebakov, M. F. - Accelerated meadow formation. p.70  
Narkulov, T. - Three crops a year. p.73  
Pionovskii, I. I., Matinchik, N. V. - Postharvest crops. p.74  
Akhmedov, IA. - Crop preceding sugar beet crops. p.75  
Efimov, M. I. - Placement of fertilizers for corn before sowing. p.76  
Petelina, N. N., Savkina, A. D. - Phosphorus fertilizers for buckwheat. p.77  
Kodanev, I. M., Sechrennikov, A. M. - Fertilizers for meadows. p.78  
Merkur'ev, S. A. - Put the use of mineral fertilizers under control. p.81  
Kazakov, I. N. - Map on the weediness of fields. p.82  
Rubtsov, V. - Why aren't field histories kept? p.86  
Agapov, P. F. - Agriculture in the jungle. p.87  
Dobrev, K., Martynenko, A., Blev, L. - Auxins and the yield of mint oil. p.91  
Baranov, P. A. - Use of nitrogen fertilizers in France. p.92

## 16. TECHNOLOGY

### a. GENERAL

**BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY].** Organ of Gosudarstvennyi komitet pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornou nadzoru [State Committee for Safety Inspection in Industry and Mining, Attached to the Council of Ministers of the R.S.F.S.R.]. Moscow, vol. 9, no. 3, Mar 1965.

Table of contents translated:  
Pay more attention to blasting operations in mines. p.1  
Kashcheev, V. V., Ogloblin, V. N. - Lessons learned from an accident. p.3  
Isakov, IA., Mikita, N. M. - Limiting the use of the Shit-5 and Shit-6 gas detectors. p.5  
Perekrestov, N. A. - Boring holes in slopes of seams subject to explosion. p.7  
Korovin, T. D., Skopin, S. G., Filippov, A. P. - Reducing the danger of fires in Prokopyevsk-Kiselevsk region mines. p.10  
Zymalev, G. S. - Relation between the level of traumatism and the method of mining. p.13  
Voronov, E. T. - Using water to combat dust in permafrost conditions. p.14  
Baraz, V. I. - Increase the control in petroleum and gas producing enterprises. p.16  
Bakullin, A. L. - Studying the causes of traumatism in boring. p.17  
Nikitin, D. D., Stoikh, V. N. - Neglect in technology is one of the causes of accidents. p.19  
Maliakhov, S. G. - Strengthen the control in gas enterprises. p.20  
Dudko, S. I. - Raise the requirements in manufacturing small capacity steam boilers. p.21  
Utin, I. A., Golubev, IU. V. - Ways of increasing the resistance of steel rope for cranes. p.23  
Gorletska, A. V., Vokser, E. S. - Combating noise and vibration in industrial enterprises. p.24  
Pavliukov, V. F., Pozdniakov, V. A. - Unremitting attention should be given to safety. p.27  
Golianskii, Sh. TS. - Inspecting the metal of steam boilers. p.28  
Kuz'minskii, S. T. - Using roof rock for preventing endogenic fires. p.31  
Linnik, P. I. - A thin-walled shell mine support. p.32  
Bezdenezhnykh, A. G. - Performance of flexible high voltage cables in strip mines. p.34  
Ryzhenko, I. A. - Possibility of abruptly changing the feed of air into a section according to the gas factor. p.36  
Bakhtin, F. S., Misenik, IU. M., Ilushin, A. A. - Sensitivity of the DSh-A detonation fuse to mechanical impulses. p.38  
Tkachenko, A. P., Cherkonos, A. I. - Platforms in making slopes on benches and measures to prevent sliding. p.40  
Shmat'ko, E. IA. - Atmospheric condition at the Lebedi strip mine and measures for its improvement. p.41  
Kucheravskiy, F. I., Zelenitskiy, N. M., Krysko, R. S. - Decreasing the scattering of fragments during secondary blasting in strip mines. p.42  
Vikhovich, O. L. - Load carrying capacity of vibration equipment for the drawing of ore. p.44



- Akhimov, A.G. - Taking into account the possible development of cave-ins above blind deposits. p.43.
- Kolevov, P.A., Sakharov, A.S. - Dust removal during the operation of ball mills. p.47.
- Il'ichev, V.I. - Effect of corrosive medium on the equipment of gas condensate wells. p.49.
- Ponizko, T.A., Akinin, G.I., Drozhzhin, B.A. - Combustion of mixtures presenting an explosion hazard from the heated surfaces of electric equipment. p.50.
- Kelunda, G.P., Korobov, I.A. - Non-twisting wire rope. p.53.
- Gorbachev, A.G., Kozhushko, G.G. - Attachment to crane brakes for obtaining a variable braking moment. p.54.
- Results of examining the operating condition of electric equipment in chemical plants subject to explosions and fires. p.60.
- Bagrov, I.A. - Create safe equipment in petroleum and gas industries. p.60.
- Stepan Vasil'evich Zakochinskii, an obituary. p.61.
- \*BULLETEN' IZOBRETIENII I TOVARNYKH ZNAKOV [BULLETIN ON INVENTIONS AND TRADEMARKS].** Issued by Gosudarstvennyi komitet po delam izobretenii i okrytiy SSSR [State Committee on Inventions and Discoveries of the U.S.S.R.]. Moscow, vol. 42, no. 8, Apr. 1965.
- DEFEKTOSKOPIA [DETECTOSCOPY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, no. 1, 1965.
- Table of contents translated
- Sobolev, V.S. - Theory of the superposed pickup method for testing with eddy currents. p.6.
- Kadochnikov, A.I. - Electromagnetic processes in a conductive plate under the action of a pulsed magnetic field. p.15.
- Fal'kevich, A.S. - Magnetographic method for testing welded joints of main and industrial pipings made of ferromagnetic steels. p.19.
- Zatsepin, N.N., Shcherbinin, V.E. - Applied field method for testing pipe billets on surface defects using a ferromagnetic sonde. p.28.
- Dovnar, B.P., Shcherbinina, V.A. - Investigating defect fields in high-speed electromagnetic flaw detection in rails. p.32.
- Korzunin, G.S., Ianus, R.I. - Quality control of small billets for magnetic circuits. p.40.
- Lange, I.U.V. - Some characteristics of the acoustical impedance method of flaw detection. p.44.
- L'vov, G.S., Chuev, I.V. - New standards for ultrasonic testing Part I. p.55.
- Balazovskii, M.IA. - Standards for defect exposures in X-ray and gamma-ray testing. p.57.
- Tomilov, G.S., Matveev, V.I. - Magnetic properties, conductivity and hardness of the M75 rail steel after isothermal quenching and subsequent tempering. p.72.
- Shul'ga, N.G., Zamora, M.F. - Characteristics of the use of alternating current for structural analysis of ferromagnetic materials by the electric resistance method. p.82.
- Vasil'eva, L.D., and others. - Some characteristics of nondestructive magnetic testing of the quality of temper hardening of antifriction bearing parts made of ShKh15 and ShKh15SG steels. p.86.
- Vdovin, I.U.A., and others. - Discussion on nondestructive testing methods. p.90.
- INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS].** Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, no. 5, 1965.
- \*IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES].** Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, no. 2, Feb. 1965.
- Table of contents translated:
- Figurovskii, D.P., Lazarev, V.M. - Averaging the output data of measuring systems. p.1.
- Sychevskii, I.U.V., Kafarov, V.V. - Information characteristics of automatic checking and measuring instruments. p.8.
- Rubnovich, V.I. - Selecting values of the standard magnitude. p.8.
- Kremlevskii, P.P. - Introduction of the International System of Units in the field of physical measurements. p.12.
- Bolashchikov, B.N., Konstantinov, I.U.A. - Protractor. p.13.
- Teplor, A.V. - Measurement of angles in radians. p.14.
- Ped', E.I. - Selecting the parameters of a pneumatic measuring system according to given metrological characteristics. p.15.
- Logacheva, L.N. - Unit for internal measurement of through cylindrical holes with a diameter for 0, 5 to 50 mm. p.19.
- Simkin, G.S., Gafanovich, G.IA. - Electrical contact device for measuring small holes. p.21.
- IAoushkevich, E.P. - Device for checking high-precision inside calipers with the scale division of 0,001 and 0,002 mm. p.23.
- Bondarev, V.I. - Measuring radii of profile gauges with radial heads. p.24.
- Sergeev, N.V. - Goniometer for measuring the profile angle of thrust thread. p.30.
- Faddeev, B.V., Mamaev, K.N., Volotkovskii, V.S. - Transducer for measuring the weight of a load on conveyor belt. p.31.
- Vanho Pak. - Bridge method for comparing noble-metal thermocouples. p.33.
- Fomin, I.U.IA., Gundorin, B.K. - Measuring quick changing fuel temperature at a high pressure. p.35.
- Ritzinger, E. - Metrological testing of transducers used in measuring systems. p.37.
- Eykov, M.A. - Basic characteristics and the use of the Smith bridge. p.38.
- Kneller, V.IU. - New method for separate balancing of a c. bridge circuits. p.42.
- Levin, M.I., and others. - Coding the output signals of M-var-type transducers at pulsed power supply. p.44.
- Gulnikov, V.S. - Oscillator with automatic readjustment of frequency for linear conversion of capacitance to oscillatory period. p.46.
- Zagorakii, I.A.T. - Using electrolytic capacitors in measuring circuits. p.48.
- Cheremnykh, M.A. - Calculating broadband steptransmission from a  $\pi$ -shaped wave guide to rectangular wave guides. p.50.
- Mamuta, G.D. - Signalizer of solution purity. p.54.
- IAkovlev, L.V. - Volumetric apparatus. p.56.
- Vinderman, L.Sh. - Evaluating the state of measuring equipment now in use. p.58.
- Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. p.61.
- LENINGRAD. POLITEKHNIKHESKII INSTITUT, Trudy [POLYTECHNIC INSTITUTE. Transactions].** No. 243, 1965. Metatworking by pressure.
- Table of contents translated:
- Smirnov, V.S., Chudnovskii, A.F. - Using electrothermal and mechanical analogies to study the properties of metals and alloys. p.6.
- Chudnovskii, A.F., Kaganov, M.A., Smirnov, V.S. - Theoretical way of evaluating the heat conductivity of porous alloys at high temperatures. p.12.
- Rozov, I.A., Smirnov, V.S., Chudnovskii, A.F. - Using formulas of correlated conductivity for the study of thermal, electric, and thermoelectric properties of semiconducting materials. p.19.
- Grigor'ev, A.K. - Basic equation in the theory of elastic-plastic bending with an increase in hardness. p.24.
- Smirnov, V.S. - Similarity theory in rolling. p.38.
- Smirnov, V.S. - Geometrical similitude in the rolling of corresponding strips. p.44.
- Smirnov, V.S., Grigor'ev, A.K., Davil'bekov, N.Kh. - Coefficients of metal deformation during rolling in a cogging-down pass. p.54.
- Pavlov, N.N. - Calculating the grooving of section mills according to the method of corresponding strips. p.56.
- Lunov, V.A., Smirnov, V.S., Grigor'ev, A.K. - Analyzing increase in width formulas and methods of the experimental investigation of transverse deformation in rolling. p.69.
- Smirnov, V.S., Kiritsa, V. - Experimental investigation of gripping conditions. p.79.
- Smirnov, V.S., Kiritsa, V. - Effect of inertial forces on metal gripping by rolling mill rolls. p.85.
- Kiritsa, V. - Tolerance for coinciding the elements of periodic sections and roll grooves. p.94.
- Smirnov, V.S., Kiritsa, V. - Applying the dimensional theory to determine the degree of elongation in die rolling with fins. p.96.
- Durnev, V.D. - Multiple groove die rolling. p.108.
- Borisov, V.G., Bogoslavenskii, K.N., Grigor'ev, A.K. - Experimental investigation of surface deformations during plastic bending. p.112.
- Bogoslavenskii, K.N., Grigor'ev, A.K. - Determining the course of shape forming starting from the plastic properties of the blank and the permissible deformation of the section's side edges. p.118.
- Bogoslavenskii, K.N., and others. - Investigating power parameters of rolling on mills with swivel bearings. p.126.
- Grigor'ev, A.K., Bogoslavenskii, K.N., Mel'nikhuk, O.IA. - Investigating force conditions during foil rolling on a continuous two-stand mill. p.132.
- Lunov, V.A. - Investigating the plasticity of KhDN steel. p.138.
- Belikov, N.P., Strakhov, G.N., Kozneltsov, V.A. - Studying variations in pipe wall thickness in the extrusion of heavy nonferrous metal alloys on horizontal 1500 T presses. p.111.
- Tikhauer, P. - Investigating helical rolling with taper grooves. p.146.
- Tikhauer, P. - Determining the capacity and acting forces in helical rolling with taper grooves. p.153.
- Kuzakovich, G.S. - Principles of sizing piercing mill dies for the piercing of titanium alloys. p.157.
- Lapin, V.V. - Thread rolling on screw mills. p.147.
- Kapovich, V.G. - Special characterization of the forming of seamless gas cylinder bottoms. p.173.
- Stoletii, M.F. - Calculating the kinematics of a reduction mills with a differential group drive. p.178.
- Gelberg, A.Z., Stoletii, M.F. - Correlation between the length of the mandrel and the pipe in rolling on a continuous mill. p.186.
- Kononova, E.D. - Origin of the terms "blowing," "slab," "skabbing." p.191.
- No. 240, 1965.
- Table of contents translated:
- Zukarov, N.I. - Radial forces acting on the rotor of a model of a Francis turbine in steady operation. p.7.
- Lamm, T.M., Gutovskii, E.V., Lamm, V.IU. - Nomogram for calculating relative pressure losses in transient processes in hydraulic turbines. p.12.
- Gutovskii, E.V. - Analysis of the conflict made at hydraulic turbines. p.19.
- Flintov, I.N. - Consideration of water hammer in hydraulic turbine systems. p.25.
- Ivanov, I.U.M. - Study of the effect of pressure and cavitation on pressure fluctuations behind the rotor wheel of a hydraulic turbine. p.32.
- Gorgidzhianin, S.A. - Effect of flow approach conditions to the rotor wheel on the form of the  $11 Q$  pressure characteristic of feed pump stages. p.33.
- Dinglov, A.I. - Development and study of the flow-through of an EPN-6 slaking pump. p.45.
- Papir, A.N. - Effect of hydraulic losses on the cavitation characteristics of reversing hydraulic machines. p.53.
- Papir, A.N. - Relationships of the power characteristics of reversing hydraulic units. p.57.
- Basalaev, G.I. - Outdoor system for studying full-sized feed pump units. p.64.
- Buryrov, A.I., Staritskii, V.G. - Methods for studying cavitation erosion using hydraulic turbine models. p.69.
- Kochkarov, A.IA., Babkin, V.F. - Effect of the ribbing of the pump disk on the axial forces of a draught torque converter. p.73.
- Gratinko, L.P., Pylov, I.M. - Selection of the first approximation for flow parameters in interwheel gaps of the hydraulic torque converter with axial turbine. p.77.
- Flintov, I.N. - Effect of the number of motors on the rigidity of a hydraulic drive. p.80.
- MOKSLAS IR TECHNIKA [SCIENCE AND TECHNOLOGY].** Issued by Lietuvos TSR Ministrų Tarybos Valstybinis mokslinis tyrimo darbu koordinavimo komitetas [State Committee of the Council of Ministers of the Lithuanian S.S.R. for the Coordination of Research] and others. Kaunas, vol. 6, nos. 5-7, May-July 1965 [in Lithuanian].
- MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISLEDOVATEL'SKII INSTITUT NAUCHNOI I TEKHNIKHESKOI INFORMATSII. Bulletin [State Scientific Research Institute for Scientific and Technical Information. Bulletin of Technical and Economic Information].** Vol. 18, no. 4, Apr. 1965.
- Table of contents translated:
- Chernov, G.I., Popov, R.V. - Manufacturing water and gas pipes from cut strips in continuous furnace-welding units. p.3.
- Sulakselin, S.S. - Introducing a core drill for the recovery of coal samples. p.6.
- Shitolt'man, V.V. - Unit for making vertical exploratory boreholes of small cross-section. p.7.
- Kadyrova, V.T., Kharlamova, O.T., Aleksandrov, G.A. - Production of phthalic anhydride. p.9.
- Volodin, M.M. - The PE-039 polyester enamel lacquer. p.10.
- Fomin, V.N. - Automatic mixture making and capacitor charging at the "Rostsel'mash" Plant. p.12.
- Krylov, V.I., Mezhibozher, I.L. - Manufacturing aluminum and zinc alloy parts on the die-casting machines. p.14.
- Iushov, Z.I., Knuikov, N.D., Luchkina, O.A. - Introducing a mill for deep burnishing of surfaces. p.17.
- Frid, I.P. - Introducing the K1034 horizontal straightening press. p.20.
- Nikolaenko, M.R. - Introducing carbon-dioxide shielded arc welding at the Ordzhonikidze Plant in Pokrovsk. p.21.

- Bordichevskaya, I. I., and others. - Introducing induction hardening of small-diameter holes by means of "oxiferites." p.25.
- Kuznetsov, A. P. - Introducing the KSh-391 jig grinder with optical control p.28
- Goncharov, S. F. - Machine tool for milling spiral grooves p.27.
- Rogatinikov, L. B. - Introducing the VSH-300 automatic machine for grinding balls before and after heat treatment p.28.
- Kulakov, I. U. M., Khrul'kov, V. A. - Grinding low-magnetic and nonmagnetic steels p.30
- Shilisa, F. I. - Manufacturing a hydraulic turbine for the Krasnoyarsk Hydroelectric Power Station p.33.
- Novgorodtsev, V. A., Girlich, L. I. - Semiautomatic machine for the assembly of segment packs of the rotors of DKHM electric motors p.36
- Kos'min, E. V. - The PN-200M semiautomatic machine for winding the stator coils of electric motors p.38
- Egorov, V. M., Dovzhik, L. B. - Introducing current supply circuits for the PS-10M electromagnet drives of the VMG-133 high-voltage low-oil switches. p.39.
- Fugenirov, M. I. - Characteristics of filament lamps with an iodine cycle p.41.
- Kaufman, D. I., Goretik, M. M. - Introducing the ShLKh-3 semiautomatic tenon-cutting machine. p.43.
- Korol'kov, N. V., Loshchilova, L. P., Cherkinskaya, I. I. - Introducing equipment for processing chemical rope fibers p.44.
- Karashik, Z. S. - The PGK-R Press for gluing rubber heels. p.47
- Alkovenko, F. I., Timofeev, V. I. - Economic efficiency of the use of the T-4 tractor. p.48
- Zagorodniuk, V. T. - Program control systems for automotive units for boring blast holes. p.51
- Tsimekhman, S. I. - Modernizing dies used in die casting with machines having a horizontal compression chamber at the "Elektromappant" Plant p.53
- Gorbanov, G. K. - Introducing hydraulic machines for gauging rotor coils with a pneumatic-removal mechanism. p.55.
- Zhebrovskii, B. D. - Introduction of ultrasonic equipment for pipe cleaning at the Trade Machinery Plant. p.56.
- Bakis, K. A. - Construction of industrial projects by the Smolensk Industrial Construction Trust according to a net-planning diagram. p.58.
- Sheboldashov, I. R., Artyamonov, I. S. - Increasing the economic efficiency of production management. p.60
- Measures for improving the utilization of resources of liquefied petroleum gases and for increasing their production. p.62.
- Development of the production of new kinds of combined feeds with the utilization of food-industry wastes and mineral raw materials. p.63.
- Bogatyrov, P. I. - Work of the research laboratories of the Moscow Institute of Chemical Machinery. p.64.
- Raising the technical level of the glucose industry of the R.S.F.S.R. p.65.
- Production of flax bast in a strip and its processing at Volodga Flax Works. p.67.
- Using shallow water of the reservoirs of the R.S.F.S.R. for the organization of commercial piscicultural units. p.68
- Prasniakov, L. D. - In the economic laboratories of the Central Chernozem Economic Council. p.69.
- Drilakh, M. M., Iasnogorodskii, V. I. - Introducing the chill-molding machine for complex castings by small lots. p.22.
- Egorov, M. M. - Introducing automatic submerged-arc welding of lens compensators for gas-turbine units p.24.
- Ryzhova, S. V. - Introducing the ETA-10 air hardening unit p.25.
- Kozhinski, S. S., Parkman, E. R. - Automatic line for machining the piston of a telescopic shock absorber p.27.
- Koltov, O. N. - Manufacturing the LZ-154 semiautomatic internal grinding machine. p.28.
- Avakian, V. V., Trykhankin, I. D. - Continuous straightening of an abrasive wheel on a ball-grinding machine. p.29.
- Goldberg, I. E., Stadnichenko, V. I., Leusenko, N. I. - Automation of the technological process of manufacturing stator plate sections for micromotors of the new unified series. p.30.
- Seroukhov, S. S. - Calibrated high-voltage body insulation of stator winding sections of electric motors. p.33.
- Karashik, Z. S. - Presses for sole cementing p.35.
- Podkovskii, A. F. - Introducing the SZKP-24 combined pressing grain drill p.37
- Baryshevskii, L. M., and others. - Using the KO oilless binder for preparing core mixes. p.39.
- Urbanovich, B. I. - Making the UPN-6-53 unit for powder spraying of low-melting materials. p.42
- Kozlov, V. I., Papazov, N. F. - Using plastic supports for the MK-54 and MK-55 machine tools. p.44.
- Iodlovich, S. M. - Organization of the accounting for economic efficiency in planning and adapting new equipment and technological processes in industrial production. p.46.
- Shilisa, F. I. - Exchange of experience in the increasing of reliability, durability and economic efficiency of energy-producing equipment. p.47.
- Freinkel, A. A. - Using mathematical statistical methods and electronic computers in the analysis and planning of labor productivity and cost of manufacture. p.48.
- Overall utilization of larches in the national economy. p.52.
- Organizing the production of synthetic glycerol p.54.
- Ivanov, R. G. - Introducing new processes in the production of aromatic hydrocarbons. p.54.
- Voblikov, S. G., Dobrynin, A. S. - Training scientific specialists in the R.S.F.S.R. p.55.
- Mel'bart, I. U. G. - Survey of the technical standard of the output of machinery plants in the Leningrad Economic Region. p.58.
- Litvin, L. I., Kochek, R. I. - Practice in saving and replacement of not easily available nonferrous metals and alloys in the enterprises of North Caucasus Economic Council. p.59.
- Prasniakov, L. B. - Improving the system of production management. p.62.
- MOSCOW. VSEIOUZNIY INSTITUT NAUCHNOY I TEKH-NICHESKOY INFORMATSII. Nauchno-tekhnicheskaya informatsiya [ALL-UNION INSTITUTE OF SCIENTIFIC AND TECHNICAL INFORMATION. Scientific and Technical Information]. No.1, 1965.
- Table of contents translated:
- Tasks of information services in 1965. p.3.
- Gaukhman, L. A., Stromilov, N. N. - Attracting State publishers to publish reference and information works for research, design, and construction organizations and enterprises of the country. p.5.
- Zaitsev, F. I., Stanovskii, M. M. - Structure of the Central Office of Technical Information should conform with the main trends of its work. p.8.
- Neimer, I. U. L. - In defense of the branch principle. p.11.
- Kharitonov, R. P. - System of reporting in a central branch institute of information; work practices. p.13.
- Griukorov, B. S. - Practice in forming branch engineering card catalogs. p.14.
- Kuz'min, V. V. - Seminar of directors in an active form of promoting advanced practices. p.16.
- Shubskaya, L. S. - In the Interdepartmental Committee on Classification. p.17.
- Fainzinger, S. S., Starobinskaya, N. G. - Conference of Supervisors of Information Organs of the Economic Councils of the R.S.F.S.R. p.18.
- Seifer, A. L., Matveeva, A. A., Pantiukhina, M. E. - Machine translation of formulas for inorganic compounds toward a systematic nomenclature. p.23.
- Marchevskii, M. V. - Reference organization of the reference and information collection of the Kiev Zonal Research and Designing Institute for Standard and Experimental Designs for Apartment Houses and Public Buildings. p.25.
- Shurman, I. A. P. - Device for the computation and printing of alphabetical and numerical information from punched cards [USP-1]. p.29.
- Brilling, K. K., Levinskii, L. S. - Magnetic memory storage in an informational and logical machine. p.32.
- Zaitsev, V. I. - Using waste punched cards as cards with perforated borders. p.37.
- Arapov, M. V., Shroldier, I. U. A. - Semantics and machine translating. p.39.
- Lakhuti, D. G., Cherniavskii, V. S. - Algorithmic recognition of the meaning of homonyms, preliminary report. p.46.
- Jimenes, Nunes, A., Glosachev, O. I. - Problems in the development of scientific information in Cuba. p.48.
- Oshanina, E. A. - Calendar of international and national conferences, seminars, and meetings in 1964 on problems of scientific information, bibliography, and library science. p.54.
- No.2, 1965.
- Table of contents translated:
- Shekurin, D. E. - Role of the main research institute in a branch information system. p.3.
- Iatsenko, G. G. - Consultation is one of the most effective means of publicizing the achievement of science and technology. p.7.
- Bogumilchik, I. K. - Problems in organizing the introduction of measures taken from literature and advanced practices at the Izhora Plant. p.9.
- Toman, I. - International Conference on Scientific Research in the Field of Classification. p.11.
- Decisions of the Second International Conference on Research in the Field of Classifications, adopted at the concluding session September 18, 1964. p.14.
- Skorokhodko, E. I. - Information storage and retrieval systems with improved parameters. p.16.
- Molotskaya, T. N., Nikolaeva, T. M. - Alteration of forms in Russian grammar. p.22.
- Kravets, L. G. - Quantitative analysis of the terminological facility of a vocabulary. p.27.
- Malov, L. V. - Developing scientific and technological information and documentation in Bulgaria. p.30.
- No.3, 1965.
- Table of contents translated:
- Mikhailov, O. A. - Patent information in 1965. p.3.
- Shneiderman, I. A. - Some aspects of the work of the Scientific and Technological Information Section of the Research Institute. p.6.
- Sadovnikov, V. A. - Organization of single-purpose selection of information materials; practices of the Moscow Small Car Plant. p.9.
- Chadlev, K. F. - Short-term seminars for information workers. p.12.
- Fridman, A. I. A. - Technical translator's work with a dictionary. p.14.
- Rafits, I. A. M. - Reviewer groups at the "Kaluga-pribor" Plant. p.18.
- Volkov, A. N. - Practices in organizing technological promotion in a plant's technological center. p.19.
- Krjukov, F. G. - Practices of the center for science and technology promotion in the Podolsk Economic Council. p.20.
- Grel'skii, V. L., Mikheeva, N. N., Nadochil, A. I. - Practices in the realization of an information retrieval system of an inversion type based on a computer. p.21.
- Klesin, P. Kh. - Using punched cards in the Institute of Zoology of the Academy of Sciences of Moldavia. p.33.
- Revzin, I. I. - Extension of a theoretical and multiple model to a language with grammatical homonymy. p.34.
- Marchuk, I. U. N. - Determining the role of substantive and verb in an English text during grammatical analysis for machine translation. p.39.
- I. P. - Colloquium on Algebraic Linguistics and Machine Translation in Prague. p.44.
- Meetings of the Central Classification Committee and the committees for the revision of the Universal Decimal Classification during the 30th annual conference of the International Federation of Documentation. p.45.
- Seliga, J. - Polish Branch Center for Technical and Economic Information in the Field of Water Economics. p.48.
- No.4, 1965.
- Table of contents translated:
- Fridman, A. I. A. - V. I. Lenin and the problems of scientific and technical information and propaganda. p.3.
- Kolchinskii, M. L., Kruglov, S. L. - Science and technology documentation in an information system. p.5.
- Vvedenskii, T. A. - Standards as a source of technological information. p.19.
- Lobanov, G. V. - Conference Devoted to Improving the Work of Information Organs of the State Committee of Building, Road, and Municipal Engineering Machine Construction in the State Committee on Construction of the Council of Ministers of the U.S.S.R. p.21.
- Beaskii, K. A., Marchevskii, M. M. - Inspection-competition for the best system of information work in construction organizations and the building materials industry of the Ukraine. p.22.

Vol. 18, no. 5, May 1965.

Table of contents translated:

- Malorov, N. P. - Using radiolotope pickups in automatic control of units for continuous steel teeming. p.3.
- Kazakov, P. P., Starovoltov, E. T. - Developing boron ore for ferroboreon smelting. p.4.
- Namiatova, L. E., Namiatov, G. N. - Practice in dust utilization in the sintering shop of the Karaganda Metallurgical Plant. p.6.
- Chernenko, N. P., Chikina, V. G., Khasin, G. A. - Introduction of an induction heating unit for the recrystallization of cold-drawn rod steel. p.7.
- Tutnov, A. I. - Mechanized heading-machine units for the construction of sewage tunnels. p.10.
- Dzerzhinskaya, L. A. - Increasing the strength of threaded joints of boring pipes. p.12.
- Nazarenko, V. M., Bel'chikov, M. I. A. - Introducing a reagent for the flotation of coal smalls. p.14.
- Belyi, V. A., and others. - Efficiency of the use of polymer gear wheels. p.15.
- Misharov, A. F. - Introducing a unit for bottling nitric acid. p.17.
- Panchenko, G. F. - Introducing a valveless proportioning pump. p.17.
- Sekhin, V. E. - Development of the instrument industry in the R.S.F.S.R. in 1960-1970. p.18.
- Gus'kov, V. V., Zolov, S. A. - Introducing an automatic unit for the distribution of mold sand. p.20.

- TsUkerman, A. M. - Translation of chemical nomenclature, algorithm of the translation of the names of cross-linking [condensed] polycyclic structures. p. 23
- Shchebekova, L. A., Kotlar, G. I. A., Vledits, G. E. - Use of systems of binary structural notations for retrieval of information about organic compounds p. 31
- Mal'chuk, I. A. - Automatic morphological synthesis p. 35
- Frumkina, R. M. - Comprehension of a text in case of limited knowledge of the vocabulary. p. 44

## NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]

Issued by Gosudarstvennyi komitet Soveta Ministrov Latviskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Latvian S.S.R. for the Coordination of Research] and others. Riga, no 6(59), June 1965.

NOVYE KNIGI ZA RUBEZHOM Seriya B Tekhnika

{NEW FOREIGN BOOKS Series B Technology}  
Published by Izdatel'stvoinostrannoi literatury [Pub-  
lishing House of Foreign Literature] Moscow, vol 9,  
nos 4, 6, Apr., June 1965

PROMYSHLENNOST' ARMENTII [INDUSTRY OF ARME-

NIA] Issued by Sovet narodnogo Khoziaistva Arмян-  
skoi SSR [Economic Council of the Armenian S.S.R.]  
Yerevan, vol. 8, no. 4, Apr. 1965

Table of contents translated

Erznkian, L. - Accelerate the tempo and improve the quality of construction operations p 3

Asratian, G. - *Bentonites in Armenia* p 8

Perepechko, N. - Using chemical fibers in manufacturing woolen fabrics p 10

Asmangulian, T. - Prevent reservoir pollution by waste waters from the enterprises of the mining industry. p.11.

Pogosian, E., Buniatova, A. - Development of new nonferrous metal deposits p 12.

Adzhemian, V. - Production conditions and the loading of the 1861 and 163 machine tools p.14

Khachatryan, S. - Determining expedient limits for the standardization of parts and units p 15

Abramian, E. - Performance of automotive freight transportation and of the organization of a centralized haulage p 18

Drampian, S. - Reduce the idle stand of cars and improve operating conditions of approach railroad tracks. p 20

Gevorgova, O. - Automation of production processes p 22

Ter-Stepanov, G. - Mechanization of finishing operations at the A F Miasnikian Furniture Factory p.23

Eirng, L., Grigorian, Kh. - Methods of the purification of waste water from gold-recovery plants. p.25.

Abramian, A., Abramyan, V. - Technology of the production of stone-ceramic articles from basalt. p.27.

Golidae, I., and others. - Pneumatic gas-jet thermo-drill for working hard rocks. p.29.

Gabrielian, G. - New machine tools p 31.

Akopian, S. - Low-cost putty p 33

Tarasov, S. - The D90 electric measuring pinchers p 34

Sarafian, A. - Innovators represent the active force of technological progress p 36.

Gabumian, V. - Erivan confectioners suggest p 38

Antonian, A. - Some characteristics of hydrogen-cooled turbogenerators p 40

Avakian, V. - Wear-resistant cast iron for units subjected to impact loads. p 42

Tigranian, M. - Increasing the efficiency of the use of BK-37 carding machines. p.44.

Badalian, M. - Production of rolled alim-concrete dividing walls p.47

Shliakhova, P. - Foreman Sarkis. p.50.

Dafian, G., Aisagorstian, Z. - Characteristics of Armenian granites and their use p 52

Mamizidzbanian, A., and others - New methods for constructing walls and making wall elements of stone and concrete. p 54

Khodzhamirian, IU. - Effect of heating on the damages of stator windings of hydraulic generators p 58

Akopian, A. - Flexures of reinforced concrete beams depending on the age of concrete during the loading p.60.

At the artistic design bureau. p 63.

Martirosian, S. - Voluntary character of the activity of scientific and technological societies. p.65.

In the U.S.S.R. p 68.

In the Committee of Party and State Control of the Central Committee of the Communist Party of Armenia and of the Council of Ministers of the Armenian S.S.R. p 72

In the Economic Council of Armenia p 74.

In the House of Technology of Armenia. p 76

Brief news p.77.

Frangulian, V. - Regulations for the establishment of contract relations by accepting orders for execution p 77

REFERATIVNYI ZHURNAL' METROLOGIIA I IZMERI-  
TEL'NAIA TEKHNIKA (Oldel'nyi vypusk 32) [JOUR-  
NAL OF ABSTRACTS MENSURATION AND MEAS-  
UREMENT TECHNIQUES (Separate Issue 32)] Issued  
by Institut nauchnoi informatsii Akademii nauk SSSR  
[Institute of Scientific Information of the Academy of  
Sciences of the U. S. S. R.], Moscow, no. 6, June 1965.

Sciences of the U.S.S.R. Academy of Sciences, Novosibirsk 630090

## TEKHNICHESKAI A ESTETIKA [INDUSTRIAL AESTHET-

ICS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut tekhnicheskoi estetiki [All-Union Scientific Research Institute of Industrial Aesthetics], Moscow, no. 3, Mar. 1965.

Table of contents translated:

Zuzanov, G - Development of machine-tool manufacturing and requirements of the industrial design of machine tools p 1

Daydovskiy, A. - Aid for the industrial designer. Technological efficiency and industrial design. p 8.

Malorova, E. - Nonmetallic materials in machine-tool manufacture. p 16.

Blukhin, V. - Identification code coloring of intrashop piping systems p.18

Ivanov, K - Nature and substance of design. p.21

Greiner, L - Teaching the course in industrial design in the institutions of higher learning p 25.

List, G., Shvill, V. - Fitting and assembly tools. p 26

Bonier, M - Industrial aesthetics and industrial design in Belgium. p 30

In the design organizations p 32.

News review p.3 of cover.

No. 4, Apr. 1965

Table of contents translated.  
Conference on industrial designing. p.1  
Shvili, V. - Some problems in the making up of assortments. p.2  
Orlov, I. A. - Demand, price, quality. p.3.  
Trakhtenb., G. - Study by commercial organizations of the consumers' demand. p.5.  
Pavlichkov, V. - Methods used in the Kazakhstan S.S.R. for the control of consumers' goods assortment. p.6.  
Dolmatovskii, IU. - Evaluating automobile quality on the basis of consumers' requirements. p.7.  
Kolosov, A. - Quality of household electric vacuum cleaners. p.14  
Antonovov, A., Petrov, S. - Creative results of the contest "Design suggestions." p.17.  
Pechkova, T. - Soft thermoplastic materials for the interior decoration of the means of transportation. p.19.  
Kudrinskii, R., and others - Specialization is indispensable. p.22.  
Exhibition of Czechoslovak posters. p.30.  
Kilmaev, B. - Industrial aesthetics in the design of electric locomotives. p.32.  
News review. p.3 of cover.

No 5, May 1965.

Table of contents translated.

Somov, IU. Analysis is a sine qua non of industrial design. p. 1.

Solomatina, A., Restkov, V., Shekhov, B. - One of the quality criteria of shape. p. 8.

Ivanov, K. - Nature and substance of design. p. 12.

Butusov, V. - Experience in the teaching of the course in industrial design in the Bauman Higher Technical School in Moscow. p. 16.

Boltukhin, A., Solov'ev, S. - Include technical drawing in the program for training industrial designing engineers. p. 18.

Isievich, V., and others. - What kind of program for the course in "Industrial Design?" Opinion of teachers and students. p. 20.

Rubinshtein, B. - Finishing and decoration of motorcycles and bicycles. p. 22.

Developing the industrial design of mechanized loaders. p. 24.

In the design bureau. p. 32.

News review. p. 3 of cover.

## TEKHNIKA - MOLODEZH [TECHNOLOGY FOR YOUTH]

Issued by TSentral'nyi komitet Vsesoluzhnogo lenin-  
skogo kommunisticheskogo soюза molodezhi [Central  
Committee of the All-Union Communist Youth League  
of Lenin]. Moscow, nos. 6-7, 1965.

## TIFLIS, GRUZINSKII POLITEKHINICHESKII INSTITUT

Trudy (GEORGIAN POLYTECHNIC INSTITUTE,  
Transactions), No. 7(92), 1963. Transportation,  
Table of contents translated.

Ananov, A. A., Maryashanilov, G. D. - Design of  
guard rails for small radius curves, p. 3.

Bitkashvili, M. I. - Construction of black top roads  
in Georgia, p. 9.

Bitkashvili, Z. S. - Determining the prospective  
traffic intensity on the base of the materials of  
direct surveys on the automobile roads of the  
Georgian S.S.R., p. 19.

Biskinashvili, Z. S. - Characterization of the method of the construction black top roads under various climatic conditions of the Georgian S. S. R. p. 17.  
 Goglidze, V. M. - Ways to increase the stability of asphalt-concrete road topping. p. 21.  
 Gvishvildze, V. M., Bakuchelov, I. R. - A new arrangement of station rocks. p. 29.  
 Gvaramadze, L. L., Orshadzagava, Sh. A., G. G. Gvashvili, G. L. - Intensification of the performance of a diaphragm impeller under the action of wetting the cooled surface with water. p. 39.  
 Eziashvili, M. N. - Arrangement of guard rails on curves along the inside rail. p. 47.  
 Katsivadze, G. N., Blus, I. K., Zhakhvradze, D. I. - New experimental data on the dynamic parameters of reinforced concrete arches. p. 55.  
 Karapetishvili, B. A. - Concept of static regularities in bourgeois and Soviet social sciences. p. 81.  
 Kokashvili, D. D. - Selecting the optimum system of structures for flood water passage. p. 77.  
 Konishvili, A. F. - Determining the maximum rate of gradient in sections with artificial development of the route. p. 89.  
 Makharadze, G. M. - General theory of transient processes in nonsymmetrical induction machines as applied to asynchronous phase converters of a.c. electric locomotives. p. 99.  
 Melik-Bakhtanishvili, I. A. - Classification of river regulation and shore protection structures. p. 113.  
 Nazarbekov, V. E. - Selecting the method for the construction of a railroad tunnel. p. 115.  
 Oklanashvili, D. A. - Characterization of the method of properties of modern locomotives and the correct calculations of train weights. p. 120.  
 Khataishvili, A. I. - Design of drain holes for the drainage of operating tunnels. p. 155.  
 Tskhakadze, G. D. - Binding forth the economic advantages of the application of measures for the elimination of the undesirable overloading of the traction motors of electric locomotives. p. 161.  
 Pichkhadze, I. P. - Some characterization of the mechanical calculation of composite wires. p. 175.  
 Roinishvili, N. M. - Urgent tasks for the increase of the efficiency of the measures for the control of rockfall phenomena. p. 185.  
 Khodzhishvili, M. A. - Devices for the reinforcement of the foundations of the structures for shore protection against washouts. p. 195.

VSESIOIUZNYI SOVET NAUCHNO-TEKHNIČESKIH SÖETI  
OBSCIENESTV. Nauchno-tekhnicheskoe obščestvo  
SSSR [ALL UNION COUNCIL OF SCIENTIFIC AND  
TECHNICAL SOCIETIES, Scientific Technical  
Societies of the U.S.S.R.]. Moscow, vol. 7, no. 3173  
May 1965.

Table of contents translated:

Belonogov, I. - In the years of the Great Patriotic War. p. 2.

Efremov, A. - Walking above the earth. p. 0

Important link in the system of scientific and technological education. p. 0.

Budzko, I., Shchukin, S. - Electrification of farm production. p. 11.

Pashkov, M. - Requirements of printing. p. 15.

Nilender, R. - Program of our actions. p. 16.

Regunov, F. - In a crusade for quality. p. 21.

Chumakov, S. - Produce more for the culture of higher quality. p. 23.

Lerbisher, A. - Conductor of an unusual orchestra. p. 25.

Razumov, A. - The question has been put in time. p. 27.

Pelchik, N. - All depends on the man. p. 29.

Bruchas, A., Bariss, A. - The largest in Europe. p. 30.

Pogorelyi, V. - Verified by practice. p. 32.

Erotski, I. - Book for the masses. p. 33.

Leonidov, L. - Comments on the report. p. 37.

Smurov, P. - The fifth workshop. p. 40.

Ezhkov, V. - Farm workers conduct a creative search. p. 42.

Kazanskii, V. - At the remote Taymyr. p. 46.

Mikushkov, V. - The 104th element has been put into service. p. 47.

New developments in the Soviet science and technology. p. 50.

Filippov, M. - People's university of science and technology. p. 52.

Oranzherova, V. - Strengthening contacts. p. 56.

Dmitriev, S. - From scientific circles to the All-Union Society. p. 61.

## ZA TEKHNIЧЕСKII PROGRESS [FOR TECHNOLOGI-

**CONGRESS FOR TECHNICAL PROGRESS].** Organ of Gosudarstvennyi komitet SSSR po koor-dinatsii nauchno-issledovatel'skikh i inzh.-ekon. Sovet narodnogo khoz.iastva Azerbaidszhanskoi SSR [State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research and the Economic Council of the Azerbaijan S.S.R.], Baku, vol. 5, no. 3(61), Mar. 1965.

Topchilbashov, M A, Khasnumedov, F I. - Experimental determination of frequency characteristics of a tubefill heater under normal operating conditions. p.1

- Ablov, A. G. - Experimental methods for determining dynamic characteristics of industrial units and their comparison. p. 5.
- Fataliev, M. D. - Device for programming lowering operations in well drilling. p. 9.
- Savin, V. V., Izmailova, L. Z. - Self-compensating time-to-pulse transducer of angular displacements. p. 11.
- Kantorovich, V. B., Shapovalov, G. A. - Decimal-binary reversible switch. p. 14, 45.
- Askarov, T. M. - Using electronic computers in processing economic information. p. 16.
- Aliev, G. A. - Problems of mathematical (statistical) simulation of production processes with the use of electronic digital computers. p. 19.
- Dzhuvary, Ch. M., Vochkhalzer, G. V., Aliev, M. N. - Experimental determination of overvoltages in disconnecting a 220 kilowatt line. p. 22.
- Mamedov, F. A., Terekhova, N. A. - Analysis of transient processes in an electric drill in case of symmetrical and nonsymmetrical current supply. p. 24.
- Neimatov, T. A. - Comparing operating characteristics of frequency converters for supplying current to electric pump motors. p. 28.
- Kadyrov, A. M. - Specialization promotes technological development. p. 30.
- Ametov, M. I., Shlimak, I. A. B. - Drill pipe joints made of 40KhP nickelless steel. p. 32.
- Grigorian, N. A., and others - Preventing the body wear of three-roller bits. p. 35.
- Nagrev, V. F., and others - Investigating the effect of ferric oxide on the corrosion of steel in soils. p. 37.
- Farkhadov, A. A., and others - Investigating the corrosion of steel in fresh water and methods for its prevention. p. 40.
- Abdullaev, A. M., Gamklov, I. A. A. - Efficiency of the use and specialization of automotive transportation for freight haulage in industry. p. 43.
- Nabli, A. D., Rustamov, M. A. - Economic expediency of using investments and basic production resources in the meat and dairy industries of Azerbaijan. p. 46.

\* **ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ [JOURNAL OF TECHNICAL PHYSICS]**, Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 35, no. 3, Mar. 1965.

- Table of contents translated:
- Popov, G. I. A. - An approximate method for solving an integral equation describing the diffraction of electromagnetic waves on a strip of finite width. p. 381.
- Vandakurov, I. U. V. - Steadying of some instabilities of a plasma column carrying current in a strong magnetic field. p. 390.
- Vandakurov, I. U. V. - Slowing down of channel instabilities due to strong interaction between a plasma and a neutral gas. p. 398.
- Sladi, M., Iavor, S. I. A. - Motion of relativistic charged particles in two-dimensional electron systems with a median plane. p. 402.
- Shubin, A. P. - Behavior of the axisymmetrical flow of an ideally conducting gas near the edge of an angle. p. 408.
- Vitkov, M. G. - Penetration of a pulse magnetic field into a cylindrical screen. p. 410.
- Kazanskii, G. S., Tsarenkov, A. P. - Control of a beam of accelerated particles during irradiation of thin targets in a synchrotron of the Nuclear Radiation Testing Plant. p. 414.
- Giorgadze, N. P. - Nonlinear interaction between a charged particle beam and a plasma. p. 416.
- Shukello, I. A. - Theoretical analysis of the process of particle extraction from a strong-focusing synchrotron under conditions of parametric resonance. p. 421.
- Riabinkin, I. U. S. - Effect of the law of change of the cross-sectional area of a one-dimensional electron beam on the current intensity in the beam. p. 428.
- Dymnikov, A. D., Flahkova, T. I. A., Iavor, S. I. A. - Effect of the geometrical parameters on the optical characteristics of a system of four quadrupole lenses analogous to an axisymmetrical lens. p. 431.
- Lomnadze, D. G., Stepanov, K. N. - Excitation of plasma oscillations by an oscillator flux. p. 441.
- Lomnadze, D. G., Stepanov, K. N. - Excitation of longitudinal low-frequency plasma oscillations by a charged particle flux with an anisotropic distribution function. p. 449.
- Alvazian, I. U. M., Sedrakian, D. M. - Radiation from the open end of a plane semi-infinite wave guide. p. 450.
- Kuznetsov, R. S. - Quality factor of a spherical resonator. p. 468.
- Angelesko, V. V., Kitenko, A. B. - Cyclotron excitation of magnetoacoustic waves by a charged particle flux. p. 470.
- Belousova, L. E. - Diffusion theory of a positive column. p. 475.

- Zhileiko, G. I., Sledkov, B. A. - Equations describing the motion of electrons in a traveling wave field allowing for nonlinearity of the second order. p. 486.
- Zykov, A. I., Makhnenko, L. A. - Calculating the phase velocity of a wave in the septate wave guide of a linear accelerator. p. 489.
- Makhnenko, L. A., Zykov, A. I., Kramskoi, G. D. - Calculating the field intensity in a traveling-wave linear accelerator. p. 496.
- Zykov, A. I., Makhnenko, L. A. - Calculation of the group wave velocity and damping in the septate wave guide of a linear accelerator. p. 502.
- Zykov, A. I., Makhnenko, L. A., Kramskoi, G. D. - Determining the equivalent reflection coefficient of the septate wave guide of a linear accelerator. p. 508.
- Tulin, M. A. - Acceleration of ions in a plasma produced by contact breaking of a current in a vacuum. p. 511.
- Meatals, G. A. - Peaking spark gaps insensitive to the pulse amplitude. p. 516.
- Levin, G. I. A., and others - Asymmetry of the inter-electrode space and its effect on the static characteristics of a cylindrical magnetron. p. 518.
- Chalkovskii, E. F., Pitsayn, G. N. - Positive surface ionization of potassium on textured platinum bands. p. 528.
- Dobretsov, L. N. - Effect of an electric field on the surface ionization of metals. p. 535.
- Gavazian, E. D., Mergellan, O. S. - Interaction between charged particles and gyrotropic ferrite. p. 539.
- Minskov, L. L., Raigorodskii, L. D., Finagin, B. A. - Reflections of atomic fluxes of potassium, rubidium, and cesium from a quartz plate. p. 542.
- Derlugin, I. A., Strizhevskii, V. L., Kuts, P. S. - Superhigh-frequency Faraday devices under variable magnetization. p. 546.
- Alkhanov, S. G., Ivanila, S. P. - Temperature and density distribution in a high-temperature stationary arc. p. 557.
- Bakulina, I. N., Zandberg, E. I. A., Ionov, N. I. - Emission of positive and negative molecular ions from heated surfaces. p. 562.
- Lomnadze, D. G. - Cherenkov radiation from a ring current in a Brillouin cloud. p. 568.
- Kondrat'ev, I. G., Talaev, V. I. - Use of Lorentz's formula in calculating the fields of emission from given sources in infinite media. p. 571.
- Lembra, I. U. A. - Calculating the particle envelope in accelerators. p. 574.
- Mashkova, E. S., Melchanov, V. A. - Anisotropy of the coefficient of ion-electron emission from copper single crystals. p. 576.
- Gekker, I. R. - Experimental study of plasma acceleration by the gradient of a superhigh-frequency field. p. 577.
- Krasovitskii, V. B., Kuriko, V. I. - Traveling waves in a nonlinear electromagnetic medium. p. 580.
- Lomadze, T. S. D. - Transformation of waves on the interface plasma - vacuum. p. 582.

## b. AERONAUTICS

**AVIATSIYA I KOSMONAVTIKA [AVIATION AND ASTRONAUTICS]**, Moscow, vol. 47, no. 7, July 1965.

- Table of contents translated:
- Kokarev, P. - Squadron commander. p. 2.
- Dublik, A. - Before you make a decision. p. 6.
- Nazarov, O. - Comrade commander. p. 10.
- Sul'hanov, A. - "Lock on and launch." p. 16.
- Chivkin, A. - Hundred seconds of an attack. p. 21.
- Ermakov, V., Petrukhin, P. - Bomber crew conducts the search. p. 24.
- Petrov, S., Chebolarev, I. - Ground target shooting from the L-29 airplane. p. 20.
- Zhuchenko, K. - Weather reconnaissance. p. 33.
- Kozlov, V. - Active relaying units on orbits. p. 36.
- Stvolinskii, I. U., Churin, I. - Scouts of space tracks. p. 42.
- Stepantsov, V., Eremin, A., Alekperov, S. - In space without supports. p. 48.
- Umanskii, S. - Pressure suit for air pilots and astronauts. p. 54.
- Kuznetsov, N. - Turbofan jet engine. p. 61.
- Tarazov, I. U. - Near the ceiling. p. 68.
- Borshchevskii, I., Lapasov, E. - Noise problem. p. 75.
- Bragin, V., Samarin, N. - The second life of an airplane. p. 78.
- Rafalovich, S., Smolkin, Z., Govorov, O. - Without complaints. p. 81.
- Shilintsev, D., Sviridenkov, N. - A great force. p. 84.
- Sharovov, P. - Demonstration is the best popularization method. p. 88.
- Rachkovskii, J. - Polish aviation today. p. 88.

**GRAZHDANSKAIA AVIATSIYA [CIVIL AVIATION]**, Issued by Glavnoe upravlenie grazhdanskogo vozdukhogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U.S.S.R.], Moscow, vol. 19, no. 5, May 1962.

- Table of contents translated:
- Smurov, P. - Turning over the pages of a complete set of "Pravda." p. 2.
- Klavyn, M., and others - For spring-summer navigation. p. 4.
- Malanchev, L., Maksimov, E. - Toward the sun. p. 6.
- Sidorov, V. - For great cooperation. p. 8.
- Shipov, V. - You won't go far with only enthusiasm. p. 9.
- Kazantsev, N. - Innovator Aleksandr Bozhenov. p. 11.
- Gorshkov, A. - Controls of economic effectiveness. p. 12.
- Slivenko, V. - The collective can handle everything. p. 15.
- Fokhn, E. - You are the master of production. p. 18.
- Babukh, A. - A young generation which fights. p. 19.
- Gol'tsov, V. - Contrasts of the outlying districts. p. 20.
- Doroshenko, F. - When a living thing sacrifices to form. p. 22.
- Batalov, V. - Ordinary people. p. 24.
- Karama, A. - Technology news. p. 25.
- Konieczny, Jerzy - Polish air lines. p. 29.

Vol. 19, no. 6, June 1962.

- Table of contents translated:
- Decisive days. p. 1.
- Rozheniat, M. - Overload and curvilinear flight. p. 2.
- Kontar', V. - New weapon of agricultural aviation. p. 5.
- Samokhin, V. - It's the same way with us. p. 7.
- Luzhetski, K. A. - More than 14,000. p. 8.
- Privalov, V. - A remarkable flight. p. 9.
- Nadaliak, G. - Shall we teach students, as life demands? p. 10.
- Krasnov, V. - Meditations at the receiver. p. 11.
- Svirinov, I. U. - For the Soviet man. p. 12.
- Maksimov, E. - Planes go out along the dew. p. 15.
- Kocharov, N. - The Republic of Mali finds its wings! p. 16.
- Karama, A., Zakharevich, L. - Streams are so different. p. 17.
- Turkin, I. - Important source of economy. p. 18.
- Kuzakov, Vladimir - Forward to a feat. p. 20.
- Nastorenko, I. - Attention: An advertisement. p. 22.
- Sergeev, I. D. - According to the principle: He who seeks shall find. p. 23.
- Kondrat'ev, P. - For peace and friendship. p. 26.
- Zhebrat', V. - When the freight is opened. p. 28.

Vol. 22, no. 6, June 1965.

- Table of contents translated:
- In the interests of agriculture. p. 1.
- Labor organizations should be on a scientific basis. p. 1.
- Pyzhenkov, N. - Summer navigation, an examination for maturity. p. 2.
- Each route a model one! p. 4.
- Luzhetski, K., Gorinov, V. - Tasks, prospects, difficulties. p. 7.
- Lushvina, V. - Two sides of one problem. p. 7.
- Iuzhakov, I. U. - A helicopter with the geologists. p. 9.
- Proshin, A. - On the night shift. p. 10.
- Antipenko, I. - A conditioner always in good working order. p. 11.
- Mikhalev, I. - Experience steps to the North. p. 12.
- Umanskii, B., Omela, V. - In the position of a stepson. p. 13.
- Molchanov, A. - ...and service is service. p. 14.
- Semenov, A. I. - The first day and the last day. p. 16.
- Midushko, N., Bakarinov, M. - The technicians did not go into the attacks. p. 18.
- Shmel'kov, A. - Under guided conditions. p. 20.
- Klassov, A. - Advantages of unipolar radio communication. p. 21.
- Riabinkin, A. - Theoretical luxuries. p. 22.
- Zorin, V. - On the air routes of the English. p. 24.
- Borisov, I., Vasin, G. - By airplanes of all types. p. 25.
- Plokhov, A. - The problem of a club or talents without admirers. p. 26.
- Technical novelties. p. 27.
- Aleshin, I. - Pilot number four. p. 28.
- Smirnov, V. - Attention: The strip is wet! p. 30.

**KRYLIA RODINY [WINGS ON THE MOTHERLAND]**, Issued by Vsesoyuznoe dobrovol'noe obshchestvo sodeistviya armii, aviatsei i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy], Moscow, vol. 10, no. 5, May 1965.

- Table of contents translated:
- Rudenko, S. - Great feat of the people. p. 1.

Chronicle of combat glory pp. 3, 7, 11, 16  
 Vorzheikin, A. - Victory banners over Berlin p. 4  
 Gaponov, V. - Regimental comrades p. 8  
 Lisov, I. - For the motherland! p. 8  
 Valentinov, G., Mitrofanov, N. - It happened near Borodino p. 10  
 Decoration of the motherland p. 11  
 Pliskunov, V. - Arbitrary complex p. 12  
 Kisel', F. - Expenses are decreased, flying time is increased p. 14  
 Along the "cloud roads" of England p. 16  
 Pokrovskii, G. - A human star p. 17  
 A.A. Leonov answers the periodical "Krylia rodiny." p. 19  
 Petrianov, L. - The start in soaring flight p. 20  
 Kotov, N. - Our suggestions p. 21  
 Lebedinskii, M. - Breath of the finish p. 22  
 Glushko, I. - Modern sports parachutes p. 25  
 Plachenko, P. - Space plans of the American military clique p. 28  
 Readers advise and suggest p. 29  
 Air miscellany p. 29  
 Burdakov, V. - Resonance reciprocating engines p. 30  
 Petrov, A. - In the sky of the Urals p. 31  
 Diplomas of the International Aeronautical Federation for collectives p. 31  
 Table of world aviation records as of January 1, 1965 insert p. 1

REFERATIVNYI ZHURNAL AVIATSIONNYE I RAKET-  
 NYE DVIGATELI (Otdel'nyi vypusk 34) [JOURNAL OF  
 ABSTRACTS: AIRCRAFT AND ROCKET ENGINES  
 (Separate Issue 34)] Issued by Institut nauchnoi  
 informatsii Akademii nauk SSSR [Institute of Scientific  
 Information of the Academy of Sciences of the  
 U.S.S.R.], Moscow, no. 6, June 1965

### c. CHEMICAL TECHNOLOGY

ANALITICHESKII KONTROL' PROIZVODSTVA V AZOT-  
 NOI PROMYSHLENNOSTI [ANALYTICAL PRODUCTION  
 CONTROL IN THE NITROGEN INDUSTRY]. Issued by  
 Gosudarstvennyi Institut prikladnoi khimii  
 [State Institute of Applied Chemistry], Moscow, no. 13,  
 1962.  
 Contents: [Production control of calcium carbide,  
 calcium cyanamide, black cyanide, diacyanamide,  
 melamine, and potassium ferrocyanide] Kontrol'  
 proizvodstva karbida kal'tsia, tsianamida kal'tsia,  
 chernogo tsianplava, diatsianamida, melamina i  
 zhelezistotsianidistogo kal'tsia. 158 p.

FERMENTAIIA I SPIRTOVAIA PROMYSHLENNOST'  
 [FERMENTATION AND DISTILLING INDUSTRY].  
 Organ of Gosudarstvennyi komitet po pishchevoi  
 promyshlennosti pri Gosplane SSSR and Tsentral'noe  
 pravleniye Nauchno-tekhnicheskogo obshchestva  
 pishchevoi promyshlennosti [State Committee for the  
 Food Industry, Attached to the State Planning  
 Committee of the U.S.S.R., and the Central Administration  
 of the Scientific Technological Society of the  
 Food Industry], Moscow, vol. 31, no. 2, 1965.

Table of contents translated:  
 Alcohol, fermentation, liqueur-vodka, beer, soft  
 drinks, and acetone-butyl alcohols during 1965,  
 p. 1.  
 Feniksova, R.V., Shilova, A.A. - Formation of  
 enzymes in the surface culture of *Aspergillus*  
*awamori*. p. 4.  
 Burachevskii, I.I. - Activating the synthesis of  
 amylolytic enzymes by means of the *Aspergillus*  
*usami* 3758-45 fungi. p. 6.  
 Kotov, V.B., Kononov, S.A. - Possibility of direct  
 assimilation of amino acids by yeast. p. 9.  
 Popov, V.I., Valuski, V.I.A. - Design of continuous  
 drum malting kilns. p. 15.  
 Ruditskii, P.V. - Potentials of the efficient utilization  
 of capital assets. p. 18.  
 Komarov, A.F. - Technical and economic comparison  
 of the basic variants of the heat and electric power  
 supply of distilleries. p. 25.  
 Volokhova, N.A., Raev, Z.A. - Norms for the  
 expenditure of chemicals and auxiliary materials  
 in the production of alcohol from molasses. p. 29.  
 Nikitin, G.A. - Fermentation of the secondary molasses  
 stillage by methane forming bacteria for the  
 production of vitamin B<sub>12</sub>. p. 32.  
 Belenko, B.P. - Improving the performance of the  
 S-30 saturator. p. 34.  
 Ternovskii, N.S., Griaznov, V.P. - Experience in  
 the thermal processing of alcohol in the Michurinsk  
 and Lipetsk distilleries. p. 36.  
 Zhabrodskii, A.G., Orlovskii, I.A.K. - Processing of  
 corn in distilleries. p. 41.  
 Vol'fenzon, L.I. - Unification of the terminology of  
 bottle parts. p. 42.  
 Fuershtern, I.A.D. - All-Union Scientific and Technical  
 Conference of the Representatives of the Alcohol,  
 Liqueur-Vodka, Fermentation and Acetone-Butyl  
 Industry. p. 45.  
 Nikola Mikhailovich Kuznetsov, an obituary. p. 47

GAZOVAYA PROMYSHLENNOST' [GAS INDUSTRY]  
 Organ of Gosudarstvennyi proizvodstvennyi komitet  
 po gazovoi promyshlennosti SSSR [State Production  
 Committee for the Gas Industry of the U.S.S.R.] and  
 others. Leningrad, vol. 10, no. 5, 1965

Table of contents translated:  
 Further progress in agriculture and problems of the  
 gas industry. p. 1.  
 Zadov, A.G. - Development of the gas industry of  
 the Northern Caucasus. p. 3.  
 Azhokhin, G.I., and others - Prospecting for gas in  
 the western regions of the Ukraine. p. 6.  
 Dozorisev, R.N., Kukuliev, I.U.M. - Using the data  
 of gas logging in the study of the gas and oil poten-  
 tials of Carboniferous sediments in the Perm Pro-  
 vince portion of the Kama Valley. p. 10.  
 Makogon, I.U.F. - Formation of hydrates in a gas-  
 bearing bed under the conditions of permafrost.  
 p. 14.  
 Tereshchenko, A.V. - Using liquefied gas. p. 16.  
 Shimol'fong, S.A., Varlagin, K.I.U. - Regimes for  
 the consumption of gas by the population and the  
 municipal sector of cities. p. 18.  
 Traianov, G.G., Kobakov, P.V., Koneva, L.F. -  
 Characteristics of the operation of gas-fired heat-  
 ing-furnace burners for the combustion of propane-  
 butane. p. 21.  
 Dorfman, L.I., Kuzhavskii, A.N. - Investigating pre-  
 chamber injection burners. p. 24.  
 Derbenev, V.P. - Regulating the operation of medium-  
 pressure angular injection burners. p. 28.  
 Alipov, N.E., Lapidus, A.S. - Determining the opti-  
 mal heat-engineering characteristics of radiation-  
 convection gas heaters. p. 29.  
 Khritlev, L.S. - Dependence of the power of gas-tur-  
 bine units on the temperature of free air. p. 34.  
 Musaev, R.M., Chernikin, V.I. - Formation of hy-  
 drates in liquefied hydrocarbon gases. p. 36.  
 Petrichenko, N.P., Neparidze, E.Kh. - Possibility  
 of the underground storage of gas in the Dnieper  
 and Black Sea economic regions. p. 41.  
 Surovkin, V.F., Tesner, P.D. - Formation of car-  
 bon black on the breakdown of hydrocarbons in a  
 high-temperature flow of complete-combustion  
 products. p. 44.

Vol. 10, no. 6, 1965.

Table of contents translated:  
 Protozanov, A.K. - Tyumen' is a new unique base for  
 the development of the oil and gas industries of the  
 country. p. 1.  
 Baibakov, N.K., Lapuk, B.B., Trebin, F.A. -  
 Overall solution of the problem of the development  
 of a group of gas-condensate (gas) fields as a unit  
 based on a study of fields in Krasnodar Territory.  
 p. 5.  
 Isaev, A.D. - Centennial of the gas industry of Mos-  
 cow. p. 13.  
 Berezin, M.D. - Centennial of the Moscow gasworks.  
 p. 17.  
 Gerchikov, S.V. - Optimal number of gas-distribution  
 points in the modernization of gas networks.  
 p. 19.  
 Grodskii, I.A.S., Zhdanov, A.A., Sif'mants, I.U.G. -  
 Start-up and adjustment of protective-gas stations.  
 p. 24.  
 Dement'ev, V.M., and others - Flameless burning  
 of gas in a furnace with a fluidized bed. p. 29.  
 Perezhonok, L.S., Pravoverov, K.N., Biriukova,  
 V.I. - Use of gas infrared radiators in the produc-  
 tion of structural parts. p. 32.  
 Knorrin, V.I., Smolnik, A.M. - Remote control of  
 gas pipelines in Central Asia. p. 35.  
 Donets, K.G., Chernikin, V.I. - Disruptions in  
 liquefied gas flow in pipelines. p. 41.  
 Veikovskii, A.S., Stepanova, G.S., Vybornova,  
 I.A.I. - Experimental study of the phase equilib-  
 rium of a ternary mixture of methane with normal  
 hexane and cyclohexane. p. 45.

GIDROLIZNAIA I LESOKHIMICHESKAIA PROMYSHLE-  
 NOST' [HYDROLYSIS AND WOOD CHEMISTRY IN-  
 DUSTRY]. Issued by Gosudarstvennyi komitet po  
 lesnoi, tsellulozno-bumazhnoi, derevoobrabatva-  
 iushchei promyshlennosti i lesnomu khoziaistvu pri  
 Gosplane SSSR and Tsentral'noe pravleniye NTO bu-  
 mazhnoi i derevoobrabatvayushchei promyshlen-  
 nosti [State Committee for the Forest, Woodpulp,  
 Paper, and Woodworking Industries and Forestry,  
 Attached to the State Planning Committee of the  
 U.S.S.R., and the Central Administration of the  
 Scientific Technological Society of the Paper and  
 Woodworking Industries], Moscow, vol. 10, no. 4,  
 1965.

Table of contents translated:  
 Provide for the production of top-grade furfural.  
 p. 1.  
 Gorlaev, M.I., Mirfakhov, Kh.M., Saratkina, V.K. -  
 Obtaining furfural by means of the dehydration of  
 pentose hydrolyzates on a hot surface. p. 3.  
 TSirlin, I.U.A., Iasinskaya, A.A., Ivanova, E.K. -  
 Single-column circuit for continuous vacuum rectifi-  
 cation of crude furfural. p. 4.

Kul'nevich, V.G., Kardalova, K.M., Abramants,  
 S.V. - Oxidative transformations of furfural in  
 furfural-containing vapors. p. 7.  
 Bagayev, A.N., Vozdinskii, I.U.V., Py' yakova, A.M. -  
 Investigating the distillation of wood tar and its  
 products. p. 9.  
 Baranovskaya, L.V., Emel'anova, I.Z. - Quality of  
 ethyl alcohol. p. 12.  
 Papyrin, A.P., Romanovskii, G.G. - Resinous mass  
 as raw material for the production of colophony.  
 p. 13.  
 Peloski, B. - Noncrystalline balsams from pine roots.  
 p. 14.  
 Kalmykova, T.M. - Hydrolysis of lignocellulose ob-  
 tained from pine wood concentrated with sulfuric  
 acid. p. 15.  
 Izumrudova, T.V., and others - Production of "sunlit"  
 in the Andizhan Hydrolysis Plant. p. 16.  
 Duran, I.V. - Production of viscously breaking agents  
 based on soluble beech tar. p. 18.  
 Osipova, E.V., Kuznetsov, N.D. - Recovery of vola-  
 tile products from vapor-gas rector plants. p. 19.  
 Medvala, A.S. - Technological innovations in the  
 Leningrad Hydrolysis Plant. p. 22.  
 Matishov, V.A. - Improved ventilation system in hy-  
 drolysis plants. p. 24.  
 Kozlov, A.I. - Improving the gross production struc-  
 ture in the hydrolysis industry. p. 26.  
 Kulomzin, I.U.M. - Ways to reduce the cost of produc-  
 tion in turpentine. p. 26.  
 Poliakov, A.E. - Fourth Plenum of the Central Admini-  
 stration of the Scientific and Technical Society. p. 29.  
 Davydova, T.S. - Results of the Third All-Union Pub-  
 lic Inspection Program (conducted in 1964). p. 29.  
 In the section of hydrolysis and wood chemicals indus-  
 tries. p. 30.  
 Iakovlev, G.V. - Seminar on turpentine. p. 31.

KHIMICHESKAIA PROMYSHLENNOST' [CHEMICAL IN-  
 DUSTRIES]. Organ of Gosudarstvennyi komitet khim-  
 icheskoi i neftegnoi promyshlennosti pri Gosplane  
 SSSR [State Committee for the Chemical and Petro-  
 leum Industry, Attached to the State Planning  
 Committee of the U.S.S.R.], Moscow, vol. 41, no. 5,  
 May 1965.

Table of contents translated:  
 Ninth Mendeleev Congress. p. 321.  
 Meniallo, A.T., and others - Production of primary  
 higher fatty alcohols from ethylene. p. 323.  
 Vol'-Epstein, A.D., and others - Obtaining benzene  
 by the hydrogenation of the products of fuel pyrolysis.  
 p. 326.  
 Tomlov, A.P., and others - Electrochemical syn-  
 thesis of hexamethylenediamine and amino capri-  
 nitrile. p. 329.  
 Kozlov, V.V. - Effect of ammonia additives on the  
 alkali fusion of the salts of aromatic sulfonic acids.  
 p. 333.  
 Aksenov, V.N., and others - Studying the cataly-  
 tic activity of the cobalt salts of aliphatic monocarbox-  
 acids in the oxidation of p-xylene. p. 336.  
 Zalkin, A.A., Kocholov, V.L., Stropkichev, I.I.A. -  
 Some physical and physicochemical constants of m-  
 and p-chloraniline and m- and p-chlorophenylisocya-  
 nates. p. 336.  
 Ljudkovskii, M.A., Fridman, S.D., Klovko, V.A. -  
 Removal of carbon dioxide from gases by means of  
 a "hot" potash solution. p. 339.  
 Khasanova, N.E., Lennovskaya, L.S. - Volumetric  
 relationship in the system nitrogen - carbon  
 dioxide. p. 344.  
 Matfaki, F.A., and others - Determining the tech-  
 nological parameters of injection mixers for  
 deep thermal chlorination of methane. p. 347.  
 Volkov, V.L., Syrlin, V.G. - Thermodynamic  
 analysis and chemical diagram of the decomposition  
 process of iron pentacarbonyl. p. 352.  
 Matrova, I.U.Sh., Boskov, V.B. - Design of a contact  
 apparatus with internal heat exchange as the object of  
 automatic regulation. p. 357.  
 Zol'vinskii, I.A.D., and others - Optimum pressure  
 in rectification. p. 362.  
 Barlasov, B.Z., Bolkin, L.A., Pin, L.M. - Calculat-  
 ing the tuning parameters of the system for the  
 automatic control of alcohol evaporation. p. 366.  
 Kuzin, V.P. - Automation of the technological process  
 of the synthesis of higher alcohols. p. 369.  
 Sotskov, I.A. - Efficiency promoters and inventors  
 strive for technological progress. p. 374.  
 Kononov, A.P., Filippov, V.A. - Some problems  
 in the organization of business accounting in work-  
 shops. p. 376.  
 Kulev, E.A., and others - Thermal decontamination  
 of the wastes of chemical industries with consecu-  
 tive utilization of the waste heat. p. 380.  
 Sarancha, E.T., Abrosimova, A.M., Andreeva, I.V. -  
 Production of concentrated liquid ammoniacal salts  
 of carbon dioxide based on ammonium carbonate  
 and urea. p. 383.  
 Krasnosel'skii, V.N., and others - Conductometric  
 analysis method for the control of alkali melling of  
 the salts of aromatic sulfonic acids. p. 384.  
 Kozlov, V.N., Troshina, P.V. - Use of molite for the  
 manufacture of hydrolyzers for the production of  
 alcohols by means of sulfuric acid hydration. p. 386.

Nefedov, G.A., Malinovskaya, T.A. - Continuous measurement of the volume of filtrates during filtration. p.387.  
News review. p.389.

# KHIMICHESKIE VOLOKNA [SYNTHETIC FIBERS].

Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 2, 1965.

Table of contents translated

Kirsanova, G.A., Ivanova, E.P. - World production of synthetic fibers in 1963 p.1.  
Vinogradov, G.V., and others - Rheological properties of polypropylene p.7.  
Fikhtman, V.D., Alekseeva, V.M., Pakshver, A.B. - Effect of heat treatment on the properties of polyvinyl chloride fibers. p.12.  
Dmitrieva, T.S., Korzhagina, E.P., Glikman, S.A. - Effect of some factors on the structure of polyvinyl alcohol solutions. p.15.  
Rabinovich, V.I., Perepelkin, K.E. - Effect of the magnitude of spin-stretching on the physicochemical properties of "vinol" fibers p.18.  
Dobrosardov, L.L., Il'ina, V.P., Lyssenko, K.D. - Regeneration of formaldehyde in the production of "vinol" fibers. p.22.  
Sigal, M.B., Shabiygin, M.V., Varshavskii, V.A. - Use of the infrared spectroscopy method for studying "polifen" fibers p.25.  
Smolnikova, L.G., Konkina, A.A. - Mechanical properties of capron fibers cross-linked with bi-functional compounds. p.28.  
Lashunskaya, A.G., Kononova, E.M., Belasheva, T.P. - Simplified method for determining the degree of polymerization of alkali cellulose p.31.  
Veldeman, E.B., Meos, A.I. - Formation of sulfides in the reaction of carbon disulfide with the bases. p.34.  
Grishchenko, A.Z., and others. - Automatic control of moisture in tunnel dryers for synthetic fibers. p.37.  
Grishchenko, A.Z., Bondarenko, G.L. - Dynamics of the regulation of the processes in the preparation of solutions in viscose production. p.39.  
Mironova, L.V., Perepelkin, L.P. - Determining the density of triacetate fibers. p.43.  
Nosev, M.P. - Stretching of synthetic filaments during the drafting process. p.45.  
Effer, I.Z., Fainberg, E.Z., Mikhailov, N.V. - Effect of the orientation of molecular chains on the dielectric anisotropy of fibers. p.48.  
Faerman, V.T. - Role of the plasticizer in fiber destruction under the action of ultrasonic vibrations. p.51.  
Petruseva, A.I., Kozlova, A.N., Berestnev, V.A. - Studying the deformation of viscose fibers. p.54.  
Pakshver, A.B., Ginzberg, M.A., Virezub, A.I. - Determining air content of viscose. p.57.  
Dalkidin, M.A., and others. - New method for the control of the impurity of spinnerets. p.58.  
Gurdzhi, E.S., and others. - The "PPK-1" preparation for the formation of nylon fibers. p.60.  
Chudakova, N.I., Nikitina, A.M., Kharitonova, G.N. - Loose nylon dyeing. p.61.  
Dmitrieva, L.A., Trofimov, F.A. - Quantitative determining of the oil content of nylon fibers. p.62.  
Zaostrovskaya, V.A., Gotman, A.I. - High-speed KE-1-200-I double-deck twister. p.64.  
Andreava, K. - Copy the work practices of the twister operator. p.65.  
Popovich, L.N., Ozernikova, B.I. - Increasing the weight of the take-up package. p.66.  
Maltukha, L.S. - Socialist competition and incentive methods. p.68.  
Terminology. p.73.  
Volokhina, A.B., Korotkaya, A.I. - Twenty-fifth conference on macromolecular compounds. p.75.  
News review. p.76.  
In memory of V.S. Smurov. p.78.

# KHIMICHNA PROMYSLOVIST' [CHEMICAL INDUSTRIES].

Issued by Institut tekhnicheskoi informatsii Derzhavnoho komitetu Rady Ministriv URSR po koordinatsii naukovodostilnykh roblit and Ukraini ke respublikansk'e pravlinnia Vsesoluznoho khimichnoho tovarystva Im. D.I. Mendeleeva [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Republic Administration of the D.I. Mendeleev All-Union Chemical Society], Kiev, no.2(22), Apr.-June 1965.

Table of contents translated:

Improve the quality of the products of chemical industries. p.3.  
Maritch, L.I. - Obtaining high-purity grades of benzene. p.6.

Kaurkova, H.K., and others. - Using the method of photochemical cross-linking in the presence of sulfur monochloride to increase the resistance to heat of polyethylene. p.8.

Zukhov, I.D., Dostman, E.M. - Application of ultrasonic waves in the study of the mechanical properties of glass textolite p.9.  
Ar'lev, A.M., and others. - Increasing the mechanical strength of polycaprolactam during the thermal processing. p.10.

Kolesnyk, N.A., and others. - Resistance of various plastics to aggressive media. p.11.

Tolopko, D.K., and others. - Using the continuous method for the production of acryl chloride p.14.  
Sulyan, I.M., Tolopko, D.K. - Obtaining acrolein by means of catalytic oxidation of allyl alcohol. p.16.

Makarov, I.A., Prazhennyk, I.U.G., Stezhens'kiy, A.I. - Nomograms for determining the parameters of high-temperature conversion of methane with hydrogen under pressure p.18.  
Hutyria, V.S., and others. - Separation of aromatic hydrocarbons from kerosene-gas oil fractions p.20.

Makhorin, K.I.E., Hlukhomanuk, A.M. - Production of activated carbon from anthracite in fluidized bed ovens. p.22.  
Tymoshenko, V.V., Ovchinnikova, I.E. - Obtaining dehydrated calcium chloride from the waste liquors of soda production. p.25.

Hladushko, V.I. - Nomogram and equation for determining the elasticity of nitrogen oxide over industrial nitroses p.26.  
Mahnun, R.L., and others. - Extraction of germanium from hydrochloric acid solutions by means of organic solvents p.29.

Likh, O.O. - Calculating the specific heat capacity of industrial glass. p.30.  
Sabitrova, H.V., and others. - Improving the quality of the Lvov petroleum growth promoting substances p.32.

Batiuk, V.P., and others. - Use of fattyacrylic acid salts as physiologically active substances. p.34.  
Sevast'yanova, V.V., Tkach, L.A. - Efficiency of the use of urea. p.34.

Ermakov, I.S. - Ways to secure the supply of chemical industries with heat exchanging apparatus. p.36.  
Kremlov, O.A., Borova'kiy, V.R., - Intensification of heat exchange in the chemical technology p.38.

Losievskiy, K.D. - Heating chambers for acid aggressive media with pipes made from ATM-1 graphite plastics p.39.  
Lashchenko'skiy, A.R., Kovalenko, L.M., Tovazhniants'kiy, L.I., - Studying the heat transfer in vapor condensation in the channels of plate heat exchangers p.40.

Kremeniev, O.A., Zozulia, N.V. - Investigating corrugated heat exchanging surfaces. p.42.  
Tamarin, V.M. - Standardization of shell-and-tube heat exchangers. p.42.

Lukhanchikov, A.S. - Studying the thermal and technical characteristics of evaporation apparatus with immersed heaters. p.43.  
Morozov, I.U.I. - Experimental study of heat exchangers in a "falling arresting bed" type two-phase counter-flow flux. p.45.

Pavlyuk, S.K., Serdiuk, I.V. - Preventing cold cracks in industrial apparatus made from VT-1 alloys p.48.  
Mamon, L.I., and others. - Dynamics of the work of type ZG-93-10/220 high-pressure piston compressors. p.51.

Mamon, L.I., Lokshin, M.A., Tatalin, B.F. - New type of packings for the rotor necks of high-pressure rubber compound mixers. p.52.  
Annenkov, V.A., Sarana, G.V. - Using wood as packing for the telescopic pipes of forming vulcanizers. p.53.

Vorontsov, E.H., Chornobyl'skiy, I.I. - Minimum spraying density of film apparatus. p.54.  
Zanemoneis, V.F., and others. - Ceramic grates made from bonded refractory granules for fluidized bed chemical reactors p.55.

Stezhens'kiy, A.I., Prazhennyk, I.U.II. - Unit for the catalytic conversion of natural gas with air without a preheating of initial products. p.57.  
Koliakov, M.I. - Unit for water stabilization by means of exhaust gases. p.58.

Fridman, O.A., and others. - Large machinery parts made from glass plastics. p.60.  
Inventions and improvements: certificates of inventions. p.62.

Zarichnyi, V.F., Balashov, I.I., Manokha, I.I.E. - Device for registering the approximate electric power consumption by industrial electrolyzers. p.65.  
Demchenko, L.H., Kazdobina, H.A., Moskalenko, V.H. - Oxidation of nitrogen oxide to nitrogen dioxide for automatic gas analyzers. p.68.

Ioffe, A.I., Uvers'kiy, A.A. - Automatic control of the ammoniation process in the production of combined fertilizers. p.68.

Bukhanivskiy, I.E.B., Stral'tsov, A.A. - Laws of parameter distribution in the technological processes of the joint conversion of methane and hydrocarbon oxide. p.70.

Kolotylo, D.M., Mischko, V.I. - Determining the heat resistance of polymers and hydrocarbon formations by means of the differential-thermal analysis method. p.73.

Turchyna, E.L., Fridman, K.I. - Determining copper content of metallic zinc, cadmium and lead-tin solders by means of 2,2'-bichloronitric acid. p.74.

Turchyna, E.L., Fridman, K.I. - Qualitative luminescent analysis method for determining zinc. p.75.  
Shevchenko, D.I. - Operation of spiral heat exchangers in the sulfuric acid plants of the Vinnitsa Chemical Combine p.76.

Dmitrenko, H.S., Lanherman, I.U.U. - Remodeled densitometer for hot disodium phosphate solutions p.77.

Shklov, B.A. - Thermographic unit with simultaneous recording of the pressure of the system. p.78.  
Kulakov, O.I., Dmitrenko, H.S. - Automatic control of the SO<sub>2</sub> content of gas by its temperature. p.80.

Hrushkovskiy, V.I. - Induction heat dryer for the drying of rubber compound ingredients. p.80.  
Vekaler, M.D. - Accumulation of hydrocarbons as the cause of explosions in air separators. p.81.

KHIMIA I TEKHNOLOGIA POLIMEROV; sbornik periodov i obzorov iz oblasti periodicheskoi literatury [THE CHEMISTRY AND TECHNOLOGY OF POLYMERS; Translations and Surveys from Foreign Periodical Literature]. Moscow, vol.9, nos.5-6, 1965.

KHOLODIL'NAIA TEKHNIKA [REFRIGERATION ENGINEERING]. Issued by Vsesoluznyi nauchno-issledovatel'skii institut kholodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry]. Moscow, vol.42, no.1, Jan.-Feb.1965.

Table of contents translated:

Pavlov, R.V. - Refrigerating machinery industry at the service of the industrial chemistry. p.1.  
Lopatin, L.V., Kotsman, M.I. - Use of refrigeration in the production of synthetic rubber. p.5.

Gurevich, E.S., and others. - Large compressors with opposite arrangement of cylinders for the chemical and petroleum processing industries. p.6.  
Bukhter, E.Z., and others. - Results of the testing Freon turbocompressor refrigerating machinery. p.13.

Mel'nikov, A.I.A. - Freon compressors manufactured by the Melitopol Refrigerating Machinery Plant. p.19.

Minkus, B.A., Barenboim, A.B., Vasil'isov, E.V. - Hermetically encased labyrinth pump for refrigerants. p.23.

Naor, V.A., Tomashevich, M.N. - Thermoelectric batteries with lowered height thermocouples. p.27.  
Gogolin, A.A. - Optimum flow rate of freon in the evaporator tubes. p.29.

Mel'nikhenko, L.G., and others. - Use of electron computers in the development of the design of series arrangement double-pipe condensers. p.34.  
Lasker, I.A.N. - Determining the needed amount of Freon for charging brine-cooler system single-evaporator refrigerating plants. p.39.

Golovkin, M.A., and others. - Application of the electric conductivity method for studying the processes occurring in apples during refrigerated storage. p.39.

Lur'e, M.E. - Piping systems in refrigerating machinery. p.44.  
Borisovich, T.M. - Improved work organization in the Minsk Cold Storage Warehouse No.1. p.47.

Sokolov, V.M. - Work of efficiency promoters in the Severodvinsk Cold Storage Warehouse. p.47.  
Rakhlina, V.A., Alekseev, V.I. - Automatic start of the "Amur" machine. p.48.

Iakobson, V.B. - Testing methods of small Freon refrigerator compressors. p.40.  
Scientific and Technical Symposium at the Exhibition of Achievements of the National Economy on "The new design of refrigerating machinery." p.61.

Zhukharov, M.V. - Concentrate the main attention on the refrigeration technology. p.61.  
Brailovskiy, A.V., Dokukin, P.M. - New cold storage warehouse in Kazan. p.62.

Skrivan, V. - Compressors and units of the refrigerating equipment manufactured in Czechoslovakia. p.63.  
Iakobson, E.V. - Nomogram for determining the basic parameters of piston compressors without crosshead. p.75.

Bady'kes, I.S. - The 1, lgP diagram of the azeotropic mixture of Freon 22 and Freon 115. p.77.



KONSERVIRANI I OVOSHCHESUSHIL'NAYA PROMYSHLENNOST' [THE CANNING AND DEHYDRATED VEGETABLE INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevym promyshlennosti pri Gosplane SSSR i Tsentral'noe pravleniye Nauchno-Tekhnicheskogo obshchestva pishchevogo promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry], Moscow, vol. 20, no. 3, Mar. 1965.

Table of contents translated:  
Kochetova, L. T. - Improve the assortment and quality of natural canned vegetables. p. 1.  
Nizharadze, N., Kotidi, E. P. - New developments in the production of cherry plum preserves. p. 5.  
Bashchenko, E. S., Moroz, L. A. - New types of canned food. p. 6.  
Kagan, I. S., Dubitskaya, V. M., Leichenko, L. I. - Canned food for distribution through vending machines. p. 7.  
Babicheva, O. I., Krokshina, N. F. - Nutritive value of dietetic powdered cereals. p. 11.  
Flaumenbaum, B. L. - Selecting the initial temperature of the product and the level of can filling for high-temperature sterilization of canned food. p. 12.  
Aizenberg, V. I., Tishchenko, M. D. - Improving the quality of sulfured intermediate products. p. 14.  
Gorovov, N. V. - Making use of the male sterility in the breeding of hybrid sweet corn. p. 19.  
Matveenko, G. S., Kiyatkin, N. G. - Potato storage in thick layers under conditions of active ventilation. p. 22.  
Rodionov, M. S., and others. - Concentration and specialization of farms in fruit and vegetable growing. p. 25.  
Grzhlova, V. S., Berkh, M. S. - Polarographic method for determining iron content of canned food. p. 30.  
Soboleva, M. I. - Use of polymer films for packaging and storage of jam and fruit pastes. p. 32.  
Ovcharova, T. P. - Discussion on the use of antibiotics and preservatives in the food industry. p. 41.  
Danilov, A. N. - Seminar on the improvement of the quality of potato crackers. p. 43.

Vol 20, no. 6, June 1965

Table of contents translated:  
Make better use of raw materials. p. 1.  
Pugachev, V. A., Belov, I. U. S. - Machine for marking tin can covers with paint. p. 4.  
Markarian, Z. M., Lisovskii, P. A. - Drum type washing machine. p. 8.  
Lisovskii, P. A. - Mechanization of storage operations. p. 9.  
Artem'ev, D. V., and others. - Packing of soluble coffee. p. 10.  
Moldavskii, G. E., Kukushkina, T. I. - New method for the adjustment and control of tin can sealing mechanisms and technological sealing machines. p. 12.  
Voronov, T. F. - Our method for growing tomatoes. p. 14.  
Patron, P. I. - Expand the production of valuable raw materials. p. 17.  
Gandel'man, Sh. B., Gradshteyn, I. A. S. - Methodology for calculating the cost of production of canned food. p. 20.  
Nikolaeva, S. A., Mazukhina, N. N. - Prevention and control of Cl. perfringens in the production of canned cucumbers. p. 24.  
Mosseeva, N. A., Ovcharova, T. P. - Effect of some chemical compounds on the microflora of food products. p. 28.  
Liubavina, A. I., Kabanova, N. N. - Simplified method for determining moisture in dried vegetables. p. 31.  
Shapiro, D. K. - Use of polymeric film materials in storing fruit and vegetables. p. 43.  
Ivantsov, I. I. - All-Union conference on the new methods of storage and transportation of potato, vegetables and cucurbitaceous cultures. p. 45.  
Popov, O. A. - At the expanded session for the degustation of food dried by sublimation. p. 47.

MEKHANIKA POLIMEROV [MECHANICS OF POLYMERS]. Issued by Akademiya nauk Latvijas SSR [Academy of Sciences of the Latvian S.S.R.], Riga, no. 3, 1965

\* PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R.], Moscow, no. 3, 1965.

Table of contents translated:  
Korotki, I. M., Levin, A. M., Sheryshev, A. A. - Equipment for manufacturing plastics products. p. 1.  
Kotlar, I. B., Mukhina, I. A. - Emulsion polymerization of vinyl chloride in the presence of latex previously introduced in the system. p. 4.

Lipatova, T. E. - Catalytic polymerization of unsaturated polyesters. Carbonium polymerization of polyester maleate. p. 6.  
Korolev, G. V., Al'ter, I. U. M., Zhil'tsova, L. A. - Dependence of the block polymerization rate of certain polyester acrylates on the concentration of the initiating agent and temperature. p. 9.  
Kochetkov, V. N., and others. - Studies in the field of the stabilization of polyamide films. p. 12.  
Kleshcheynikova, S. I., Dobrovolskaya, G. A., Rumiantseva, E. I. - Reaction of triethoxysilane with ethyl alcohol. p. 14.  
Nadzhafov, I. U. B., Shaurov, I. U. Kh. - Determination of the heat of formation of some derivatives of ethoxysilane series. p. 18.  
Sokolov, A. D., Kanavets, I. T. - Determination of the rheological properties and molding parameters of thermosetting plastics under injection molding conditions. p. 18.  
Shorokhova, V. I., Kuz'min, L. L. - Certain properties of electroconductive plastics with a base of polystyrene and nickel flake. p. 23.  
Koval'chuk, L. M., Baskakin, E. N. - Using high frequency heating in cementing glass reinforced plastics. p. 25.  
Tarakanov, O. G., Demina, A. I. - Causes determining the paste forming properties of polyvinyl chloride resins. p. 28.  
Akhutin, M. S., Rodilyova, L. A., Zinin, E. F. - Study of the structural and mechanical properties of plasticized polyacrylate D 4 type films and possibilities of their orientation. p. 32.  
Ganz, S. N., Parkhomenko, V. D. - Shrinkage of filled fluoroplast 4. p. 36.  
Romanenkov, I. G., Abashidze, G. S. - Effect of acid concentration on the strength of glass reinforced plastics. p. 38.  
Grabol, I. P., Lenskaya, L. P., Chudnovskii, I. R. - Determination of the heat conduction coefficient of graphite plastics with an epoxy resin base. p. 41.  
Ermolina, A. V., and others. - Microscopic and X-ray diffraction study of the structure of polycarbonates, in a block. p. 43.  
Panov, P. - Study of the moduli of elasticity of polyvinyl chloride, polyethylene, and teflonite in bending and twisting. p. 46.  
Kim, V. S., Levin, A. N. - Studying the anisotropy of the mechanical properties of plates made from thermoplastic resins during extrusion. p. 48.  
Shtorenzon, A. L., Slavnitsa, I. I. - Coating of parts in a fluidized bed with trifluorochloroethylene. p. 53.  
Gosteva, O. K., Lihina, S. L., Rikina, E. G. - Synthesis of 3,4-epoxy-2,6-endomethylene-1,2,5,6-tetrahydrobenzyl-ether of 3,4-epoxy-2,6-endomethylene-1,2,5,6-tetrahydrobenzyl acid. p. 55.  
Valgin, V. D., Vasil'eva, E. V., Sergeeva, V. A. - Using chloroform anhydride for the hardening of epoxy resins as exemplified in the manufacture of foam plastics. p. 57.  
Shirayeva, G. V., Kurilenko, A. I., Karpov, V. L. - Determination of the adhesion of resins to organic fibers with 10 to 40 microns in diameter. p. 59.  
Forostlan, I. U. N., and others. - Ambazine as curing agent for epoxy resins. p. 60.  
Patursoy, V. V. - The VP-3 viscosimeter for the determination of arbitrary viscosity. p. 63.  
Toder, I. A., and others. - Using bearing bushings with a thin layer of polyamide coatings in rolling mill mechanisms. p. 64.  
New standards for plastics. p. 70.

No. 4, 1965

Table of contents translated:  
Kocherov, N. P., Fedorenko, N. P., Markosova, N. M. - Economics of the production of impact resistant polystyrene plastics. p. 1.  
Shalaeva, L. F., and others. - Polydispersion and structure of medium-pressure polyethylene. p. 5.  
Shalkhan, F. A. - Optimum temperature conditions for oxygen-induced polymerization of ethylene. p. 10.  
Kafengauz, I. M., Samigulin, F. K., Kafengauz, A. P. - Study of the reactions of hydroxyl-containing oligomers of propylene oxide with phosphorus acid esters. p. 13.  
Kabalvanov, V., Alaminov, Kh. - Mechanism of the press curing of cyanuric phenol formaldehyde compression molding materials. p. 15.  
Levitskaya, O. M., and others. - Effect of certain factors on the baking of unsaturated polyester resins. p. 18.  
Kleshcheynikova, S. I., Dobrovolskaya, G. A., Rumiantseva, E. I. - Study of the reaction of triethoxysilane with hydrogen chloride. p. 21.  
Nikitenkov, V. E., Prokova, A. G. - Polyester phenylenesiloxane compounds. p. 24.  
Mamedov, R. I., Kanavets, I. F. - Conditions of feed maintenance in pressure casting of thick-walled products made from thermoplastics. p. 27.  
Vol'skii, E. V. - Increased stability of the physico-mechanical indices of plastics at low temperature baking. p. 32.

Godilo, P. V., Romanenkov, I. G. - Determination of the overpressure developed by foam polyacrylate during molding. p. 34.  
Melikova, N. A., and others. - Effect of aging and surface treatment on the weldability of polyethylene films. p. 36.  
Frenkel', M. D., Ratner, S. B. - Study of the brittleness temperature of phthalates. p. 39.  
Golosova, L. V. - Mechanisms of the reaction between polyvinyl alcohol and organometallic compounds. p. 44.  
Gul', V. E., Shenfil', L. V., Melnikova, G. K. - Formation of conducting structures in polymer material under the action of a magnetic field. p. 46.  
Borisov, B. I. - Quantitative evaluation of the protective action of polymers against vacuum aggressive liquids. p. 50.  
Afanas'ev, A. M., and others. - X-ray diffraction examination of polyamide films cast from benzene solutions. p. 52.  
Berlin, A. A., D'lonkova, V. P., Tikhomirova, E. I. - Polyester acrylate emulsions as binders for cellulose fiber materials. p. 55.  
Shmagina, N. N., Moskin, P. A. - Production of ethyl ether of 6-cyanomethyl-2-furan carboxylic acid and its saponification. p. 58.  
Rubtsova, I. K., Kirilovich, V. I. - Synthesis of the ethers of  $\alpha$ -hydroxy  $\alpha$ -furylphosphonic acid. p. 59.  
Zalkind, G. I., and others. - Quantitative analysis of low-molecular divinyl polymers and divinyl ethers by means of infrared absorption spectra. p. 64.  
Krosnikov, A. P., Bork, V. A., Aparchikova, K. I. - Quantitative determination of double bonds in organosilicon compounds containing silicon hydride groups. p. 63.  
Ivanova, N. T., Palamarchuk, N. A., Slavich, A. V. - Gas chromatographic determination of impurities in methyl chloride. p. 65.  
Kuz'min, S. V., and others. - Use of the method of electroconductivity measurement for studying the kinetics of the block polymerization of styrene. p. 67.  
Smushkovich, B. L., Vinogradov, B. I. - Machine for fatigue test of plastics. p. 70.  
Davydov, A. B., Ivanova, Z. G. - Ways of reducing the hardening temperature of heat resistant organosilicon glasses. p. 72.  
Sidorov, V. A. - Rapid method for determining the volumetric weight of elastic polyurethane foams. p. 74.  
Zinovich, A. M., Shugub-Lavrenko, A. A., Pavlov, V. G. - Some properties of the surface of polyethylene coatings produced in an electric field. p. 77.  
Nikolaev, A. F., and others. - Proportion of hardened and unhardened epoxy novolac compositions. p. 79.  
Butnikov, A. A., and others. - Conference of the readers of the periodical Plasticheskie massy. p. 79.  
New standards for plastics. p. 70.

No. 5, 1965

Table of contents translated:  
Livahts, I. U. T. - Interchangeability of some polymeric materials. p. 1.  
Bessonov, A. I., and others. - Unit for radiation gas-phase graft polymerization. p. 2.  
Kovarskaya, B. M., and others. - Thermooxidative degradation of unsaturated polyesters. p. 5.  
Shorygina, N. V., Zhilina, N. V. - Study of cyclic acetals. Phenolysis of polyvinyl butyrate. p. 8.  
Konovlovskii, I. D., Nosolent, I. G. - Temperature relationship of the electric strength of unsaturated polyester resins and glass reinforced plastics based on them. p. 10.  
Orlov, V. A., Tarakanov, O. G. - Study of the thermal degradation of polyurethane from isocyanate and cyanate and ethylene glycol. p. 12.  
Morgunova, M. M., Zhilkin, D. I. A. - Effect of the catalyst on the rate of transamination on polyalkyl cyclohexanones with aliphatic diamines. p. 14.  
Efiseva, L. E., and others. - Kinetics of the disproportionation of triethoxysilane. p. 18.  
Zhilgach, A. F., and others. - New organosilicon polymers. p. 20.  
Lapshin, V. V., and others. - Effect of the degree of branching of high density polyethylene on the mechanical properties of tubes produced by extrusion. p. 22.  
Butalov, G. A. - Spray guns for foam plastics and calculation of the basic parameters of air-liquid jets. p. 27.  
Molokanov, I. U. K., Chaplygina, E. K. - Purification of triphenyl chlorosilane by zone recrystallization. p. 32.  
Olonev, D. A., Sagalov, G. V. - Conditions of the formation of the shape of polypropylene granules. p. 34.  
Burmova, E. N., Kutsenko, A. I., Monikhin, P. A. - Synthesis and study of dialkyl lactates of 4,5-epoxyhexahydrophthalates. p. 36.

- Ogaev, P. P. - Effect of thermal aging on the operational properties of plastics. p. 41.
- Kutlanin, G. I., Urudzhiev, R. S. - Study of the thermal stability of polymer films. p. 44.
- Ermilova, G. A., and others. - Effectiveness of some stabilizers in the extrusion of polypropylene films and their aging. p. 46.
- Gul', V. E., Maizor', N. S. - Effect of the spatial structure of electroconducting polymer materials on their electroconductivity. p. 49.
- Shalurov, M. A., Myasnikova, L. G., Belonogova, I. I. - Effect of the degree of crosslinking of anion exchangers on their thermal stability. p. 54.
- Masiennikov, A. S., Poryvaeva, G. N. - Determination of furalin in the production of FA polymer. p. 56.
- Zelenina, E. N., Kalina, L. S., Liebomilov, V. I. - Sulfite method for the quantitative determination of bioxane in aliphatic solvents. p. 57.
- Frolova, M. I. - Determination of the resistance to crazing of plexiglas in solvents. p. 58.
- Kanavets, I. F., Iartsev, B. M. - Evaluation of the resistance to frost of polymer materials. p. 61.
- Moshinski, L. I. A. - Effect of nitric acid vapors on plastics. p. 64.
- Kronman, A. G., Fedoseev, B. I., Ivanovskii, D. M. - Use of mixtures of protective colloids for regulating the granulometric composition vinyl chloride copolymers. p. 68.
- Sidorov, V. A., Rogov, V. M. - Study of the applicability of polyurethane resins for the production of porous film materials. p. 70.
- Shalokhova, A. B., Tolstala, S. N., Feldin, A. S. - Effect of the adsorption modification of fillers on the strength properties of polymeric compositions. p. 72.
- REFERATIVNYI ZhURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE** (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos 5-6, May-June 1965.
- SAKHARNAYA PROMYSHLENNOST' [SUGAR INDUSTRY]** Organ of Gosudarstvennyi komitet po planchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva planchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 39, no. 4, Apr. 1965.
- Table of contents translated:
- For the technical progress in sugar manufacture. p. 1.
- Bador, G. D., Plushko, B. E. - Achievements of the Zolotchev sugar factory. p. 1.
- Lube, V. M., and others. - Ultrasonic method for the control of the basic technological processes in beet-sugar manufacture. p. 8.
- Novitskaya, I. B. - Determining the rate of the fluidization start in dry granulated sugar. p. 12.
- Iarmilko, V. G., Vailov, V. I. A., Koval', E. T. - Continuous KDA-25-59 tower type diffuser. p. 16.
- Katana, A. I. - Multistage system for juice purification. p. 21.
- Litvinov, E. V., Mar'ianchik, V. L. - Control filtration of the first carbonation juice. p. 23.
- Vaschenko, S. I. - Work of the Alma Ata Sugar Factory during the production season 1964-1965 without scale buildup in evaporators. p. 30.
- Kichigin, N. M., Novikov, V. A. - From the experience of automobile train unloading on the side dumping platforms of pillars. p. 31.
- Shigin, E. K., Kaz'min, P. M. - Criteria of the optimum control systems of automated sugar factories. p. 34.
- Antonovich, A. L. - Measurement of the expenditure of milk of lime. p. 39.
- Gleizer, I. F., Khasilev, E. S. - Automatic system for the protection of the thrust bearing of turbogenerators. p. 41.
- Khvalkovskii, T. P. - Effect of cation exchange on the changes in sugar losses of molasses. p. 46.
- Pas'ko, I. P. - Efficiency promoters of the "K. Litk-nekht" Sugar Combine. p. 49.
- Radehonko, V. A. - Processing of sugar beet tails in the Krasnaya Sugar Factory. p. 50.
- Gorbunin, I. I. A. - Useful proposals. p. 52.
- Chekmarev, N. D. - Ways to improve the potato processing enterprises of the Orlov Province. p. 54.
- Khyrovova, L. S., Tregubov, N. N. - Effect of crystal content on the viscosity of glucose massacule. p. 56.
- Birgova, I. U. G., Kuz'menkov, L. N., Kondratenko, M. I. - Experimental system for the automatic control of evaporating equipment in a molasses factory. p. 60.
- Eplshin, A., Fedorov, G. - Development of the sugar industry during the period from 1960 to 1970. p. 71.
- Special agency for the adjustment and start of industrial equipment. p. 75.
- Fourth All-Union Public Inspection of the Fulfillment of the Plans of Scientific and Technical Research Work and of the Application of the Achievement of Science and Technology in the National Economy. p. 76.
- Vol. 39, no. 5, May 1965.
- Table of contents translated:
- The upswing of agriculture is a nation-wide task. p. 1.
- Pustil'nik, I. M., Strutynskii, E. A. - High quality maintenance and repair is the prerequisite of successful work during the production season. p. 7.
- Zdanovich, I. L., Alekseenko, F. P. - Use of granular activated carbon with magnesite additives for sirup purification in sugar refineries. p. 11.
- Zambrovskii, V. A. - Results of the testing of ceramic filters. p. 15.
- Selitskii, V. A. - Performance of continuous diffusers in the sugar factories of the R. S. F. S. R. p. 20.
- Sotogub, N. A. - Wear of metals in saturation juices. p. 25.
- Maksimov, P. S. - Method of blow-down of defecation-saturation boilers. p. 27.
- Rybakina, M. I. - Balancing of equipment parts in sugar factories. p. 31.
- Savchuk, K. N. - Remodeling of DKV-6, 5/18-350 astatom steam boilers. p. 33.
- Gromkovskii, A. I. - Continuous measurement of the viscosity of intermediate products in sugar manufacture. p. 40.
- Arkhipovich, N. A., Zelenina, L. M. - Chromatographic and polarographic method of analysis of a mixture of sugars. p. 46.
- Kata, B. I., Shetnerman, D. E. - Quality control of the work of a factory by the crystallization of the massacule of the last product. p. 49.
- Tret'akov, V. N. - Labor productivity accounting in sugar factories. p. 51.
- Drobatenko, A. P., Kata, M. L. - More about the collective wage system of workers in sugar factories during the production season. p. 53.
- Donets, V. I. A. - Results of experiments in sugar beet growing from Janosh-3 seed variety. p. 55.
- Bobylov, A. M. - Electric power supply for sugar beet storage fields. p. 58.
- Ladur, T. A. - Acid hydrolysis of diluted starch suspensions in the production of crystalline glucose. p. 59.
- Tregubov, N. N. - New technology for the production of raw cornstarch. p. 61.
- Lishanin, P. E. - Selecting woven screens for the various system of potato starch production. p. 66.
- Prikhod'ko, I. A. - Thirty-first scientific conference of the Klov Technological Institute of the Food Industry; work of the section of the technology for the processing of sugary products. p. 75.
- \*STEKLO I KERAMIKA [GLASS AND CERAMICS]**. Issued by Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroo SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.], Moscow, vol. 22, no. 6, June 1965.
- Table of contents translated:
- Trends in the further development of the production of glasses for ceramic products. p. 1.
- Pyrkov, V. P., Tumanov, S. G. - Obtaining new chrome pigments of the apical type. p. 2.
- Byatnikov, A. S. - Mechanism of the formation of zirconium-silicon-vanadium and certain other ceramic pigments. p. 5.
- Cherepanov, B. S. - Characteristics of the formation of a zirconium-vanadium pigment. p. 8.
- Cherepanina, L. I. - Using perlite in ceramic coloring. p. 12.
- Shushanishvili, A. I., Khizanishvili, I. G., Caprinadashvili, G. G. - Glaze with a "crackle" finish on a perlitic base. p. 13.
- Manvelian, M. G., Manukian, R. V., Davidiants, N. S. - Transparent glazes on a base of "orevanite." p. 14.
- Azarov, K. P., Domchenko, N. S. - Resistance to abrasive wear of ceramic coatings on metals. p. 16.
- Belova, N. A., Iudin, N. A., Tinfakov, A. M. - Transparent silicate luster colors and metallic oxide coatings for decorating glassware. p. 19.
- Solovov, F. G., and others. - Effect of additions of fluorine and the replacement of sodium oxide by potassium oxide on the crystallizing properties of sheet glass. p. 22.
- Cherniak, M. G., L'vov, B. S. - Efficient diameter of an elementary glass fiber as reinforcement material for the production of glass-reinforced plastics. p. 26.
- TSarkisyan, M. A., Dolgov, M. K. - Black glass for the production of facing tiles on automatic presses. p. 29.
- TSukanov, A. A., Solov'ev, I. U. A. - The PD-2 disk transfer device. p. 31.
- Sobko, A. G. - Two-sectional semiautomatic machine for the glazing of plates. p. 33.
- Rabinovich, A. E. - Production of mosaic ceramic tiles. p. 34.
- Eimolenko, G. N. - Analyzing the factors of overhead cost reduction and the reduction of the cost of glass. p. 35.
- Shteinberg, I. U. G. - More about mat colored glazes. p. 37.
- Bulayin, I. U. I. - Determining the temperature, the dynamics and the rate of melting of readily fusible glasses, enamels and glazes. p. 39.
- Drainage pipes for agriculture. p. 40.
- Gosin, N. I. A. - Conference on the exchange of practices in the mechanization and automation of ceramic and porcelain-faience manufacture. p. 46.
- \*ZHURNAL PRIKLADNOI KHIMII [JOURNAL OF APPLIED CHEMISTRY]**. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 38, no. 4, Apr. 1965.
- Table of contents translated:
- Kozhevnikov, G. N., Mikulinskii, A. S., Bakhtreva, L. D. - Preparation of metallic sodium by a reduction of its silicate by carbon in a vacuum. p. 713.
- Sobolova, M. S., Matkovskii, L. I. A. - Production of rare-earth selenides by the reduction of selenites. p. 717.
- Bilnova, N. P., Matusevich, L. N. - Effect of the conditions of a crystallization on the capture of adsorbed impurities by crystals. p. 721.
- Stefaniuk, S. L., Morozov, I. S. - Kinetics and the mechanism of chlorination of minerals (topazite, pyrochlore, zircon, and euxenite). p. 729.
- Kizas, A. U., Grishina, I. A., Lapina, L. M. - Ammonium ferri and aluminophosphates. p. 738.
- Kuznetsov, S. I., Derzavskii, V. A., Korukov, V. N. - Effect of irradiation on the rate of leaching of bauxite and hydrocargillite. p. 746.
- Kostuk, A. P., Evdokimov, D. I. A. - Adsorption of germanium compounds from solutions by activated carbon. p. 751.
- Makarov, D. F., Shvedov, V. P. - Separation of Li and K, Li and Cs. p. 756.
- Tseftin, A. N., Lender, I. U. V. - Absorption of high concentration nitrogen oxides by water. p. 761.
- Babrov, V. S., Kalmykova, L. P., Shulits, M. M. - Manifestation of the coordinate state of boron in an electrode behavior of lithium borosilicate glasses. p. 768.
- Gorlunova, N. A., Sokolova, V. I., Tselan Bin-Si [Chiang Ping-hai]. - Synthesis and some properties of the ZnGeAs<sub>2</sub> compound. p. 771.
- Buzhinskaya, A. V., Guldin, I. T. - Study of the reciprocal system Na, K // Cl, SO<sub>4</sub> by the methods of thermal analysis and electroconductivity. p. 778.
- Korchagina, E. P., Glikman, S. A., Khomutov, I. I. - Thermal characteristics of gels. p. 786.
- Markov, V. D., Sokol'skii, D. V., Fisman, A. B. - Catalytic reduction of inorganic compounds in a liquid phase by carbon monoxide. p. 791.
- Slobodin, B. V., Fotiev, A. A. - Phase diagram of the Na<sub>2</sub>O - V<sub>2</sub>O<sub>5</sub> system. p. 801.
- Danilev-Bek, V. E., Vityskaya, G. V., Danilenko, I. F. - Nickel-palladium mixed catalysts in the elect oxidation of ethylene glycol in an alkaline medium. p. 806.
- Rollman, A. L., Sholina, I. A., Ioffe, E. Sh. - Effect of hydrodynamic factors on the regularities of a simultaneous deposition of main metal ions and impurity cations discharged at a limiting current. p. 811.
- Dellmar'skii, I. U. K., and others. - Electrochemical processes in melts involving intermetallic compounds. p. 816.
- Grillkhes, M. S., Sysoeva, V. V. - Effect of a chlorine anion on the kinetics of a simultaneous discharge of iron and nickel. p. 823.
- Balashova, N. N., and others. - Conditions for the production of porous and pore-free zinc coatings from acid baths. p. 828.
- Fedotov, N. P., and others. - Formation of passive oxide films during an electrochemical polishing of aluminum. p. 834.
- Maltak, G. P., Ishchenko, N. A. - Electrochemical polishing of steel by an alternate current. p. 840.
- Drobantseva, N. T. - Effect of some complex anions on the chromium plating process. p. 846.
- Skliarenko, S. I., and others. - Electrolysis of an aqueous solution of a mixture of potassium and lithium chlorides with a moving mercury electrode. p. 849.
- Kolodnyi, S. I. A. - Formation of sulfides during a shaft furnace smelting of oxidized nickel-containing ores. p. 855.
- Nikitin, I. U. V., and others. - Infrared heating of sheet thermoplastics. p. 864.
- Morzin, A. R., and others. - Mechanism of the thickening of suspensions. p. 870.

- Kuadzhe, M. I. - Catalytic properties of natural mineral substances p. 877
- Gleim, V. G., Vilenki, V. M. - Thermodynamics of surface phenomena during boiling p. 883
- Smirnov, N. I., Gumentuk, N. A. - Use of G. K. D'laconov's equation for the extraction from single drops. p. 890
- Rudenko, N. Z., Sidorenko, L. M., Bablin, E. P. - Effect of the nature of a catalyst on the isomeric composition of cymenes p. 895
- Ipatova, M. D., Grodshstein, A. E., Zholobov, S. P. - Sorption of carbon dioxide from porous active materials by absorbents. p. 900
- Seliverstov, V. M. - Solubility of difluoromono-chloromethane (Freon-22) in dibutyl phthalate at various temperatures and pressures p. 905
- Polianski, N. G., and others. - Mechanism of thermal desulfuration of the hydrogen form of ion exchanger KU-2 in hydrocarbon media p. 910
- Klenkova, N. I., and others. - Action of the primary aliphatic amines on the structure and reactivity of cotton cellulose fibers p. 919
- Ruschev, D. D., Mikhailov, S. S. - Sembletting of the constituent fractions of brown coals and peats. p. 925
- Katsobashvili, I. A. R., Elbert, E. I. - Hydrogenation of a raw anthracene fraction at 50 atm. pressure on an industrial aluminum-cobalt-molybdenum catalyst. p. 930
- Proskuriakov, V. A., Solovchik, Z. V., Gromova, V. V. - Study of the high-molecular weight acids formed in the oxidation of Gdovek oil shales. p. 936
- Filonenko, N. E., Zaretskaya, G. M. - Silicon carbide and ferrosilicochrome. p. 941
- Zaglasnikh, A. L. - Special features of the processes of cobalt precipitation by xanthates p. 942
- Bogatykh, S. A., Eynovich, I. D. - Study of the density of aqueous solutions of LiCl, LiBr, and CaCl<sub>2</sub> as applied for a drying of gases. p. 945
- Volovich, R. F. - Oxidation of iron alloys with aluminum and copper alloys with aluminum. p. 946
- Mashovets, V. P., Puchkov, I. V. - Vapor pressure above liquid magnesium and calcium. p. 949
- Maltazh, N. K., Bogoslavskii, A. F. - Process of incapsulation of the  $[Ag(CNS)_2]$ -anion labeled with an  $Ag^{110}$  isotope into a forming anodic oxide film on aluminum. p. 952
- Sharafan, G. I., Frantsovich-Zahlodovskaya, T. F. - Electrodeposition of iron-molybdenum alloys from fluoride electrolytes. p. 954
- Dubinin, M. M., and others. - In memory of professor V. I. Shvemberger. p. 957

#### 4. CIVIL & CONSTRUCTION ENGINEERING

**BETON I ZHELEZOBETON (CONCRETE AND REINFORCED CONCRETE)** Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U.S.S.R.], Moscow, vol. 11, no. 4, Apr. 1965.

Table of contents translated

- Mikhailov, V. A. - Practices in elaboration and use of three-dimensional reinforced concrete elements. p. 2
- Liberman, A. D., Rubach, O. M., Korshunov, D. A. - Precast-monolithic roofs of the short cylinder shell type. p. 7
- Abovskii, V., and others. - Double curvature shells for roofs of industrial buildings. p. 12
- Savinov, O. A., and others. - Molding panels of precast reinforced concrete three-dimensional roofs. p. 15
- Khalidukov, G. K., Abdullaev, Z. A. - Warehouse roof of thin-walled folded elements. p. 19
- Skramtaev, B. G., Bazhenov, I. U. M. - Improved formulas for determining the strength of concrete. p. 25
- Nikitin, N. V. - Pavilion for the "Construction" Section of the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 27
- Krivelev, L. I. - Study of the limiting condition of sloping reinforced concrete shells with a flat contour. p. 28
- Chinenkov, I. U. V. - Performance of a precast shell under a load (a shell in the form of an 18 x 18 m. hyperbolic paraboloid). p. 32
- Levin, Sh. S. - Mesh-reinforced concrete suspension roofs for sheds and warehouses. p. 36
- Balkov, V. N. - Determining the internal forces of statically indeterminate reinforced concrete beams and flexures taking into account the inelastic characteristics of the elements. p. 38
- Kireenko, I. A. - Construction operations under frost conditions according to "seasoning" and "expanded thermos" methods in the Ukraine and in Siberia; a rejoinder to opponents. p. 42
- Proskuriakov, M. N. - Problems in the theory of plates and shells. p. 46
- "Construction" Section of the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 47

Vol. 11, no. 5, May 1965

Table of contents translated

- Strengthening the material and technical base for agriculture p. 1
- Simonov, M. Z. - Methods of determining some properties of concrete mixes p. 3
- Stelchuk, N. A., Iakovlev, A. I., Buhry, N. F. - Estimated determination of the refractoriness of statically determinate reinforced concrete trusses p. 6
- Priskalits, M. P. - Sealed joints of precast reinforced frames of public buildings. p. 11
- Putlakov, K. P., Chernitsov, A. I. - Prestressed silo towers of monolithic reinforced concrete. p. 15
- Khleboi, I. A. F., Efremov, G. M. - Study of the performance of ribbed shells under concentrated loads p. 20
- Bunich, L. M., Trunin, N. P. - Strength of concrete and reinforced-concrete circular cylindrical shells subjected to external hydrostatic pressure p. 25
- Sarapin, I. G., Kondrat'ev, M. I. - Efficient methods of forming keramzit concrete products from heavy mixes. p. 28
- Schastnyi, A. N., Krivitskii, M. A. - Change in the strength of gas concrete during the process of autoclaving p. 30
- Anisov, K. K., Kusakov, A. N. - Experimental study of reinforced concrete slabs bearing on pliable contours. p. 33
- Drugov, L. I. - Bearing capacity of beam reinforced concrete slabs under concentrated loads. p. 36
- Reznichenko, P. M., Savin, V. I., Shuster, R. L. - Keramzit foam concrete on a base of keramzit obtained from Kazakh clay shale. p. 38
- Polishchuk, V. P. - Protraced sagging of precast monolithic elements. p. 40
- Godytskii-Tsvirkov, T. - Calculating reinforced concrete beams and walls p. 43

Vol. 11, no. 6, June 1965.

Table of contents translated

- Kolokolov, N. M. - Ways of developing and improving the construction of reinforced concrete bridges. p. 1
- Kireenko, V. I. - Guy reinforced concrete bridge. Krylov, I. U. K. - Standard supports of precast reinforced concrete and concrete under unfixed spans. p. 10
- Pisanko, G. N., Shcherbakov, E. N. - Conditions for the formation of longitudinal cracks in the concrete of span bridges under the action of shrinkage stresses. p. 16
- Kostelianski, B. A. - Precast pile-trestle reinforced concrete bridges. p. 21
- Bergen, R. I. - Endurance and creep of glued reinforced concrete joints. p. 24
- Seregin, I. N., and others. - Glued joints in precast reinforced concrete spans. p. 26
- Iakovson, K. K., Ustinov, V. P. - Reinforced concrete 55 m. span with continuous trusses for a railroad load. p. 31
- Strelitskii, N. N. - Method of calculating statically indeterminate reinforced concrete and steel reinforced concrete bridge elements according to limiting conditions taking nonelastic deformations into account. p. 34
- Khalidukov, G. K. - Construction of a road bridge in the Netherlands. p. 38
- Dubrova, E. P., and others. - Construction of reinforced concrete bridges in France. p. 41
- Assembly-line technology of manufacturing reinforced concrete products. p. 46

**GORODSKOE KHOZIAISTVO MOSKVY [MUNICIPAL ECONOMY OF MOSCOW]** Organ of Ispolkom Moskovskogo gorodskogo soveta deputatov trudiaschikhshila [Executive Committee of the Moscow City Soviet of Workers' Deputies], Moscow, vol. 39, no. 4, Apr. 1965.

Table of contents translated

- Banner of Leninism is invincible p. 1
- Legornov, S. F. - Ulyanovsk, Lenin's hometown. p. 2
- Novokhatskii, A. F. - Underground roads of the capital. p. 8
- Polezhaev, V. D. - Development of the technique of building the Moscow subway. p. 11
- Dogdanov, A. P. - Best people working for the Moscow subway. p. 15
- In the new sections of the Moscow subway. p. 16
- Galonov, I. U. M., Iakushkin, I. M. - Use of passenger elevators in the Moscow subway. p. 18
- Frolov, F. N. - Subway and suburban railroads. p. 20
- Malkov, I. U. S. - More on the subway in the outlying districts. p. 21
- Damberg, A. F. - It is necessary to have a new passenger information system for the subway schedules. p. 22
- Karpukhin, N. A. - Train traffic and passenger service. p. 24
- Rogozhin, A. P. - Prospects for the improvement of rolling stock. p. 25

- Semenik, M. L., Sokolov, L. S. - Development of electric control of trains. p. 27
- Lisovin, V. P., Koganov, B. S. - Economic and passenger traffic of the subway. p. 28
- Razin, G. I. - Track work p. 32
- Babakhin, A. I. - Maintenance of installations. p. 34
- Kossakovskii, S. N. - Escalators of the Moscow subway. p. 37
- Ermolov, D. G., Bykov, E. I., Krolov, I. I. - Improvement in the power supply system of the subway. p. 41
- Mallarskaya, T. N. - Sanitary engineering of the subway. p. 42
- Kukushkin, A. G., Kharitonov, M. G., and others. - Centralized repair of electric equipment of the subway. p. 44
- Zhuravskii, A. A., Makhmutov, K. M. - Automation of the subway. p. 45
- Orlov, N. K. - Kiev subway. p. 45

Vol. 39, no. 5, May 1965.

Table of contents translated

- Kalashnikov, A. M. - High speed long distance travel. p. 2
- Beloborodov, A. P. - Great deed of a hero of the Soviet Union. p. 5
- Davydov, V. I. - Improve the work of automatic freight transportation. p. 7
- Panov, D. I. - Principal tasks of improving urban areas and services in the city during the summer. p. 10
- Berdnikov, I. U. V. - Cost of street construction. p. 14
- Volkov, P. P. - Landscape gardening in the city. p. 16
- Kashirskii, K. F. - Five-year plan for landscape gardening in Moscow. p. 18
- Khromov, I. U. B. - Economics of landscaping residential areas. p. 20
- Anisov, N. F. - Flowers for the people of Moscow. p. 22
- Bobokhina, N. V. - Plantings and the microclimate of an area. p. 24
- Maliuk, I. S. - Hardy and long-lived plantings in wooded parks. p. 27
- Sokolov, I. M. - Woodland park management. p. 30
- Rakhmanov, A. I. - Preserving and improving the fauna in woodland parks. p. 30
- Kirichenko, V. K. - Paving blocks for park paths. p. 31
- Iurkevich, V. K., Lunin, A. P. - Design and plantings for balconies. p. 36
- Budapest reborn. p. 37
- Maslennikov, G. P. - Through the cities of America. p. 39
- How can we organize more effectively the relations with the voters in an electoral district? p. 43

**MEKHANIZATSIA STROITEL'STVA [MECHANIZATION OF CONSTRUCTION]** Issued by Gosudarstvennyi komitet po delam stroitel'stva SSSR and Tsentrallye pravleniye Nauchno-tekhnicheskogo obshchestva in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Construction Industry], Moscow, vol. 22, no. 2, Feb. 1965.

Table of contents translated

- Egnus, M. A. - Improving precision in assembling large-panel buildings. p. 1
- Sashchenkov, M. S., and others. - Transportation equipment for moving building materials and construction elements. p. 4
- Rumiantov, M. V. - Centralized manufacturing of paint materials. p. 8
- Aleksandrov, I. U. G. - Setting crane towers on wheels. p. 11
- Fedorov, D. I., Nedozorov, N. A., Gulina, N. Y. - D-542 scraper with curved blades and bottom. p. 12
- Goldov, I. P., and others. - Using air as an oxidizing agent during thermal boring of rock. p. 14
- Rytel, E. - Development of elements of construction tower cranes in Poland. p. 16
- Rastrelli, E. - Tower cranes with trolleys and their effect on construction methods. p. 20
- Kogan, I. A. - Construction tower cranes. p. 23
- Shapoval, I. K., Buresh, V. I. - Equipment for trenchless laying of large-diameter. p. 25
- Kurochkin, L. I. - Depth gauge for single-bucket excavators. p. 28
- Novitskii, A. A., Koval'skii, A. F. - 8-807 lifter for building operations. p. 28
- Reifisov, I. U. B. - Crane for preparatory operations. p. 29
- Glukhin, V. I., Sokolov, L. K. - Pressure reduction for mortar pumps. p. 30
- Aryanski, V. N. - Manual on automation of production processes and devices for controlling and measuring. p. 30

**MONTAZHNYE I SPETSIAL'NYE RABOTY V STROITEL'STVE [ASSEMBLY AND SPECIALIZED OPERATIONS IN CONSTRUCTION].** Organ of Gosudarstvennyi proizvodstvennyi komitet po montazhnym i spetsial'nym stroitel'nym rabotam SSSR i Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Production Committee for Assembly and Specialized Operations in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 25, no. 7, July 1963.

Table of contents translated  
Turgel', D.I. - Assembling units for the catalytic reforming of gasolines. p. 1.  
Mazo, L.I. - Block assembly of the metal structures of a bridge-cable crane. p. 4.  
Bogdanov, V.N. - Possibilities of using induction but welding of pipes in construction. p. 6.  
Podseanyl, V.A. - Assembling underground polyethylene pipelines. p. 9.  
Protopopov, V.B., Alekseev, N.I. - Flange joints of pipelines made from nonferrous metals. p. 10.  
Filippov, V.V. - Mechanization of cable and line work. p. 14.  
Bodrov, G.D., Reife, Kh. Kh. - Assembling a precast reinforced-concrete water-cooling tower. p. 15.  
Khanapetov, M. V. - New equipment for welding. p. 18.  
Korbut-Smirnov, A.L. - Work of a specialized crew of fitters and assemblers. p. 22.  
Boborykin, E.P. - Volunteer design bureaus. p. 24.  
Bench-lable for welding. p. 26.

**MOSCOW, VSESOUZNIY PROEKTNO-IZYSKATELSKIY I NAUCHNO-ISLEDOVATELSKIY INSTITUT GIPROVODKHOZ, Trudy [ALL-UNION DESIGN AND SCIENTIFIC RESEARCH INSTITUTE OF THE WATER ECONOMY, Transactions].** No. 25, 1963.

Table of contents translated  
Olofinakli, L. N. - Geophysical methods of prospecting for the purpose of erecting structures for water management. p. 3.  
Dittl'ev, B.V. - Using the new technology for compiling topographic maps according to Prof. V. F. Delneko's method in industrial conditions. p. 24.  
Delneko, V.F. - Use of a 4-8 time enlargement of a photograph in aerial photographic surveying. p. 29.  
Kulachev, B.A. - BKG-63-2 hydraulic drill and crane for soil and meliorative surveying. p. 38.  
Makhotin, E.A., Pishchikov, R.S., Filippov, F.P. - New earthmoving machinery for water management construction. p. 41.  
Zherobitsov, V.V., Pishchikov, R.S., Filippov, F.P. - Using earthmoving machinery in water management. p. 52.  
Kuznetsov, V.A. - Reinforced concrete funnel troughs and conduits 1.2 and 1.4 m. deep. p. 72.  
Alekseev, N.A. - System of technical and economic indices for determining the economic effectiveness of irrigating pastures. p. 79.

No. 20, 1964.

Table of contents translated:  
Mirakli, A.I. - Practices in manufacturing pressure and non-pressure reinforced concrete pipes. p. 3.  
Litkov, A.P., and others. - Mesh-reinforced concrete on building sites of water development projects. p. 73.

**NA STROIKAKH ROSSII [AT RUSSIAN CONSTRUCTION PROJECTS].** Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R.S.F.S.R. for Construction]. Moscow, vol. 6, no. 4, Apr. 1965.

Table of contents translated:  
Brosmann, A., Kashkadimova, N. - Ulyanovsk is being built up. p. 1.  
Korenov, A. - Old plants are being reconstructed, new ones are being built. p. 2.  
Orlov, A. - Planned output of the housing construction combine will be attained. p. 4.  
Zhurba, D., Klindafator, V. - Enlargement of a cement plant. p. 6.  
Prokof'ev, V., Turtan, A. - Mechanizing heavy and labor-consuming operations. p. 7.  
Ermeev, M., Razinski, A., Starikov, B. - Industrial base is growing. p. 8.  
Budanov, A. - On sagging ground. p. 9.  
Kurek, N. - Building according to a dash-and-dot work organization chart. p. 10.  
Beliaeva, B. - Reliable system of control and planning. p. 11.  
Gusev, I.U. - Practices in organizing work by compiling and introducing graphs. p. 12.  
Freidina, K. - Clear and indisputable advantages. p. 14.  
Svitsov, A. - Material and technical supply is the important problem. p. 16.  
Shatrov, A. - Blooming mill built ahead of schedule. p. 18.

Mol'nikas, I. - System permits one to foresee and control accurately. p. 20.  
Maltin, G. - Principles of central control when using graphic work schedules for planning and controlling. p. 21.  
Truzhenikova, G. - Programming and calculating on the BESM-2M electronic computer. p. 22.  
Practical experience is a guarantee of success. p. 24.  
On a new quality standard. p. 26.  
Recommendations of the All-Russian Seminar in Smolensk on Practices in Introducing Graphic Work Schedules. p. 28.  
Directives on problems of computing budget costs and of calculating the performance of building operations. p. 29.

Vol. 6, no. 6, June 1965.

Table of contents translated.  
Briuno, A. - Improvement of the organization of the construction industry is the decisive factor. p. 1.  
Kostylev, S. - We are introducing advanced methods for the installation of plant equipment. p. 2.  
Fan'ko, I.I., Panornov, V., Kriukov, I.I. - In record time. p. 4.  
Alt'erman, L. - Law of a construction project. p. 6.  
Zagorski, I.I., Kshlak, G. - Building a central boiler plant in 154 days. p. 8.  
Cherkes, I. - Practices in compiling graphic work schedules. p. 10.  
Korneev, V. - Work production plans should be realistic. p. 11.  
Toubkin, M., Gol'berg, L. - Stable technological base is needed. p. 12.  
Aydeev, I.I., Baranova, T., Kriuchkov, V. - Solution of a problem for optimal results. p. 13.  
Semenov, A., Fabryl, V. - At packaging stands. p. 15.  
Fomlin, G. - New design features and the reconstruction of the capital. p. 16.  
Badanov, G. - Great city planning experiment. p. 18.  
Dykhovichnyi, I.U. - New multistory large-panel apartment houses. p. 20.  
Zosimov, G. - Microdistrict service center in Ulyanovsk. p. 22.  
Tarnovskii, V., Bublikov, V. - Assembling the framing of a textile factory with a spacing of columns 12 x 18m. p. 24.  
Trishin, N. - Manufacturing large prestressed elements. p. 25.  
Vasil'ev, L. - When the construction assembly line is broken. p. 26.  
Zubakov, S. - There are similar resources in every construction and assembly administration. p. 28.  
In the Ministry of Construction of the R.S.F.S.R. p. 30.  
In the State Committee on Construction of the Council of Ministers of the R.S.F.S.R. p. 31.  
Guide materials on problems of compiling estimated costs and on calculations for completed construction and assembling operations. p. 32.

**NOVAIA TEKHNIKA ZHILISHCHNO-KOMMUNAL'NOGO KHOZIAISTVA: ZHILISHCHNOE KHOZIAISTVO [NEW TECHNOLOGY FOR HOUSING AND COMMUNAL SERVICE: HOUSING SERVICES].** Issued by Tekhnicheskoe upravleniye Ministerstva kommunal'nogo khoziaistva RSFSR [Technical Administration of the Ministry of the Communal Economy of the R.S.F.S.R.]. Moscow, no. 2, 1963.

Table of contents translated:  
Luk'yanov, N.V. - Organizing the work of the overall major repair of apartment houses. p. 4.  
Belov, N.N. - Advanced methods of reinforcing foundation beds of buildings. p. 12.  
Chirkov, M.A., Luk'yanov, N.V. - Reconstruction of apartment houses. p. 17.  
Irina, N.P. - Stuccoing and painting the façades of buildings. p. 22.  
Smyshl'eva, T.N. - Drying plaster and walls of buildings by gas dryers. p. 28.  
Maukhin, I.S. - Use of chlorine compounds for winter maintenance of urban areas. p. 34.  
Chistovich, S.A. - Individual automatic control of the central heating of apartment houses. p. 43.  
Shmidt, V.A. - Single-pipe system of hot-water heating with low setting of mains for increased heat transmission of heat carriers. p. 61.  
Galykhin, N.M., Slavin, M.B. - Automation of safety and control systems of heating in automated heating boilers. p. 71.  
Kraitsberg, N.I. - Furnace device with interior drying chamber for burning wood wastes. p. 85.  
Rabinovich, G.M. - Plan for the major repair of apartment houses using new materials. p. 93.  
Safonov, I.U. - Plastic roofs and their characteristics. p. 98.  
Laptev, A.I. - Flat built-up roofs for major repairs of apartment houses and public buildings. p. 105.  
Spas'kil, I.I. - Mast hoist. p. 114.  
General problems of housing services. p. 119.

**\* OSNOVANIYA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS].** Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 7, no. 3, 1965.

Table of contents translated:  
Berezantsev, V.G. - Calculation of the settling of deep foundations in clay beds. p. 1.  
Krivorotov, A.P. - Behavior of a sandy foundation bed under a vertically loaded stamp. p. 4.  
Grigorlan, A.A., Kulachenok, B.G. - In situ studies of the deformations of sagging ground under testing plates. p. 7.  
Muller, R.A. - Setting the value of the safety coefficient in the calculation of foundations for stability. p. 9.  
Perkov, I.U., Dolgikh, M.A. - Practices in the comparative determination of the modulus of rock elasticity in laboratories and under field conditions. p. 10.  
Arutunian, R.N., Kazakov, B.M., Kleiman, A.D. - Wells for vacuum water lowering in stratified soils. p. 12.  
Chernyi, B.I., and others. - Joint performance of building and foundation bed under conditions of great deformations during the compaction of loess strata by the weight of the structure. p. 13.  
Erosenko, V.N. - Experimental driving of friction piles in Vorkuta in areas of deep permafrost. p. 16.  
Salamon, K.P., Bernar, D.N., Korsunskii, E.V. - Building underground units for a continuous steel casting plant by the open caisson method. p. 18.  
Gubkin, V.A. - Preparing the foundation bed for large-panel buildings in Zaporozh'ye. p. 21.  
Abelev, I.U., and others. - Experience in correcting the tilt of a large-panel 1-480-P series apartment house after the sagging of the foundation. p. 23.  
Vasil'evskii, V.E., Zakharenko, M.M. - Observations of the deformations of the foundation of the "Moscow" Hotel in Kiev. p. 25.  
Rudnitskii, N.I.A. - Initial datum point for measuring the sagging of the foundations of structures. p. 27.  
Vialov, S.S. - Foundation construction in permafrost in the U.S.A. and Canada. p. 28.  
Mikheev, V.V., Snel'shechikov, S.I. - Draft of new norms: "Instructions for determining the characteristics of soils." p. 30.  
Agranovskii, G.G. - Conference on Precast Reinforced Concrete Foundations under Machinery. p. 32.

**POZHARNOE DELO [FIRE FIGHTING].** Issued by Ministerstvo okhrany obshchestvennogo poriadka RSFSR [Ministry for the Protection of Public Order of the R.S.F.S.R.]. Moscow, no. 5, May 1965.

Table of contents translated:  
Great victory. p. 1.  
Semenov, V. - Moscow, a city on the front line. p. 3.  
Semina, N. - Six interviews. p. 5.  
Zherobitsov, P. - In the mountains of Ossatia. p. 6.  
Moliseev, G. - To fight the common enemy. p. 7.  
Gusev, M. - Glorious life of a soldier. p. 8.  
Nagornyi, A. - Continuing to stand watch. p. 9.  
Klimovich, V. - Partisan detachments. p. 9.  
Branovets, P. - Fighting the enemy, fighting fires. p. 10.  
Shechikh, K. - From the Volga River to the Pacific Ocean. p. 11.  
Galkin, S., Samokhvalov, V. - On the front line. p. 12.  
Liaschenko, E. - In the burning Novorossiysk. p. 13.  
Savchenko, P. - Only three of them survived. p. 14.  
Viktorov, V. - Attention, air raid! p. 14.  
Gullae, M. - Do you remember, comrade, how we fought together? p. 15.  
Agamizrov, A. - Days full of anxiety. p. 16.  
Mal'tsev, V. - Example of great courage. p. 16.  
Listopad, G. - For the human life. p. 16.  
Kruglikov, N. - This should not happen again. p. 17.  
Orlov, N. - Among the defenders of Brest. p. 17.  
Baturin, V. - Let's remember those who did not return. p. 17.  
Martem'yanov, V. - That night, when snow was falling. p. 18.  
Kilmov, F. - Two fighters. p. 19.  
Nosov, I. - Watchmen of the northern port. p. 20.  
Markov, G. - Guards commander. p. 20.  
Skobelev, O. - Like a battle. p. 21.  
Guseva, Z. - Road of war. p. 21.  
Chulkov, N. - Fate of a soldier. p. 22.  
Eras'ko, A. - An episode. p. 22.  
Bibichev, R. - In the ranks. p. 23.  
Korolev, I. - In one of the inspection bureaus. p. 25.  
Lukashchik, N. - Foam as fire extinguisher. p. 27.  
Khromov, A. - Students work on probation. p. 27.  
Golubev, M. - Business approach. p. 28.  
Sokolov, A. - In the villages and in the city. p. 30.  
Monakhov, V. - Isopropyl ester of chlorocarbonic acid. p. 31.  
Kosykh, I. - How and when to use oxygen gas masks. p. 32.

**PUT' I PUTEVOE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE].** Organ of Ministerstvo putei soobsheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 9, no. 3, 1965.

- Table of contents translated
- Detect and utilize production reserves p. 1
- Tsukanov, P. P. - Potentials in the management of track operation, maintenance and repair p. 2.
- Litvinov, V. I. A., Mikhalev, M. S. - Rails manufactured by two combines p. 5
- Improve the quality of rails. p. 6
- Kislak, V. A., Karmazin, A. I. - Prevent contact defects p. 7
- Frishman, M. A., Belykh, K. O., Voloshko, I. U. D. - Type of rails for industrial tracks. p. 9
- Kaprisev, N. V. - Rails made of chromium steel. p. 9
- Zubarev, V. V. - Transportation of rails. p. 11.
- Berezhnoi, G. P., Mikhailova, N. P. - Welding of rails on the track p. 12
- Turbin, A. E. - Council of public inspectors. p. 13
- Vladimirov, A. N. - Public control in action p. 14.
- Bystritskiy, M. I. - From the experience of the Fastov Division. p. 15
- Leuchil, N. A. - We improve our living conditions p. 16
- Stavropol'tsev, K. F. - Device for measuring roller incline p. 17
- Mikhailov, R. I. - Achievements of Estonian railroad workers p. 18
- Riabnikov, M. G., Tat'yevskiy, V. M., Khorometskii, V. A. - Technology of the substitution of graphite lubrication p. 19
- Blatov, E. I. - Capable organizer and thoughtful commander. p. 20.
- Fedotov, I. N. - New track template p. 21.
- Bormolin, A. F. - Exchange of waterproofing p. 23.
- Bunin, E. E. - Preventing washouts p. 25.
- Lan'ko, N. A. - Suitable preparation is a guarantee for success p. 25.
- Iakovleva, L. V. - We are ready to face floods p. 26.
- Efendiev, A. M. - New barrage wall "Zigzag." p. 27.
- Tagiev, T. G. - Develop reliable methods of snow protection p. 28
- Shkurat, N. I. - Improve business accounting p. 29.
- Angelisko, V. I. - Concerning one of the indices. p. 30.
- Tormazov, S. V. - New organization of track repair. p. 31.
- Kozhechkin, N. M., Prokof'ev, I. A. - About one side heaving. p. 33.
- Lybov, M. P. - In the railroad workshops. p. 34.
- Greshnikov, N. V. - Preventing traumatism p. 35.
- Evtushevskii, A. A. - Exemplary section. p. 36.
- Faktor, M. Sh. - Germanium diodes in defectoscopes p. 37
- Taydizhiviti, Sh. I. - The quality of inspection has been improved. p. 37
- Rummel, K. A. - We need modern snowplows p. 40
- Dolgov, S. P. - More about cleanliness on railroad tracks p. 40
- Shakhov, I. V. - Eliminate price inadequacy. p. 40.
- Initiator of railroad mechanization. p. 46

Vol. 9, no. 6, 1965.

- Table of contents translated
- Basilov, V. V. - Introduce the scientific organization of work in the operation and maintenance of tracks. p. 1.
- Petrov, N. P., Simon, A. A. - Mechanisms take the place of manual labor. p. 4.
- Kolomiets, I. D. - Using a ballaster for track alignment. p. 6.
- Shkalov, I. G. - Produce more ties of high quality. p. 9.
- Zenkevich, V. A., Osipov, V. O. - New type of wrench. p. 10.
- Baranova, L. A., Mel'nikov, B. V. - Safety engineering in the division. p. 11.
- Achkasov, N. I., Kobrinskii, V. I. - Improving the quality of maintenance and repair. p. 13.
- Mil'man, G. I. A. - Traffic interval time saving. p. 16.
- Kobzev, N. A. - Relations between the division and track machinery stations. p. 17.
- Bredyuk, B. P. - Our proposals. p. 19.
- Zherebtsov, I. V. - Supplement the indices with more details. p. 21.
- Dubenko, I. U. S. - Heroic deed of a man. p. 22.
- Bunakov, I. U. L. - Underground water drain. p. 24.
- Krupko, N. A. - Improved performance of a machine. p. 26.
- Ivanov, V. G. - Proposals of railroaders. p. 27.
- Solodovnikov, S. A. - Tuning of the command system of rail welding machines. p. 29.
- New features in the Instruction of Safety Measures. p. 32.
- Pershin, S. P. - Purpose of tolerances in gauge maintenance. p. 37.
- Kislak, A. A. - Splicing of rail lengths for curved sections. p. 39.
- Latvintsev, I. U. N., Komov, V. M. - Crack in the rail. p. 42.

**SEL'SKOE STROITEL'STVO [RURAL CONSTRUCTION].** Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R.S.F.S.R. for Construction]. Moscow, vol. 19, no. 4 (1965), Apr. 1965.

- Table of contents translated:
- Lenin's ideas are conquering p. 1.
- Perov, I. U. - In Lenin's home province p. 3
- Bodno, A. - Lenin's plan for electrification is being realized p. 5
- Village of Shushenskoye today p. 7.
- Mordovin, V. - Let us intensify the struggle to fulfill the plan ahead of schedule p. 8
- Rogov, V. - Lower the cost of building poultry plants p. 10.
- Mastenkov, V. - Efficient designs for the water-supply systems of poultry houses and the sewerage systems of cow barns p. 11
- Usanova, M. - Experimental warehouses for mineral fertilizers p. 12
- Anokhin, V. - Cafeterias for country roads. p. 13.
- Gosin, N. - Manufacturing cement-sand slabs for floors and facings p. 14.
- Gol'din, A., Svetinskii, E. - Mechanizing the work of laying pile foundations p. 15
- Zaikin, A. - Efficient forms of rural contractual organizations p. 17
- Zapriagaev, V. - What equipment is needed for movable mechanized task work? p. 17
- Kalenchuk, Z. - Good standard designs of drainage collecting systems for collective farm ponds are necessary p. 18.
- Melikova, N. F. - Improve the training of specialists for rural construction p. 19.
- Shulenin, M. - It is impossible to accept such a situation any longer! p. 20
- Smirnov, E. - These shortcomings are not to be tolerated p. 22.
- Lipkin, P. - Conditions are similar but the results are different p. 22
- Mechanisms and tools for assembling and finishing work p. 24
- Use these yourself. p. 26
- Shepelev, A. - How to preserve wood from destruction by deathwatch beetles p. 28.

**SIL'S'KE BUDIVNYTSTVO [RURAL CONSTRUCTION].**

- Issued by Ministerstvo vyrobnytstva i zahotiv sil's'kohospodars'kykh produktiv Ukrainy [Ministry of Production and Procurement of Agricultural Products of the Ukrainian S.S.R.]. Kiev, vol. 15, no. 2 (143), Feb. 1965
- Table of contents translated:
- Kolotil, M. - Work better in 1965 than in the previous year p. 1.
- Panchuk, M., Ban'kovs'kyi, V. - Precast reinforced concrete goes into building. p. 4
- Lepa, B. - For an improved technology p. 5.
- Zen'kovych, H., Sichova'kyi, A. - New types of designs for rural club buildings p. 7.
- Zakovorotnyi, D. - Who can perform special operations. p. 10.
- Kolobanov, S. - Ways of reducing the cost of designing and building small purification plants for sewage. p. 11.
- Kutikov, H. - Efficient solutions. p. 13.
- Fogel', H. - Bitumen mastics are practical. p. 14.
- Strosh, I., Kurynyi, A. - Definite rhythm. p. 16.
- Dannyk, M. - Prepare in time for the production season. p. 17.
- Mel'nichenko, S., Mirochuk, I. U. - Sawdust slabs in place of flooring manufactured by labor-consuming processes. p. 18.
- For sawdust-slag concrete slabs. p. 19.
- Reliable base for industrial construction; Republic-wide seminar on rural construction p. 20.
- Khomenko, V. - Durability of concrete in farm buildings and means for preventing its failure. p. 21.
- Bortnyk, S., Ludyk, L. - Hothouse construction in Bulgaria. p. 22.

**STROITEL' [THE BUILDER].** Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Tsentral'nyi komitet Profsojuza rabochikh stroitel'stva (promyshlennosti stroitel'nykh materialov) [State Committee for Construction of the U.S.S.R. and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, nos. 5-6, May-June 1965.

- STROITEL'NYE MATERIALY [BUILDING MATERIALS].** Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstro SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 11, no. 1, Jan. 1965.
- Table of contents translated:
- For radical improvement of the quality of production. p. 1.
- San'ko, L. A. - Institutes and plants. p. 2.
- Vorob'ev, Kh. S., and others. - Burning lime in suspension. p. 4.

- Pichugin, V. G., Chusovitin, G. A. - Optimal volume of natural stone blocks. p. 7.
- Alperin, V. I. - Translucent one-piece panels from glass reinforced plastics. p. 8.
- Lokumovich, L. M., Pollakov, B. S. - Improving the quality of bricks with dehydrated clay. p. 9.
- Sil'chenko, L. A., Mikhailov, N. V. - Sealing of lightweight and cellular concrete before heat and moist curing. p. 10.
- Ermolaev, P. S. - Determining the size of the sieve mesh of vibrating screens. p. 14.
- Ryb'ev, I. A. - Two major characteristics of the properties of materials with conglomerate-type structure. p. 17.
- Davidovich, A. P. - Reducing the cost of rock ducts. p. 19.
- Merkin, A. P. - Developing the production of cellular concrete. p. 22.
- Umanskiy, I. A. - Needs of rural brick plants. p. 24.
- Budnikov, P. P., Savol'ov, V. G., Petukh, I. M. - Properties of perlite from the Beragovo deposit. p. 24.
- Zhukov, A. V., Saritakov, I. U. A., Stobodanik, I. I. - Industrial use of heat insulating material from bloated perlite. p. 26.
- Artem'ev, V. M., and others. - Unit for producing bloated perlite at a rate of 20,000 cubic meters per year. p. 27.
- Lanketov, L. F. - Efficient drying of perlite products p. 28
- Spektor, B. V. - Thermal characteristics of fractionated perlite sand. p. 29.
- All-Union seminar of workers of the aluminum cement industry. p. 30.
- Vasil'kov, S. G. - Producing agglomerate from boiler slags. p. 31.
- Gurovich, V. G. - Standard design of gravel-sand plant. p. 32.
- Mikul'shchik, A. F. - Heat insulating material from local raw materials. p. 35.
- Milashovskii, I. I., Gornizkov, A. A. - Electric osmotic lubrication of stamps in sand casting. p. 36.
- Maldar, D., Krupa, A. - Bloated perlite in Malaya p. 37.

Vol. 11, no. 4, Apr. 1965.

- Table of contents translated:
- Accelerate to the utmost the putting into operation of new means of production. p. 1.
- Kinderavichius, V. S., Pakutskis, I. U. I. - Plans of indices for a shop producing large panels for apartment houses have been exceeded. p. 3.
- Zhdanov, G. P., Vorob'ev, A. N. - With the same equipment twice as much mineral wool. p. 4.
- Dil'dukovich, V. L., Robak, A. S. - Productive capacity of mineral-wool furnaces has grown. p. 5.
- Bakanov, N. I., Rachevskii, M. N., Rumiantsev, V. P. - Why there was a delay in the manufacturing of the production lines in Izlilim. p. 7.
- Nikolaev, K. N., Pogarskii, T. I. - Using polyacrylamide in the production of asbestos-cement products. p. 8.
- Meslinov, G. G. - Possibilities of precast casting in the production of precast reinforced concrete. p. 11.
- Blot, S. S., Karas', V. L. - Bitumino-latex emulsions for waterproof roofing. p. 13.
- Leonson, A. I., Buranuk, N. S. - Automating drying chambers at the "Stroitel'" Plant in Dnepropetrovsk. p. 15.
- Gershkovich, B. M., Chepik, N. V., Rozenberg, V. N. - New devices for testing synthetic materials. p. 17.
- Savkin, P. S. - Enriching limestone rock in air mass. p. 20.
- Volkov, I. A. V. - Example of a plant near Moscow. p. 22.
- Lokumovich, L. M. - Firing brick with precast fuel. p. 24.
- Rudkovskii, V. M., and others. - Producing pumice from the slag of ferroalloy plants. p. 25.
- Roznikov, I. N., Chorpak, L. L., Kiselev, N. A. - Producing pumice from waste slag of nickel smelting. p. 27.
- Budnikov, P. P., Gershkov, V. S. - Using aluminum-thermic slag. p. 30.
- Kukulin, I. I., and others. - Continuous-action furnaces for the production of mineral wool from molten blast-furnace slag. p. 32.
- New kinds of sanitary engineering equipment. p. 34.
- Batehov, S. M. - Interim conveyor for the production of perlite products. p. 35.
- Sarapin, I. G., Kondrat'ov, M. I. - Fixing the duration of the vibration compaction of keramzite concrete mixes during the casting of products. p. 36.

**TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY].** Organ of Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stву SSSR [State Production Committee for Transportation Construction in the U.S.S.R.]. Moscow, vol. 16, no. 4, Apr. 1965.

- Table of contents translated:
- Labor productivity is most important. p. 1.

- Grigor'ian, R.A., Tverskol, B.N. - Organization of operations according to a network graph. p.3.
- Alekseev, E.P. - Excavating by large-scale blasting. p.4.
- Pokhodilov, G.A. - Practices in the construction of pile foundations for the supports of overhead contact networks. p.6.
- Chalikov, A.A. - Problems in the assembling and symmetrization of main cables in an electrification section. p.8.
- IAkovlev, S.A. - Use of precast reinforced concrete in bridge building. p.9.
- L'vov, I.U.S. - Designing and building an aluminum bridge. p.11.
- Karasev, N.F. - Construction of a new section of the Moscow subway. p.14.
- Chechnokov, S.A. - Tunneling for the Aswan hydroelectric development. p.16.
- Vasil'ev, N.A. - Use of polyethylene pipes in hydraulic mechanization. p.20.
- Kolokolov, N.M., and others. - Tensioning of rod reinforcement of piling by the electrothermal method. p.22.
- Zub, N.I. - Effect of the length of the stemming of the borehole charge on the results of the breaking of the rock by blasting. p.25.
- Varnish, V.M., Bychkovskii, Z.M. - Practices in introducing bitumen-latex roofing. p.27.
- Bershtain, G.S. - They electrified the Karaganda - Tselinograd railroad line. p.29.
- Gushchenko, N.F., Kostishko, K.L. - Brigade works the new way. p.31.
- Listenko, G.F., Balashov, N.P. - Practices in the payment of wages for finishing work. p.33.
- Alferov, A.K. - Centralization of the technical maintenance of construction equipment. p.34.
- Dzhorbenadze, P.I. - Railroad to Siberian oil. p.36.
- Musienko, P.S., Litvinovskii, G.A., Vorisman, G.Z. - Main trends of technical progress in the development of stations and junctions. p.38.
- Mashkovich, O.N. - Efficient parameters of earthmoving machinery for transportation construction. p.40.
- Dogdanov, G.G. - Selecting the reinforcement for streams crossed by small bridges and pipes. p.42.
- Savol'tev, V.D. - Experimental study of the passive pressure of ground behind a slope. p.44.
- Marchenko, A.S., Mazurenko, L.V., Vasil'evskii, I.U.I. - Full-scale testing of embankment horizontal loading. p.45.
- UDovich, E.Z., Karpinskii, V.I., Palagin, E.V. - High-strength concrete from especially quick-hardening cement. p.47.
- Birukov, I.U.P. - Practices in maintaining a temporary ice crossing. p.50.
- Zhdanov, I.U.K. - Embankment strengthening asphalt topping for conditions existing in Siberia. p.51.
- VOPROSY GIDROTEKHNIKI [PROBLEMS OF HYDRAULIC ENGINEERING].** Issued by Sredneaziat'skii nauchno-issledovatel'skii institut vodnykh problem i gidrotekhniki [Central Asiatic Scientific Research Institute of Water Problems and Hydraulic Engineering]. Tashkent, no.22, 1965.
- Table of contents translated:
- Dulatov, U.I.U. - Overall mechanization of operations in the irrigation of Soviet Central Asia. p.5.
- Oshovskii, E.M. - Mechanical compaction of soils in drainage trenches. p.22.
- Ostrovskii, E.M. - Investigating a continuous-action tamponing assembly for the compaction of intrafarm canals. p.35.
- Abdrakhodjaev, A. - Mechanization of the compaction of soils in canals. p.43.
- Eromenkov, A.G. - Raising a liquid with an open belt. p.51.
- Omelin, N.N. - Selecting sinking and artesian pumps for vertical drainage. p.54.
- Belinskii, G.M. - Investigating the organization and the operation of the remote-controlled sectors of drillholes for water. p.67.
- Gartung, A.A., Khamadov, I.B. - Results of investigations of automatic radial tailwater gates. p.76.
- Dulatov, U.I.U., Sarukhanov, P.I.A. - Mechanical soil sampler for taking deep samples of undisturbed soil in order to determine its bulk density. p.86.
- ZHILISHCHNO-KOMMUNAL'NOE KHOZIAISTVO [HOUSING AND COMMUNAL SERVICES].** Issued by Ministerstvo kommunal'nogo khoziaistva RSFSR and TsK Profsojuza rabochikh kommunal'no-bytovykh predpriatii [Ministry of Communal Services of the R.S.F.S.R. and the Central Committee of the Trade Union of Workers of Communal Service Enterprises]. Moscow, vol.15, no.1, Jan. 1965.
- Table of contents translated:
- Toward new successes! p.1.
- They are inscribed in the book of honor. p.2.
- Kudrysh, T. - Half a century in the street railway service. pp.3,7.
- Rubnyko, V. - Everything is in the power of a friendly collective. p.4.
- TSukerman, A. - Community of Vorkuta at work. p.8.
- Fedenev, I. - Oldest city in the Urals grows young again. p.9.
- Kagan, Sh. - Our street's festival. p.14.
- Prokhorova, T. - Workdays of an apartment house manager. p.15.
- Popov, I. - Twenty thousand suggestions and recommendations. p.16.
- For the improvement of public facilities in rural settlements. p.18.
- Republic-wide inspection of inventions and industrial efficiency. p.20.
- Egorov, V. - Semiautomatic shower-bath devices. p.20.
- Kramarenko, L. - Mechanizing the painting of façades with aqueous compositions. p.21.
- Poryval, G. - Muscovites set the course. p.22.
- Panosian, G. - Problem deserves attention. p.23.
- Burnasov, R. - New machinery in gas service. p.24.
- Make efficient use of electric power. p.26.
- Grigor'kina, N. - Dry-wet method of storing coagulants. p.27.
- Trifonov, V. - Rolling stock should operate safely. p.28.
- Popov, V. - Advantages of the general mechanization of track work. p.29.
- Dubrovina, E., Spokor, M., Starostin, I.U. - Polymers as fillers of joints in reinforced concrete road surfaces. p.31.
- Wages of workers in the gas industry. p.32.
- Batygin, K. - Right to temporary disability benefits. p.34.
- ZHILISHCHNOE I KOMMUNAL'NOE KHOZIAISTVO [HOUSING AND COMMUNAL SERVICES].** Issued by Ministerstvo kommunal'nogo khoziaistva RSFSR and TsK Profsojuza rabochikh kommunal'no-bytovykh predpriatii [Ministry of Communal Services of the R.S.F.S.R. and the Central Committee of the Trade Union of Workers of Communal Service Enterprises]. Moscow, vol.15, no.4, Apr. 1965.
- Table of contents translated:
- Let us fulfill ahead of schedule the plan for 1965, the concluding year of the seven-year plan. p.2 of cover.
- Stepchenko, P. - Order of Lenin station. p.4.
- Erofeev, F. - Shushenskoye today. p.8.
- Volgarev, A. - Dear to everyone's heart. p.7.
- Gantushin, A. - First in the world. p.8.
- Kochenov, N. - Lenin's grandchildren live here. p.9.
- Makhmurovskii, I. - Provide new and modern machinery for the communal economy. p.10.
- Anisimova, I. - Put industrial safety under the control of the workers' community. p.12.
- Strengthening control by plant and local committees of trade unions over the observance of the law in the dismissal of workers and employees. p.14.
- Konstantinov, V. - Obtaining the greatest results with the least expense. p.15.
- Tikhonovich, V., Eremeev, V. - Greater support and attention to public economic organizations. pp.18,21.
- Moisse, N. - Park or square for every village. p.17.
- Planting of trees and shrubs in rural settlements. p.18.
- Shulenin, M. - Construction projects of a state farm. p.20.
- Fal'sberg, A. - Problems in methods of analyzing the use of the capital assets of communal enterprises. p.22.
- Reznik, A. - Ungrounded inferences. p.24.
- Sivortsova, Z. - Calculating the cost of transportation. p.25.
- Golubinskii, A. - Constructing physical culture areas in microdistricts and residential sections. p.28.
- Strashnov, G. - Look after the children. p.28.
- Prishkin, V. - Window and balcony plantings. p.30.
- New wage rates for operators of heating boilers. p.33.
- Some problems in the improvement of the wages of workers in housing management. p.34.
- Ostrovskii, G.M. - Method for optimal system design. p.438.
- Ponomarev, I.U.V., Stratonovich, R.L. - Solution of a diffusion alternative equation by means of total derivative equations. p.443.
- Emel'ianov, S.V., Fedotova, A.I. - Astatic reproduction of transcendental functions using servo systems with variable structure. p.454.
- Kazakov, I.E. - Statistical analysis of systems with multidimensional nonlinearities. p.463.
- Kichatov, I.U.F. - Determination of nonlinear characteristics of control objects with gaussian input actions. p.470.
- Kuchenko, V.I., Mitulrina, V.E. - One method for constructing adaptive systems with stabilization of frequency characteristics. p.475.
- Medvedev, G.A. - Analysis of discrete Markovian systems by means of stochastic graphs. p.485.
- Aleksandrov, V.M., and others. - Study of the accuracy of nonlinear nonstationary systems using a statistical linearization technique. p.492.
- Raibman, N.S., Terekhin, A.T. - Dispersion methods of random functions and the application to the study of nonlinear control objects. p.500.
- Tal', A.A., Gusev, L.A. - Possibility for constructing algorithms of abstract synthesis of sequential machines in questionnaire language. p.510.
- Vakarov, V.V. - Tests for nonrepetitive switching circuits. p.521.
- Venchikovskii, L.B. - Effect of pulse noises on a threshold-type remote control receiver. p.525.
- Kubyshin, B.E., Lipkovskii, K.A., Mikhailovich, G.A. - One method for eliminating idle operation current in a magnetic amplifier. p.532.
- Volik, B.G. - Dynamic characteristics of a pipeline included in the control stage of a thermal process. p.539.
- Krasovskii, A.A. - Entropy stability of dynamic systems. p.545.
- Belkin, I.G., Panoliti, B.N. - Bases of a method of combined derivatives. p.548.
- Vol'skii, V.E. - Method for constructing matrices of state of intermediate elements in the synthesis of multielement switching systems. p.551.
- Kantorovich, A.B. - Special feature of the characteristics of optimal servo systems. p.559.
- TSodikov, I.U.M. - Study of a wire generator. p.558.
- Akhundov, S.F., Il'in, V.A. - Experimental study of pulse-type bridge components. p.563.
- Kel'mans, A.K. - Analysis of network reliability. p.567.
- Vol.28, no.4, Apr. 1965.
- Table of contents translated:
- IAkovlev, V.A. - Method of matrix inequalities in the theory of the stability of nonlinear regulated systems. Part 2. Absolute stability in a class of nonlinearity with derivative condition. p.577.
- Naumov, B.N. - Study of the absolute position stability in nonlinear automatic control systems using logarithmic frequency characteristics. p.591.
- Kolosov, G.E., Stratonovich, R.L. - Optimum control quasiharmonic systems. p.601.
- Baranov, A.I.U., Khomentuk, V.V. - Solution of a linear problem on minimizing the square functional in Hilbert space. p.615.
- Mil'shtein, G.N. - Optimum realization of trajectories. p.621.
- Rozenberg, G.S. - Design of optimal pursuit trajectories. p.629.
- Pavlov, A.A. - Optimal processes in systems whose transfer functions contain zeroes. p.634.
- Rutkovskii, V.I.U. - Transient processes in non-search type adaptive systems with a model and slowly varying control action. p.642.
- Raevskii, S.L.A. - Orthogonal representation of random functions in statistical dynamics of automatic control systems. Part 1. p.654.
- Romanov, V.A. - Multidimensional control in complex industrial plants with consideration of the invariance of the quality of the final product. p.663.
- Nikitin, N.P. - Break in the tracking of an automatic phase frequency control circuit. p.669.
- Tal', A.A. - Abstract synthesis of sequential machines by answers to the questions of the first type of a questionnaire language. p.676.
- Borovikov, V.A., Bryzgalov, V.I. - Simplest symmetrical game of many automata. p.683.
- Alekseev, S.V. - Method for using the natural fluctuations in the automatic search of extremum for objects subject to optimization containing control systems. p.688.
- Zubova, A.F. - One method for calculating the reliability of redundant systems. p.705.
- Berulava, R.G. - Reliable high-frequency dynamic transistor trigger circuit. p.712.
- Polonnikov, D.E. - Method for determining the phase frequency characteristics of a system using logarithmic amplitude-frequency characteristic with random slope of its individual sections. p.721.

## ELECTRICAL ENGINEERING

## \* AVTOMATIKA I TELEMEXHANIKA [AUTOMATIC AND REMOTE CONTROL]. Issued by Institut avtomatiki i telemexhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.20, no.3, Mar. 1965.

- Table of contents translated:
- Gelg, A.Kh. - Absolute stability of nonlinear regulated systems with distributed parameters. p.401.
- Moroz, A.I. - Synthesis of a third-order control system with optimum response for linear discrete objects. Part 2. p.410.
- Vinogradov, V.N. - Synthesis of a certain class of optimal systems with consideration of the limitation of the controlling action. p.427.



- Prokof'ev, V.N. - Remarks on P. F. Klubnik's article "Combined servo systems with two drives" Rutman, R.S. - Sensitivity of automatic control systems. p. 730
- AVTOMATYKA [AUTOMATIC CONTROL]** Issued by Institut kibernetiky Akademii nauk USSR [Institute of Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 10, no. 1, 1965.
- Table of contents translated:
- Dukhovny, M.A., Falshtein, E.H. - Evaluation of the optimum order of approximation of the input function of a trigonometric polynomial. p. 3.
- Zhuk, K.D. - Controlling models in multivariable systems. p. 9.
- Novikov, A.V., Nedavni, V.S. - Semigraphical method for constructing a transient response curve of an automatic control system with a digital computer in a closed circuit. p. 20.
- Savin, O.R., Chertkov, I.A. - Determination of an optimizing control indicator and the algorithm of the computer system of an optimizing controller of inertial members. p. 26.
- Trakov, T.P., Hunchov, L.A., Maranzhiov, S.V. - Synthesis of a high-quality automatic control system using a model with satisfaction of the invariance principle. p. 35.
- Iastrebenetskiy, M.O. - Region of the linearity of the characteristics of nonlinear automatic control system. p. 42.
- Georgieva, V.B. - Synthesis of reliable systems from unreliable elements using a feedback method. Part 1. p. 49.
- Kerekesner, I.P., Voronova, L.I. - Simulation of a corrector like an optimizing controller without trial motions. p. 58.
- Bolyshevskiy, A.D. - Power supply of the executive links of a high-speed print-out device from an a.c. network. p. 65.
- Boichuk, L.M. - Correlation recorder with statistical averaging. p. 71.
- Didyk, B.S. - Synthesis of optimal automatic systems using a dynamic programming method. p. 75.
- Didyk, B.S. - Two systems of discrete telemetering. p. 81.
- Novikov, V.S., Novikov, V.S. - Determination of the reliability of automatic control systems. p. 85.
- Chekhoviy, I.U.M. - Two algorithms for the cognition of industrial situations. p. 89.
- O.M. Krizhanovskiy, on his 50th birthday. p. 92.
- Seminars, conferences, and meetings on cybernetics and automation in 1965. p. 93.
- Vol 10, no. 2, 1965
- Table of contents translated
- Barvinsky, L.L. - Reduction of the idle time of equipment resulting from efficient design of operational control systems. p. 3.
- Dotsenko, O.I. - Radical method for the synthesis of an automatic controller. p. 8.
- Zaitseva, I.E. - Stability of multiloop automatic systems with special functional coupling superposed on the controlled coordinates. p. 17.
- Kostjuk, V.I. - Optimizing control without search oscillations using adaptive plant models. p. 21.
- Tunlik, A.A. - Calculation of fluctuation error in sampled-data optimizing control systems with synchronous detectors. p. 29.
- Zaitsev, V.H., Tymofeev, B.B. - Recognition of speech. p. 38.
- Sobornikov, I.U.P. - Three-valued parametron logic in Post's algebra. p. 45.
- Hrezdova, P.A., Karlashov, V.I. - Construction of a control automation using ferrite-translator elements. p. 54.
- Krotenko, V.P. - Regulated four-hole ferromagnetic element. p. 61.
- Zakrebel'nyi, V.I. - High accuracy control of the angular velocity of an electric drive. p. 69.
- Otkhizuri, H.L. - Operational reliability of cognitive systems with positive feedback. p. 78.
- Pavlov, V.V. - General problems of invariance and autonomy in essentially nonlinear automatic systems. p. 78.
- Shov, B.O. - Errors of a linear interpolator based on a digital integrator with parallel transfer. p. 81.
- Podlypennyy, V.S. - Remarks on S.H. Caldwell's book "Switching circuits and logical design." p. 85.
- Chekhvii, I.U.M. - Possibility of constructing optimizing controllers without trial steps in the plant. p. 90.
- ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]** Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 36, no. 4, Apr. 1965.
- Table of contents translated:
- Drobyzhev, A.I. - Effectiveness of capital investments and use of new equipment in power engineering. p. 2.
- Ostrovskiy, L.A., Melnik, M.V. - TFP-200 boiler for a 800 Mw block. p. 6.
- Shvarts, A.L., Kuz'min, V.V. - Hydraulic characteristics of the heating surfaces of once-through type boilers with supercritical steam parameters. p. 14.
- Berezina, T.G. - Scale formation on superheater pipes of boilers with increased and supercritical steam parameters. p. 20.
- Sutotkii, G.P., Shchelokov, I.A.M. - Effect of salt content of boiler water on the hydraulic resistance of boiler stages. p. 24.
- Ol'khovskiy, G.G., and others. - First results of the adjustment and operation of a gas turbine system with 28 Mw rating. p. 27.
- Bronshteyn, A.Sh. - Continuously operating gas analyzer for determining chemically incomplete combustion. p. 32.
- Elizarov, D.P., Fedorovich, L.A., Iasin, S. - Stresses during the heating of thick-walled flanges of main steam pipes. p. 38.
- Glushkov, V.D., Krasovskiy, B.M. - Calculational relationship between consumer loads and heating loads in the solution of problems in centralized control of central heating systems. p. 42.
- Zalka, A.A. - Special features and operational methods of a volunteer design bureau and economic analysis in electric power plants. p. 43.
- Morozov, I.V. - Electrical section of the reactor of the first atomic power plant. p. 45.
- Poliak, N.A. - Preliminary evaluation of the carrying capacity of an intersystem electric transmission line. p. 49.
- Egorov, V.M., Dovzhik, L.B. - Choice of selenium devices for supplying power to switch drives. p. 53.
- Vokalek, I.A., and others. - Discharge voltages of line insulation during switching surges. p. 55.
- Tsirel', I.A.A. - Installation of subfoundation-type grounding systems. p. 63.
- Zelidzon, E.D. - Features of using automatic reclosing with retention of synchronism. p. 68.
- Drozdoz, A.D., Platonov, V.V. - Increase of the sensitivity of the differential protection systems of transformers. p. 71.
- Bellayev, V.B., Vesolov, E.A. - Prevention of increased vibration of bearings during the start of generators. p. 76.
- Rozanov, M.N., Lenin, V.I. - Carrying capacity of electric power transmission lines from electric power plants. p. 70.
- Korotenko, A.M. - A case of the buckling of the rotor of a steam turbine and methods for preventing it. p. 77.
- Brimerberg, V.P. - Enclosed 154 kv. power distribution system of the Kakhovka Hydroelectric Power Station. p. 79.
- Shablin, N.S. - Author's reply to remarks on the article "Technical and economic effectiveness of overall automation and remote control in electrical power distribution networks." p. 81.
- Barkan, I.A.D. - Effectiveness of reverse operation counter relays on 35 and 110 kv. transformers. p. 83.
- Kuznetsov, I.U.A., Nekrasov, A.S., Nikonov, A.P. - Use of mathematical modeling techniques in the comparison of composite and separate power distribution networks. p. 88.
- Kuklinskiy, A.L. - Concerning V.A. Vershkov and E.E. Glebov's article "Choice of climatic design data for 500 kv. long-distance power transmission lines." p. 87.
- New books. p. 88.
- Splicing of AS-10, AS-16, AS-35, AS-50, AS-70, and AS-95 steel-stranded aluminum wires using a twist method simultaneously with an oval connector. p. 89.
- Fourth All-Union Public Review of the Fulfillment of Research Plans and Use of Scientific and Technological Innovations in the National Economy. p. 90.
- Twenty-fifth anniversary of the Department of Automatic and Remote Control and Start Regulating Operations. p. 91.
- P.B. Rustam-zade; obituary. p. 91.
- Bogdanov, Y.E. - Patent information should serve technological progress. p. 92.
- Effective instructions on overvoltage protection of 3-500 kv. a.c. systems. p. 94.
- \* **ELEKTRICHESSTVO [ELECTRICITY]** Organ of Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 3, Mar. 1965.
- Table of contents translated:
- Chilikin, M.G., Petrov, I.I., Voronetskiy, B.B. - Trends in the development of automated electric drives. p. 1.
- Maevskiy, O.A. - Determination of power relationships and vector power in the rectifiers of converter systems. p. 7.
- Koitenko, M.V., Kaidanov, F.G., Perel'man, L.S. - Precise determination of wave parameters and analysis of error in solving telegraph equations using the example of a two-wire power transmission line. p. 15.
- Skorovarov, V.E. - Operation of the rectifiers in autonomous inverter circuits with increased frequency. p. 21.
- Akodie, M.M., Gel'man, M.V. - Use of regulated, ion rectifiers in ultrasonic frequency converter networks. p. 26.
- Iakovlev, V.I., Vul', I.U.A., Tiukov, R.A. - Efficient system for regulating electric excavator drives. p. 30.
- Gurevich, I.U.E., Kluchaturov, A.A. - Study of the operational stability of asynchronous motors with asynchronous system operation. p. 35.
- Iakovlev, A.I. - Study of heat distribution in the rot of asynchronous motors with squirrel-cage rotors. p. 42.
- Karpenko, B.K., Ivanova, I.G. - Design of the magnetic circuit of a motor with printed winding. p. 44.
- Shneider, G.I.A. - Oscillations in transformer windings caused by breakdown in the longitudinal insulation during impulse tests. p. 52.
- Bul', B.K. - Calculation of the parameters of an excitation coil taking into account a short-circuited turn and upper harmonics. p. 58.
- Rekus, G.G., Belousov, A.I. - Heating of the asynchronous motors of sinking pumps. p. 62.
- Pecheritsa, S.P. - Calculation of the magnetic field of an asynchronous motor taking into account the toothed structure of the stator and rotor. p. 64.
- Brakman, Kh.I. - Determination of the maximum design factor taking into consideration heat breakdown of the insulation of the conductors. p. 70.
- Barashchavskiy, G.G. - Electromagnetic moment of a reactive machine. p. 74.
- Rudakov, V.N. - Magnetic field of a cylinder with finite length. p. 78.
- Bilik, N.I. - Calculation of voltage inequality "weighted" in accordance to power. p. 80.
- Jonkin, P.A., Mel'nikov, N.A. - Some remarks on the structure of the course "Theoretical principles of electrical engineering." p. 83.
- Didorenko, I. - Some remarks on textbooks on the theoretical principles of electrical engineering. p. 84.
- Neiman, L.R. - Effect of the results of a discussion on the content and presentation of a course in "Theoretical principles of electrical engineering" in the program of this course. p. 85.
- Polovoi, I.F., Pechenkin, I.D. - Lightning protection of rotating electrical machines. p. 87.
- Burgasov, V.V., Muravieva, N.V. - Reply of the authors. p. 87.
- Bogatov, O.M. - Khvostov's universal formula. p. 88.
- Rusin, I.U.S. - Approximate calculation of capacitance between an electrode with random form and its encompassing sphere. p. 89.
- Aleksenko, G.V., and others. - Professor V.S. Tul'ko; on his 60th birthday. p. 90.
- Neporozhni, P.B., and others. - P.I. Voevodin, obituary. p. 90.
- Veshenevskiy, B.N., and others. - Professor K.V. Urnov; obituary. p. 91.
- Sergeev, A.S. - Dissertations for the degree of candidate of technical sciences. p. 92.
- Mamikonian, L.G. - "Electromagnetic transients in electrical systems" by S.A. Ul'ianov. p. 93.
- Louis de Broglie. - Preface to P.I. Kuznetsov and R.L. Stratonovich's book "The Propagation of electromagnetic waves in multiconductor transmission lines." p. 94.
- New books. p. 95.
- No. 5, May 1965.
- Table of contents translated:
- Gorbunova, L.M., and others. - Analog computer for studying electromechanical transients in electric power systems. p. 1.
- Zhukov, L.A., Zolov, V.I. - Effect of nonsymmetry and intermediate load impacts on the stability of intersystem couplings. p. 7.
- Satarov, V.A. - Use of dual networks for calculating short-circuit to ground currents. p. 12.
- Mel'nikov, N.A., Vainshtein, L.M. - Possibility of replacing networks with mutual inductance. p. 16.
- Kraichik, I.U.S. - Use of characteristic functions in the calculation and study of the operation of electrical networks. p. 19.
- Veksel'man, O.G. - Mean operating voltages of steel-stranded aluminum wires. p. 23.
- Bragin, S.M., Fedosenko, R.I.A., Volkov, M.I. - Permissible loads of power cables with viscous impregnating compounds. p. 30.
- Barkan, I.A.D. - Use of tunnel diodes in automatic control systems. p. 35.
- Chernikov, G.B. - Protection of short-circuits to ground of a generator rotor with valve excitation. p. 38.
- Bobrikov, S.A., Somov, V.A., Shut', V.V. - Arc-quenching coil with smooth regulation. p. 44.
- Porosov, V.M. - Transistorized stabilized key rectifier. p. 48.
- Bal'shtits, A.A. - System of rotor electrodes and current of the main circuit of a capacitive d.c. induction machine. p. 53.
- Pilipenko, A.P. - Equilibrium characteristics of bridge-type measuring circuits. p. 59.

- Milkevich, A. V. - Accelerated method for testing permanent magnets on the stability in respect to time p.64.
- Rubinshteyn, A. M. - Contactless system for exciting synchronous motors machines with silicon rectifier control p.67.
- Ulanitskii, M. N. - Thermal design of closed electrical machines with natural cooling p.71.
- Zisman, Sh. I. - Magnetic grain-oriented alloy with constancy of permeability in a wide range of fields and permeability level. p.73.
- Mendelevich, G. Sh., Samarin, V. V. - Graphical method for solving the equations of state of a wire in a span. p.78.
- Makushkin, I. A. G., Kuznetsov, N. D., Vikhorev, I. A. - Experience in operating the ANRAN-IV analog computer system of the Ural Centralized Power Production, Distribution and Control Administration. p.79.
- Gorenshstein, M. D. - Raising the frequency of a.c. and determination of its optimum value for long-range electrification of the U.S.S.R. p.81.
- Konstantinov, B. A. - Study of the special features of electrical conductivity of the human body. p.84.
- Kalachikhin, A. F. - Calculation of the stress of an electrical field in an cylindrical condenser p.87.
- Katalov, G. M., Volobrinakii, S. D., Klein, P. N. - Reply to D. S. Livshits's remarks on the discussion on the methodology for determining the loads of industrial electrical distribution networks of plants. p.88.
- Burgsdorf, V. V., and others - L. G. Mamikonants; on his 50th birthday and the 30th anniversary of his scientific and practical work p.90.
- Abelshvili, L. G., and others. - In memory of S. P. Kirkesail. p.90.
- Dobromyslov, I. I., Tverdin, L. M., Kruglanekii, I. M. - Scientific and technical seminar "Semiconductor power converters and their use in present-day automated production processes." p.91.
- Sergoov, A. S. - Dissertations for the degree of candidate of technical sciences. p.93.
- Fifth All-Union Scientific and Technical Conference on the Use of Computer Techniques in the Automation of Production p.95.
- Kuchina, K. G., Vasin, N. G. - Review of B. P. Petrov and A. D. Stepanov's book "Electrical equipment and automation of electric rolling stock." p.95.
- \*ELEKTROSVIAZ' [TELECOMMUNICATION].** Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radioelektriki i elektrosvazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific Telecommunication]. Moscow, vol. 19, no. 4, Apr. 1965.
- Table of contents translated:
- Zaoznyi, A. M., Khanovich, I. G. - Comparative characteristics of communication systems. p.1.
- Dolukhanov, M. P. - Physical content of the entropy concept in the information theory. p.9.
- Iampolskii, V. G. - Linear antennas with a low side lobe level p.15.
- Kantor, L. A. - Effect of fluctuation noise on an FM tracking receiver. p.23.
- Movstovitch, M. E. - Influence of heterodyne noises on the value of the noise coefficient of diode frequency converters. p.31.
- Birukov, V. A., Kim, L. T., Rapoport, E. Z. - Principles of construction of the V-2 apparatus for multiplexing rural communication lines. p.38.
- Farber, I. D. - Dispersion of the fading of the amplifying sections of coaxial cables. p.48.
- Pankratov, V. P. - Standardization of the phase distortion of channels for discrete signal transmission. p.50.
- Tsikhli, A. B. - Method for statistical analysis of the characteristics of telegraph communication channels by means of digital computers. p.62.
- Nazarova, L. G. - Amplification losses of antennas during long-distance tropospheric propagation. p.71.
- Cherne, Kh. I. - Determination of the parameters of the cascade connection of single four-terminal networks. p.76.
- Teterov, V. N. - Composite method for detecting speech signals with a background of smooth distortions. p.78.
- A. A. Kharkovich, obituary. p.80.
- Vol. 19, no. 5, May 1965.
- Table of contents translated:
- Brenov, I. V. - Seventieth anniversary of radio communications. p.1.
- Levin, G. A., Bonch-Bruевич, A. M. - Means for constructing detectors with self-optimizing the threshold level in receiving systems in radio communication. p.7.
- Zolent, A. P. - Use of a system of parallel operating resonators in the suppression of impulse noise in radiotelephony. p.15.
- Shloma, A. M., Vol'pian, V. G. - Synthesis of selective systems with smoothly regulated passband and constant phase-frequency characteristic. p.20.
- Anisimov, V. I. - Operational instability of transistor amplifiers with direct d.c. feedback. p.30.
- Roditi, V. V. - Interference rejection of radiobroadcast receivers at the power supply end. p.38.
- Arkhangelskaya, A. A., Ershov, V. A., Roginskii, V. N. - Principles of the construction of a unified system "multiplexing - switching." p.40.
- Ol'derogge, G. B., Mel'nikov, I. N. - Some problems of interference rejection in the transmission of digital information in presence of group errors p.50.
- Amarantov, V. N., Sverdlov, M. P. - Transistorized voice-frequency telegraphy apparatus with frequency modulation p.57.
- Solov'ev, N. N. - Tolerances for "aging" and reliability of the components of complex communication systems. p.64.
- Ivanov, M. T., Zolotchkovskii, E. A. - New system of electronic switching with program control. p.69.
- Karelin, N. M. - Distortion of radiotelegraphy signals with phase keying due to Doppler effect p.77.
- State of the Fourth All-Union Public Review of the Fulfillment of Research Plans and Use of Scientific and Technological Innovations in the National Economy. p.79.
- New books. p.3 of cover.
- Vol. 19, no. 6, June 1965.
- Table of contents translated:
- Nazarov, V. I. - Reception of the signals of a binary relative phase telegraphy system with a "rotating phase." p.1.
- Kozlenko, N. I. - Interference rejection of the transmission of clipped speech signals using a phase telegraphy method. p.10.
- Shakhgildian, V. V. - Effect of a phase modulated reference signal and noise on an automatic phase frequency control system. p.10.
- Parkov, L. P., Zamir, A. S., Shapovalov, I. F. - Nature of the distribution of errors in telephone channels with discrete signal transmission. p.31.
- Ostapenko, V. G. - Study of processes in linear systems using Fourier series and theorems of the convolution of periodic functions. p.42.
- Reshetnikov, N. V. - Determining the hour of the maximum load in municipal telephone stations. p.51.
- Livshits, B. S., Khanin, G. B. - Crossbar type automatic telephone exchanges with small and medium capacity. p.57.
- Mikhaitov, M. I., Sokolov, S. A. - Lowering of the costs of the protection systems cable lines from direct lightning strokes. p.68.
- Znamenskii, A. E. - Pulse signal transmission channel with frequency limitation of the lower level. p.70.
- Levin, B. P., Fomin, I. A. A. - Dispersion of the time modulation of coincidence pulses in presence of a strong signal. p.72.
- Zluzev, N. F. - Spectrum of a phase keyed signal at the output of an ideal amplitude limiter. p.74.
- Semeniuta, N. F. - Synthesis of band-type phase inverters. p.75.
- Kuznetsov, V. V., Kislik, V. V. - Study of the propagation of a television signal in mountainous areas. p.78.
- ELEKTROTEKHNIKA [ELECTRICAL ENGINEERING].** Issued by Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 35, no. 11, Nov. 1964.
- Table of contents translated:
- Kurnosov, B. D. - Operation of silicon power rectifiers at increased frequencies. p.1.
- Zisman, L. S. - Operation of germanium transistors with short-term duration overloads. p.6.
- Lodochukov, E. A., Luk'ianchuk, V. P., Kufa, V. A. - Factors determining the unit power of large capacitive generators. p.8.
- Khelifa, E. B., and others. - New design of a reversing switch for electric rolling stock and diesel locomotives. p.11.
- Kulikovskaya, N. M., Aksenov, M. I. - Overvoltage in the electrical equipment of a streetcar. p.13.
- Nikolaevskaya, N. E., Tomikhanovich, D. K. - Overvoltages and protection from them in the traction substations of municipal electric transport systems. p.16.
- Voronkov, F. F. - Removal of dust from the cooling systems of main line electric locomotives. p.19.
- Ivashin, V. V. - Commutation of impulse currents with large amplitude and duration. p.21.
- Tsukernik, S. V., Kholepova, Z. I. - Selection of the class of heat resistance of the insulation of low-voltage electrical machines. p.23.
- Fomenko, S. A., and others. - Some problems of the terminology of the windings of electrical machines. p.28.
- Kurbatov, N. D., Gurevich, A. S. - Mechanical reliability of communication cables. p.30.
- Moiseev, M. B., Poltav, A. I. - Heat emission from the surface of current conductors in electron gas. p.32.
- Popov, I. A. - Autonomous asynchronous generator with excitation from variable condensers p.41.
- Khachatryan, S. L. - Calculation of magnetic fields in the working gap of a salient-pole synchronous machine p.47.
- Lapides, Sh. I., Zaks, M. I. - Design of welding transformers with magnetic shunt and partial spread of the winding. p.49.
- Goriagin, V. F., Brovkin, S. D., Povolotskii, M. E. - Special features in the design of large explosion-proof short-circuited asynchronous motors p.52.
- Agul, I. A., Parshikova, E. V., Dasolun, M. A. - Comparative study of some expanders of the negative electrode of a lead storage battery p.55.
- Kossov, O. A., Tsokanov, V. V. - Special features of the operation of a low power synchronous motor fed by a transistorized inverter with regulated frequency. p.57.
- Fetisov, V. V., Lamberg, I. A. - Choice of the parameters of three-way singularly short-circuited loop windings of d.c. machines. p.59.
- Zhils, M. Z. - Review of A. P. Prolygin's book "Electrical apparatus of municipal electrical transport." p.63.
- Dokuchaev, V. I., Zaev, N. E. - Behavior of the lines of force of a rotating electromagnet. p.64.
- Vol. 38, no. 3, Mar. 1965.
- Table of contents translated:
- Lidorenko, N. S. - Chemical electronics. p.1.
- Lidorenko, N. S., and others. - Electrochemical transducers for the reception of acoustical signals and measurement of small displacements. p.3.
- Bertimov, A. L., Alievskii, B. L., Khan, V. Kh. - Unipolar generator with liquid metal slip ring. p.6.
- Bogdanov, A. A. - Sinking pump motors for use in petroleum production. p.9.
- Semak, V. G. - Determination of the resulting magnetic flux in the air gap of d.c. machines. p.12.
- Khliterer, M. A. - Replacement of copper windings with aluminum ones in low power motors. p.13.
- Metelkin, B. A. - Use of electronic current commutation in full-wave rectifier circuits with zero output. p.15.
- Nazarov, I. G. - Design of phase sensitive circuits with diodes. p.18.
- Baranova, E. G., Brudnyi, B. P., Vartanov, Z. B. - Special machine for regulating the charging of a blast furnace. p.22.
- Mekler, I. A. I. - Series of contactless logical elements for the automation of industrial objects. p.25.
- Grinshtein, V. I., Llamets, I. A., Polakov, G. P. - Contactless relay of active back current. p.29.
- Smaga, N. N., Namitkov, K. K., Nemov, V. V. - Study of stresses and displacements in the poles of automatic switches during short circuits p.31.
- Melashenko, I. P., Volk, A. S. - Study of overheating and transient impedances of 50K-15 and 50H-10 metal ceramic conductors in short-term and continuous operation. p.34.
- Murav'eva, E. M., Povolotskaya, M. D. - Compositions: silver, zinc oxide, and silver and lead oxide obtained by an oxide annealing method. p.37.
- Matskevich, L. N. - Methods for measuring 10% multiples of current transformers. p.40.
- Lifanov, V. A., Shemaklin, V. F. - Device for the experimental study of synchronous micromotors. p.42.
- Beldiman, N. F. - Calculation of the trigger resistors of the rotor of an asynchronous motor. p.44.
- Kravtsov, S. F., Pohnitskii, K. A. - Thermal calculation of resistors operating in a short-term mode. p.47.
- Kodner, I. N. - Selection of the length of solid pole pieces of synchronous motors and distances between the segments of the damper cells. p.50.
- Murakhovskaya, M. A. - Dispersion inductance of windings on different transformers cores. p.52.
- Dikarov, E. A. - Dynamic properties of an amplidyne with a separated magnetic circuit. p.54.
- Shneider, G. I. A. - Selection of defect registering circuits for use in pulse tests of transformers. p.57.
- Fridman, G. N. - Physics of the slip contact of d.c. machines with silicon organic insulation. p.61.
- Puchkovskii, V. V. - "Oil saturated paper insulation in high-voltage structures" by M. A. Greisukh and others. p.3 of cover.
- ENERGETIK [ELECTRIC POWER TECHNICIAN].** Issued by Gosudarstvennyi proizvodstvennyi komitet po energetike i elektifikatsii SSSR and Tsentral'nyi komitet Profsoyuzna rabochniki elektrostansii i elektropromyshlennosti [State Production Committee for Power and Electrification of the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 13, no. 2, Feb. 1965.
- Table of contents translated:
- Komarov, D. T. - Reliable power supply of rural areas. p.1.
- Kirillov, I. A. - Experience in the operation of a hydraulic ash removal system. p.5.

- Maikus, A. A. - Adjustment of multiple-jet burners manufactured by Moscow Gasworks. p. 8.
- Konogod, L. V., Safin, R. N. - Testing of an equalizing vessel for controlling the level in a boiler drum. p. 9.
- Rakhman, A. D. - System for steam take-off from the B-4000 turbine of an electric power plant mounted on railroad cars. p. 12.
- Present-day gas analysis methods. p. 13.
- Umrikhin, D. G. - Hydraulic steam pressure governor. p. 14.
- Vdovin, L. A., Lubegin, A. S. - Drilling of holes in glass. p. 16.
- Iasinskii, P. A. - Concerning V. P. Shafraunov's article "Use of asynchronous motors." p. 17.
- Sharafudinov, M. N. - Concerning the article "New method for operating storage batteries in electric power plants and substations" by D. A. Fuks and others. p. 17.
- Ankelevich, I. U. S. - Control and automatic protection circuits of 110/35/6 kv substations. p. 18.
- Gapeev, V. V., Tochilkin, V. N. - Blowing-through of the steam pipes of a 300 thousand kw. block. p. 20.
- Installation of fuses. p. 28.
- Shirokov, A. I. - Classification of electricians. p. 28.
- Zinger, N. M. - Jet-type preheaters. p. 28.
- Through the pages of technical journals. p. 29.
- New relays and protection units. p. 30.
- Vol. 13, no. 4, Apr. 1965.
- Table of contents translated.
- Steklov, V. I. U. - According to Lenin's plans. p. 1.
- Voller, V. N., Kirakosians, G. A., Levin, D. M. - Water system for steam turbine control. p. 6.
- Umrikhin, D. G. - Removal of oil from the exhaust steam of pumps. p. 10.
- Perevozchikov, A. P., Blagil, V. V. - Prevention of oil leak in a turbine. p. 10.
- Nitsenko, V. I., Sichelokov, I. A. M. - Measurement of the average dynamic pressure of a dusty flow. p. 12.
- Donakoi, B. V. - Joint nitration and phosphation of boiler water. p. 14.
- Kruchinin, A. M. - Improvement of a high-speed gas shutter. p. 14.
- Kertsell, I. U. L., Korytnikov, V. P. - Universal standard project of the main building of an industrial heat and electric power plant. p. 15.
- Naumov, B. K. - Our experience in the repair of gas pipes. p. 18.
- Sokolov, B. I. - Selection of bus lines for small substations. p. 19.
- Malyuk, A. S. - Unbalanced voltage in registering voltmeters. p. 20.
- Rolz, I. A., Ternov-Trop, L. K. - Operation of low-power asynchronous motors. p. 21.
- Rytel, A. M., Nikonov, V. I., Volchkova, L. I. - Heating of power transformers with rectified current. p. 22.
- Puchkovskii, V. V., and others. - Effect of temperature on the electrical strength of the moist transformer oil. p. 25.
- Veretennikov, A. S., Mandrykin, S. A. - What a collector should be polished with and causes of brush noise. p. 28.
- In the technical council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. p. 28.
- Cathode corrosion-protection. p. 28.
- Borovitskii, V. N. - New progressive methods in everyday life at the pavilion "Electrification of the U.S.S.R." of the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 29.
- A talented administrator and power engineer, on the 70th birthday of I. U. N. Flaksman. p. 31.
- Through the pages of technical periodicals. p. 31.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATELSKIY INSTITUT ELEKTROENERGETIKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ELECTRIC POWER ENGINEERING. Transactions]. No. 18, 1964.
- Table of contents translated.
- Ginzburg, S. A., Shlimovich, V. D., Borozinets, B. V. - Network construction and operational indices of the RER computer of the Administration of Power Production, Distribution, and Control of the Consolidated Power System of the European part of the U.S.S.R. p. 4.
- Ginzburg, S. A. - Logical method for the synthesis and analysis of electrical networks in the representation of mathematical functions. p. 14.
- Ginzburg, S. A., Liubarskii, I. U. I. A., Shlimovich, V. D. - Functional converter of the RER computer and its design. p. 35.
- Ginzburg, S. A., Liubarskii, I. U. I. A. - Composite (analog-digital) functional converters of one and two variables. p. 53.
- Ginzburg, S. A., Liubarskii, I. U. I. A., Malishevskaya, N. S. - Functional analog memory device for a digital computer. p. 63.
- Liubarskii, I. U. I. A. - Universal functional converters of one or two variables with random distribution of interpolation stages. p. 69.
- Shlimovich, V. D. - Consideration of losses in power system networks in calculating their economic modes of operation using analog computers. p. 76.
- Ginzburg, S. A. - Basic construction principles of the RER-2 analog-digital computer. p. 88.
- Shalyt, G. M. - Improvement of preventive maintenance test methods in cable networks. p. 99.
- Shechekin, M. B. - Mutual blocking of transistor trigger circuits by means of a time selection principle. p. 115.
- Anokhin, V. N., Ianiuk, S. E., Osadchii, A. P. - Automatic two-beam electronic oscillograph with multiple delayed scanning. p. 122.
- Kumslashvili, G. P. - Study of the control stability of power plant machines in consolidated electrical systems. p. 128.
- MOSCOW. VSESOUZNYI ZAOCHNYI ENERGETICHESKIY INSTITUT. Trudy [ALL-UNION CORRESPONDENCE INSTITUTE OF POWER ENGINEERING. Transactions]. No. 26, 1964.
- Table of contents translated.
- Khomakov, A. A. - H. R. Hertz; on the seventy-fifth anniversary of his scientific work. p. 3.
- Nikol'skii, V. V. - Present state of the formulation of problems in electrodynamics. p. 24.
- Mirovitskii, D. I. - Synthesis of a nonuniform layer and a diffusing region. p. 48.
- Relationship between the problem of the synthesis of a radiator and the inverse problem of the theory of dispersion. p. 61.
- Zarin, D. D. - Equations of signals describing the perturbation of an electromagnetic field by a buried dielectric cylinder. p. 70.
- Zarin, D. D. - Method for increasing the interference rejection of measuring systems with electric field transducers. p. 85.
- Iudich, M. Z. - Some new methods for determining  $\tau$  - scatter of junction transistors. p. 92.
- Iudich, M. Z. - Networks for measuring the parameters of P005 transistors. p. 97.
- Kurtev, N. D. - Interference rejection of logarithmic pulse systems with logarithmic amplitude-time converters. p. 101.
- Kurtev, N. D. - Signal-to-noise ratio in a pulse amplifier. p. 107.
- Shibulov, A. N. - Design of the input and output device of a paramagnetic traveling-wave amplifier. p. 113.
- PROMYSHLENNAYA ENERGETIKA [INDUSTRIAL POWER]. Organ of Gosudarstvennyi proizvodstvennyi komitet po energetike i elektifikatsii SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Production Committee for Power and Electrification in the U.S.S.R. and the Scientific Technological Society of the Power Industry]. Moscow, vol. 20, no. 3, Mar. 1965.
- Table of contents translated:
- Shapiro, E. A. - Standardization of the expenditure of fuel and thermal energy in petroleum refineries. p. 2.
- Platachikov, B. I. - Calculation of savings resulting from heat regeneration in drying systems. p. 6.
- Konstantinov, B. A. - Problems of the organization of the operation of electrical systems in industrial enterprises. p. 8.
- Pebenichnyi, I. F. - Methods for decreasing the breakdown rate of crane motors. p. 13.
- Dikmarov, S. V. - Self-start of asynchronous motors during the operation of a group switch in a dual automatic reclosing cycle. p. 15.
- Beloenko, V. I. - Use of selenium rectifiers in the power supply of hoist electromagnets. p. 16.
- Levin-L'vinskii, S. M. - Automation of low-pressure boiler units operating on natural gas. p. 17.
- Shishkin, V. I. - Prevention of corrosion in the air preheaters of industrial furnaces. p. 21.
- Pulliov, M. I. - Effectiveness of spanning the embraures of the lower slotted gas burners of boilers. p. 23.
- Gusev, V. V. - Determining the idle space of a compressor by means of an indicator diagram. p. 27.
- Grodskii, S. E., Meshel', B. S. - Simplification of the calculation of power and operation of load control of shop transformers. p. 29.
- Rekus, G. G., Belousov, A. I. - Selection of asynchronous motors for sinking pumps. p. 31.
- Sud, I. I. - Use of asynchronous motors in the electric drives of drilling winches. p. 34.
- Timofeev, T. G. - New designs of power cables with ratings up to 16 kv. p. 39.
- Draft of regulations for the operation of electrical systems in premises with explosion hazards. p. 41.
- Wider use of enclosed electric motors and light fixtures; decision No. 36-30 of January 22, 1965. p. 44.
- Cherny, K. K. - New instructions on rendering first aid and injuries from electric current. p. 45.
- Bellakov, N. N. - Protection of cables using silica brick. p. 45.
- Through the pages of trade journals. p. 46.
- Principal characteristics of petroleum fuel for industrial boiler systems. p. 48.
- Devices using radioisotopes. p. 48.
- Vol. 20, no. 6, June 1965.
- Table of contents translated.
- Sheldin, S. A. - Work on the saving of electric energy in the Magnitogorsk Metallurgical Combine. p. 2.
- Lenovich, A. S., Dubinets, A. I. A., Palei, I. A. M. - Increase in the operational reliability of rolling mill motors. p. 4.
- Konukhova, E. A. - Effect of voltage quality on the insulation life of asynchronous motors. p. 9.
- Ambartsumian, V. A., Fenelonov, V. G., Melin, G. I. - Use of mercury-type transducers in heat protection systems of electric motors. p. 13.
- Matveev, M. S. - Experience in the operation of the electrical equipment of a chemical plant. p. 15.
- Blinovskikh, S. P. - Change in the power supply network of an SD-00M electric motor. p. 18.
- Kurochkin, A. A., Maksimov, G. N. - Power supply for the test equipment of electrical laboratories. p. 19.
- Milich, M. B. - Economy of slip power recovery in electric drives. p. 20.
- TSirel', I. A. A. - Determination of losses due to disruption of electric power supply. p. 24.
- Zel'tsburg, L. M. - Losses due to disruption of electric power supply. p. 27.
- Popov, R. A., Kozlov, B. K. - Choice of efficient municipal heat distribution networks. p. 30.
- Gusev, V. V. - Problems of the operation and design of compressor systems. p. 34.
- Serbinovskii, G. V. - Equalization of the load graphs of electric power systems. p. 37.
- Decision No. E-2/65 of January 4, 1965 introducing changes and clarifications in the 1964 edition of "Regulations for the installation of electrical systems." p. 42.
- Ermilov, A. A. - Measures for maintaining optimum voltage levels. p. 48.
- Gol'denblat, B. I. - Study conference on voltage regulation in the electrical networks of industrial enterprises. p. 47.
- RADIO. Organ of Ministerstvo aviatsii SSSR and Vsesoyuznoe dobrovol'noe obshchestvo sodelatstva armii, aviatsei i floty [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 3, Mar. 1965.
- Table of contents translated:
- Wide boost for the finals of Spartakiada. p. 1.
- Radio communications in the Great Patriotic War. pp. 3, 5.
- Prokopiuk, N. - In the path of trials. p. 4.
- The Columbus Prize for the soviet radio amateur. p. 6.
- Tariakovskii, N. - We are preparing the finals. p. 7.
- Zozulin, M. - The main thing is the concern for the young. p. 8.
- Akulnichenko, I. - Radio electronics in the health service. p. 10.
- Kazanskii, N. - Advice to the beginners. p. 12.
- Zhomov, I. U. - A microphone and different bands. p. 13.
- Short and ultrashort radio waves. p. 14.
- Rumiantsev, G., Chernyshev, V. - Unusual tropospheric propagation of radio waves. p. 15.
- Prozorovskii, I. U. - Let's talk about shortwave radio. p. 16.
- Dolukhanov, M. - Radio waves of sonic and infrasonic frequencies. p. 17.
- Aleksakov, G. - I F amplifier of the video signals of a transistorized television receiver. p. 19.
- Basir, I. - Automatic synchronization of the horizontal sweep. p. 22.
- Lavin, V. - Instrument for tuning pianos. p. 24.
- Arsen'ev, I. U. - Stereophonic tape recorder for the accompaniment of a motion picture film. p. 26.
- Kachurin, K. - Transistor amplifiers with direct coupling. p. 28.
- Gerasimenko, V. - Brush-type band microswitches. p. 30.
- Ziger, A., Shkol'nik, S. - Stereophonic radio-phonograph combination "Belarus'-62-Stereo." p. 32.
- Ivanov, V., Tsyganova, L. - "Astra-2" magnetic tape recorder. p. 34.
- Tormozov, F. - "Mifia" tape recorder. p. 36.
- Mihni, B. - Improvement of the "Konieta" magnetic tape recorder. p. 38.
- Gorunov, N. Savchenko, A. - Features of using transistor devices. p. 40.
- Gorodetskii, V. - Device for testing power transistors. p. 42.
- Ushchapovskii, P. - Automatic device for triggering signals. p. 44.
- Leont'ev, V. - Galvanic coating of metals without the use of tanks. p. 48.
- Lugovoi, V. - Transistorized shortwave converter. p. 47.

Lomtev, E. - Digital voltmeter. p.51.  
Kisel', G. - Universal signal generator. p.54  
In foreign countries p.57  
Reference sheet. p.59  
A good handbook p.62  
Our consultations p.63

\* **RADIOTEKHNIKA [RADIO ENGINEERING]** Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im.A.S.Popova [A.S.Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol.20, no.3, Mar. 1965.  
Table of contents translated:

Kanevskii, Z.M. - Residual probability of distortion during the transmission of communications with information feedback. p.3.  
Malinov, I.A. - Theory of a  $\pi$ -type hollow resonator. p.9.  
Vol't, V.M. - Regenerated stage with high stability. p.16.  
Vol'man, V.I. - Calculation of a Y-type waveguide distributor. p.21.  
Volkov, V.M., Konovetskii, G.K., Levin, M.F. - Analysis of the phase characteristics of a single-stage electron-tube amplifier with automatic amplification control according to the constant component of the cathode current. p.31.  
Krisilov, I.U.D. - Nonlinear and transverse distortions in tuned transistor amplifiers. p.36.  
Gillis, M.V. - Carrying capacity of a magnetic recording channel. p.43.  
Solov'ev, A.K. - Power dissipation of a transistor in pulsed operation. p.47.  
Kolkov, S.N., Tsikin, A.N. - Determination of the life of insulation subjected to a continuously rising voltage. p.54.  
Lezin, I.U.S. - Noise distribution at the output of an autocorrelating device. p.60.  
Kozyreva, G.M., Shileiko, A.V. - Frequency characteristics of communication channels with high-order differential discrete modulation. p.66.  
Cherniak, I.U.B. - Correlators with ideal limiters. p.70.  
Fink, L.M. - Review of N.L.Teplov's book "Noise stability of discrete information transmission systems." p.78.  
L.S.Gulkin, on his 50th birthday. p.80.

Vol.20, no.4, Apr. 1965.

Table of contents translated:  
Levin, B.R., Ushakov, I.A. - Some aspects of the present state of the reliability program. p.3.  
Gol'dberg, N.I. - Evaluation of the mathematical expectation and dispersion of a random process. p.21.  
Vasil'ev, E.N., Sorogina, A.R. - Radiation patterns of a slot antenna on a thick cylinder with finite length. p.27.  
Kinber, B.E. - Shortwave asymptotic diffraction of acoustical and electromagnetic waves on bodies of rotation. p.32.  
Barsukov, F.I. - Statistical characteristics of random pulse noises at the output of a pulse group selector. p.36.  
Kallina, A.I., Mathushin, A.T. - Features of complex compensation of the amplitude-frequency characteristics of an amplifier. p.46.  
Itakhoiki, I.A. - Accurate analysis of the operation of a linearized device for converting a voltage into a time interval. p.50.  
Konstantinovskii, V.N. - Evaluation of maximum frequency generation of drift transistors. p.63.  
Simonov, I.U.L. - Parameters of a tunnel diode for large harmonic signal operation. p.62.  
Levin, G.A., Zaitsev, D.L. - Evaluation of the interference rejection of an adaptive system. p.66.  
Savchenko, I.U.G. - Increasing the stability of digital control systems by uniting the elements into circular structures. p.72.  
Berdichevskii, B.E. - Review of N.V.Parot's book "Reliability of receiving an amplifying tubes." p.77.  
Kordobovskii, A.I. - Modulation and relative phase telegraphy. p.78.  
Divnogorisev, G.P. - Remarks on A.I.Kordobovskii's article "Modulation and relative phase telegraphy." p.78.  
In the A.S.Popov Scientific and Technical Society of Radio and Electronics. p.80.  
New books. p.3 of cover.

\* **RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]** Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.10, no.6, June 1965.

Table of contents translated:  
Reznik, A.M. - Structure of an optimal receiver for detecting a local signal source in a field of interfering noise. p.979.  
Zevakini, S.A., Naumov, A.P. - Calculation of the coefficient of absorption of centimeter and millimeter radio waves in the oxygen of the atmosphere. p.987.

Bisvanathk, D. - Maximum directivity of radiator systems with symmetry. p.997.  
Ivanov, E.A. - Linear system of spherical radiators. p.1005.  
Ufimtsev, P.A. - Transverse diffusion during diffraction on a wedge. p.1013.  
Goshin, G.G., Bobrovnikov, M.S., Smirnov, V.P. - Effective excitation of radial cylindrical surface waves. p.1023.  
Toroshtchenko, A.I., Shein, A.G. - Delay system using septate waveguides with cross-type cross section. p.1028.  
Iashkin, A.I.A., Golubev, A.N., Katashnikov, V.G. - Calculation of the passband of straight waveguides with stepped cross section. p.1038.  
Shestopalov, V.P., Shterbak, V.V. - Nonuniformities in rectangular waveguides. p.1043.  
Kartashev, V.G. - Propagation of the fundamental wave in a coaxial line with a nonhomogeneous dielectric filling. p.1057.  
Kotik, I.P., Sivov, A.N. - Calculation of the phase characteristics of nonsymmetrical wave types and the filtering action of a helical waveguide. p.1065.  
Protopopov, A.S. - Correlation couplings of the output voltage of a switched RC integrator. p.1073.  
Bakrov, I.U.N. - Synchronizing properties of a third-order system of automatic phase frequency control. p.1083.  
Iorish, A.E., and others. - Pulsed emission and thermal conditions of an oxide cathode. p.1088.  
Mikaelian, A.L., Turkov, I.U.G. - Efficiency of energy conversion in a media with inverse inhibition. p.1094.  
Bakhrakh, L.E. - Current limit of an electron beam with stipulation that the current density remains constant. p.1104.  
Grubnikov, Z.S. - Photomagnetic effect with face lighting of a p-n junction. p.1110.  
Chalka, G.E. - Effect of strong fields on the thermionic emission of semiconductors. p.1115.  
Gorlunova, O.F. - Dynamic properties of small area ohmic contacts in semiconductors. p.1123.  
Tsetlin, V.B. - Measurement of side radiation and phase diagrams of antennas in the near zone. p.1127.  
Litvinenko, L.N., Shestopalov, V.P. - Diffraction characteristics of two-element nonsymmetrical metal grids. p.1131.  
Petrov, B.M. - Mutual and self conductances of the radiation of slots on a wedge. p.1135.  
Gekker, I.R., Luk'ianchikov, G.S., Sergeichev, K.F. - Matched slot exciter of  $H_{01}$  and  $E_{11}$  waves in a round waveguide. p.1138.  
Shestoglov, V.A., Orashevskii, A.N. - Natural oscillations of dielectric cavity resonators. p.1140.  
Letokhov, V.S. - Spatial effects in the heterodyning of light waves. p.1143.  
Erkovich, S.P., and others. - Superhigh frequency optical modulator. p.1146.  
Vylgzhant, D.N., Zelikman, M.Kh. - Threshold of the generation of a ruby laser taking into account pumping energy dissipation in the crystal. p.1147.  
Talanov, V.I., Averbakh, V.S., Vlasov, S.N. - Effect of first and second order aberrations on the characteristics of a cavity resonator. p.1150.  
Krillov, L.G., Iavich, L.R. - Calculation of stepping junctions and directional couplers with a random number of elements. p.1153.  
Ivanov, V.N. - Effect of the terminal cavities on the frequency spectra of the anode unit of a magnetron. p.1155.  
Kuklev, I.U.I. - Determination of the region of the negative depression coefficient in traveling-wave tubes at small signal parameters. p.1157.  
Mednikov, O.I. - Parametric microwave frequency divider. p.1159.  
Dihuba, B.Ch. - Thermionic emission of some high melting metals in barium vapors. p.1161.  
Tkhorik, I.U.A. - Nature of inertial p-n junction diodes with small leakage rates of the minority current carriers through a nonrectifying junction. p.1162.  
Baranov, L.L., Sellshever, G.V. - Reply to I.U.A. Tkhorik's letter "Nature of inertial p-n junction diodes with small leakage rate of the minority current carriers through a nonrectifying junction." p.1163.  
Ivanov, G.A., and others. - Second Scientific Session of the Science Council on Physical Electronics. p.1165.

**REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMKANIKI I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1965.

**REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1965. Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964]

**REFERATIVNYI ZHURNAL: IADERNYE REAKTORY (Oldi'nyi vypusk 50) [JOURNAL OF ABSTRACTS NUCLEAR REACTORS (Separate Issue 50)]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1965.

**REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1965.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]**. Moscow, vol.8, no.5, May 1965.

Table of contents translated  
Polakov, V.E., Skutelnikov, V.I. - Complex high-speed short-circuit protective relay of the main networks of electric power stations and substations p.1.  
Aleksandrov, G.N., Kalinin, N.D. - Wet discharging of potential insulator chains during internal overvoltages. p.6.  
Puchkovskii, V.V. - External moisture exchange in power transformers with expanders p.13.  
Katsen'son, S.M. - Analysis of the work of d.c. converters with parallel inverters operating in an oscillatory mode p.21.  
Tiplik, S.V. - Use of a speed voltage generator with a ring armature for the experimental determination of the mechanical characteristics of an asynchronous motor p.30.  
Kuznetsov, B.V. - Construction of a circle diagram of an asynchronous motor using catalog data p.35.  
Lysov, N.E. - Heating of closed contacts during normal operation. p.41.  
Lapshov, V.N., Saprykin, G.S. - Determination of the optimal degree of air pressure increase in the gas section of steam and gas units with high temperature gas turbines. p.50.  
Troianovskii, B.M. - Effect of the final pressure on the operation of the terminal stage of a condensing turbine p.57.  
Ablamskii, V.A. - Calculation of the expenditure of a working fluid in turbines with few stages. p.63.  
Puplaev, S.A. - Study of the operation of a water evaporating system for preliminary air cooling using external parameters p.69.  
Kapinos, V.M., Matesvili, I.U.M. - Solution of a problem on steady heat conduction with consideration of the dependence of the thermal conductivity coefficient on temperature using a diagram method p.77.  
TSvetkov, O.B. - Temperature dependence of heat transmission of liquids with low boiling points. p.84.  
Pogrebennyi, I.N., Tanskii, A.M. - Design of a solid spatial vane of the runner of a centrifugal pump. p.90.  
Brench, M.P. - Effect of the nonsteady flow of fluids on the torque of the turbine of a hydraulic torque converter p.93.  
Ryskhovskii, I.A. - Errors of d.c. meters with an electrodynamic system p.98.  
Korndorf, S.F., Muremova, N.S. - Effect of the inertia of a circuit with photocells and thermistors on the selection of load resistors p.102.  
Troshin, V.A. - Dependence of the reactive power of a synchronous motor on the network voltage. p.104.  
Evenko, V.I., Shishkov, V.M. - Study of the heat exchange and resistance of tubes finned with corrugated strips p.106.  
Ershov, I.A. - Heat emission during the boiling of underheated liquids in a large volume at high thermal loads. p.110.  
Ivanov, V.V. - Study of the development of drops in a gas and steam medium. p.114.  
Slesarenko, V.N. - Thermal constants of seawater. p.117.  
Buklastov, A.M., and others - Use of an electronic film transducer for measuring air humidity p.120.

**SVETOTEKHNIKA [LIGHTING ENGINEERING]**. Organ of Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR and Tsentral'noe pravleniie Nauchno-tekhnicheskogo obshchestva energeticheskoi promyshlennosti [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol.11, no.4, Apr. 1965.

Table of contents translated:  
Kireev, M.N. - Technical and economic basis for norms on natural lighting in industrial buildings. p.1.

- Trukhanov, A.A., Stokova, O.I. - Visibility and distinguishability as complex functions for studying the lighting conditions of industrial enterprises. p.7.
- Zil'ber, D.A. - Electric lighting in pharmacies. p.11.
- Balkov, V.A. - Maintenance of light fixtures with fluorescent lamps. p.13.
- Gurevich, M.M. - Thermal effect of solar radiation. p.17.
- Sventitskiy, I.I. - Measurement of optical radiation in the cultivation of plants. p.19.
- Agranat, B.L., Kryzhanovskiy, B.P. - Electroluminescent condensers with organic glass base and polymer films. p.23.
- Lur'e, I.A.S., Zelikson, E.I.A. - Servicing of industrial light fixtures with fluorescent lamps. p.26.
- Kluev, S.A. - Photoelectric automatic devices for lighting control. p.27.
- Resolution of the Presidium of the All-Union Council of Scientific and Technological Societies. p.28.
- Sapozhnikov, R.A. - A book about Edison. p.30.
- Through the pages of foreign periodicals. p.31.
- Light fixtures for dwellings and public buildings. p.32.
- \* VESTNIK SVIAZI [COMMUNICATION REVIEW]. Issued by Ministerstvo svyazi SSSR and Tsentrallyy komitet Profsojuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol.25, no.2(289), Feb. 1965.
- Table of contents translated:
- Telecommunication enterprises should be provided with modern switching equipment. p.1.
- Vasserman, L.S. - New principle of the design of block-wide telephone networks. p.3.
- Geln, E.E. - Device for recording the radiation patterns of transmitting antennas from an airplane. p.6.
- Saul, B.Kh. - Increasing the operating range of a mobile television station. p.9.
- Lomanovich, V.A. - Four-layer semiconductor devices. p.10.
- Shamshin, I.I. - Principal trends in the development of the technological base of wire broadcasting. p.13.
- Petrchenko, S.I. - The post office workers are improving the quality of their work. p.15.
- Volkov, S.G., Iakovlev, L.I.A. - Agricultural workers should be provided with every means of communication. p.17.
- There should be no compromise with shortcomings in postal service. p.20.
- Erushkovskiy, I.U.S. - Strict enforcement of governmental regulations. p.21.
- Semochkin, V.N., Vas'kovskiy, I.E. - Experience in the operation of radio relay lines. p.22.
- Buraga, P.D. - Use of punched cards in the distribution of magazines. p.22.
- Mitina, S.I. - Output planning system for telegraph operators. p.25.
- Fedorov, E.P. - An outstanding brigade leader. p.26.
- Tarakshin, N.K. - Combined effort of the collective. p.27.
- Tokalevich, V.L., Chernina, M.O. - Competition for the title "shop of the efficiency experts". p.27.
- Pakul, A.K. - Use of the PSH-0,4 loader for digging trenches. p.28.
- Results of a competition on the best suggestions on the mechanization of postal service operations. p.28.
- Timofeev, V.M. - Half a century of one of the oldest radio stations. p.29.
- In the Collegium of the Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communication Workers, Automotive Transportation, and Highway Workers. p.32.
- Vol.25, no.4(301), Apr.1965.
- Table of contents translated:
- Let's build communication systems better and faster and utilize them to a greater degree. p.1.
- Gertsenshtein, B.I.A. - UDK-2 equipment for multiplexing rural telephone networks. p.3.
- Kokoshkin, P.A. - Rectifying equipment for the power supply of rural telephone networks. p.5.
- Belov, V.A., Shuvalov, V.M. - Suppression of radio interference in overhead communication lines. p.8.
- Konstantinova, V.M., Erans, K.Kh. - Portable Z-meter generator. p.10.
- Truskalov, N.P. - Device for increasing the reliability and life of electric contactors. p.11.
- Korotin, A.I. - Communication means should be centralized. p.13.
- Pospolitak, I.I.A. - Timely delivery of mail is of the utmost importance. p.14.
- Malahiev, A.M. - Communication workers of Stavropol are striving to improve the quality of their work. p.16.
- Ukhovich, A.P. - The might of socialist competitions p.18.
- Iakovlev, L.I.A., Volkov, S.G. - Not being a laggard. p.21.
- Petrushin, I.P. - Results of a correspondence by mail conducted by long-distance telephone operators p.23.
- Gilev, I.F. - Industrial hygiene is one of the most important problems. p.25.
- Kostrikov, G.I. - Accelerate the development of rural telephone communication networks. p.27.
- Kostrikov, G.I. - Determination of the operational capacity of municipal telephone networks. p.28.
- Grigor'ev, B.S. - Ostroinkov's letter to Lenin. p.30.
- ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD]. Moscow, no.4, Apr. 1965
- f INDUSTRIES & TRADES
- AKADEMIYA NAUK URSR, Kiev. Institut elektrozavartvavania. Avtomaticheskaya svarka [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R., Institute of Electric Welding. Automatic Welding]. Kiev, vol.18, no.3(144), Mar. 1965.
- Table of contents translated:
- Improving the quality of welding operations is a major task. p.1.
- Gel'man, A.S. - The nature of friction welding. p.5.
- Shternin, L.A. - Friction welding of dissimilar metals. p.11.
- Voinov, V.P. - Optimal conditions for the friction welding of a tool. p.14.
- Golego, N.L. - Bonding of metals in a high vacuum. p.18.
- Balakin, V.I., Khrenov, K.K., Gurskiy, P.I. - Cold welding of dissimilar metals. p.21.
- Gladkii, P.V., Frumkin, I.I. - Plasma spraying. p.23.
- Zaitseva, A.V. - Characteristics of the structure of the metal of a joint during electron beam welding. p.28.
- Trushchenko, A.A. - Some phenomena during the control of welded joints for impermeability to liquids; review of publications. p.31.
- Vill', V.I., Komarcheva, E.S. - Studies in the area of techniques of friction welding ferrous metals. p.35.
- Shpetzman, M.M. - Friction welding equipment. p.39.
- Karasik, I.I. - Specialized machines for friction welding. p.44.
- Zakson, R.I., Turukin, F.G. - Welding and hard facing by friction of agricultural machinery parts. p.48.
- Vavilov, A.F. - Friction welding of tools. p.51.
- Gel'man, E.I.A., Temirov, M.D. - Friction welding of marine engine valves. p.54.
- D'yachenko, V.I. - Introducing friction welding in White Russia. p.57.
- Olesova, T.Sh. - Technological possibilities of friction welding; review of patent data. p.59.
- Serbo, P.I. - Determining the level of mechanization and automation in welding. p.62.
- Bukovol, A.A., Svezhko, V.I. - Determination and analysis of some indices of welding on the basis of statistical accounts. p.68.
- Volkov, V.M. - Friction welding machine. p.73.
- Kudrevskiy, L.P., Shirokova, Z.I. - Friction welding of the cardan of a truck steering gear. p.73.
- Vasileva, G., Prokof'ev, S. - The MSTA-3 automatic welder. p.74.
- Kasatkina, B.S., Raevskiy, G.V., Trufilakov, V.I. - New materials and designs for the manufacture of chemical machinery. p.76.
- Dreikantskiy, Z.B. - Conference on welding quality control. p.79.
- On the 60th birthday of A.S.Gel'man. p.80.
- Vol.18, no.4(145), Apr.1965
- Table of contents translated:
- Okerblom, N.O. - Some considerations concerning prospects for the development of welded structures. p.1.
- Rozenshtein, I.M., Chernashkin, V.G. - Investigating the brittleness of structural steel. p.7.
- Pokhodina, I.K., Kostenko, B.A. - Investigating the kinetics of electrode melting during welding. p.11.
- Petrov, G.L., Ignatov, V.A. - Autoradiographic investigation of the distribution of niobium in the weld-affected zone of Kh18Ni9 steel. p.15.
- Rabkin, D.M., Grigorenko, G.M. - Hydrogen in the welding bath and porosity of welds in the welding of aluminum under flux. p.20.
- Podola, N.V., and others. - Stabilization of electron beam welding conditions. p.23.
- Patakevich, I.R. - Using weaving arc hard facing. p.28.
- Isaev, N.I., Timofeev, V.N. - Deposition of copper alloys on steel surfaces. p.34.
- Gul'denbal'k, A.P. - Calculation of effective electric current values and power factors of electric welding machines with ignitron breakers. p.38.
- Gonzik, F., Ezh, B., Pavlov, K. - All-welded dry gasholders. p.42.
- Is'nikov, N.N., Klimentov, V.I. - Weldable 15G1 medium manganese cast steel. p.47.
- Kompan, I.A.IU. - Electric slag welding of the VT10 titanium alloy. p.50.
- Balkulov, A.T. - Reducing the consumption of carbon dioxide in the welding of combine units. p.53.
- Leinachuk, E.I. - Wear resistance of a hard facing metal with high plasticity. p.54.
- Svetlopolianskiy, V.I., Grinzev, M.I. - Electric slag hard facing of cutters. p.57.
- Kuchuk-Iatsenko, S.I., Solodovnikov, S.A., Korlov, S.M. - Portable machine for the welding of rails on the track. p.59.
- Bolkov, M.I. - Improving the design of a portable rail welding machine. p.62.
- Zlobin, G.I., Nekrasov, B.M. - Resistance seam welding of copper screens and foil. p.64.
- Suprun, G.S. - Efficient application of modern methods of erecting sheet metal structures. p.67.
- Fokanov, I.G. - Economic efficiency of open arc welding at a shipyard. p.70.
- Vasilechko, G.A., Asyla, A.E. - Deformation during mechanized welding with an alloyed wire. p.73.
- Medovar, B.I. - New stainless steel made in France. p.74.
- Stepovich, O.V. - Electronic cutoff relay in electron beam equipment. p.77.
- Fedorchenko, I.A.A. - In the coordinating council on welding. p.78.
- Kafitin, E.D. - Conference on improving the quality and raising the level of mechanization in welding operations. p.78.
- Rladov, V.P. - Second all-Union conference on the welding of dissimilar metals. p.79.
- Vol.18, no.5(146), May 1965.
- Table of contents translated:
- Paton, B.E., Shelko, P.P. - Control of metal transfer during arc welding with a consumable electrode. p.1.
- Pokhodina, I.K., Marchenko, A.E., Kostenko, D.A. - Duration of the interaction of the liquid electrode metal with slag and gases during welding. p.5.
- Makara, A.M., and others. - Technology of electric slag welding of petroleum refining and chemical apparatus without normalization. p.11.
- Sapiro, L.S., Maslov, V.A. - Segregation of hydrogen in welds. p.17.
- Makmonos, V.I., Moshinitskiy, A.F. - Calculation of thermal processes during weaving arc hard facing of cylindrical parts. p.20.
- Bagriantskiy, K.V., and others. - Deposition of a steel layer on gray cast iron. p.25.
- Bezbak, D.K. - Investigating parameters of the heating and melting of powder metal wire. p.29.
- Silozberg, S.K., and others. - Chromium bronze for electrodes of resistance welding machines. p.33.
- Razikov, M.I., Korolev, N.V. - Automatic deposition with a large diameter electrode. p.35.
- Keendzyk, G.V. - Using AN-60 flux for mechanized deposition of chilled cast iron on steel parts. p.38.
- Zolotarevskiy, D.B. - Ceramic electrode in a metal casing for electric slag hard facing. p.41.
- Tatarko, N.F. - Mechanized hard facing under flux. p.44.
- Kozulin, M.G., Siatshchev, A.P. - Electric slag welding of cast frames for jaw crushers. p.46.
- Bul'ba, T.G. - Using the K-155 and K-255 machines for welding rails at track skeleton assembly points. p.49.
- Shinlov, E.I., Malakhov, A.M. - Increasing the efficiency of hydraulic accumulators of built welding machines. p.51.
- Biatorskaya, G.N., Noprikludin, V.A. - Condenser discharge welding of silver-nickel and silver contactors. p.53.
- Borger, G. - Using modern welding methods at the K. Iibknokht Plant. p.55.
- Laboratory research of welding centers; summary of letters. p.58.
- Svezhko, V.I., Kharchenko, P.F. - Welding equipment in the U.S.S.R. and abroad. p.60.
- Fedorov, I.U.A. - Method of determining the production volume of electric welding equipment. p.66.
- Paton, B.E., Pokhodina, I.K. - Welding science and technology in Japan. p.70.
- Strokalov, G.N. - Japanese exhibition of equipment for the production and welding of plastics. p.76.
- Annual report of Commission XII of the International Welding Institute. p.78.
- Conference of chief welding personnel. p.79.
- Popekhin, M.M. - Seminar on efficient planning of welded structures. p.79.
- Akkuratova, S.N. - Conference on the quality of electrodes. p.80.
- Logvinov, V.I. - All-Union Topical Conference on the Welding of Low Alloy Steel. p.80.



**BUMAZHINNA I DEREVOBRABATYVAYUSHCHAYA PROMYSHLENNOST'** [PAPER AND WOODWORKING INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrain-skoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research], Kiev, no. 2(22), Apr.-June 1965

Table of contents translated:

- Naumov, D. L. - Mobile electromechanical lifter for loading a press. p. 3.  
Kaimykov, N. K., Chaika, I. V. - Four-drum polishing machine. p. 6.  
Mikheev, I. I. - Base forming section in automatic lines for planing scantling parts. p. 8.  
Gefler, M. B. - Automatic groove-cutting machine. p. 13.  
Polapenko, A. P. - Burning black liquor in modern injection-type apparatus. p. 15.  
Shapoval, A. P. - Basic indices of the manufacture of wooden chairs. p. 19.  
Guseva, A. I., Chizhova, R. D. - Use of fast-hardening resins with two combined hardeners at the Bozhenko Furniture Factory in Kiev. p. 21.  
Shutenko, N. I. - New sets of furniture. p. 22.  
Dvornik, Z. A. - New models of theater bent-wood chairs. p. 24.  
Iatsuk, A. I., and others. - Practices in wood polishing by abrasive wheels at the Mukachevo Furniture Combine. p. 25.  
Iarenchuk, N. I. - Polishing surfaces coated with polyester varnishes. p. 28.  
Kunin, Z. A., Klimenchuk, A. V. - Attachment to rotary veneer cutters for butting cut veneer. p. 30.  
Chizhov, A. D., Liandros, D. V. - Practices in the use of the new LK pore filler at the Bozhenko Furniture Factory in Kiev. p. 31.  
Zorenko, S. A. - Proposals of efficiency promoters at the Bozhenko Furniture Factory in Kiev. p. 32.  
Rutman, G. A. - Special chuck for fastening grooved drills. p. 34.  
Gaovskii, B. A., Dolgov, K. A. - Studying the water yield of cellulose suspensions. p. 35.  
Malakhova, N. I., Lavrinenko, T. F., Pozhidaeva, L. F. - Producing fiber semiprocessed materials with minimal loss of heat. p. 39.  
Tsaregradskii, E. K. - Technology of combining the processes of veneering and finishing particle boards. p. 42.  
Prodanenko, V. M., Cherepanov, V. N. - Finishing furniture by thermoplastics. p. 48.  
Ogurok, I. A. - Production of bent furniture in the Czechoslovak Socialist Republic. p. 52.

**BUMAZHINNAI PROMYSHLENNOST'** [PAPER INDUSTRY]. Organ of Gosudarstvennyi komitet po lesoi, tsellulozno-bumazhnoi, derevoobrabatyvalushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvalushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry], Moscow, no. 3, Mar. 1965.

Table of contents translated:

- Kosol, A. S. - Woodpulp from chips. p. 3.  
Solontayn, R. A., Pavlovskaya, O. K. - Increasing the strength of the screens for high-speed paper-making machines. p. 7.  
Zil'borfarb, V. I. - Static converters for the electric drives of paper and cardboard machines. p. 9.  
Derbentsov, F. F., and others. - Reinforced paper for packing sheet steel. p. 10.  
Medvedov, P. A., Lopukha, V. P., Volkhanskii, S. S. - Two years of operations of the Kherson cellulose plant. p. 12.  
Mardor, M. V. - Burning of bark in a combination combustion chamber. p. 16.  
Ilichev, A. I., Petruk, I. S. - Extent of changes in chips processed with the worm conveyor rotor machine. p. 19.  
Iagubchikov, V. I., Badusov, A. A. - Effect of the drying methods of paper on its quality. p. 20.  
Kondratskii, E. P. - Manufacture of metal boards and rubber coatings for the suction boxes. p. 21.  
Chukranov, M. A., and others. - For a maximum utilization of hardwood pulp in the manufacture of electric insulation paper. p. 23.  
Gurevich, S. B. - A new plant joins the ranks.... p. 25.  
Shlange, B. K. - Selection of the basic materials for piping systems and vessels for the woodpulp and paper industry. p. 26.

**\* DEREVOBRABATYVAYUSHCHAYA PROMYSHLENNOST'** [WOODWORKING INDUSTRY]. Issued by Gosudarstvennyi komitet po lesoi, tsellulozno-bumazhnoi, derevoobrabatyvalushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvalushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry], Moscow, vol. 14, no. 2, Feb. 1965.

Table of contents translated:

- From the pages of technical journals. insert, pp. 2, 4.  
Gorchenkov, S. G. - Tasks of the Scientific Technological Society during the seventh year of the seven-year plan. p. 1.  
Shvartsman, G. M. - Proportioning the components of binders in the manufacture of particle boards. p. 3.  
Khar'kova, E. I. - Designing frame furniture and standardizing its elements. p. 5.  
Matveeva, T. A. - Preparing the surface of polyester coatings for polishing. p. 8.  
Plaksh, V. I. - Precision of sawing with log frame saws. p. 9.  
Kokorov, V. I. Shortcomings of the All-Union State Standard for particle boards made by extrusion compression. p. 13.  
Arsen'ev, K. K. - Methods for preventing the warping of sides. p. 14.  
Koshchev, E. N. - The PSh-3M mechanized saw forging die. p. 15.  
Miliukov, A. I. - Group piece-rate wages in furniture enterprises. p. 16.  
Vasil'ev, V. A. - Specialized workshop for the manufacture of spring mattresses. p. 19.  
Sukhanov, M. A. - Standardization of parts for dining tables at the "Lira" Moscow Factory. p. 21.  
Tiurina, S. P. - From practices in polishing nitro-cellulose lacquer coatings. p. 23.  
Kedrina, G. A., Halkhumi, E. S., Shabalin, V. V. - The LK, a new pore filler. p. 24.  
Dubanovich, A. I. - Filling small cracks on veneered surfaces. p. 25.  
Seliyanov, I. E. - Method for compacting the edges of particle layers in preliminary pressing. p. 25.  
Erokhin, V. I. - Semiautomatic line for the planning and surfacing of boards. p. 28.  
Slakhlov, I. U. M. - Machine for rolling disk saws. p. 28.  
All-Union Scientific Technological Conference of the Workers of the Furniture Industry. p. 29.  
Fabritskii, Kh. D. - A useful textbook on the establishment of work norms. p. 30.

Vol. 14, no. 5, May 1965.

Table of contents translated:

- Klein, V. M. - Important task of workers of the furniture industry. p. 1.  
Polukhin, I. U. F. - Machines for cutting sockets for metal hardware in window and door frames. p. 4.  
Svitkin, M. Z. - Deformation of those parts of a window frame which have been pressed as a unit from ground wood. p. 6.  
Chistinkov, A. M. - Gluing honeycomb constructions with preliminary drying of the layer of glue. p. 8.  
Nemchenko, N. M. - Electric drives for securing a constant speed of cutting on a rotary veneer cutter. p. 10.  
Dorovikov, E. M. - Methods of shaping flattered teeth Bukhtilov, V. P. - Modern equipment for polishing panel parts of furniture. p. 14.  
Markov, A. M. - Veneering hardboards. p. 18.  
Maslov, V. A. - Piezothermoplastics from sawdust and sulfate lignin. p. 17.  
Prokhorchuk, I. S., Antropov, N. A. - Training and employing engineering economists at woodworking enterprises. p. 18.  
Sukhikh, A. A., Krut'rov, D. A. - Treating bundles of lumber with antiseptics. p. 20.  
Avetkov, A. L. - Quality, reliability, and serviceability of upholstered furniture. p. 22.  
Byatrov, V. N., Kirod, R. G. - Staining furniture panels faced with oak veneer in ammonia vapors. p. 25.  
Demikhovskii, L. E., Drozhzhin, A. I. - Device for collecting the dry remnants of nitrocellulose lacquer. p. 26.  
Altukhev, V. F. - Interlocking construction for steam-cylinders. p. 27.  
Korenov, N. I. - Improved dust interceptor for band grinding machines. p. 28.  
Uchikov, A. I. - Practices in natural drying of lumber. p. 28.  
Kovtun, N. K. - Practical use of completed studies on noise abatement in woodworking machinery. p. 30.  
Results of the Third All-Union Public Inspection p. 30.

**KOZHEVENNO-ODUVNAIA PROMYSHLENNOST'** [LEATHER AND FOOTWEAR INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie NTO legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry], Leningrad, vol. 7, no. 4, Apr. 1965.

Table of contents translated:

- Fifth methodical conference-seminar of the representatives of the shoe industry on footwear designing and assortment preparation for the 1966 season p. 1.  
Novikov, V. S. - Speeding-up of the technological progress and tasks for a fundamental improvement of the quality and assortment of footwear. p. 8.  
Aleksenko, V. I. - Basic trends in the development of artificial leather for footwear. p. 13.  
Steshov, I. I. - Special characteristics of the technology for the manufacture of cold weather footwear (boots) with uppers made from the new types of artificial leather. p. 17.  
Garkavenko, S. F. - Footwear assortment and relations between the shoe manufacturers and the retail trade. p. 19.  
Samolova, L. K. - Improve the quality of leather goods and accessories. p. 21.  
Glanis, I. E., Goltson, Z. I. - Efficient utilization of raw materials and leather for footwear sole parts. p. 25.  
Komarova, V. N. - House slippers. p. 26.  
Grigorenko, I. U. M. - Automatic filling and emptying of the measuring tanks for diffusion liquors. p. 27.  
Polianov, V. D., Khatsarevich, T. S. M., Nazarov, V. K. - Semiautomatic line for the production of hide glue flakes. p. 29.  
Vinel'skii, L. M. - Plastic boards for manual cutting of materials. p. 33.  
Valov, M. S., Brodskii, M. B., Bardadymov, A. A. - Changes occurring in the shoe upper sides. p. 34.  
Abramian, L. - Utilize the wastes of fur industries in the manufacture of cardboard for shoe manufacture. p. 39.  
Mironov, N. - Visiting session of the Presidium of the Administration of the Scientific and Technical Society of the Light Industry. p. 40.

**MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST'** [FLOUR MILLING AND GRAIN STORAGE]. Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.], Moscow, vol. 31, no. 2, Feb. 1965.

Table of contents translated:

- Editorial: Initiators of socialist competition. p. 1.  
Gusev, P. - Preparation of a technical equipment base as the most important current task of enterprises of the "Roskhiptprodukt." p. 3.  
Bulrinenko, V. - Use high-quality seed for spring sowing. p. 6.  
Shekter, S. - Accelerated assembly of a continuous line for corn processing. p. 7.  
Zharavlev, V. - Flour millers increase the number of communist labor groups. p. 8.  
Zolotarev, S., and others - Use of cleaning machines and aspirators in corn milling. p. 9.  
Krichigin, B., Pankratov, G. - New apparatus for checking the lifting capacity of magnets in flour mills. p. 12.  
Osipenko, G. - Problems of the development of the mixed feed industry in White Russia. p. 13.  
Paramzin, M. - Sunflower waste used in feed mixtures. p. 14.  
Protaev, A., Mirsadykov, M. - Press for briquetting mixed feeds. p. 15.  
Golandskaya, I. U. - Effectiveness of the introduction of a drum-type dryer for salt and chalk at mixed feed plants. p. 16.  
Golik, M., Voronuk, N. - Effect of the viability of grain on its hygroscopic characteristics. p. 17.  
Kostrov, E. - Change in the microflora of the grain of buckwheat as related to the methods of harvesting and conditions of storage. p. 19.  
Samonov, M. - Mechanization of work at grain receiving enterprises in Brest Province. p. 20.  
Leonov, K. - Apparatus for controlling the fuel flame of grain dryers operating on liquid fuel. p. 22.  
Drizin, B. - At the Technical Council of the State Procurement Committee. p. 23.

Vol. 31, no. 3, Mar. 1965.

Table of contents translated:

- Bobrov, A. - On the road to the further increase of production and the improvement of production quality in the grain milling industry. p. 1.



- Khromenkov, I.A. - Irkutsk Flour Mill is an enterprise of communist labor. p. 3.
- Gusev, V. - Train personnel for the procurement of the grain of new crops without delay. p. 5.
- Kosunov, O. - Problems of the preparation of the technical equipment in Kazakhstan. p. 8.
- Naigauz, A. - We use a grain cleaner with continuous flow of grain. p. 9.
- Shkudov, R., Leticheskii, L. - Construction and utilization of the capital assets at the enterprises of the Stavropol Administration of Grain Products. p. 10.
- Malasai, V. - New continuous lines for receiving and processing grain at the Kongur Milling Combine. p. 14.
- Rasulev, E. - Attachment for handing grain certificates to motortruck drivers. p. 15.
- Lopukhov, M. - Be prepared for an organized, continuous unloading of motortrucks during the procurement period. p. 16.
- Segeda, D. - Reconstruction of the drive of the MKP-30s corn sheller. p. 17.
- Kondrat'ev, E., and others. - Practices in the use of double-deck machines for scouring of millet at the Orenburg Grain Plant. p. 18.
- Cherniaev, N. - Conveying grain in air conduits. p. 20.
- Krichigin, B. - Device for pressing flour in motor-trucks for transportation. p. 23.
- Kemmer, A., and others. - Pneumatic tube with a felt filter for testing pneumatic machinery. p. 24.
- Kochetkov, L. - Scientific technological information in the system of grain products in 1965. p. 25.
- Andronov, V., and others. - Reduced modulus of elasticity of the rolls in roller mills. p. 27.
- Maksimchuk, B., Krivosheina, A., Krichigin, B. - "Instructions in safety measures for working with ventilating and pneumatic conveying installations" by M.A. Tartakovskii. p. 31.
- Grublat, A. - The need of books on recent developments with the generalization of accumulated practices. p. 32.
- Viktor Grigor'evich Shitel'man; an obituary. p. 32.

OBSCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce]. Moscow, nos. 6-7, June-July 1965.

SHVEINATA PROMYSHLENNOST' [CLOTHING INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, no. 2, Mar-Apr. 1965.

- Table of contents translated:
- Producing only excellent quality clothing is a serious problem facing the clothing industry workers. p. 1.
- Basalygo, L.I., Korlakova, L.V. - Improving the wage and occupation classification for clothing industry workers. p. 4.
- Udalov, M.V. - Progressive system of operation and production planning and accounting. p. 8.
- Kloizner, Kh.M. - Experience in the generalization of information on the expenditure of basic fabrics. p. 11.
- Ermolov, V.A. - Centralized dust removal in clothing factory shops. p. 16.
- Ivanov, M.N. - Application of high-speed photography for studying the dynamics of thread movement in high-speed sewing machines. p. 18.
- Kulichev, A.F. - New styles of children's clothing. p. 20.
- Shan'gina, V.F., Ivanova, T.M. - Particular characteristics of the construction of clothing from double fabrics. p. 26.
- Romanov, G.N. - Redesigned SM-2 sewing machine for facing sleeve bottoms. p. 30.
- Burina, O.F., Khamish, L.A. - Produce high-quality children's clothing. p. 31.
- Rusakov, S.I. - Organization of the independent work by students of correspondence schools. p. 33.

\*SVAROCHNOE PROIZVODSTVO [WELDING PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 4(340), Apr. 1965.

- Table of contents translated:
- Larin, G.N., Bazhenov, V.V. - Formation of a metastable structure with spheroidal and lamellar forms of graphite in cast iron in the welding process. p. 1.
- Gokhsel'd, D.A. - Mechanism of the growth of deformation under the repeated effect of a moving heat source. p. 4.
- Kudilov, V.V. - Heating of parts during metalization. p. 6.

- Avdeev, M.V., Ryzhkov, N.A. - Distribution of temperature during weaving-arc build-up welding. p. 9.
- Vornoyakli, I.N., Mazel', A.G., Sbarskaya, N.P. - Calculated method of determining the quantity of electrode coatings for arc welding. p. 10.
- Tal'kevich, A.S. - Prospects for the expansion of techniques of welding main pipelines. p. 12.
- Petrov, A.V., Slavin, G.A., Shtrikman, M.M. - Automatic welding with a consumable electrode on a vertical plane. p. 15.
- Shakhmatov, V.M., Rudakov, A.S., Podkorytov, I.A.T. - Butt welding of cast iron sewer pipes with shaped fittings. p. 18.
- Kassov, D.S., and others. - Automatic welding of aluminum under ceramic flux. p. 20.
- Rubanovich, B.B., Itskovich, A.A., Slinakovskii, V.A. - Spot welding over glue of structural elements. p. 22.
- Gorshkov, A.I. - Causes of pore formation in titanium welded joints. p. 25.
- Livshits, L.S., Shtova, N.V. - Corrosion resistance of K18N8T steel joints welded in carbon dioxide. p. 28.
- Vengrlovich, V.L., and others. - Resistance welding of thin walled aluminum and copper tubes. p. 31.
- Parasjuk, P.F. - Welding up pouring defects on G13L steel castings. p. 32.
- Lositskii, N.T. - Electrodes for welding-up casting defects of complex alloy structural steel. p. 33.
- Kashechuk, M.G. - Welding with a small diameter powder wire. p. 34.
- Borzenkov, A.A. - Soldering fittings to flexible metal hoses in an atmosphere of dissociated ammonia. p. 35.
- Tataruk, N.F. - Machine for soldering band saws. p. 36.
- Korolev, N.P., Lebedev, V.E. - Welding objects made of the AMgSB alloy on the MTP-75 machine with a voltage booster. p. 36.
- Larkov, A.V. - Manipulator for welding small parts. p. 37.
- Chubukov, A.A., and others. - The OGN-12 automatic welder for welding girth joints. p. 37.
- Friction welding equipment. p. 39.
- Valner, Sh.A., and others. - The FOS-1sh automatic gas cutting machine. p. 39.
- Marsanova, G.A. - List of documents of the International Welding Institute received by the National Committee of the U.S.S.R. on welding from August to December, 1964. p. 40.
- Boeva, K.I. - Welding equipment at the Exhibition of the Achievements of the National Economy of the U.S.S.R. in 1964. p. 42.
- Asrlants, V.A. - Welder's conference in Yaroslavl. p. 45.
- Volkov, V.A., Vakar, T.K. - Conference on the mechanization of welding operations in agricultural machinery construction. p. 46.

No. 5(341), May 1965.

- Table of contents translated:
- Twentieth anniversary of the victory over the fascist invaders. p. 1.
- Taran, V.D., Gagen, I.G. - Forces affecting the arc in a magnetic field. p. 3.
- Smirnov, A.G., Lyubavskii, K.V. - Investigating heat affected zones in 25KHSNVEA and VL-10 steel. p. 5.
- Kurkin, S.A., and others. - Unit for the testing of experimental models of welded thin-walled vessels under double axial tension. p. 9.
- Sidoruk, V.S. - Dependence of the structure of crystals in a weld on the technological parameters of welding conditions. p. 11.
- Buki, A.A., Astaf'ev, N.N. - Causes of the burning out of the parent and filler metal in weaving arc hard facing. p. 14.
- Kobylanskii, L.F., Peshekhonov, V.D. - Distribution of elements in the nugget during spot welding of heterogeneous metals. p. 16.
- Shchirzhetskii, M.N. - Oxidation processes in the formation of metallized layers. p. 17.
- Nesvetayev, I.U.A. - Methods of the economic evaluation of the efficiency of modern welding processes. p. 18.
- Kurkumeli, A.A., and others. - Automatic welding with a three-phase arc of the AMgSB alloy in assembly operations. p. 20.
- Shapiro, I.S., and others. - Preparation of edges on stainless steel for welding, by air-arc cutting. p. 22.
- Donchenko, V.F. - Substantiating the parameters for conditions of automatic welding under flux of butt joints with gaps. p. 25.
- Veretnik, I.D., Brigidin, V.I. - Welding of K18N10T and U8A steel hockey skates. p. 28.
- Ryzhkov, N.I., Antselevich, V.D., Samoilenko, V.E. - Manufacturing welded derrick of boring rigs. p. 30.
- Khristoforov, A.I. - Friction welding of boring bit blanks. p. 32.

- Moskalev, A.N., and others. - Oxygen lance piercing of 200-400 mm openings in metal with a jet-type torch. p. 34.
- Lomakin, V.S. - Examples of metal saving. p. 35.
- Petshauer, A.V., Malinin, V.A., Korotkiy, I.U.M. - Welding under flux of 40x50mm copper rings. p. 35.
- Sheherbalykh, V.A. - Universal swivel-type welding head. p. 36.
- Kotarik, A.A., Ananishvili, G.M. - Modernizing the electric circuit of the R-912 automatic welder. p. 37.
- Slepukha, V.T. - Formation of surfaces free of oxide films in diffusion bonding in a vacuum. p. 38.
- Antonov, I.A., Vasil'ev, K.V., Segalova, O.I. - Standardization of equipment for gas-electric severance cutting. p. 40.
- Concerning the Congress of the International Welding Institute in 1965. p. 42.
- Marsanova, G.A. - Annual report of Commission IX "The behavior of metals during welding" at the Congress of the International Welding Institute in Helsinki, Finland in July, 1963. p. 42.
- Kuzmak, E.M. - All-Union topical conference on the weldability of heat treated low alloy steel. p. 45.
- Zhuravleva, N.A. - Conference on the manufacture of electrodes for resistance welding machines. p. 46.

## g. MECHANICAL ENGINEERING

AKADEMIA NAUK SSSR, Izvestia, Energetika i Transport [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin, Power Engineering and Transportation]. Moscow, no. 2, Mar-Apr. 1965.

- Table of contents translated:
- Neiman, L.R. - Problems of power systems with large electric current converters. p. 3.
- Kostenko, M.V. - Basic problems of high-voltage in power engineering, electrical engineering, and physics. p. 12.
- Krumm, L.A., Syrov, I.U.P. - Methods for overall optimization of daily and long-term modes of operation of unified power systems with hydroelectric power stations. Part 2. p. 32.
- Karpov, V.G. - Optimization in competitive situations in the solution of power engineering problems. p. 43.
- Sternin, L.D. - Construction and dynamics of frequency and power control systems. p. 50.
- Novik, I.B. - Value of a generalized approach in modeling. p. 62.
- Mol'nikov, N.A. - Modeling and equivalent representation. p. 66.
- Savchenko, R.G. - Modeling of nonlinear processes in R.L. circuits switched to d.c. p. 69.
- Zhukov, L.A. - Simplifying transformations of the equivalent circuits of complex electrical systems. p. 70.
- Tatlov, M.A. - Conditions of self-excitation and equivalent representation of a group of similar synchronous machines. p. 84.
- Ledianskiy, D.P., Ageev, A.I. - Characteristics of an equivalent generator for a group of regulated machines. p. 89.
- Bobolov, O.S. - Equivalent representation of the automatic control system of identical units in parallel operation. p. 101.
- Mol'nikov, N.A., Poletayeva, E.S. - Method for the simultaneous calculation of closed-loop electrical networks with several nominal voltages. p. 112.
- Sychov, V.V., Zerkovich, V.B., Andrianov, V.V. - Effect of the resistances of a protective circuit on the transition process of a superconducting solenoid to normal state. p. 117.
- Kononov, V.P., and others. - Compensation of rotor oscillations of a synchronous motor fed from a rectifier converter. p. 123.
- Levin, A.A., Polikovskii, V.I. - Calculation of the pressure characteristic of centrifugal pumps and ventilators with zero expenditure. p. 129.
- Loshkarov, A.I. - Theory of the erosion wear of the blade apparatus of centrifugal turbines. p. 134.
- Tsypilin, M.I. - Concerning I.T. Shvets, and E.P. Dyban's "Development and study of air cooling systems of gas turbine units". p. 147.
- Shvets, I.T., Dyban, E.P. - Reply to M.I. Tsypilin's remarks. p. 149.
- Orlov, P.P. - In the department of physical and technical problems of power engineering. p. 151.
- Alad'ev, I.T., and others. - L.N. Khil'man; obituary. p. 159.

AKADEMIA NAUK SSSR, Sibirskoe otdelenie, Transportnoenergeticheskii institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R., Siberian Department, Transportation and Power Institute, Transactions]. Novosibirsk, no. 15, 1964, Ice and temperature regime of rivers of Siberia and its change in the construction of a hydroelectric power station.

- Table of contents translated:
- Korzhavin, K.N. - Winter regime of rivercourses of Siberia and problems of its study. p. 3.

- Butlagin, I. P. - Thickness and structure of the ice cover of the Novosibirsk Reservoir. p. 11.
- Ergin, V. P. - Shift of the freezing edge in the tail water of the Novosibirsk Hydroelectric Power Station. p. 24.
- Liser, I. A. - Effect of freezing conditions on the thickness of the ice cover of rivers. p. 29.
- Liser, I. A., Samochkin, V. M. - Characteristics of the freezing of the Angara under conditions of significant contraction of the channel at the Bratsk Hydroelectric Power Station. p. 37.
- Gotlib, I. A., Lylo, V. M., Smolin, N. I. - Calculation of the ice and temperature regime of the tail water of the Bratsk Hydroelectric Power Station during operation. p. 45.
- Butlagin, I. P., Liser, I. A., Samochkin, V. M. - Passage of ice through the dam of the Bratsk Hydroelectric Power Station during the debacle of the Angara in 1960-1961. p. 51.
- Korzhavin, K. N. - Some problems of the action of ice on structures of great length. p. 60.
- Butlagin, I. P. - Strength of the ice cover in spring. p. 67.
- Plukhin, F. I. - Effect of the deformation rate on the limit of strength of river ice. p. 77.
- Bulyr', A. A. - Prolongation of navigation by the delay of fall ice formation. p. 93.
- Morgunov, V. K. - Results of full-scale determination of the dynamic ice pressure on structures by the kinematic method. p. 110.
- Morgunov, V. K. - Accuracy of determining the dynamic ice pressure on structures by the kinematic method. p. 116.
- Gossman, V. A. - Ice drift during the maximum flood level in the lower reaches of the Yenisei. p. 133.
- Bydin, F. I. - Hungarian studies on problems of ice research. p. 140.
- AVTOMOBIL'NYE DOROGI [HIGHWAYS].** Issued by Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee of Construction for the Transportation Industry in the U.S.S.R.]. Moscow, vol. 28, no. 2 (268), Feb. 1965.
- Table of contents translated:
- Roads, traffic safety and national economy. p. 1.
- Babkov, V. F. - Numbers and facts. p. 2.
- Koroglu, L. A., Shinnov, V. V. - Constructing an additional lane on ascending roads. p. 5.
- Ivanov, V. N. - Utilization of the width of the trackway by motor vehicles. p. 8.
- Vlasov, G. F. - Use modern communication systems in road maintenance units. p. 9.
- Alekseev, I. T. - Road maintenance sections are self-supporting. p. 10.
- Gradevskii, I. A., Kusakin, I. - More about the hinged pipes designed by engineer A. K. Godyna. p. 10.
- Makharova, A. G. - Maintenance of temperature seams in cement-concrete pavements. p. 11.
- Zakharov, V. A. - Hot-laid bituminous pavements under Far North conditions. p. 13.
- Arkhilpenko, V. - Krasnoyarsk-Abakan. p. 14.
- Rossov, A. A. - Bituminous rubble pavements in the Crimea. p. 15.
- Popova, R. A., Stupakova, L. F. - Earth roadbed made of excessively saline soils. p. 16.
- Ageev, D. N., Dollos, K. P. - Using reinforced clay-like concrete in bridge construction. p. 17.
- Chomakin, G. M. - Claylike concrete pavements. p. 20.
- Khrulev, V. M. - Using synthetic adhesives in road construction. p. 21.
- Kuznetsov, A. P. - Frost resistance of cemented road materials. p. 23.
- Valls, D. A. - By-roads and belt-line highways, technical and economic substantiation. p. 25.
- Stutskii, E. I. A., Chokalov, M. F. - Increase the stability of bank piers and cones of medium-size bridges. p. 27.
- Robtashvili, G. V. - Comments on the article "Do you approve of my suggestions?" p. 28.
- 75 years. p. 3 of cover.
- AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION].** Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and Tsentral'nyi komitet Profsoyuza rabotnikov aviatsii, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol. 43, no. 2, Feb. 1965.
- Table of contents translated:
- Blazhevich, S. - Toward a better utilization of the production and technical base. p. 1.
- Kadykov, N. - Collective struggles for a place of honor. p. 4.
- Kadochnikov, A. - Toward a perfect organization of labor. p. 8.
- Organizing centralized haulage. p. 8.
- Bakurin, A. - Scheduled delivery of small-size freight. p. 9.
- Zaonchik, L. - Central interbranch operational service. p. 11.
- Dovin, V. - Motorbuses with trailers are in service. p. 12.
- Nesterenko, S. - Improve the organization of inter-urban haulage. p. 13.
- Shashkin, P., Bral, I. - Reclamation of used oils. p. 15.
- Shul'kin, L. - Repair method by units and sections is in action. p. 17.
- Gaba, I. A. - Maintenance and repair of the GAZ-53F motortruck. p. 19.
- Karpekin, P., Shcheslavskii, A. - New garage equipment. p. 20.
- Zhestovskii, V. - Specialized plant for repairing motor-vehicle engines. p. 23.
- Kobrin, M., and others. - Increasing the strength of frames by hammer hardening. p. 26.
- Mikhailov, S., Zavorotnyi, R. - The new GAZ-66 motortruck. p. 28.
- Ryzhko, L. - Using the IAMZ-238 V-engine for the KRAZ motor vehicles. p. 33.
- Kepikov, T., Lapshin, I. - More attention to the introduction of internal cost accounting in automotive transportation units. p. 36.
- Lavrova, T. - Organization of the accounting and economic analysis. p. 38.
- Datalov, A. - Infallible remedy for the improvement of technical and economic indices. p. 39.
- Mizulov, V. - New remuneration conditions for workers of the educational institutions. p. 40.
- Traffic organization and safety. p. 42.
- Training specialists. p. 47.
- Exchange of experience. p. 50.
- Information. p. 54.
- Vol. 43, no. 5, May 1965.
- Table of contents translated:
- Main attention to the transportation of new crops. p. 1.
- Andreev, A. - Development and growth of automotive transportation in White Russia. p. 3.
- Working conditions should be healthy and safe everywhere. p. 4.
- Chukovich, V. - Improve educational work every day. p. 7.
- Neiman, A. - For a perfect organization of work. p. 8.
- Iakobashvili, A. - Interurban freight haulage in the Moscow transportation junction. p. 12.
- Afanasev, V. - Unified management of freight haulage and road maintenance. p. 15.
- Lis, A. - Passenger service in interurban bus traffic. p. 17.
- What are the guiding principles in the construction of motorbus stations and terminals. p. 19.
- Gal'burt, A., Vorobel, A. - Centralizing the maintenance of motor vehicles. p. 22.
- Sychinskii, V. - Overall mechanized areas for tire maintenance. p. 24.
- Miroshnichenko, A. - Organization of the maintenance and repair by units and sections in White Russian automotive transportation units. p. 28.
- Sudakov, I. U. - Conveyor for the maintenance of taxicabs. p. 27.
- Ogushevich, M. - Automatic fuel-filling gun. p. 29.
- Cherednichenko, P., Pesenko, A. - Life of the M-21 engines. p. 30.
- Aliev, A. - Imbalance of the cardan shaft and its elimination. p. 33.
- Grankin, G. - Increase the responsibility for saving internal working capital. p. 35.
- Wages of automotive transportation workers. p. 37.
- Takunov, G. - Paid mileage and work quality. p. 38.
- Vysotskii, M. - Development of motor vehicle designs at the Minsk Automobile Plant. p. 40.
- Starinskii, A., Gomma, E., Akopian, R. - Pneumatic system of the LAZ-690A motorbus. p. 44.
- Traffic organization and safety. p. 47.
- Training specialists. p. 48.
- Exchange of experience. p. 52.
- Information. p. 55.
- Vol. 43, no. 6, June 1965.
- Table of contents translated:
- Shchupliakov, S. - New and advanced developments should be used in the mechanization of the maintenance and repair of motor vehicles. p. 1.
- Pankratov, N. - Ways for reducing labor consumption and expenses in the maintenance and repair of motor vehicles. p. 2.
- Kolychev, A. - Present status and future development of the production of maintenance and repair equipment. p. 4.
- Karpekin, P. - Basic trends in the development of new designs of service station equipment. p. 6.
- Rubina, V. - Unit method for the maintenance and repair of motor vehicles in specialized departments. p. 8.
- Klibbel', F., Ivanov, I. U. - Trends in the development of the production of service-station equipment and its supply to automotive transportation units. p. 10.
- Garasev, S. - Jet unit for washing motortrucks. p. 12.
- Pankov, V. - Equipment for washing automobiles. p. 14.
- Bospalov, P., and others. - Equipment for washing and drying motorbuses and motortrucks. p. 16.
- Automatic unit for motorbus washing. p. 18.
- Garanin, A. - Defect-detection station. p. 20.
- Kovylin, A. - Nut runners. p. 23.
- Khobotov, V. - Hoisting jack for the exchange of motortruck units. p. 25.
- Continuous heater of lubricant grease. p. 27.
- Matiukhin, V. - Optical stand for checking and adjusting wheel alignment. p. 28.
- Zhubenko, V. - Mobile motor-vehicle community. p. 30.
- Lisitsyn, A. - Maintenance under rural conditions. p. 32.
- Rubets, D., Leshchinskii, E. - Unit for testing carburetors. p. 33.
- Stand for testing shock absorbers. p. 35.
- Blinskii, K. - Ultrasonic unit for cleaning small parts. p. 36.
- Device for grinding valve seats of diesel engines. p. 37.
- Tseitlin, G., Gol'dshein, A. - Stand for testing gas equipment. p. 38.
- Kantsyn, A. - Stand for balancing crankshafts. p. 39.
- Kartsev, V. - Device for checking and straightening connecting rods. p. 41.
- Khrakovskii, M. - Stand for straightening wheel disks. p. 42.
- Gullaeov, G. - Presses for mounting and removing semiaxle cases. p. 43.
- Stands for repairing motor-vehicle engines. p. 41.
- Shcheslavskii, A. - Honing head. p. 47.
- Guslits, V. - Holsts used in the maintenance of motor vehicles. p. 48.
- Zel'dis, M. - Electromechanical jacks. p. 50.
- Hydraulic jacks. p. 50.
- Zaporozhskiy, A. - Tire-mounting and tire-repairing equipment. p. 52.
- Leonov, I. - Stand for dismounting motortruck tires. p. 54.
- Zhukov, V. - Optical device for evaluating the quality of the roughened surface of rubber. p. 55.
- Moisture meter for determining the moisture content of tires. p. 55.
- Sobolev, V., Indiki, E. - Organization of a tire-repair shop in a large automotive transportation unit. p. 56.
- At the Ministry of the Automotive Transportation and Highways of the R.S.F.S.R. p. 59.
- BRYANSK. INSTITUT TRANSPORTNOGO MASHINOSTROENIYA, Bezhitsa. Sbornik trudov [INSTITUTE OF THE MANUFACTURE OF TRANSPORTATION EQUIPMENT. Papers].** Moscow, no. 23, 1964. Molding and mixtures with a soluble glass binder.
- Table of contents translated:
- Maidanov, M. P. - Ways of improving the knockout properties of core mixtures with a soluble glass binder. p. 3.
- Basov, K. I., Kucherov, A. I. - Combination soluble glass mixtures with improved knockout properties. p. 13.
- Koz'min, N. M. - Improving the knockout properties of foundry sand mixtures with a soluble glass binder in conditions of large-batch production of steel castings for railroad cars. p. 21.
- Basov, K. I., Kucherov, A. I. - Using quick-hardening mixtures with a soluble glass binder for large, shaped steel castings in conditions of small batch production. p. 29.
- Averin, E. K. - Soluble glass production practices. p. 37.
- Afanasev, N. V., Maidanov, M. P. - Sand cooling equipment. p. 41.
- Afanasev, N. V. - New method of compacting a core mixture in the core box with a flow of compressed air or carbon dioxide. p. 51.
- Afanasev, N. V., Il'in, A. S., Katonov, P. A. - Investigating the performance of a slingor head with a tangential sand mixture feed. p. 62.
- ELEKTRICHEKSI I TEPILOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION].** Organ of Ministerstvo putei soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 9, no. 4 (100), Apr. 1965.
- Table of contents translated:
- Legostae, E. A., Tsakhilov, P. A. - High standards of production and the elements of a scientific organization of work. p. 3.
- Chirkov, A. P., and others. - Performance of the 2D100 diesel locomotive engine at a reduced number of revolutions under the conditions of idel running. p. 9.
- Shubnikov, P. F. - Our potentials for a further reduction of electric power consumption for train traction. p. 12.
- Remennikov, B. N. - Efficient circuit of excitation and ignition for the ARMVN-750x6P rectifier. p. 13.

- Fuks, N. L. - Some characteristics of the grounding of electric power supply systems. p.15.
- Fal'shtmidt, I. S. - New circuit for the starting of the TE3 diesel locomotive engine. p.16.
- Dunaev, N. I. - What can be learned from our experience in the transfer of the section to diesel traction. p.17.
- Papayin, G. A. - Electric circuit of the 2T10L diesel locomotive. p.18.
- Rakov, V. A. - Electric series Ch82T passenger locomotive with rheostatic braking (Electric circuits and brief description of their work). p.23.
- Chertnenkov, V. P. - Three failures of the equipment of the VL8 electric locomotive. p.25.
- Kosov, I. U. G. - "Ground" in the power circuit. p.26.
- Gudkov, N. F., Grigorov, P. A. - The accident was uncommon, but it calls for serious conclusions. p.27.
- Ryzhkov, V. E. - What caused the failure of the shaft of the main controller? p.28.
- Rodnyi, I. V. - Electric trains in the Carpathian Mountain Region should be provided with regenerative braking (letter to the editor). p.28.
- Vukolov, L. A. - Brake shoes made from a composition material and the characteristics of their operation on trains. p.29.
- Zorokhovich, A. E. - Some problems of the theory of the reliability of electric systems. p.32.

**ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION].** Organ of Gosudarstvennyi komitet tiazhego, energeticheskogo i transportnogo mashinostroyeniya pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroyeniya i promyshlennosti [State Committee for the Manufacture of Heavy, Power, and Transportation Machinery, Attached to the State Planning Committee of the U.S.S.R. and the Scientific Technological Society of the Machinery Industry], Leningrad, vol.11, no.3, Mar. 1965.

Table of contents translated:

- Shegolev, G. S. - Development of hydraulic turbines in the Leningrad Metalworking Plant (22d Congress of the CPSU) in the past 40 years and its future objectives. p.1
- Malyshev, V. M., Kuzminskii, S. S., Anosov, F. V. - Research on the construction of hydraulic turbines at the Leningrad Metalworking Plant (22d Congress of the CPSU). p.3.
- German, A. N. - Development of the automatic control of power units in hydroelectric power plants in the U.S.S.R. p.8.
- Granovskii, S. A. - Development of hydraulic turbine designs in the Leningrad Metalworking Plant (22d Congress of the CPSU). p.10.
- Shelopugin, B. N. - Construction of regulators in the Leningrad Metalworking Plant (22d Congress of the CPSU). p.14.
- Robuk, N. N. - Construction of hydraulic turbines in the S. M. Kirov Turbogenerator Plant in Kharkov. p.15.
- Vakhrushev, B. A. - Construction of hydraulic turbines in the Ural Hydraulic Machinery Plant. p.18.
- Gol'din, V. E., Korovin, A. N. - Adjustable-blade hydraulic turbines for high-pressure operation. p.21.
- Melovnikov, A. A. - Horizontal adjustable-blade hydraulic turbines with high operating speed. p.23.
- Umikov, I. N. - Standardization of the power equipment of hydroelectric power stations. p.25.
- Bronovskii, G. A., Gal'perin, M. I. - Some special features of the manufacture of turbines for the Krasnoyarsk Hydroelectric Power Station. p.32.
- Plynev, N. I., Ponomarev, V. I. A. - Use of plastics in hydraulic turbines. p.34.
- Barkov, N. K. - Auxiliary equipment for hydraulic turbines. p.38.
- Smirnov, M. I. - Determination of the size of vacuum break valve for hydraulic turbines. p.39.
- Kantor, B. I. A. - Characteristics of the inside surface of the blade of an axial-flow hydraulic turbine. p.41.
- Poretakin, M. O. - Fortieth anniversary of the construction of hydraulic turbines in the Leningrad Metalworking Plant (22d Congress of the CPSU). p.43.
- Poretakin, M. O. - Chronology on the construction of hydraulic turbines in the Lenin Metalworking Plant (22d Congress of the CPSU). p.44.
- Babadshandil, M. I. - Breaking of the rotor bolts of a Francis-type hydraulic turbine. p.45.
- Bibliography on the construction of hydraulic turbines in the Lenin Metalworking Plant (22d Congress of the CPSU). p.46.
- Filippovich, S. A. - Dimensionless characteristics coefficients for hydraulic machines. p.47 of cover.

the heat  
ng

as

- Griankin, L. P. - Approximate method for calculating velocities in the blading of a hydraulic torque converter. p.8.
- Baryshnikov, G. A. - Effect of the basic cycle parameters on the efficiency of a two-cycle composite engine. p.12.
- Grunauer, A. A., Dik, V. A. - Regulator for low-power diesel-generator systems. p.17.
- Berdinski, A. A. - Method for the approximate calculation of the temperature of steam turbine rotors in steady operation. p.19.
- Shavut, F. V. - Rings for hermetic sealing of high-speed shafts of centrifugal compressors. p.22.
- Khachian, A. S., and others. - The GDGA-48 automated engine-generator system with an 80 hp. 6GCh 12/14 gas motor. p.28.
- Bochkov, I. S. - Determination of the degree of applicability of substituted components in steam turbine manufacture. p.31.
- Zhuravlev, A. S. - Testing of thick-plate boiler steel. p.33.
- Vysotskii, A. A., Zobachev, I. U. E. - Protection of metals from cavitation damage using anticorrosives. p.34.
- Gogolev, A. I. A. - Calculation of the tube plates of heat exchangers with truss bolts. p.37.
- Khanin, G. A., Gorodetskii, O. A., Tait'linkin, A. P. - The TN-2000-12/18 low-expenditure supercharger. p.39.
- Aleksandrovskii, G. G., Zimichev, I. U., Zingerman, I. I. - Device for measuring the eccentricity of steam turbine rotors. p.42.
- Kolliorov, L. K. - Fortieth Anniversary of the Central Research Institute of Diesel Engines. p.43.
- Patel, V. A., Shostakovich, B. V. - Study of the heat buckling of a high-temperature cylinder. p.44.
- Lenin, I. M., Popyk, K. G. - Review of the textbook "Internal combustion engines" in three volumes. p.45.
- Shapiro, I. V. - American power unit with 1000 Mw. rating for the Ravenswood power plant. p.46.
- Maksimov, V. M. - Boiler unit with 1000 Mw. rating. p.47.
- Maksimov, V. M. - Boiler unit with 1000 Mw. rating. p.47.
- Krylov, E. I. - Explosion in the crankcase of an engine. p.3 of cover.

Vol. 11, no.5, May 1965.

Table of contents translated:

- Kuznetsov, L. A., and others. - Principal results of the tests of an experimental industrial GT-750-6 turbine system. p.1.
- Gol'dzin, N. M., Ivashchenko, M. M., Kuznetsov, E. F. - Experimental study of the cooling system of the rotor of a gas turbine. p.5.
- Pomerantsev, V. V., and others. - Operation of the V. V. Pomerantsev high-speed Tekh furnace on waste wood. p.7.
- Zaitsev, D. A., Borshadskii, S. A., Zhovelluk, E. M. - Temperature conditions of the cylinder-piston group of a free-piston diesel compressor. p.10.
- Proskuriakov, G. V. - Choice of the optimum degree of reactance of gas turbine stages with unbanded blades. p.14.
- Rominson, L. S., Boldyrov, I. V. - Improvement of operational parameters of diesels with jet mixture formation and small air excess by means of a fuel vortex. p.18.
- Savitskii, T. A. - Study of heat emission and aerodynamic resistance in the wave channels of a laminar heating surface. p.21.
- Zakharovskii, I. U. V. - Determination of running pressures in the cylinder of a diesel during combustion. p.25.
- Topunov, A. M., Tikhonov, B. A. - Design of two-stage compressors. p.29.
- Neiman, Z. N. - Indices of production and labor productivity. p.32.
- Morozov, D. I. - Increase in the efficiency of the exhaust ducts of turbines. p.35.
- Polushkin, N. P. - Results of tests under actual operating conditions designed to determine the power characteristics of the gate apparatus of adjustable-blade hydraulic turbines. p.38.
- Barskii, I. A. - Change of the parameters of a heat exchanger in nonsteady operation. p.40.
- Iasorlin, A. S., Estorkin, R. I., Tsylin, V. M. - Choice of single-nozzle ejection-type gas burners with complete mixing. p.42.
- Chernikhovskii, I. N., Blakina, S. L. - Use of turbo-compressor equations in studying the operation of a control system approaching surge conditions. p.43.
- Zhuravlev, V. G. - Universal model characteristics of the relative increments of hydraulic turbines. p.44.
- Suponskii, N. Z. - Letter to the editor. p.46.
- Budagian, R. G. - Heat networks of steam-gas systems. p.47.
- Krylov, E. I. - Detonation in engine crankcases. p.49.

**FIZIKO-KHIMICHESKAYA MEKHANIKA MATERIALOV [PHYSICO-CHEMICAL MECHANICS OF MATERIALS].** Issued by Otdeleniye fiziko-tekhnicheskikh problem materialovedeniya Akademii nauk Ukrainy SSR [Department of the Physicochemical Problems of the Study of Materials of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 1, no. 2, 1965.

Table of contents translated:

- Zanozina, Z. M., Kochanova, L. A., Shchukin, E. D. - Reduction of the strength of glass under the action of microscopic defects produced at its surface. p.127.
- Brinkhanova, L. S., Andreeva, I. A., Likhman, V. I. - Reduction of the surface tension of solid metals caused by the adsorption on their surfaces of atoms of surface-active metal molts. p.134.
- Zadumkin, S. N., Karashaev, A. A. - Interphase surface energy of metals at the boundary with dielectric fluids. p.139.
- Tkachenko, N. N. - Similarity criteria of the process of mercury action on brass. p.142.
- Tkachenko, N. N., Vasilenko, I. I., Karpenko, G. V. - Modeling the process of chemical dissolution of geometrically similar specimens. p.144.
- Pogoretzki, R. G. - Statistical factor in the scale effect in cyclic strength testing of steel. p.147.
- Aleshkin, F. I. - Nomograph of the stress resource. p.151.
- Lokshin, M. A., Shkurupil, G. I., Mamon, L. I. - Critical equations for calculating contact packages operating under semifluid friction conditions. p.162.
- Vasilenko, I. I., Karpenko, G. V., Karpenko, I. V. - Corrosion cracking of hardened steel in the presence of white nonpitting layers on the surface of steel. p.167.
- Karpenko, I. V., Gutman, E. M., Minduk, A. K. - Electrochemical properties and chemical resistance of a white layer. p.172.
- Vasilenko, I. I. - Corrosion cracking of carbon steel. p.182.
- Karlashov, A. V., Tomnikov, I. U. V. - Corrosion-fatigue strength of duralumin in the presence of stress concentrators. p.188.
- Maksimovich, G. G., Ianchishin, F. P., Drozd, N. P. - Effect of grain size on lasting strength of the microspecimens of Armo iron. p.193.
- Perederienko, E. I., Iarema, S. I. A. - Structural strength parameters. p.198.
- Kuslitakii, A. B. - Effect of the impurity of metal on the cyclic strength of hardened steel. p.203.
- Boltarovich, A. V., and others. - Effect of heat treatment on the structure, engineering characteristics and corrosion properties of the VTZ-1 alloy. p.209.
- Starovoltov, I. U. A., Kuslitakii, A. B., Il'ina, G. V. - Effect of complex alloying with manganese, tungsten and molybdenum on corrosion-fatigue strength and corrosion resistance of StKh 15 steel. p.214.
- Shults, I. U. A., and others. - Effect of structural dispersity on the properties of medium carbon cast steel. p.218.
- Abramov, V. V., and others. - Engineering properties of DI-1 steel at high temperatures. p.221.
- Budnikov, P. P., Matveev, M. A., Kharitonov, P. I. A. - Effect of water and high-temperature steam on structural ceramic materials. p.225.
- Gorokhovskii, G. A., Gelotukin, G. E., Kravchenko, V. G. - Field for efficient use of adsorption high-molecular materials and the nature of phenomena accompanying their work. p.231.
- Severin, P. A., Afanas'ov, V. F. - Investigating anti-friction properties of metal-reinforced polymer materials in gaseous media and in a vacuum. p.237.
- Effect of loading frequency on the fatigue strength of steel. p.243.
- Pokhmurakii, V. I., Boltarovich, A. V., Iaboi, I. U. - Effect of machining on the fatigue strength of Kh17N2 and Kh17N5M3 (9N-3) steels. p.244.
- Kuslitakii, A. B., Rjabov, B. F. - Chamber for fatigue tests of rotating specimens in an atmosphere of vapors or heated air. p.247.
- Scientific council on the problem "Physicochemical mechanics of materials." p.250.

**KRASNOYARSK, SIBIRSKII TEKHOLOGICHESKII INSTITUT. Trudy [SIBERIAN TECHNOLOGICAL INSTITUTE. Transactions], Vol. 33, 1962. Forest engineering.**

Table of contents translated:

- Gorlunov, I. S. - Double-duty hand brake for the rolling stock of narrow-gauge logging railroads. p.3.
- Shelopaev, G. I. - Determining the calculated value of the modulus of the deformation of road soils. p.12.
- Gorlushkin, N. N. - Possible way of prolonging the road construction season at logging camps in Krasnoyarsk Territory. p.22.
- Shelopaev, G. I. - Improving the stability and water resistance of loamy soils by the addition of furfural-aniline resins. p.32.
- Protopopov, N. P. - Prestarting heating of motor vehicle engines in winter. p.38.

- Protopopov, N.P. - Characteristics of starting motor-vehicle engines under conditions of low temperatures. p. 44.
- Vasil'ev, M.A. - Theoretical bases for designing cam mechanisms. p. 54.
- Svazkin, I.U.A., Konolupova, A.T., Sokolov, G.V. - Use of lumber transportation machinery with diesel engines. p. 58.
- Gaidach, P.B. - Apparatus for measuring the stress in the traction part of winch units. p. 67.
- Gorushkin, N.N. - Device for studying the abrasive characteristics of frozen soils. p. 74.
- Litsman, E.P. - Calibration and methods for the analysis of power oscillograms and diagrams. p. 82.
- Kondrat'ev, V.I., Sokolov, P.N. - Studying operating conditions of the automatic unit of a continuous production line of bucking full-length logs. p. 86.
- Kopelevich, L.M. - Analysis of the skidding of the driving wheels of logging trucks. p. 105.
- Kopelevich, L.M. - Experimental study of the skidding of the MAZ-501 logging truck. p. 119.
- KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]** Organ of Gosudarstvennyi komitet po mashinostroyeniui pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroyeniui promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Scientific Technological Society of the Machinery Industry] Moscow, vol. 7, no. 4, Apr. 1965.
- Table of contents translated.
- Saprykin, A.A., Shofman, L.A. - Metal flow during the extrusion of variable cross-section products. p. 1.
- Shehegov, B.A. - Determining the plastic constant of metals by their hardness. p. 6.
- Renne, I.P. - Approximate value (upper bounds solution) of the amount of pressure in extruding through a conical die. p. 7.
- Dodin, I.U.S., Broymann, N.A. - Calculating forces in the expansion of ring-type blanks. p. 8.
- Neporshin, R.I. - Calculating the force of clamping of matrices with a vertical plane of splitting in the forging of an automobile ball pin. p. 12.
- Kon'kov, A.S. - Shortcomings of the state standard 7605-55. p. 15.
- Altushin, I.U.A. - Determining unit forces and minimal reductions during extrusion by the method of the upper bounds solution. p. 19.
- Medzianovskii, E.D. - Effect of transfer media on sheet metal embossing during explosive forming. p. 25.
- Klusev, I.A., Safarlanis, A.R. - Structural and operational indices of rotor assembly lines in forging. p. 29.
- Fil'kin, I.N. - Increasing the output of double action crankshaft presses. p. 34.
- Gushchina, I.I. - Nonoxidizing heating of steels and alloys in glass. p. 39.
- Maslov, A.A. - Two-stage flame-induction heating of ingots for drop forging presses. p. 42.
- Ivashkevich, V.P. - Die for two-side curling of hollow parts. p. 44.
- Saltykov, A.G., Sidorov, N.E. - Making ring-type forgings by the plugging method from low-feeder head ingots. p. 45.
- Dollak, M.S. - Hard facing of dies. p. 46.
- Mikhailov, V.K., Vasil'ev, V.D. - The AG-800N automatic centrifuge. p. 27.
- Shukarenko, M.I., Vitron, A.A. - Modernization of rolling mills. p. 28.
- Maiklu, A.S. - Modernization of the fastening unit for the connecting rod head of a crank-pipe press. p. 29.
- Kozlov, M.P. - Simple design of a changeable collet for taps. p. 30.
- Sirota, E.K., Kiselev, V.P. - Face cutter with mechanical fastening of circular nonresharpened hard-alloy plates. p. 30.
- Stral'tsova, R.D. - Automatic control and accounting for the utilization of machine tools. p. 31.
- Kiselev, V.P. - Movable draw-in countersink. p. 33.
- Skliarov, N.S. - Automatic machine for cutting vinyl-chloride tubes. p. 34.
- Knysh, P.V. - Automatic clamp for pipes and ingots. p. 35.
- Osmolovskii, A.L. - Mechanization of manual fitting work. p. 35.
- Alekseev, A.I. - Machining parts by electric erosion techniques. p. 38.
- Dubrov, G.L., Marmat, A.V. - Electrodes for machining metals by electric erosion techniques. p. 43.
- Zharov, N.T., Kusch, M.M. - Standard block system of automatic distribution of molding sand. p. 44.
- Gladchenko, A.N., Krylov, E.S., Vocherla, B.G. - Introducing sandblast mold making. p. 47.
- Dorkachev, V.I., Prikhod'ko, V.M., Tikhonov, A.A. - Double separation and distribution of used sand. p. 49.
- Kushch, M.M., Red'ko, I.U.I. - Pneumatic sand conveying at the "Krasnyi Ekkevalor" Plant. p. 50.
- Mylo, S.N., Zinkovich, P.A. - Melting cast-iron chips in induction furnaces. p. 52.
- Fiksen, N.V., Taranov, E.D., Semeniaka, G.D. - Dioxidation of steel with ferroaluminum for shaped castings. p. 55.
- Shul'te, I.U.A., Volchok, I.P. - Effect of calcium on the properties of medium-carbon steel. p. 55.
- German, V.G. - Prevention of cracks in steel castings. p. 59.
- Borodianskii, L.E., Zlobinskii, B.A. - Coremaking in hot containers. p. 61.
- Parnaliuk, P.F. - Mechanization of loading in a foundry shop. p. 62.
- New brand of stainless steel. p. 63.
- Ponomarenko, E.P. - Strength of the bond area of the steel-bronze bimetal. p. 63.
- Vinokur, B.B., Braun, M.P., Kondrashev, A.I. - Inefficiency of the use of boron steel for large articles. p. 65.
- Bobkova, N.V. - Hard alloy tools for shingling pipe ends. p. 68.
- Bogdanov, L.F., Iakovlev, P.S. - Improving the quality of brass pressing. p. 69.
- Barannik, V.P., Zagoruiko, N.K., Polutakhov, E.N. - Inhibitor and lubrication used in cold working of metals. p. 70.
- Lugla, A.A. - Anti-corrosive flux used in soldering. p. 72.
- Nechipurenko, V.G., Kokhanova, O.A. - Nitriding large parts of worm-driven machinery. p. 73.
- Zubkov, M.E., Kadaner, L.I. - Using the method of volt-ampere characteristics in regulating medium current density. p. 74.
- Slutskii, A.S., Savich, V.V., Zaimov, I.U.E. - Semi-automatic paint sprayer and drier. p. 76.
- Savich, V.V. - One-sided disk-type paint sprayer. p. 78.
- Revvo, E.B. - Effect of moisture content of the regulated atmosphere in the heat treatment of cast iron on its enameling capacity. p. 79.
- Denisenko, I.A.K. - Controlling the utilization of equipment by the method of instantaneous observations. p. 81.
- Braun, M.P., and others. - Using low-nickel and nickelless steels for pinions of tractor transmissions. p. 85.
- Oleshchenko, V.I., Zholobriukh, V.F., Markon, L.O. - Cabin made of glass-reinforced plastics for the T-74 tractor. p. 87.
- Lelik, V.A. - Running-in the D-16 engine with fresh and used oil. p. 88.
- Godun, I.I., Filimonov, A.A. - Devices for automatic control of gaps between brake shoes and brake drums of motortrucks. p. 90.
- Ryzhko, L.S. - Modernizing the automatic tower drive of the KRAZ motor vehicles. p. 91.
- Kuteyn, L.M., Starunskii, M.A. - Angular joint of screw conveyors. p. 92.
- Vasil'ev, V.D., Mikhailov, V.K. - Atomization driers for feed yeast. p. 93.
- Didenko, N.K. - Machine sets for continuous harvesting of grain crops. p. 94.
- Sheruda, S.D. - New sprayers. p. 97.
- Sinenko, N.P., Zel'des, N.L., Levkovich, S.L. - Finishing the turbocompressor for the D-70 engine. p. 100.
- Bellayev, A.G. - Reconditioning of cylinder jackets of the M763 diesel engines. p. 102.
- Author's certificates and patents. p. 103.
- No. 4(33), May-June 1965.
- Table of contents translated.
- Production of the Ukrainian machinery industry should be on a higher level. p. 3.
- Slakhrail, I.U.V. - Increasing the reliability and durability of machine tools. p. 7.
- Pelko, I.V., Lukashovich, G.I. - Increasing the wear resistance and fatigue strength of machine parts. p. 9.
- Kotkina, M.G. - Increasing the loading capacity of gear transmissions. p. 11.
- Lelik, V.A. - Increasing the wear resistance of metal cutting tools. p. 13.
- Nazarova, N.A., Zamanaskii, B.N., Totocova, L.D. - Protective coatings for valve and gate rods. p. 15.
- Bondar', M.P. - Increasing the reliability of cam-lever mechanisms of automatic single-spindle turret lathes. p. 16.
- Shul'te, I.U.A., Luney, V.V. - Effect of complex reduction on the cold resistance of medium carbon cast steel. p. 18.
- Vashchenko, K.I., Avrinskii, P.V., Varenik, P.A. - Core mixtures prepared by the sandblast method. p. 20.
- Gurarii, R.I. - Fast drying binder for core mixtures. p. 23.
- Chernetskii, V.D., and others. - Complex inoculant for cast iron. p. 25.
- Liptuga, I.V., and others. - Obtaining high-strength cast iron by smelting in cupola furnaces with a mixture of thermobranite and coke. p. 26.
- Semchuk, I.M., and others. - Introducing water-cooled steel chill molds for large-scale cast iron castings. p. 27.
- Morozov, V.N., and others. - Obtaining compact stainless steel castings. p. 28.
- Tishchenko, V.G. - Photodiode pyrometer for continuous temperature measurement of liquid cast iron. p. 30.
- Koimychuk, I.K., Sobolev, L.N. - Unit for automatic load distribution on molds. p. 31.
- Fomin, V.N. - Automatic loading and unloading of vertical drying furnaces. p. 32.
- Shevchenko, V.A., Kolotilo, D.M. - Determining the tendency of mixes with organic admixtures to pincer formation. p. 33.
- Troianovskii, V.I. - Using induction furnaces in cast-iron shops. p. 35.
- Karas', L.M., Petushkov, G.E., Oycharenko, V.P. - Surface hardening of hollow chamfers of crankshafts by stamping. p. 37.
- Iatchenko, S.V., and others. - Surface hardening of AL10V alloy by burnishing. p. 38.
- Maiklu, A.S. - Increasing the fatigue strength of parts of a disk piercing mill. p. 40.
- Evdokimov, V.D., and others. - Burnishing holes in steel parts. p. 41.
- Kapilev, N.N., Fishman, A.M. - Machining holes with burnishing broaches. p. 43.
- Kropachev, A.F. - Improving engineering properties of low-magnetic steels. p. 45.
- Gubskii, A.A. - Introducing explosion sheet stamping. p. 46.
- Evelratov, V.A., Lobanov, V.K. - Forging in a closed die with a spring compensator. p. 48.
- Izumiisev, A.N. - The RA-41P punch press with a turret head. p. 49.
- Andreev, V.I., Elin, I.Z. - Automatic forging with hydraulic presses. p. 51.
- Grabenko, A.I. - Diamond grinding of high-speed cutting tools. p. 53.
- Kunkin, I.A., Barannik, I.U.P., Mikhel'son, S.I.A. - Fine diamond grinding of the curvilinear surface of a hardened steel cam disk. p. 54.
- Danilenko, S.I. - Ceramic-metal cutting tools for machining nonmagnetic steel on lathes. p. 56.
- Sa'ibevich, V.A., Kravchenko, I.F. - Attachments for multiple machining of parts on drilling machines. p. 57.
- Skliarov, N.S. - Attachment for relieving screw taps. p. 59.
- Cherkashin, V.M., Radomskii, N.P. - Attachment with a magnetic clamp for milling and grinding machines. p. 60.
- Baev, A.K. - Mechanized sharpening of cutting tools. p. 62.
- Khazin, G.N. - High-efficiency attachments and fixtures. p. 63.
- Shepotukha, M.G., Gonchar, A.I., Chernobelskii, A.Z. - Modernization of industrial equipment at the plants of the Kharkov Economic Council. p. 66.
- Timonin, A.Z., Negruitskii, E.F. - Eliminating oil leakage from the reducing gears of mine hoists. p. 70.
- Shulka, V.A. - Automatic piece-by-piece feed of bearings. p. 71.
- Puchkov, M.N. - Unit for washing shop windows in industrial plants. p. 72.
- Ivashchenko, N.I. - Induction hardening of steels. p. 73.

- Erin, A. E., Smerina, A. M. - Using tubular gas heaters in pusher-type furnaces. p. 75.
- Erin, A. E., Rukh, M. K., Sivash, M. S. - Electrolytic machining of grooves. p. 76.
- Erin, A. E., Ustinov, V. N. - Standard processes for automatic light copper and nickel plating at the "Kormulnir" Plant. p. 77.
- Erin, A. E., Stajuro, S. A., Khizhikova, V. D. - Using ultrasonic techniques for electrolytic deposition of nickel coatings with given properties. p. 80.
- Erin, A. E., and others. - Using the BRT-200M current reverser in silver plating. p. 81.
- Erin, A. E., Es'kov, A. S., Barinov, I. D. - Capacity of titanium, titanium-vanadium and manganese steels for enameling. p. 83.
- Galka, E. I. - Design of latis for controlling gears with circular helical engagement. p. 85.
- Turkull, M. L. - Automatic recording of the damages of friction surfaces of gear wheels. p. 87.
- Erin, A. E., and others. - Increasing the durability of tractor tracks. p. 91.
- Lebedev, A. T. - Regulator of a tractor with a hydraulic displacement transmission. p. 92.
- Solov'ev, A. I. - Control piston rings for tractor engines. p. 94.
- Dikhanov, A. M., and others. - Cavitation damages in the cylinder sleeves of engines. p. 95.
- Ivanov, A. M. - Using plastics in the manufacture of the T-15 tractor. p. 97.
- Petrushko, N. P. - The 2STSN-6A sugar-beet planter for even seeding. p. 98.
- Trubnikov, L. V., Vlasov, I. U. A., Kufsyn, L. M. - Increasing the reliability and durability of manure collectors. p. 100.
- Brigadnikov, L. I. - Set of machines and equipment for transportation and application of organic fertilizers. p. 101.
- Equipment for introducing ammonia water into peat dumps. p. 102.
- Shanitsky, V. M. - Economic efficiency of the use of polymer materials in the machinery industry. p. 103.
- Cherny, G. S. - Classificational structure of the part nomenclature at a machinery plant. p. 106.
- Patent licenses. p. 108.

# MASHINOSTROENIE [MECHANICAL ENGINEERING].

Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, no. 3, 1965.

- Table of contents translated:
- Bravich, N. G., Sergeev, V. I. - Nonlinear theory of the precision of mechanisms with lower kinematic pairs. Part 2. p. 3.
- Gerts, E. V. - Some problems in the theory of pneumatic systems of automatic machines. p. 12.
- Iuditskiy, S. A. - Drive for industrial machinery and multiple-purpose automatic systems for its control. p. 21.
- Akopian, E. A. - Synthesis of mechanisms with a given degree of irregularity of the motion of the follower. p. 31.
- Frolov, K. V. - Reducing vibration amplitude of resonance systems by controlled change of parameters. p. 38.
- Sharono, S. K. - Designing cam mechanisms taking into consideration the wear of cam profile. p. 43.
- Vorobey, E. I. - Effect of the parameters of a cam mechanism on the wear of the cam profile under plastic contact conditions. p. 50.
- Lozinskiy, M. G., Romanov, A. N. - Basic types of deformed microreliefs originating on the surface of commercial-grade iron samples during fatigue tests with heating in a vacuum. p. 56.
- Kuznetsov, N. A. - Changes in the surface layer of steel parts subjected to load burnishing. p. 66.
- Chikhanadze, A. V., Sidorenko, G. S. - Thermophysical parameters and the coefficients of heat flow distribution used in calculating friction temperatures of heat-resistant friction pairs. p. 76.
- Dachkov, A. K. - Some conclusions from the theory of lubrication of thrust bearings in case of a variable viscosity of the oil film. p. 79.
- Tokar', I. A., Biaty, B. I. - Design of thrust bearings. p. 81.

# MEKHANIZATSIYA I AVTOMATIZATSIYA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION].

Organ of Gosudarstvennyi komitet po raznoostroeniyu pri Gosplane SSSR [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.], Moscow, vol. 19, no. 4, Apr. 1965.

- Table of contents translated:
- Makutin, A. V., Makarov, I. N. - Overall mechanization and automation of a forge shop. p. 1.
- Fomina, V. N. - Automatic line for the preparation of the charge blend and the charging of a cupola furnace. p. 7.
- Larizer, N. D. - Automatic regulation of the acidity of a solution. p. 10.

- Kritin, D. I., Burovin, V. L., Dorofeev, I. G. - Automatic hot briquetting of metal chips. p. 13.
- Stolbun, M. I., Fesenko, V. I., Dolgoplov, F. F. - Automatic loading devices for skip units. p. 15.
- Pertin, I. A. - Mechanization and automation of storage operations in the enterprises of the Leningrad Economic Council. p. 17.
- Sharin, V. V., Vasil'ev, M. V. - Single-bucket loaders used in openworks. p. 22.
- Blinov, I. A., Obidientov, D. V. - Mechanization of conveying operations at the flax-spinning plant in Yuryevsk. p. 24.
- Pekella, G. D., Eliseev, E. N. - Mechanized circular gradation. p. 25.
- Morozov, N. A., Voskresenskiy, V. E., Shustarev, I. U. N. - Formation of packets by means of flexible strings. p. 27.
- Baklanov, I. I. - Automatic winding of condensers. p. 29.
- Avrutskiy, P. I. - Automatic control of a system of ground-type push conveyors used in multiple article assembling. p. 31.
- Gurkov, A. I., Pol'skiy, E. M. - Remote control of electric cranes. p. 35.
- Lamkin, P. Z., and others. - Automatic control of lubrication. p. 37.
- Abramson, Kh. I., Bazer, I. A. I. - Machines for loading mining bulk. p. 39.
- Sevast'yanov, P. I., Pozdnakov, G. S. - Noncontact end switch. p. 40.
- Belozerskiy, S. B., and others. - Using chromatographs. p. 41.
- Galpel', I. A. - Overhead conveyors at the Perm Bicycle Plant. p. 42.
- Loskutov, V. I. - New computers for engineering calculations. p. 44.
- Anastasiyev, B. I., and others. - Transmission of discrete information for converter smelting control. p. 49.
- Rikman, M. A., Komashenko, A. Kh. - Norm indices for piece-good storehouses. p. 50.
- In the State Committee of the Machinery Industry. p. 56.
- In the State Committee of Instrument Manufacture, Means of Automation and Automatic Control Systems. p. 57.

# MOSCOW, EKSPERIMENTAL'NYI NAUCHNO-ISSEDOVATELSKIY INSTITUT KUZNECHNO-PRESSOVOGO MASHINOSTROENIYA. [Nauchnye trudy] [EXPERIMENTAL SCIENTIFIC RESEARCH INSTITUTE FOR PRESS FORGING IN MACHINERY MANUFACTURE. (Studies)]

Moscow, vol. 11, 1965. New press forging machines.

- Table of contents translated:
- Nikol'skiy, L. N., Komissarov, V. T., Shipanov, L. P. - New forging rolls with a continuous roll forging process. p. 5.
- Markovskiy, B. N., Izumtsov, A. N., Kovalov, V. V. - Manufacturing panels on punching presses. p. 14.
- Remikh, I. A., Chupeev, N. I., Filimonov, I. U. F. - Using universal presses for cold forging. p. 60.
- Kurdimov, O. I., Choporova, R. I. - Design and use of vibration-proof foundations for forging hammers. p. 63.
- Shmagov, V. F., Matrenitskiy, I. V. - Stand testing of an experimental single disk pneumatic friction clutch with a retinas bearing. p. 78.
- Shablinskiy, E. P. - Dial feed mechanisms with pneumatic drives. p. 93.
- Kovalenko, V. F., Protopenova, T. I. - Hydroblast cleaning of ingots from scale. p. 103.
- Mestechanuk, P. A. - Automating the trimming of ends and thread rolling on thin-walled, cup-type parts made by cold extrusion. p. 112.
- Vasil'ev, B. P. - Systems for the counteraction of bending moments acting on the movable crosspiece and the columns of large presses. p. 121.
- Vasil'ev, B. P. - Effect of the compressibility of the fluid on the speed of movement of hydraulic actuating mechanisms. p. 135.
- Eisert, V. R. - Automating the die stamping and assembly of magnetic systems for low-voltage electric equipment. p. 143.
- Viatkin, V. P., Oporenko, V. F. - Effect of the rigidity of forging crank presses on their power consumption, tendency toward overloading and blocking. p. 151.
- Shirayev, A. F., Lin, G. S., Shupel'man, S. D. - Standardization is a most important factor in the technical progress of press-forging machine manufacture. p. 178.

# MOSCOW, MOSKOVSKIY INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions].

No. 101, 1964. Building materials; special cements and concretes.

Table of contents translated:

- Sheikin, A. E., Lakub, T. I. U. - Physicochemical nature of the expansion of nonshrinking and expanding cements during hardening. p. 5.

- Sheikin, A. E., Oloshkova, N. I. - Effect of warm water processing and the fineness of the grinding of the cement on the structure and characteristics of the cement stone. p. 63.
- Sheikin, A. E. - Special cements for hydraulic engineering concrete. p. 65.
- Sheikin, A. E. - Strength of cement stone during prolonged heating at a temperature of 155°C. p. 110.
- Parfenov, V. P. - Practice in using epoxy compounds in railroad construction in the U.S.S.R. p. 119.
- Fedorov, A. E., Rodina, N. A., Shilev, A. N. - Studying the effect of pitch coke on the characteristics of heat-resistant concrete. p. 134.
- Gromov, L. I., Nikolaev, V. L., Khrapov, V. A. - Crack resistance of concrete. p. 144.
- Sheikin, A. E. - Charge of particles of cement in aqueous suspensions. p. 152.

# No. 202, 1965

Contents: [Use of electronic digital computers in calculations connected with the operation of railroad] Primeneniye elektronnykh tsifrovyykh vychislitel'nykh mashin v raschetakh, svyazannykh s ekspluatatsiei zheleznnykh dorog. 221 p.

# No. 203, 1965. Problems of the organization of traffic flows, train sheets, and traffic capacity.

- Table of contents translated:
- Maksimovich, B. M. - Effect of the train formation on car detention in accumulation and handling. p. 3.
- Borovoi, N. E. - Simultaneous selection of the optimum plan for the dispatching and technical routing of car flows. p. 10.
- Popov, A. I. - Calculation of the plan for making up trains on the railroads of the Bulgarian People's Republic. p. 30.
- Tikhonov, K. K. - Traction and power characteristics on various track grading taking the train inertia into account. p. 44.
- Sonikov, I. B. - Designating permanent basic train paths in the train sheet. p. 103.
- Makarovskiy, A. M. - Comparing the efficiency of the methods to meet the requirements of traffic volume on double-track lines. p. 122.
- Platov, V. S. - Efficiency of the various methods for staged reconstruction of single-track lines into double-track lines. p. 132.
- Kazantsev, V. P. - Determining the length of times of maneuvering movements and selecting the width of locomotives. p. 146.
- Kligman, V. V. - Basic principles in the plotting of an efficient network system for the traffic of long-distance passenger trains. p. 162.
- Balch, V. I., Grinchenko, I. A. P. - Efficiency of the new technological equipment and procedures on industrial railroads. p. 169.

# MOSCOW, TEKhnOLOGICHESKIY INSTITUT LEKhnOPROMYSHLENNOSTI. Nauchnye trudy [TEKhnOLOGICAL INSTITUTE OF LIGHT INDUSTRY. Studies].

No. 30, 1964.

- Table of contents translated:
- Kaspar'yants, S. A., Shestakova, I. S., Pozdnakov, N. G. - Effect of the unloading methods on the properties of the products of the solute of sheepskin droma. p. 3.
- Kaspar'yants, S. A., Shestakova, I. S., Rafonova, N. V. - Effect of some electrolytes and enzymes on the synthetic fibers obtained from the products of the solute of sheepskin droma. p. 10.
- Zheltova, A. V., Barambolin, N. K. - Studying the properties of the dispersions of protein copolymers. Kirakos'yants, M. Kh., Sirakhov, I. P. - Studying the reactions of synthetic high-molecular substances with aluminum sulfate compounds. p. 26.
- Strakhov, I. P., Shifrin, I. G. - Effect of ionizing radiation on proteins and finished leather. p. 34.
- Strakhov, I. P., Shifrin, I. G. - Effect of ionizing radiation on the improvement of the wear properties of leather. p. 48.
- Trunov, I. U. I. - Design and analysis of the duration of the production cycle in tanning shops (based on the materials for the production of stiff leather). p. 60.
- Atalytsayeva, I. N., Aronina, I. U. N. - Possibility of dyeing leather with dispersed dyes for acetate silk. p. 78.
- Sazykina, O. P., Aronina, I. U. N., Lavrova, A. P. - Nature of the interaction of active dyes with the hair carotenes. Report No. 2. p. 83.
- Sazykina, O. P., Aronina, I. U. N., Sirakova, E. S. - Effect of active dyes on the physicochemical properties of the fur hair covering. Report No. 3. p. 91.
- Dobrylina, L. E., Pavlov, S. A. - Properties of the solution and film formation of solvar and acrylic resins. p. 96.
- Slavova, S. S., Pavlov, S. A., Sustov, I. U. I. - Use of infrared spectroscopy in the study of polymeric materials. Report No. 2. p. 102.
- Barambolin, N. K., Kuklarchik, M. M. - Investigating the properties of solutions of water-soluble polymer mixtures. p. 108.

- Mentsov, V.S., Vasil'ev, S.S. - Application of high-frequency currents in the cementing of soles p. 117
- Vasil'ev, S.S., Mentsov, V.S. - Kinetic analysis of the gluing of the materials for clothing and shoe manufacture by means of various adhesives. Report No. 1 p. 120.
- Kluchnikova, V.M., Gorlacheva, N.I. - Investigating the infrared drying systems for footwear with chrome leather uppers. p. 130
- Kolos, L.A. - Load action on the heels. p. 136.
- Kolos, L.A. - Impact load on heels. p. 140
- Kluchnikova, V.M., Levenko, S.P. - Calculation method for determining the duration of manual operations in the assembly of shoe uppers p. 143.
- Sasnauskas, K.V. - One of the characteristics of the solving of problems with the linear programming method. p. 153.
- Sasnauskas, K.V., Zybin, I.U.P. - Application of linear programming in planning the cutting of shoe materials. Report No. 2 p. 155
- Gvozdev, I.U.M., Morjakov, V.I.A. - Polyvinyl chloride plates for the clinking presses. p. 166.
- Modestova, T.A., Gadzhanova, L.A. - Wear resistance of wool fabric blends with lasean fibers. p. 173.
- Fierova, L.N., Babak, T.V. - Investigating the abrasion resistance of knit fabrics at various deformation degree. p. 179
- Baramboim, N.K., Simakov, I.U.S. - Mechanical synthesis in the medium of crystallized monomers p. 188
- Chalykh, A.E., Vasenin, R.M. - Optical methods for the study of diffusion. p. 192
- Chalykh, A.E., Vasenin, R.M. - Interference micro-method for the study of diffusion in the system polymer-solvent. p. 200
- Sidorov, V.G., Vasil'ev, S.S. - Evaporation of liquid into a gas-filled space under extensive change of the conditions of gas flow over the surface of evaporation. Report No. 1. p. 207.
- Komissarov, A.I., Lopukhina, I.V. - Characteristics of the movement of the needle thread in high-speed shuttle machines. p. 214.
- Chetkin, P.P. - Angle of nip in crushing rolls. p. 219.
- Dablin, I.U.A. - Application of vacuum drying in the light industry. p. 221.
- Krapivin, N.I., Komissarov, A.I. - Design of the counterweights of the crankgear mechanism of sewing machine needles. p. 229.
- Damaekina, B.I., Lobanov, V.A. - Investigating the rigidity of the cogged gear drive belt of sewing machines. p. 241
- Fridlender, N.A. - Using the method of electric modeling in the study of unsteady temperature fields in vulcanization presses. p. 246.
- Fridlender, N.A., Malzel, M.M. - Distribution of heat sources in vulcanization presses and check of the solving of such kind of problems on electric models. p. 258.
- Ruzhentsev, A.S., Tsareva, T.I., Brait, V.L. - Investigating the dynamic properties of the pads of ironing presses. p. 269.
- Tsareva, T.I., Smirnov, S.M. - Approximation of the experimental transient characteristics by means of the lagging exponential diagram. p. 283.
- Solov'ev, N.L. - Calculating the adjustment and turning of the reducing machine for the manufacture of needle blanks. p. 291
- Kureh, V.A., Solov'ev, N.L. - Determining the feed by the support of the reducing machine taking the rotation of the separator into account. p. 306.
- Matysheva, N.I. - Testing for heating the electric motors of the friction drives of sewing machines. p. 310.
- Medvedev, B.P., Matysheva, N.I., Spichkin, E.G. - Results of the testing of the electric driving of 22-A and Class 97 sewing machines p. 314.
- MOSCOW, VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT TEKSTIL'NOGO I LEKOGO MASHINOSTROENIA. Nauchno-issledovatel'skie trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF TEXTILE AND LIGHT MACHINERY, Scientific Research Papers]. No. 11, 1964.
- Table of contents translated:
- Khavkin, V.P. - Discrete memory devices in automatic control systems used in the evening of industrial production. p. 3.
- Khavkin, V.P. - Effect of transducer dimensions on the measurement error of automatic control systems used in the evening of the grade of production. p. 24.
- Movshovich, P.M. - Dynamics of the machine-rectifier stage. p. 32.
- Movshovich, P.M. - Design of a control system for the spinning-machine drive. p. 39.
- Ivanov, L.N. - Calculating the press joint of the tonon and wringing shaft of sizing machines. p. 47.
- Ivanov, L.N. - Investigating the performance of the picking mechanism of the STD loom during shuttle starting. p. 59
- Polukhin, V.P. - Design of flat needle mechanisms of overcasting sewing machines p. 73
- MOSCOW, VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT ZHELEZNOGOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION, Journal]. Vol. 24, no. 1, 1965.
- Table of contents translated
- Tasks facing the transportation science. p. 3
- Radehenko, V.D., Rykov, I.I., Parafonov, A.V. - Calculation of the working resistance of the valve commutation discharger. p. 5
- Glushkov, E.F. - Losses from current pulsation and the economic advantages of smoothing reactors p. 9.
- Proskurakov, S.I. - Wear of the bevel gear teeth of electric locomotives. p. 13.
- Ozembolskii, V.Ch. - Dampening of the insulation of traction motors of electric locomotives on the repair shops p. 17
- Abramov, V.M. - Reliability of electron amplifiers with negative feedback. p. 20.
- Kollegov, E.V. - Pistons for 2D100 diesel engines with ceramic coating. p. 24.
- Koturakov, V.N. - Analysis of the state of stress of tank car shells. p. 28.
- Akhashev, B.Z., and others. - Elastic packing in units with antifriction bearings. p. 32.
- Starodubov, K.F., and others. - Effect of residual stresses on the deformation of seamless rolled wheels. p. 35
- Rauzin, I.A.R., Shur, E.A. - Nonuniformity of the structure of hardened rails p. 37
- Paryshev, I.U.M. - Determining residual stresses in rails. p. 41.
- Novakovich, V.I. - Longitudinal forces in a continuous rail track during repair p. 44.
- Denslov, V.A. - Reducing the longitudinal stresses in the train by smoothing the track profile. p. 48.
- Simanovskii, M.A. - Taking into account the idle running of cars in calculating and planning the distribution of industries. p. 49.
- Artyunov, A.P. - Zonal nonparallel train sheets p. 53.
- Chernugov, A.D. - Organization of nonstop train bypassing on the inserts of auxiliary main tracks. p. 56.
- Obukhov, S.A. - Economic efficiency of automatic voltage regulation p. 58.
- Kutyev, G.M. - Permissible error level in the transmission of information. p. 61.
- \* PRIBOROSTROENIE [INSTRUMENT MANUFACTURE]
- Organ of Gosudarstvennyi komitet po priborostroeniiu, sredstvam avtomatizatsii i sistemam upravleniya pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva priborostroitel'noy promyshlennosti [State Committee for Instrument Manufacture, Means of Automation, and Control Systems, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no. 5, May 1965
- Table of contents translated:
- For a high quality of instruments. p. 1.
- Dvinskikh, V.A. - Measuring capacitances of capacitor pickups in a self-excited bridge circuit. p. 3.
- Makhat, V.G., Pliskin, I.U.S. - Measuring the frequency pickups. p. 5.
- Smol'nikov, V.I.A., Slavin'skii, A.K. - Increasing the delay of a transistorized time relay. p. 8.
- Rokhtskii, E.I. - Electronic potentiometer with a low interference sensitivity. p. 11.
- Kartashev, V.I., Khmel'nikitskii, F.I. - Binary counter with universal elements. p. 14.
- Kashchuk, A.P., and others. - Universal transistorized digital-analog function generator. p. 15.
- Eigenbrot, V.M. - Unit for automation function computation. p. 17.
- Kruglov, V.A., Kruglova, L.V. - Some problems of precision of multiple machining of parts on machine-tool units in instrument manufacture. p. 19.
- Vaiman, D.M. - Hard-alloy boring tools for machining small-diameter holes. p. 22.
- Efimov, E.I., Sedykh, O.A. - Evaluating the economic efficiency of the use of ELM-type magnetic logical elements. p. 23.
- Aleksin, A.D., Lit'ko, I.U.V. - Circuit of a decimal pulse counter with luminous indication. p. 25.
- Bulayev, G.M., Shchedrov, N.I. - Noncontact angle-to-code converter with ferrite sensitive elements. p. 27.
- Chubrikov, L.G. - Voltage-to-numerical code converter with an accelerating oscillator. p. 28.
- Romanov, V.I. - Replacing the RD-47 motor with the RD-99 motor. p. 29.
- At the Scientific Technological Society of the Instrument Industry. p. 30.
- PRILADNAIA MEKHANIKA [APPLIED MECHANICS]
- Issued by Otdeleniye matematiki, mekhaniki i kibernetiki Akademii nauk Ukrain'skoi SSR [Department of Mathematics, Mechanics, and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, no. 2, 1965
- Table of contents translated
- Ishlinskii, A.I., Sleptsova, G.P. - Impact of a viscoplastic rod on a rigid obstacle p. 1.
- Komissarova, G.L. - Dynamic stability of longitudinally corrugated cylindrical shells p. 10
- Goroshko, O.A. - Equations of elastic vibrations of a rod in a mobile system of coordinates. p. 18.
- Kubenko, V.D. - Propagation of elastic waves from a circular hole in an anisotropic nonhomogeneous plate p. 25
- Krasnoshepka, V.A. - Transverse vibrations of an elastic string considering its stretching. p. 34
- Mikeladze, M.Sh. - Evaluating the carrying capacity of shallow shells of revolution and of stretched and bent circular plates p. 40
- Berezitskii, L.T., Kovchik, S.E., Parashuk, V.V. - Propagation of an arbitrarily oriented rectilinear crack during the stretching of a plate. p. 46.
- Shevelchenko, V.D. - Nonlinear problem of the bending of a shallow shell p. 56
- Izdobskii, G.A. - Investigating the stability of a rectangular plate of variable thickness p. 62.
- Maslov, N.M. - Bending of a circular orthotropic plate of variable thickness p. 67
- Shevliakov, I.U.A., Shevchenko, V.P. - Shallow spherical shell under the action of concentrated forces and moments p. 74
- Stepaniuk, V.V. - Vibrations and stability of a cylindrical sandwich shell filled with a noncompressible ideal fluid p. 78
- Prusov, I.A. - Some problems in the theory of elasticity for a nonhomogeneous plane. p. 86
- Tsurpal, I.A. - Pure bending of a strip weakened by a circular hole taking into consideration the physical nonlinearity. p. 92.
- Senik, P.M. - Function of energy dissipation for materials with a nonlinear law of elasticity p. 99
- Kopeikin, I.U.D. - Formulation of problems on the search of stress functions by means of biharmonic potentials. p. 104
- Wang Fo F'u, G.A. - Equations of the relationship between stresses and deformations in glass reinforced plastic p. 110.
- Umanskiy, E.S. - Strength of soft fiber-reinforced plastics on oriented and crossed warps. p. 116.
- Savin, G.N., Pavlenko, G.L. - Machine for fatigue tests of wire using variable cyclic loading. p. 124.
- Potreiko, M.P. - Natural vibrations of a point of variable mass and the method of "hardening." p. 125
- Grigorenko, I.A.M., Polishchuk, T.I. - Solution of the problem on antisymmetric deformation of a conic shell of linearly variable thickness with the BESM-2M electronic computer. p. 129.
- Chelnyavskii, D.I. - Reducing stress concentration in a plate of unlimited dimensions having angular cuts. p. 134.
- Vol. 1, no. 4, 1965.
- Table of contents translated:
- Savin, G.N., Khvoroshin, L.P. - The plane problem of physically nonlinear elastic solids. p. 1.
- Shevliakov, I.U.A., Chekhov, V.N. - Approximate solutions of the axisymmetric deformation of a spherical shell. p. 12.
- Shablii, O.N. - Carrying capacity of a compressed and bent shallow spherical shell. p. 19.
- Shvets, R.N. - Uniqueness of the solution of the dynamic problem in thermoelasticity of thin shells. p. 25.
- Zhigalko, I.U.P. - Fundamental solution of the temperature problem for a circular cylindrical shell. p. 30.
- Vasil'ov, V.V., Chernysheva, I.S. - Elastoplastic state of a structure consisting of spherical and toroidal shells. p. 34.
- Pollakov, P.S., Zarutskii, V.A., Amiro, I.I.A. - Experimental investigation of the carrying capacity of ribbed cylindrical shells. p. 39.
- Kozlov, I.A. - Investigating the carrying capacity of structural components in the area of very small elastoplastic deformations. p. 44.
- Meglinskii, V.V. - Bending of an anisotropic elliptic plate weakened by elliptic holes. p. 49.
- Petrishin, V.I., Privarnikov, A.K. - Basic boundary problems in the theory of elasticity for multilayer foundations. p. 58.
- Gubenko, V.S. - One type of integral transformations. p. 67.
- Kil'chinskaya, G.A. - Nonlinear effects caused by vibrations of elastic rods subjected to high-temperature heating. p. 73.
- Sergeev, S.T. - Investigating the process of the formation of a curved cable on a pulley. p. 79.
- Zavatskii, I.U.V., Antonov, A.M. - Hypersonic gas flow about a thick cone. p. 92.
- Iaroshuk, A.D. - Effect of interfering factors on the results of a nondestructive quality control of the external layers of machine parts by means of the eddy current method. p. 97.



- Ermenko, E. V. - Approximate solution of the two-dimensional problem on speed distribution according to the depth of an open nonuniform flow at a laminar motion. p. 101.
- Shapoval, G. T. - Investigating the speed of a laminar flow around circular cylinders in vertical pipes. p. 107.
- Koval'skii, B. S., Fedotov, V. P. - Design of safety membranes. p. 113.
- Marchenko, V. P. - Determining optimal conditions for the motion of a body of variable mass in gravitational field. p. 119.
- Gantar', M. G. - Investigating the movement of a nonlinear mechanical system with two degrees of freedom. p. 123.
- Bulvol, V. N. - Applying Sneddon's approximation to the problems of a strip. p. 127.
- Alekseev, N. V. - Using the method of conformal representation in solving the problem of the torsion of a drill-type rod. p. 131.
- Tutov, S. F. - Bending of a plate in the shape of a circular rectangle. p. 133.
- Strel'bitskaya, A. I. - The Fifth All-Union Conference on the Theory of Plates and Shells, February 3-6, 1965, in Moscow. p. 139.
- REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1965. Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964. This journal is also issued in parts].
- REFERATIVNYI ZHURNAL: Dvigateli vnutrennego sgoraniia [Otdel'nyi vypusk 39] [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Fotokinetika [Otdel'nyi vypusk 46] [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Kotlostroenie [Otdel'nyi vypusk 42] [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 6-7, June-July 1965.
- REFERATIVNYI ZHURNAL: Mashinostroitel'nye materialy, konstruktsh i raschet detalei mashin, gidroprivod [Otdel'nyi vypusk 48] [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS, HYDRAULIC DRIVE (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Nasosostroenie i kompressorostroenie [Otdel'nyi vypusk 61] [JOURNAL OF ABSTRACTS: MANUFACTURE OF PUMPS AND COMPRESSORS (Separate Issue 61)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Oborudovanie pishchevnoi promyshlennosti [Otdel'nyi vypusk 38] [JOURNAL OF ABSTRACTS: EQUIPMENT OF THE FOOD INDUSTRY (Separate Issue 38)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Promyshlennii transport [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965. [This journal is also issued in parts].
- REFERATIVNYI ZHURNAL: Tekhnologiya i oborudovanie tseliulozno-bumazhinogo i poligraficheskogo proizvodstva [Otdel'nyi vypusk 37] [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE WOODPULP, PAPER, AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Tekhnologiya mashinostroeniia [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Teploenergetika [JOURNAL OF ABSTRACTS: HEAT ENGINEERING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Traktory i sel'skokhoziaistvennye mashiny i orudiia [Otdel'nyi vypusk 44] [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Truboprovodnyi transport [Otdel'nyi vypusk 45] [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Turbostroenie [Otdel'nyi vypusk 48] [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1965.
- REFERATIVNYI ZHURNAL: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii [Otdel'nyi vypusk 35] [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1965.
- REFERATIVNYI ZHURNAL: Vzaïmodeistvie raznykh vidov transporta i konteynernykh perevozk [Otdel'nyi vypusk 31] [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 6-7, June-July 1965.
- REFERATIVNYI ZHURNAL: Zheleznodorozhnyi transport [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, Predmetnyi ukazatel' za 1964 g. [Subject Index for 1964. This journal is also issued in parts].
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshago i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Machine Manufacture]. Moscow, no. 3, 1965.
- Table of contents translated:  
Satei', E. A. - Scientific bases for an advanced technology of the manufacture of machines and instruments created by the research work of institutions for higher education. p. 5.  
Bidlula, P. N. - Economics of metal shaping methods in manufacturing machine parts. p. 12.  
Veinik, A. I. - Analysis and use of high-frequency drying of founding cores. p. 17.  
Gagin, S. D. - Effect of vacuum-furnace refining on the gas content and properties of chromium-nickel alloy. p. 24.  
Mesiatshev, P. P. - Fundamentals of the design of assembling, adjusting and testing processes used in the manufacture of radio systems. p. 31.  
Shashkin, A. S. - Shaping surfaces of higher orders. p. 38.  
Gini, E. Ch., Stepanov, Iu. A. - Technology of casting thin-walled large panels. p. 45.  
Bulovskii, P. I. - Scientific bases of the technology of assembling processes in the manufacture of instruments. p. 53.  
Iunakov, F. S. - Theoretical investigation of the process of line grinding. p. 61.  
Dubrov, Iu. S., Avakov, A. A., Nikolaeva, G. S. - Investigating the effect of an increase in wear resistance of hard-alloy cutting blades. p. 71.  
Sidorov, A. T. - Statistical testing method (Monte-Carlo method) with the use of an electronic analog computer. p. 77.  
Spasikh, A. N. - Statistical control and analysis of the precision of technological processes by means of the method of average absolute deviations. p. 83.  
Bylov, B. D. - Criteria and evaluation of the technical level of technological processes of metal cutting. p. 92.  
Fridlander, I. G. - Fundamentals of the theory of functional interchangeability of machines and instruments. p. 101.  
Mordvinov, B. S. - Using the methods of the theory of graphs in investigating geometrical structures. p. 111.  
Mirkin, I. L., Trusov, L. P. - New highly heat-resistant perlitic steels used in the manufacture of electric power plant equipment. p. 119.  
Iarenkevich, S. K., Afanas'ev, P. D. - Structure and magnetic properties of some highly coercive alloys based on the Fe-Ni-Al system and new efficient methods for their study. p. 125.  
Shul'ga, N. G., Zamora, M. F. - Investigating dilatometric curves and electric resistance of high-chromium steel depending on the phase composition. p. 133.
- \*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol. 12, no. 3, Mar. 1965.
- Table of contents translated  
Maslakov, D. I. - Present-day fuel resources of the country. p. 2.  
Shagolova, S. L., Shnitser, I. N., Gromov, G. V. - Characteristics of a flow in cylindrical channels behind the spiral and the blade mechanism. p. 7.  
Gavrillov, A. F., Liakh, V. Ia. - Air heaters with an intermediate heat carrier. p. 11.  
Akol'zin, P. A., and others. - Protection of the heavy duty boiler units using nitrogen. p. 17.  
Trusov, L. P. - Steel for cast components of boilers, turbines, and steam pipes. p. 21.  
Mazel', R. E., Prokhoditsa, L. V. - Study of the characteristics of the welded joints and basic metal of steam pipes. p. 24.  
Fanteva, M. I., Tykochinskaya, T. V. - Study of the properties of the metal of industrial pipes from EP-17 steel. p. 28.  
Blagondezhin, V. L. - Criterion for evaluating the compressing capability of power plant steam pipes. p. 32.  
Gerasimov, V. V., Gromova, A. I., Shapovalov, E. T. - Corrosion resistance of copper and copper alloys in water under static conditions. p. 36.  
Blokh, A. G., Erofeev, P. A. - Effect of the coefficient of excess air on the radiation of a luminous torch. p. 38.  
Antonovskii, V. I., Starozhuk, I. A. P. - Radiation of the flame in the combustion chambers of gas turbine systems operating on liquid fuel. p. 41.  
Alekseev, G. V., and others. - Critical heat flows in a forced water current. p. 47.  
Dolgov, V. V., Sudnitsyn, O. A. - Hydrodynamic instability of boiling water reactors. p. 51.  
Amirkhanov, Kh. I., and others. - Thermodynamic properties of water and water vapor. p. 56.  
Ulybin, S. A., Malysheva, S. P. - Calculation of the effect of the hydrostatic factor on the measurement of the density of substances near the critical point. p. 59.  
I'chenko, O. T. - Use of an additional (MSM-1) network unit in the USM-1 analog computer for solving nonstationary heat transmission problems. p. 62.  
Kolodnyi, D. P. - Calculation of the heat exchange of furnaces. p. 65.  
Khvostov, V. I., Solonin, V. I. - Determination of combustion characteristics using a gas analysis method. p. 68.  
Golovin, V. A., Zanin, A. I., Kazintsev, F. V. - Methods for studying models of the terminal stages of steam turbines operating on wet steam. p. 71.  
Proskurakov, K. N. - Natural vibrations in a single steam generating channel. p. 76.  
Malov, V. I. - Hydraulics of granular materials. p. 78.  
Allmov, R. Z. - Hydraulic resistance and heat and mass transfer in a twisted flow. p. 81.  
Sluch, E., Balog, E. - Interaction of the jets of primary and secondary flows and its effect on the position of the torch. p. 86.  
Shapiro, I. V. - Development of single-shaft turbo-generator units. p. 90.  
Vorchakov, M. T. - Calculation of the cross-section of the plunger of a control valve. p. 93.
- Scientific and technical seminar on measures for preventing the bending of steam turbine rotors. p. 94.
- In the Fourth All-Union Public Review of the Fulfillment of Research Plans and use of Scientific and Technological Innovations in the National Economy. p. 96.

**TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY].** Organ of Gosudarstvennyi komitet avtotraktorov i sel'skokhoziaistvennogo mashinostroyeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.], Moscow, vol. 5, May 1965.

Table of contents translated:  
Concern of the whole party and of the whole Soviet people p. 1.  
Chabrov, N.D. - Studying mechanical stresses in diesel engine heads with soft gaskets. p. 3.  
Kudrjavtsev, I. G. - Ways for eliminating the lack of kinematic correlation of a tractor and a trailer with a driving axle during turning. p. 6.  
Trofimov, V. A. - Measuring lateral forces acting on the frame of a crawler tractor in turning. p. 7.  
Vaitsevol'd, I. I., Skundin, G. I., Ulkin-Liubovtsov, O. L. - Durability of tractor transmission bearings. p. 9.  
Kozlov, V. E., Kotlikov, N. P. - Use of free running clutches with disconnecting mechanism in the system of starting diesel engines. p. 12.  
Anikanova, K. F., Shpak, Z. S. - Ways for improving the quality and increasing the durability of tractor tires. p. 14.  
Pluzanikov, V. I. - Efficiency and quality of the work of a silage harvesting combine. p. 15.  
Osobov, V. I. - Field testing of a pickup baler for hay baling. p. 17.  
Kusov, T. T. - Multipurpose combine for harvesting root crops. p. 18.  
Lur'e, V. A., Shchemelinskii, L. A. - Calculations for a reelless reaper. p. 19.  
Burd, V. S., Kobylko, B. G. - Graphic method for calculating a centrifugal atomizer. p. 21.  
Atkhashidin, I. A. I., Khomenko, I. U. V. - Determining the form of the knife of the picker cylinder of a silage harvesting combine. p. 23.  
Poinakov, M. I. - Studying a fluid feed apparatus for sowing small seed. p. 26.  
Klokov, N. I. - Calculations for mechanical distributors of seeds. p. 28.  
Savin, V. I. - Studying the drive mechanism of an overshot hay stacker using the BESM-2 computer. p. 30.  
Bykov, N. N., Gurvich, L. I. U. - The LKV-4T flax harvesting machinery. p. 33.  
Kocherygina, L. P., Lipov, I. U. N. - The UZK-250 installation for growing green forage. p. 34.  
Zil'berg, I. U. I. A., Khurushchova, K. M. - Improving the reliability of the bearing bushes of a crankshaft. p. 35.  
Mel'nikov, S. A., Stepurskii, K. G. - Increasing wear resistance of the threshing apparatus of the SK-4 combine. p. 38.  
Sholkin, O. P. - Series of the Canadian "Nodwell" tractors and transporters. p. 40.  
Razorenov, V. I. - Methods for changing the gauge of the driving wheels of a tractor using the power of the engine. p. 43.  
Claus, V. M. - Attachment to the E-875 combine for carrot harvesting. p. 45.  
Voita, A. N. - Conference on problems of the quality and durability of agricultural machinery in Rostov-on-Don. p. 46.

**VESTNIK MASHINOSTROYENIYA [MACHINE BUILDING REVIEW].** Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.], Moscow, vol. 45, no. 5, May 1965.

Table of contents translated:  
Slobin, B. Z. - Evaluating the fatigue strength factor under random stresses. p. 3.  
Erasov, F. N. - Planetary hydraulic units. p. 5.  
Revkov, G. A. - Basic structural parameters of multi-disc friction speed variators. p. 11.  
Tokar', I. I. A., Bialy, B. I. - Calculating the hydrostatic lifting of shafts in journal and thrust bearings. p. 14.  
Rivin, E. I. - Characteristics of the horizontal rigidity of vibration dampers with flexible rubber elements. p. 20.  
Arson, L. D., Seifi, T. F. - Investigating the strength of bolted joints. p. 22.  
Tartakovskii, I. K. - Some problems in the kinematics of the three-dimensional double universal joint. p. 25.  
Khorev, A. I., and others. - High-strength welded cylindrical shells made of BT4 alloy. p. 28.  
Lolikh, V. A. - Effect of used mineral oils on the running-in of a friction pair. p. 31.  
Belykh, N. N. - Selecting the material for spindle-coupling bushings of rolling mills. p. 33.  
Ponomarenko, N. E. - Wear testing stand for ceramic-metal antifriction materials at high sliding friction rates. p. 33.  
Malykh, L. I., Ivanov, I. V. - Polyamide-resin sealings for heavy-duty hydraulic presses. p. 34.  
Zhukov, V. V. - Design of units for vibratory application of plastic coatings. p. 38.

Zhabin, A. I., and others. - Determining tolerances for machining bushing holes eliminating their scrap after press fitting. p. 41.  
Bashkirov, I. U. P., Krekhtinov, V. V. - Increasing the wear resistance of the blades of shot-blasting units. p. 45.  
Savishchenko, V. M., Bepalov, V. G. - Orientation of parts by the "search method" in automatic assembly. p. 48.  
Latutov, V. I., Denisov, A. D. - Using nickel hypophosphite in chemical nickel coating. p. 51.  
Klimov, I. V. - Design of crank presses. p. 52.  
Koshelev, O. S. - Geometrical parameters of the crank-cam mechanism of a drawing press. p. 53.  
Loznitskii, M. G., Romanov, A. N. - Present state of studying the nature of fatigue fracture of metals and alloys. p. 56.  
Strel'tsov, V. A. - Technological stability of the hole reaming process in parts made of 45 steel. p. 63.  
Sinteyn, I. F. - Improving the organization of auxiliary operations. p. 67.  
Krysanov, V. I., Fuks, A. I., El'iasberg, M. E. - Technical and economic analysis of the dimensional spacing of machine tools. p. 70.  
Zotov, I. I. - Efficient organization of equipment repair is the most important source for labor saving in the machinery industry. p. 76.  
Palkin, R. I. - Determining the economic aspect of the durability of machinery. p. 77.  
Nosovskii, N. E. - Problems in the use of chemistry in the manufacture of machinery at the plenum of the Technical-Economic Council of the State Committee on the Machinery Industry. p. 81.  
Osipov, A. F. - Scientific-technical conference on hydraulic drives and hydraulic control. p. 82.  
Iasinskii, G. I. - Scientific-technical seminar on machining with diamond tools. p. 83.  
Sokolinskii, P. S., Volkov, V. A. - Scientific technical conference on the organization and economics of technical preparation of production processes. p. 84.  
Soviet innovations in the field of machinery manufacture. p. 85.  
In the State Committee on the Machinery Industry p. 86.

Vol. 45, no. 5, June 1965.

Table of contents translated:  
Polukhin, V. P., Zinov'ev, A. V. - Measuring elastic deformations in machine parts. p. 3.  
Petrusevich, A. I., Gonkin, M. D., Ryzhov, N. M. - Effect of burns caused by grinding on the contact strength of cemented and hardened gear wheels. p. 7.  
Zak, P. S. - Characteristics of the loaded contact in worm gears and its simulation by rollers. p. 13.  
Subbochev, I. M. - Comparative testing of globoid reducing gears. p. 16.  
Kogan-Vol'man, G. I., Glazman, V. M. - Effect of technological parameters on torsional rigidity of non-twisting flexible shafts. p. 19.  
Ivovich, V. A. - Designing of flexible suspension drums. p. 40.  
Kachmarek, I. A. - Economic strength of an abrasive in ultrasonic and jet-abrasive grinding. p. 43.  
Chokin, G. I. - Diamond burnishing of hardened steels. p. 47.  
Kobzar', E. P. - Hardening cast-iron sleeve by ball burnishing. p. 50.  
Kraush, T. P. - Ultrasonic cleaning of parts. p. 51.  
Moshin, E. N., Khrushchik, K. G. - Loss of billet stability of sheet stamping of spherical parts. p. 53.  
Dubinin, G. N. - Diffusion alloying of the surface of parts with metals and metalloids for increasing their heat and wear resistance. p. 58.  
Bernshein, M. L., and others. - High-temperature thermomechanical surface hardening. p. 63.  
Rozenberg, A. M., Rozenberg, O. A. - Microgeometry of the surface of some nonferrous metals subjected to broaching. p. 65.  
Iashchitskii, P. I. - Effect of fine grinding and polishing on the smoothness and quality of machined surfaces. p. 69.  
Razunov, M. A. - System of work for increasing production quality. p. 74.  
Triger, D. I. A. - Specialization of the repair of metal-cutting equipment. p. 79.  
Maknenko, M. M., Kirko, S. I., Kovalenko, A. U. - Development of the machinery industry in the Moldavian S.S.R. p. 81.  
Anisimova, M. A. - Nomogram for establishing minimum amount of expenses by the standard method of the Academy of Sciences of the U.S.S.R. p. 82.  
Volkov, V. A., Skaltskii, V. - The second scientific technical symposium on steel ropes. p. 84.  
Volkov, V. A., Kestelman, N. I. A. - Conference-seminar on the introduction of plastics into the machinery industry. p. 85.  
Soviet inventions in the machinery industry. p. 85.  
At the State Committee on the Machinery Industry. p. 86.

device with a very low frequency of natural vibrations. p. 24.  
Brumberg, R. M. - Regulating static moments of the unbalances of mechanical vibrators. p. 26.  
Konovalov, A. A. - Forced vibrations of cylindrical springs. p. 28.  
Tatarinov, P. I. - An error in determining tangential stresses in the crank jaw of a crankshaft. p. 30.  
Grinberg, N. A., Petrov, I. V., Koshelev, I. K. - Wear resistance of building-up materials at variable temperatures. p. 33.  
Shostakov, V. M. - Calculating the number of revolutions of die-casting molds needed for making large polyamide sinter bearings. p. 37.  
Babichev, A. P., D'achenko, V. I. - Determining the dependence of the polishing process in vibrating

**VSESOIYUZYNI NAUCHNO-ISSLEDOVATELSKII INSTITUT KISLORODNOGO MASHINOSTROYENIYA.** Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF INDUSTRIAL OXYGEN APPARATUS CONSTRUCTION. Transactions], Moscow, no. 9, 1965. Apparatus and machinery of oxygen plants.

Table of contents translated:  
Epifanova, V. I. - Analyzing the gas regenerative refrigerating cycles. p. 3.  
Chornyshova, E. I., Tumanov, A. I. - Investigating the work of regenerators packed with random crushed stone. p. 36.  
Vasilunina, G. V., Matzai's, I. N. - Freezing-out of carbon dioxide in the regenerator and freeze-out apparatus of the BF-6 plant developed by the All-Union Scientific Research Institute of Industrial Oxygen Apparatus Construction. p. 56.  
Sergeev, S. I., Kholina, G. A. - Intensification of heat exchange by means of vibrations. p. 75.  
Sergeev, S. I. - Stabilization of rotors and pistons by means of vibration. p. 92.  
Davydov, A. D., Epifanova, V. I. - Experimental study of a radial flow turboexpander with partial gas supply. p. 111.  
Gandel'man, A. P., Usanov, V. V., Naurits, L. N. - Studying heat exchange and resistance at non-sonic speeds. p. 125.  
Usanov, V. V. - Flow through sonic speeds in channels with uniform cross section under the effect of heat exchange and friction. p. 138.  
Shtein, L. L. - Experimental analysis of hydraulic resistance in the valves of piston expanders. p. 144.  
Tumanov, A. I., Gusev, V. F. - Electric model of a regenerator. p. 151.  
Davydov, V. D., Fil'tser, S. L. - Measurement of temperature differences in the regenerators of air separation plants. p. 163.  
Kazarovskaya, L. I., Dykno, N. M. - Removal of carbon dioxide and water vapor from krypton concentrates by absorption on synthetic zeolites. p. 170.  
Skripka, V. G. - Experimental determining of partial molar volumes of neon dissolved in liquid nitrogen. p. 180.  
Gudkov, S. I. - Mechanical properties of chromium and chrome-nickel stainless steel at low temperatures. p. 186.  
Tables of gas dynamic functions for  $K_{a1}$ , 67 (Appendix to V. I. Epifanova's article on p. 3). p. 192.

**ZA RULEM [AT THE WHEEL].** Issued by Vsesoyuznoe dobrovol'noe obshchestvo sodel'stviya armii, avtsil i fletu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy], Moscow, vol. 22, no. 12, Dec. 1964, no. 7, July 1965.

**ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION].** Organ of Ministerstvo puti soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.], Moscow, vol. 47, no. 4, Apr. 1965.

Table of contents translated:  
Kolodiyazhnyi, N. V. - Prospects for a further speed increase in the traffic of freight trains. p. 3.  
Berngard, K. A. - Reduction of idle time is the main way for the intensification of car utilization. p. 8.  
Malakhov, K. N. - Cars should be loaded to their full capacity. p. 13.  
Kazovskii, I. G. - Uniformity in freight operations is an important potential. p. 17.  
Vargin, S. N., and others. - Electronic digital computers speed up the formation and departure of trains. p. 21.  
Shan'ko, I. G., Shakhovich, V. M., Remizova, A. S. - Speeding up car processing in classification yards. p. 25.  
Bataev, M. G. - Base load stations and the servicing of agriculture. p. 27.  
Solntov, I. B., Samarin, N. A. - Fast-freight trains and the train sheet. p. 29.  
Kuzenko, M. I. A. - Planning the work of the train dispatching staff in a section. p. 32.  
Timokhin, I. U. T. - Traffic organization of local freight trains transfer at junction stations. p. 34.  
For the comfort of the passengers. p. 35.

- Fufrianskii, N.A. - The technical standards of Soviet locomotives. p. 37.  
 Bondarenko, B.R., Ivanov, V.P., Cherniavskii, S.N. - Further development of the construction of electric locomotives. p. 43.  
 Orlov, M.V., Peresetskii, A.Z., Senderov, G.K. - Present-day reliability requirements of freight cars. p. 49.  
 Nedachin, V.A. - Specialization and cooperation of locomotive depots on the Moscow railroad. p. 53.  
 Emels, I.A. - Complex preparation of cars for the transportation of farm produce. p. 56.  
 Cheracev, P.E. - Organization of the preparation of passenger trains for a trip. p. 59.  
 Larin, T.V., Deviatkin, V.P. - Causes of the non-uniform wear of wheels in braking with composition brake shoes. p. 61.  
 Segal, I. A. - Increasing the service life of overhead trolley wires. p. 64.  
 Pershin, S.P. - Urgent problems of rails standardization. p. 67.  
 Orlov, A.V. - Profit and the material stimulation of railroad workers. p. 70.  
 Tikhonchuk, I.U.N. - Determination of the economic advantages of concentrating freight operations at a lesser number of stations. p. 74.  
 Sergeev, M.S. - Potentials for the reduction of transportation costs in the Estonian SSR. p. 78.  
 Fulfillment of the plan of industrial production and improvement of the quality of the output. p. 80.  
 Use economically the material resources. p. 81.  
 Tsvetkov, G.S., Levin, I.U.M. - Construction of the Abakan-Thysset railroad line. p. 82.  
 Possibilities of increasing the traffic speed on railroads. p. 84.  
 Make use of the experiences of the Perm' section on all railroads and sections. p. 86.  
 Electric high-speed ChS-4 passenger locomotive. p. 87.

Vol. 47, no. 5, May 1965.

- Table of contents translated:  
 Editorial. - Improve the utilization and maintenance of the car fleet. p. 3.  
 Naporko, A.G. - Heroic deed of Soviet railroaders. p. 7.  
 Gladkikh, A.A. - Potentials for the further improvement of freight car utilization. p. 13.  
 Krivukov, V.N., Pankov, E.V., Timoshkov, V.M. - Highly productive operations of a classification yard. p. 18.  
 Gulov, I.A. - Introduce advanced technology in the operation of freight terminals. p. 22.  
 Pogrebnii, I.T. - New developments in the organization of the operations of a freight terminal. p. 26.  
 Golovchenko, G.I. - Strengthening of the freight facilities of railroads. p. 30.  
 Tulupov, L.P. - Use of electronic computers in the development of the daily plans of the operational work. p. 33.  
 Minkin, I.I., Shatilov, V.V. - Information and centralized freight delivery. p. 35.  
 Kretov, N.E., Sokol, E.N. - Compacted loading of freight cars. p. 38.  
 Nozhevnikov, A.M., Charnina, R.M., Kuperman, Z.O. - Progressive technology of the operations in the technical car inspection point. p. 38.  
 Semesheko, P.T., Inozemtsev, I.A., Vigdergauz, E.M. - Organization of track and construction work during combined traffic intervals. p. 44.  
 Vorob'ev, P.M. - Reliability and life of spare parts. p. 60.  
 Zarnitsyn, S.N. - Defectless repair of locomotives. p. 65.  
 Davydov, V.N. - Efficiency of complex electrification. p. 67.  
 Shadur, L.A., Evstat'ev, B.S. - Preventing the break of the swing links in couplings. p. 61.  
 Bunin, D.A. - Comparative technical and economic indices of the radio-relay and cable communication lines. p. 64.  
 Pakhman, T.A., Simanovskii, M.A. - Planning and accounting of transportation costs in the national economy. p. 68.  
 Pokazanov, A.Kh. - Introduce continuous operation planning in repair plants. p. 73.  
 In the Collegium of the Ministry of Railroad Transportation: Improve the organization of locomotive repair and technical maintenance. p. 76.  
 Main line to the Siberian petroleum. p. 77.  
 New timetable of passenger trains. p. 78.  
 New train sheet for freight trains. p. 79.  
 Improving the plan for making up trains. p. 80.  
 Speed up the electrification of transportation. p. 81.  
 Experimental gas-turbine train. p. 82.  
 Daniluk, A.A. - Improve the inspection of axle equipment. p. 83.  
 Railroad news. p. 86.

Vol. 47, no. 6, June 1965.

- Table of contents translated:  
 Nachuchenko, S.F. - New crops and tasks of railroaders. p. 3.

- Work organization on a scientific basis. p. 0.  
 Kimstach, A.K. - New aspects of passenger service. p. 13.  
 Bogdanovich, G.I. - Combined terminals of the Lvov Railroad. p. 18.  
 Akhmedov, M.M. - Modern terminal in Baku. p. 21.  
 Shabalin, N.N., Kovalev, A.S. - Operative planning of the making up of trains. p. 23.  
 Iokton, A.I. - Technological routing of ore and metallurgical plant freight. p. 27.  
 Djatlov, G.S. - Base stations and specialized unloading points. p. 30.  
 Platonov, G.A. - Improved conditions of the work of dispatchers. p. 33.  
 Smirnov, M.I., Borisov, A.I. - Efficient utilization of electric trains. p. 36.  
 Astaf'ev, N.I., Litinskii, S.M. - Compact loading of large freight units. p. 37.  
 Ezerin, A.E., Leonovich, B.N. - Scientific organization of work in locomotive roundhouses. p. 39.  
 Merezko, V.G. - Cooperation and specialization in locomotive roundhouses. p. 45.  
 Gidushko, V.I. - Current maintenance of freight cars under the new conditions of operation. p. 49.  
 Khudokormov, V.I., Evlin, G.D. - Maintenance and repair of all-steel passenger cars on conveyor lines. p. 54.  
 Kuz'menko, V.A., Vetrov, I.E. - Traffic safety to be placed under public control. p. 60.  
 Abelshtvili, L.G. - Comparison of locomotives by the specific capacity. p. 64.  
 Rozhdetskiy, A.S., Gokhman, M.L. - Automatic control of fueling diesel locomotives. p. 65.  
 Tungengold, K.A. - Improvement of transportation conditions in Northern Caucasus. p. 67.  
 Lugovoi, P.A. - Determining the efficiency of capital investments. p. 72.  
 Rabinov, M.G. - Establishing work norms in the current track maintenance. p. 75.  
 Provide for organized passenger traffic during the summer season. p. 78.  
 Introduction of electric heating and air conditioning in passenger cars. p. 79.  
 Khokhlov, E.A. - Electrification of industrial railroads. p. 81.  
 Rogachevskii, A.S. - On the base of a uniform technology. p. 84.  
 Kulayev, K.V. - Public Institute of Scientific Work Organization. p. 87.  
 Mechanized divisions for loading and unloading operations. p. 88.  
 Drobyshchikov, V.A. - New equipment and techniques for the mechanization of loading and unloading operations. p. 89.

#### h. MINING & METALLURGY

- AKADEMIA NAUK URSR, Kiev. *Instytut geologicheskikh nauk*. Prilozh. Seriya geologii rodovysnykh korysnykh kopalyu [ACADEMY OF SCIENCES OF THE UKRAINE-AN S.S.R. Institute of Geological Sciences. Transactions. Series in the Geology of Mineral Deposits]. Kiev, no. 1, 1963. [Building materials of the Ukraine]  
 Table of contents translated:  
 Foreword. p. 4.  
 Tkachuk, L.G. - Schematic sketch of the geological structure of the Ukraine. p. 5.  
 Rock products. p. 10.  
 Tkachuk, L.G. - Igneous and metamorphic rock as building materials. p. 10.  
 Soloninko, I.S. - Volcanic tuffs. p. 33.  
 Soloninko, I.S. - Marble. p. 42.  
 Sasinovych, V.S. - Marblelike limestones of the Crimean Mountains. p. 53.  
 Sedimentary rock products. p. 59.  
 Dunaeva, N.M. - Gypsum and anhydrite. p. 59.  
 Dunaeva, N.M. - Sandstone. p. 66.  
 Zernetskiy, B.F. - Limestones and dolomites. p. 71.  
 Romodanova, A.P. - Building sand and ballast. p. 85.  
 Minerals for the production of building materials. p. 87.  
 Ivanukov, O.V. - Cement raw materials. p. 87.  
 Romodanova, A.P. - Brick and tile clay and loam. p. 118.  
 Ivanukov, O.V. - Sand for glass. p. 128.  
 Rus'ko, I.U.O. - Kiolin. p. 140.  
 Soloninko, I.S. - Keraznits raw material. p. 149.  
 Kulchenko, V.G., Lylyyn, O.L. - Natural mineral pigments. p. 158.  
 Soloninko, I.S. - Perlite raw materials. p. 167.  
 Soloninko, I.S., Mokrenko, A.I.U. - Vermiculite is a valuable building material. p. 175.  
 Literature. p. 180.  
 Resumé. p. 182.

BURENIE [DRILLING]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po neflianoi, neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 10, 1964

Table of contents translated:  
 Towards new work successes comrade petroleum and gas workers. p. 3.

- One hundred years of the petroleum industry. p. 4.  
 Brown, S.I., Kichigin, A.V., Perlov, I.N. - Percussive-rotary drilling of structural-prospecting wells with hydraulic-pneumatic equipment. p. 10.  
 Blizniukov, I.U.N., and others. - Side tracking when drilling deep wells. p. 13.  
 Avdeev, I.A.I., Gamzatov, S.M. - Well drilling with a diamond bit. p. 17.  
 Makshantsev, V.P. - Sampling a core from a producing horizon in Romashkino oil field. p. 19.  
 Bochkarev, G.P., Zariyev, S.Z. - Effect of the dynamic filtration of drilling fluids on wall cave-ins in deep wells. p. 22.  
 Sidorov, I.A., Neshta, P.I. - Studying the corrosion resistance of cement samples using molds at great depths. p. 25.  
 Varlamov, P.S. - Qualitative and quantitative evaluation of prospective horizons according to the data obtained by sampling with a formation tester on a cable. p. 29.  
 Islakaev, V.A. - Technical and economic indices of the use of formation testers on a cable. p. 31.  
 Kuz'mina, N.K. - Deformation of pipes caused by an explosion of charges from the detonating cord. p. 36.

GAZOVOE DELO [GAS INDUSTRY]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po neflianoi, neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 1, 1965

- Table of contents translated:  
 Zaverailo, M.M., Vasil'ev, M.M. - Selecting the necessary heat-exchange surface of gas "pipe in pipe" heat exchangers for cooling gas. p. 3.  
 Khmushin, A.M., Mikhailov, N.P. - Investigating the operation of a unit for the low-temperature separation of natural gas with an injection of diethylene glycol. p. 6.  
 Petr'enko, V.I., Solomakhin, V.I., Aslanov, D.A. - Lining for flow pipes in the wells of the Leningrad gas-condensate field. p. 10.  
 Ermenson, I.A.I. - Gas-pipeline accident prevention. p. 12.  
 Vladislavlev, A.S., and others. - Physical modeling of the pressure vibrations in pipeline systems. p. 14.  
 Maigurov, E.N., Rova, E.A. - Estimating the passability and determining the motive force for methods of internal pipeline cleaning. p. 17.  
 Dubrovskii, B.G. - Electrolytic corrosion of the inner surfaces of pipelines used as conductors of electric current. p. 20.  
 Abramov, D.M., Zeinalov, S.D., Agaev, N.M. - Electrochemical method for determining the efficiency of corrosion inhibitors for steel in the production of gas-condensate wells. p. 22.  
 Bogorodskii, M.T. - Stoves with withdrawal of combustion products into a flue system. p. 26.  
 Ariand, A.N. - The economics of the storage of liquefied methane in the United States. p. 30.  
 Kuznetsov, I.U.A. - Determining the most economical method for compensating for the seasonal disparity in gas consumption. p. 33.

No. 4, 1965.

- Table of contents translated:  
 Rybakov, F.F., Kalashnev, V.V. - Efficient depth for lowering tubing in marginal gas wells. p. 3.  
 Tverkovskii, S.M. - Multicyle investigations of wells in the Gazli gas field for a more precise determination of the optimal yields. p. 5.  
 Saliev, T.A., Lobkov, A.M. - Effect of surfactants on the formation and sedimentation of hydrates. p. 9.  
 Burlakov, I.A., Gudok, N.S. - Effect of the temperature and overall pressure on the gas permeability of rocks. p. 13.  
 Drilichin, A.I., and others. - Reinforcing bottom zones in gas wells of the Radchenkov gas field with ceramic filters. p. 17.  
 Iekhanov, V.G. - Determining the intensity of the growth of corrosion crust on the lift pipes of injection wells during their exploitation. p. 21.  
 Negrezev, V.F., Allakhverdiev, G.A., Samedov, I.U.G. - Effect of a year's time on the development of the corrosion of steel in the ground. p. 24.  
 Ioffe, E.I., Tarnighevskii, M.V. - Cathodic protection of municipal underground structures. p. 27.  
 Shadok, E.G. - Certain features of the incomplete combustion of gases and monitoring the air-flow factor in nonoxidative heating furnaces. p. 29.  
 Kozlov, A.L., Kulikova, V.D., Urinson, G.S. - Some problems in the economics of the development of the Gazli gas field. p. 31.  
 Rodin, A.K. - Technical and economic indices for infrared gas heating. p. 34.  
 Bobyleva, L.I. - Natural gas production and reserves in the United States. p. 35.

## No. 5, 1965.

- Table of contents translated.
- Petrov, V.N., Somov, B.E. - Determining the coefficient  $\beta$  in a binomial equation for gas flow. p.3.
- Rassoldin, G.V. - Development of the Kanevskoye gas-condensate field. p.6.
- Gocharov, V.P., Goshkov, A.K., Bahjan, A.I. - Hydraulic fracturing in gas wells. p.10.
- Parasov, B.V., Kashparov, M.M. - Simultaneous joint and separate exploitation of groups of formations in the Archeda-Don gas fields. p.13.
- Negirev, V.F., and others. - Aging of plastics in saline soils. p.18.
- Nikitenko, E.A. - Distribution of corrosion damage along the circumference of a pipeline. p.20.
- Tsachenko, V.N. - Unit for modeling practical problems concerning the cathodic protection of underground metal structures from eddy currents. p.23.
- Kogan, K.P., Polosin, I.A. - Remote-control electro-gas injection ignition device. p.27.
- Shanin, B.V. - Simplified method for calculating the efficiency of the use of natural gas in multistage units. p.29.
- Shilakhov, A.F. - Preparative separation of light saturated hydrocarbons in gas-adsorption chromatography. p.33.
- Alekhin, I.M. - Economic efficiency of the use of gas in the Krasnodar Territory. p.37.
- Moks, M.B., Zalevskii, A.A. - Economic efficiency of the use of natural gas in the nitrogen industry. p.39.
- Baisanov, D.B. - Work of the Azertaijan Polytechnical Institute on automation and cybernetics. p.42.
- LENINGRAD, VSESOIUZNYI NEFTIANOI NAUCHNO-ISLEDovATELSKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE, Transactions]. No. 236, 1965.**
- Contents: Nalivkin, V.D., and others. [Comparative analysis of the oil and gas potential and the tectonics of the West Siberian and Turan-Scythian platforms] Sravnitel'nyi analiz neftegazonosnosti i tektoniki Zapadno-Sibirskoi i Turano-Scitskoi plit. 322 p.

## No. 238, 1964.

Contents: Kruglikov, N.M. [Hydrology of the northwestern margin of the West Siberian artesian basin] Gidrogeologiya severo-zapadnogo borta Zapadno-Sibirskogo i teziatskogo bassaina. 165 p.

## \*LITENOE PROIZVODSTVO [FOUNDRY PRACTICE].

- Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no.2, Feb.1965.
- Table of contents translated:
- Ivanov, M.P., and others. - The 31st International Congress of Foundrymen. p.1.
- The 32nd International Congress of Foundrymen. p.3.
- Noskov, B.A., Tsokerman, S.I. - Metallurgical characteristics of remelting cast iron scrap. p.3.
- Tirenko, A.M. - Making use of cast iron scrap. p.5.
- Dorofeev, I.U., Mal'nev, V.P., Nikitenko, I.N. - Remelting ShKh15 steel scrap. p.7.
- Rostovtsov, L.I., and others. - High chromium steel for heat resistant castings. p.9.
- Baryshovskii, L.M., and others. - Oil-free KO<sup>1</sup> binder. p.11.
- Timofeev, A.A., Chukanov, V.D., Dvoskin, S.M. - Compartment system for the continuous drawing of pig iron and slag. p.13.
- Parasluk, P.F. - Automatic control of furnaces for the heat treatment of G13L steel castings. p.15.
- Semenov, N.I.A., Popov, R.N. - Foundry equipment in foreign countries. p.16.
- Shalashov, V.A. - Effect of preliminary irradiation and heat treatment on the graphitization of malleable cast iron. p.25.
- Shul'te, G.I.U., Ankyab, K.M., Bidalia, F.N. - Gas content of malleable cast iron. p.26.
- Vertman, A.A., and others. - Hyperreutectic part of the iron-carbon constitutional diagram. p.27.
- Trofanovskii, V.I. - Relation between labor productivity and the degree of mechanization of foundries. p.34.
- Shapkin, V.M. - Effect of residual stresses on the wear resistance of gray cast iron. p.35.
- Permiakov, V.G., Dunaeva, S.A. - Diffusive redistribution of aluminum during the graphitizing annealing of cast iron. p.36.
- Volkov, N.N. - Desulfuration of cast iron in vacuum. p.37.
- Markenbakh, L.M., Kandelin, V.V. - Evaluating the quality of cast iron by the carbon equivalent. p.40.
- Nashol'skii, A.M. - Electrical conductivity of cast stone at high temperatures. p.42.
- Pavlov, I.U.V. - Operation of an acid open-hearth furnace fired with natural gas. p.43.

- Ridnyi, A.A., Osipova, N.A., Andrienko, K.A. - Introduction of the KO oil-free binder. p.13.
- Pavlenko, I.I., Nikitenko, V.I. - Equipment for feeding the mold wash to the working area. p.45.
- Gaisin, B.M. - Heat accumulation properties of washes and sand fusion. p.45.
- Tanklevskii, N.G. - Sand covering of pattern blocks in a pseudo-lubricized bed and the cleaning of precision castings in alkali baths. p.45.
- Pashchenko, A.I.A. - Compartment driers with recirculation of combustion production. p.46.
- Karapantskii, A.M. - Modernizing the 112 runner mixer. p.47.
- Volkov, V.M. - High-silicon malleable cast iron for fittings. p.47.
- Marchenko, I.K. - Graphite inserts in chills for iron castings. p.47.
- Bayhenov, A.G. - Cast and welded flasks. p.47.
- Sixtieth anniversary of Iosif L'vovich Mirdin. p.48.

## No.3, Mar. 1965.

- Table of contents translated.
- Nekhtenzel, I.U.A., Lebedev, K.P. - Heat resistant foundry alloy with an addition of nitrogen. p.1.
- Komissarov, V.A. - Use of large metallic cores for iron casting into chills. p.4.
- Nefedov, P.I.A., and others. - Coke briquets for cupola furnaces. p.6.
- Gershtenker, S.I.A. - Improving the cost analysis of castings. p.8.
- Shkonda, K.V. - Organizing the coordinated work of melting and molding sectors. p.9.
- Khudokormov, D.N., Belotskii, V.D. - Graphitizing annealing of cerium cast iron. p.11.
- Soskin, D.S. - Standardizing the equipment and tools for precision casting. p.13.
- Vrublevskii, V.I., and others. - Weighing equipment for the proportioning of a cupola charge. p.15.
- Popov, R.I., Semenov, N.I.A. - Foundry equipment in foreign countries. p.16.
- Skazhenik, V.A. - Standardization of pouring ladles. p.24.
- Burisev, V.T., and others. - Kinetics of gas liberation during the inoculation of liquid cast iron. p.25.
- Mirza, A.N., Nelmark, B.E. - Physicochemical and thermophysical properties of cast iron for locomotive diesel engine pistons. p.27.
- Chernogorov, P.V., Nebogorov, I.U.E. - Investigating the process of drawing shapes from molten metals. p.29.
- Kolesichenko, A.G. - Thermal insulation coverings of chills for thin-walled iron castings. p.30.
- Gasparyan, L.A. - Effect of vacuum treating the mold cavity on parameters of the process and gas content of castings in die casting. p.32.
- Ryzhikov, A.A., Zlotin, S.Z. - Flow of gases from the mold cavity through vents during die casting. p.35.
- Sasluk, G.F. - Fluidity characteristics of complex alloys. p.37.
- Rezin'skikh, F.F. - Mechanism of packing by ramming the mixture in a closed flask. p.39.
- Dabikov, I.U.A. - Intensification of heat exchange in a gas-fired cupola. p.42.
- Viktorov, G.A. - Modernizing the control system of model 305 core-blowing and core-shooting machines. p.43.
- Tanklevskii, I.G. - Oval hoppers for the molding mixture. p.43.
- Turbovskii, M.M. - Molding sands of Central Asia. p.44.
- Borisev, G.P., Markhasov, B.I. - Effect of water glass additives on the properties of sand and clay mixtures. p.44.
- Gorodetskii, L.N. - Improving the performance of grab bucket mechanisms. p.45.
- Skozovov, L.N. - Multiple gating system of casting. p.46.
- Polikh, M.D., Turvskii, M.L. - Increasing the durability of chills for the casting of bronze bushings. p.46.
- Soskin, D.S., Neslerov, M.A. - Assembly of wax patterns to the gating system for precision casting. p.47.
- Dorofeev, V.A. - Making cast stone pipe by the static method. p.47.
- Lubchenko, A.P., Sherman, D.G., Mozharov, M.V. - Character of the microdistribution of cerium in cast iron. p.48.

**MASHINY I NEFTIANOE OBOURODOVANIE [MACHINERY AND PETROLEUM EQUIPMENT].** Issued by Gosudarstvennyi komitet po tekhologii promyshlennosti pri Gosplane SSSR and Tsentral'nyi nauchno-issledovatel'skii Institut informatsii i tekhniko-ekonomicheskikh issledovaniia po nefti i i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.5, 1965.

- Table of contents translated:
- Kirina, T.A., Sukhanishvili, T.S., Dilanov, G.M. - Using a tool with antisticking spiral grooves in deep drilling. p.3.

- Molchanov, G.V. - Some problems in the design of pipe elevators. p.5.
- Kuliev, I.P., Aliev, Sh.M., Maizel'man, V.N. - Selecting the design of a swivel eye. p.10.
- Koimzade, A.S., and others. - Determining the appropriate degree of hardening for sucker rods. p.14.
- Khakhaev, B.N. - Using the maximum power and output of cementing assemblies. p.19.
- Osipian, I.L. - Calculating the housing of string apparatus reinforced by stiffening rings. p.21.
- Voronetski, M.K., and others. - Automated free piston. p.24.
- Ploshchenko, B.K. - Automating the condensate stations of a petroleum refinery. p.26.
- Rakhmilovich, Z.Z., Rotte, A.E., Chai'niak, V.S. - Increasing the power of gas-motor compressors under conditions of exploitation. p.32.
- Taran, V.D., Gigen, I.U.G. - Heating petroleum-pipe ends with a shifting arc for pressure welding. p.36.
- Gritsenko, I.A., Smolina, A.K. - Changing the design of the holding unit of a cable guide as m in order to eliminate local damage to the drawworks drum. p.39.

**\*METALLOVEDENIE I TERMICHESKAYA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS].** Organ of Gosudarstvennyi komitet po mashinostroeniui pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no.4, Apr. 1965.

- Table of contents translated.
- Bogachev, N.N., Egolov, V.F., Malinov, L.S. - Isothermal formation of the  $\epsilon$ -phase following precipitation hardening of iron-manganese alloys. p.2.
- Kozlov, K.K., Kondrat'ev, E.T., Melikhov, I.S. - Intermediate transformation of austenite. p.8.
- Gel'd, P.V., and others. - Effect of structure on the hydrogen permeability of steel. p.10.
- Gol'tsev, V.A., Gel'd, P.V., Shteinberg, M.M. - Effect of strain and precipitation hardening on the rate of hydrogen penetration into ferrite. p.14.
- Lipchin, N.N., Bolykh, I.U.A., Ershov, V.M. - Phase recrystallization of steels alloyed with molybdenum. p.17.
- Blanter, M.E., Gaiduzova, N.E., Toigashova, A.G. - Mechanism of the recovery of strain-hardened iron under the effect of rapid heating. p.22.
- Fedorov, S.G., Sinodova, E.P. - Characteristics of martensite transformations in titanium alloys. p.26.
- Bokshstein, S.Z., and others. - Investigating magnesium diffusion in aluminum by the method of evaporation in vacuum. p.30.
- Moiseev, V.F., Geller, I.U.A. - Effect of cobalt on the structure and properties of high-speed steel. p.39.
- Pavars, A.E., Geller, I.U.A. - Effect of residual austenite on the strength of tool steel. p.45.
- Delev, V.G., Shul'man, P.A. - Effect of diamond grinding on the surface layers of hardened R18 steel. p.49.
- Zemskov, G.V., Kaidash, N.G. - Aluminum boride coatings on steel. p.51.
- Belov, I.U.A., Markin, G.M. - Nitriding 25Kh5MA steel. p.53.
- Trus', A.M. - Heat treatment of thin, flat circular disks. p.55.
- Borisov, A.A. - Heat treatment of heavily loaded gears. p.56.
- Sintsov, V.A. - Effect of the temperature during casting on the structure and the mechanical properties of 1Kh19Ni13M2T steel. p.59.

**\*METALLURG [METALLURGY].** Issued by Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.10, no.5, May 1965.

- Table of contents translated:
- "All for the war effort, all for victory" p.1.
- Friendship strengthened in war and in work. p.2.
- Litvinenko, V.I. - Use of large diameter blast furnaces at the D'ich plant. p.4.
- Miroshnichenko, A.A., Lekontsev, I.U.A., Pashkeev, G.G. - Characteristics of the performance of a blast furnace with the use of mazut. p.8.
- Krutchkov, V.V., Beliaev, A.L. - Carbon mix for lining cast iron and slag runners. p.11.
- Improvement of the drive of a vibrating, self-balancing, and self-centering grizzly. p.14.
- Barvinskii, B.V. - Durability of the wall lining of the DGP-80 electric furnace. p.15.
- Baryshnikov, G.I., Frel'denberg, A.S., Gudov, V.I. - Rapid reconditioning of an open-hearth furnace hearth. p.17.

- Iatsunskaya, O.I., and others. - Production of crumbling open-hearth furnace slag. p. 20.
- Kozlov, V.K. - Repair of back walls and corners of open-hearth furnaces by means of gunning. p. 22.
- Cooling the front and back walls of open-hearth furnaces. p. 22.
- Nolova, V.I. - Changing lining of the nose of a bessemer converter. p. 23.
- Vinoli, I.I. - Modernization of a nonstandard ladle crane. p. 23.
- Zhuravlev, A. - Trying to make perfect steel. p. 24.
- Pekker, A.N., Evtushenko, F.A., En'kov, E.V. - Natural gas to intensify the heating of ingots. p. 25.
- Vit'ko, P.I., Rollman, V.I., Nudel'man, I.N. - The EMID-2M defectoscope is helping workers in pipe mills. p. 26.
- Simonov, K.V. - Block heat insulation of pipes for the hearth of continuous furnaces. p. 28.
- Baskin, B.M., and others. - Reconditioning couplings of automatic pipe rolling mills. p. 29.
- Ilukovich, B.M., Merkur'ev, S.E. - Rolling of special sections for the screens of jiggling machinery. p. 30.
- Toekhoparan, N. - Pneumatic transfer pump. p. 31.
- Slavin, V.B., Ganets, F.M. - New developments in the ventilation of a pickling department. p. 31.
- Butyikina, L.I., Beniakovskii, M.A. - Efficient conditions for the skin press rolling. p. 32.
- Portnoi, M.E. - Network planning in metallurgy. p. 34.
- Popov, M. - Quality and reliability in the center of attention. p. 35.
- Shandrenko, G.I. - Modern methods of repairing in metallurgy. p. 36.
- Pollachuk, F.I.A. - Highly efficient replacement for metal. p. 37.
- Bulaev, P. - In the final year of the seven year plan. p. 38.

Vol. 10, no. 6, June 1985.

- Table of contents translated.
- Charikhov, L.A. - Automation of industrial processes in the iron and steel industry. p. 1.
- Shumilov, K.A., and others. - Automatic control of the operation of blast furnaces with the help of electronic computers. p. 3.
- Syromiat'skii, V.A., and others. - Automatic control of the return cooling cycle in a sintering plant. p. 6.
- Chernov, G.I., and others. - Operation of a blast furnace with automatic control of the blast distribution through the tuyeres. p. 8.
- Maksimov, N.P. - Device for measuring the quantity of fly ash carried out of blast furnaces. p. 10.
- Konovalev, S.I., Sekir, S.I. - Proportioning the mixture in the sintering batch mixture. p. 11.
- Grishchenko, M.V., Malevanyan, E.D., Kucherskii, R.A. - Control of dust in areas beneath the hopper. p. 12.
- Gold'sman, G.D. - Using natural and coke gas in blast furnace production. p. 13.
- Efrolimovich, I.U.E., and others. - Mechanization of the steel making process in arc furnaces. p. 15.
- Blinov, O.M., Surguchev, G.D., Reiss, M.R. - Control of open-hearth furnace production with the use of computers. p. 17.
- Tuluevskii, I.U.N., and others. - Experience in the automatic control of thermal conditions of a large-capacity open-hearth furnace. p. 20.
- Sol'tser, I.G., and others. - Temperature measurement in a converter bath. p. 22.
- Nechaev, E.A. - Automatic gas analysis. p. 24.
- Ramnev, G.G., and others. - Using continuous operating dynamometers on strip mills. p. 25.
- Polushkin, V.P., Medovshchikov, N.I. - Computer for calculating reduction conditions of the 2500 mill. p. 27.
- Berdianskii, M.G., and others. - Mechanism for introducing dry lubrication into the pipe shell before entering the rolling mill. p. 28.
- Lebedev, I.U.G., Potapov, I.N. - Mechanization of the removal of hot metal from the roll train. p. 30.
- Zhugulov, A.V., and others. - Semiautomatic cutting of thick sheet. p. 32.
- Goncharov, G.K., Krizanov, A.F., Podol'skaya, S.G. - Machine for cutting off the unfinished ends of shells. p. 33.
- Katsin, I.S., Os'maga, I.I., Oleksa, P.M. - Eliminate excessive load testing of bridge cranes. p. 34.
- Alaichchenko, V.G., Shevyrin, I.U.A. - Automation and mechanization of industrial processes at the Karaganda metallurgical plant. p. 35.
- Kamenskii, M., Olerin, D. - University of technical progress. p. 36.
- Tamborisev, N., Saranskikh, I. - Creativity of engineers and technicians. p. 37.
- Luk'ianchenko, A., Vlasovetski, S. - The volunteer department for the introduction of efficiency suggestions is in operation. p. 39.

MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSEDOVATELSKII INSTITUT TSVETNYKH METALLOV. Sbornik nauchnykh trudov [STATE SCIENTIFIC RESEARCH INSTITUTE OF NONFERROUS METALS. Scientific Papers] No. 9, 1955. Dust collection in nonferrous metallurgy.

- Table of contents translated.
- Pelsakhov, I.L. - Characteristics of dusts from nonferrous metallurgy plants according to their specific surface and structure. p. 5.
- Voskresenski, P.I., Pelsakhov, I.L. - Performance of electrostatic filters with gases from the roasting of molybdenum concentrates. p. 23.
- Pelsakh, I.L., Gordon, G.M., Denisov, V.F. - Generalization the experience of using bag filters in plants of the lead and zinc industry. p. 29.
- Gordon, G.M., Karpov, B.Z. - Filter fabrics for bag filters used in nonferrous metallurgy enterprises. p. 33.
- Voskresenski, P.I. - Dust collection in secondary copper plants. p. 43.
- Voskresenski, P.I., Fur'ev, N.V., Plotnitski, I.Sh. - New methods of controlling dust collection systems. p. 76.
- Gordon, G.M., Ozol't, N.P. - Using rapid dust collectors with preliminary moistening of gases in plants of nonferrous metallurgy. p. 98.
- Arslanova, A.M., Orlov, A.A. - Distribution of dust losses in copper smelting plants. p. 113.
- Arslanova, A.M., Pelsakhov, I.L. - Selenium recovery in copper electrolysis plants. p. 119.
- Eliseev, N.N. - One and two half-cycle feeding of electric precipitators with high-voltage current. p. 122.

MOSCOW, INSTITUT NEFTEKHMICHESKOI I GAZOVOI PROMYSHLENNOSTI. Trudy [INSTITUTE OF THE PETROCHEMICAL AND GAS INDUSTRY. Transactions]. No. 52, 1984.

- Table of contents translated.
- Meerov, M.V. - Some theoretical problems of automation in the petroleum, petrochemical, and gas industries. p. 3.
- Mikhailov, B.N. - Rectification column as an object of automatic control. p. 9.
- Liangor, M.S. - Some algorithms of automatic optimization with random test actions. p. 24.
- Bershadskii, A.E., Dianov, V.G. - Automation of a gasoline plant. p. 40.
- Fridman, V.G. - Problem of multiple control. p. 52.
- Petelin, D.P. - Automatic control of the angular velocity of a d.c. drive with a series excitation motor. p. 55.
- Burtol'kova, Z.L. - Methods for the recalculation of the amplification factors and time constants of motors operating with different plant loads. p. 74.
- Lapshenkova, I.A. - Study of the errors of pneumatic timers. p. 78.
- Tegubov, I.A. - Form of vibrating effects produced to counteract the negative action of dry friction in devices. p. 83.
- Tumal'kin, A.S. - Composite hydropneumatic modeling system. p. 85.
- Dianov, V.G., Bershadskii, A.E. - Dynamic properties of thermocouples. p. 93.
- Maksimov, I.U.F. - Algorithm of the synthesis of multiply coupled linear automatic control systems. p. 99.
- Marabishvili, P.F. - Conditions of smooth operation of servosystems. p. 120.
- Belov, V.F. - Determination of the constant of magnetic anisotropy using ferromagnetic resonance data and dynamometric measurements in ferrites. p. 131.
- Belov, V.F., Nechushkin, A.M. - Ferromagnetic resonance and Faraday effect in some ferrites with spinel and garnet structures. p. 133.

NEFTIANAI I GAZOVAI PROMYSHLENNOST' [PETROLEUM AND GAS INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainy SSR po koordinatsii nauchno-isssledovatel'skikh rabot and Ukrain'skoe respublikanskoe pravleniye Nauchno-tekhnicheskogo obshchestva nefti i gazovoi promyshlennosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Republic Administration of the Scientific Technological Society of the Petroleum and Gas Industry]. Kiev, no. 2(22), Apr.-June 1985.

- Table of contents translated.
- Ivanik, M.M., Reshetnikov, I.A.M., Soroka, M.M. - Geological structure of the Spas oil field. p. 3.
- Myshkin, L.P., Lysianski, G.N., Lozinski, V.A. - Hydrogeological grounds for establishing the oil and gas potential of the convergence band in the inner and outer zones of the Carpathian piedmont fault. p. 5.
- Sirochina, T.V. - Effect of pressure and geological age on the porosity of reservoir rocks. p. 7.
- Kul'chitskii, D.I. - Geothermal characteristics of the Grynovka gas field. p. 10.

- TSypko, A.K. - Correlation of the structural planes of the Mesozoic and Paleozoic in the northwestern sector of the Dnieper-Donets Lowland. p. 13.
- Lesluk, O.I. - Accounting and reimbursement of expenditures on geological-prospecting operations. p. 15.
- Zhdovtsev, N.A., Selti, R.N., Gil'man, K.M. - Some results of tests of OM575A-8T bits manufactured from steel of electroslag remelting. p. 18.
- Kol'chenko, A.V., Titarenko, A.I. - Irregularity in the distribution of the load in the multiple axial support of a turbodrill. p. 21.
- Reshetnikov, N.P. - Simplified method for calculating the damping parameters of gasers and spouters. p. 23.
- Zil'berman, V.I., Prishchuk, R.R. - Side tracking in wells of small diameter. p. 24.
- Borezhnoi, A.I. - Formation of an airtight cement ring in the annular space of wells. p. 29.
- Larov, A.N. - Simple method for determining the gas content in foaming clay mud. p. 28.
- Denikin, Z.A., Berman, M.A., Shumilov, S.P. - Using jet-cutting mills in the weighting of circulating fluids. p. 29.
- Chekaltuk, E.B. - Thermolift. p. 31.
- Zastezhko, I.U.S., Terdovidov, A.S., Kurishko, V.A. - Possibility of flush production of thermal waters with static levels below the earth's surface. p. 34.
- Perchik, A.I. - Analyzing the organization of operations in well testing in the Ukrainian S.S.R. p. 37.
- Palinskii, R.V., Korshun, I.A.F. - Construction of wells for intrawell overflow. p. 40.
- Nikolaenko, N.A., Polikhat, Z.S. - Clay-acid treatment of wells in the Carpathian Mountain region. p. 43.
- Pilipets, I.A., Masevich, R.V. - Efficiency in the development of the Vygodna oil pool in the Dnipro oil field with maintenance of reservoir pressure. p. 45.
- Kachmar, I.U.D. - Determining the effect of counter-pressure on the efficiency of sand-jet perforation. p. 47.
- Lizogub, A.P., Groshev, A.A. - Photometric method for determining the content of tar in transformer oil. p. 51.
- Polatniko, R.I., and others. - Dehydrogenation of n-hexane on molybdenum-sulfide catalysts. p. 53.
- Prokopov, M.M., Grinenko, B.S. - Effect of the chemical composition of crude on the yield and quality of pyrolysis products. p. 54.
- Zherdetski, P.F. - Capital investments in the petroleum refining industry of the Ukraine. p. 57.
- Khlobnikov, A.N. - Utilization of metal and plastic pontoons in tanks on the tank farms of the Main Administration for the Supply of the National Economy with Petroleum Products and for Marketing in the Ukrainian S.S.R. p. 60.

NEFTEPERERABOTKA I NEFTEKHIMIA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Tsentral'nyi nauchno-isssledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po nefti i neftekhimicheskoi i gazovoi promyshlennosti [Central Scientific Research Institute for Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 1, 1985.

- Table of contents translated.
- Fedorov, V.S. - Future direction of technical progress in the petroleum refining and petrochemical industries. p. 3.
- Isoid, G.E., Ivanova, Zh.P., Gal'perin, B.M. - Industrial testing of a hydroxyethylated fatty acid demulsifier for desalting Arabian oil. p. 9.
- Mukhanov, F.V. - Operating and remodeling a unit for the purification of thermal-cracking dry and wet gases using an ethanolic solution. p. 11.
- Rudakova, N.I.A., and others. - Possibility of obtaining transformer and from oils from Valeny petroleum (Moldavian S.S.R.). p. 14.
- Donchenko, N.A., Chernala, R.P. - Determining the composition of a solvent for dewaxing units. p. 16.
- Ladyzhnikova, N.I., Druzhinina, A.V. - Determining the carbonates in the additives to motor oils. p. 17.
- Zmievskii, P.K. - Gas-turbine fuel for locomotives produced from the gas oils of retarded coking. p. 19.
- Ionkima, E.O., Dudnikova, R.V., Burmistrova, M.P. - Biochemical purification of waste waters at low temperatures. p. 21.
- Saratova, S.D., Simanov, V.A., Golovanenko, B.I. - Chromatographic analysis of the oxidation products of Tetralin. p. 23.
- Martynov, V.M., Morozova, M.V., Kuchinskaya, N.D. - Boding gene in case of absorption of water-vapors. p. 26.
- Smirnov, N.P., Kirsanov, I.P., Ivanov, S.S. - Operation of hydroforming units at the Novoufinka petroleum refinery. p. 29.
- Iulin, M.K., Vol'-Epshtein, A.B. - Refining liquid alkyl phenols from the production of p-tert-butyl phenol. p. 31.
- Aliev, D.A. - Catalytic processing of tar obtained in the dehydrogenation of butane. p. 32.



- Breshchenko, V.I.A., Ivanova, L.V., Rabinovich, S.I. - Chromatographic analysis of the fraction C<sub>1</sub>-C<sub>4</sub>. p.37.
- Bobrova, L.A., Zakharov, M.S. - Adsorption of carbon monoxide from a nitrogen-hydrogen mixture on zeolites. p.38.
- Vykhotsov, A.A. - Cascade system for controlling a simple rectification column. p.41.
- Nedobezhkin, A.E. - Automating the production of sulfuric acid. p.43.
- Glovink, E.A., Lebedev, V.A. - Automatic maintenance of the water level in scrubbers for the water purification of gas by removing CO<sub>2</sub>. p.40.
- Kul'basnyi, G.N. - Operating a pipestill with radiating walls. p.47.
- NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]**, Issued by Tsentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovaniy po neflianoi, neftekhimichesko i garovoi promyshlennosti [Central Scientific Research Institute of Petrochemical-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no.4, 1965.
- Table of contents translated:
- Chemodanov, V.S., and others. - Investigating the decrease in the dimensions of an oil pool in bed D<sub>1</sub> of the Bavy oil field in the process of edge-water flooding. p.3
- Garipov, M.G. - Controlling the development of oil reserves in case of contour flooding in the Azna-kayev region of Romashkino oil field. p.8
- Aliev, Sh N., Chernomordikov, M.Z., Shapiro, B.A. - Efficient profile for the filter section of a hole. p.12.
- Solomatn, G.G., Kulyev, I.U.M. - Using the sand-jet method for disintegration in the repair of wells p.16.
- Kotlovskiy, L.A., Ovnatnov, G.T., Gorlan, V.I. - Effect of external pressure on the granulometric composition of natural and artificial sands. p.20.
- Satikhov, N.B., Kodzhanov, A.A. - Side tracking and two-hole drilling in the Oil Field Administration of the Buzovoy Petroleum Trust using three-phase foam. p.20.
- Satikhov, N.B., Kodzhanov, A.A. - Sealing head device for side tracking and simultaneous drilling using three-phase foam. p.28.
- Melanifidi, G.F. - Automatic control of the dynamic level in siphon water-supply wells. p.30
- Fishman, M.P. - Gathering gas from beam wells with sealed annular space. p.31
- NEFTIANOE KHOZIAISTVO [PETROLEUM INDUSTRY]**, Organ of Gosudarstvennyi komitet nefteobrabatovushchei promyshlennosti pri Gosplane SSSR [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.43, no.3, Mar. 1965.
- Table of contents translated:
- Gombiner, D.A., Mikov, K.P. - Calculating the cost of petroleum production for individual wells. p.1.
- Fomichev, P.M. - What methods should be used to account for the cost of the construction of wells; a topic for discussion. p.6.
- Makarov, V.V. - Extend the rights of enterprises, strengthen business accounting in drilling, a topic for discussion. p.9.
- Gligor'ev, P.N., and others. - Nature of the wear of bit rigging during drilling. p.12.
- Zav'iatov, S.F. - Determining the quantity of drilling fluid depending on the r.p.m. of the roller bit and its structural features. p.16.
- Mochornuk, D.IU. - Refining the design equation for determining the permissible axial load on a threaded casing joint. p.18.
- Avetisyan, N.G., Grigor'ov, V.I. - Effect of a curved and vibrating drilling-string bottom on the well wall. p.22.
- Zhukhovitskii, S.IU. - System for controlling the structural and mechanical properties of clay muds. p.27.
- Trebin, F.A., and others. - Prospects for the development of the gas and oil industries of the Komi A.S.S.R. p.34.
- Kuvykin, S.I. - Development of the new oil and gas province of Tyumen' Province is a most important national-economic problem; a topic for discussion. p.40.
- Dumlat'ian, A.G., Petrushevskii, E.I. - Developing the oil fringe of the VII horizons of the Karadag gas-condensate field. p.47.
- Surguchev, M.L. Pulse (cyclic) drive as a method for increasing oil yield. p.52.
- Kotikhov, F.I. - Thermal drive in carbonate petroleum reservoir rocks. p.58.
- Amilian, V.A., and others. - Physical and physico-chemical fundamentals of sand-plug flushing in oil wells using foam. p.63.
- Tolkov, A.P., Kuzhichik, L.A. - Investigating the problem of the simultaneous separate withdrawal of water and petroleum and the increase in ultimate anhydrous production. p.65.
- Struk, L.S., Chernaikin, V.I. - Optimal temperature of the heating of viscous liquids when pumping through pipelines. p.70.
- Vol 43, no.5, May 1965
- Table of contents translated:
- Tomilov, G.F. - Petroleum industry in the years of the Great Patriotic War (for the 20th anniversary of the victory over fascist Germany). p.1.
- Broide, I.M. - Certain problems of the cost of oil and gas production; a topic for discussion. p.6
- Gusman, M.T., Ageev, A.I. - Efficiency characteristics of a turbodrill. p.11.
- Aleksandrov, E.V., Kirin, T.A., Khmidaashvili, P.M. - Vibration compensator for a drilling tool. p.17.
- Khangil'din, G.N. - Investigating the effect of fineness of grind on the technical-plugging properties of cements and on the cost of plugging mortars. p.20
- Luzin, V.I. - Economic efficiency of the combined preparation of petroleum in the field. p.26.
- Segal', S.Z. - Stabilization of petroleum in the field. p.30
- Lobkov, A.M. - Results of field investigations of the separation of gas from Bashkirian petroleum in stages. p.33
- Mansurov, E.I., Balkov, N.M. - Methods for improving air tightness in the gathering of gas and oil. p.37.
- Skrupnik, E.I., Dolganov, V.I., Fokin, N.A. - Some problems concerning the demulsification of petroleum in the field. p.41
- Mikulin, B.P. - Results of the twentieth anniversary of work in the maintenance of reservoir pressure on the fields of the Khadyzhensk Oil Field Administration. p.45.
- Kholin, A.I. - Computer combined interpretation of geophysical field data. p.51.
- Degtiarev, V.N. - Preliminary results of investigations of the pumping of Zhetysay petroleum. p.58
- Moroz, P.A., Polianskaya, I.V. - Nonstationary processes in a petroleum pipeline when the regime of the operation of a pumping station changes. p.63
- Danilov, V.L. - Computer mathematics and techniques in petroleum production. p.68.
- \* **OGNEUPORY [REFRACTORIES]**, Organ of Gosudarstvennyi komitet po chernoi i svetloii metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.30, no.4, 1965.
- Table of contents translated:
- Simonov, K.V., and others. - Manufacture and testing of dolomite-magnesite brick with a resin binder. p.1.
- Arluk, B.I. - Dependence of the quality of fired materials on operating conditions of rotary kilns. p.8.
- Potemkin, P.S. - Aerodynamics of a fluidized bed of ground refractory material. p.10.
- Vornikovskii, V.E. - Determining the pressure of refractory mixtures at feeder pipe outlets. p.13.
- Stepanova, I.A., Bron, V.A. - Krasnoufimsk dolomites as raw material for metallurgical powder and resin dolomite products. p.16.
- Gaidina, N.M., and others. - Service life of Bakor 33 and Korkhari TSak refractories in glass furnaces. p.20.
- Samsanov, G.V., Kislyi, P.S. - Protective thermocouple sheaths for continuous temperature control of molten metals. p.28.
- Dudnikov, P.P., Matveev, M.A., Ianovskii, V.K. - Calculating high purity magnesium oxide with hafnium dioxide additives. p.32
- Akopo, F.A., Polubolarinov, D.N. - Some properties of fused ceramic from cerium dioxide. p.37.
- Luzgin, V.P., and others. - Character of the conductivity of MgO and Al<sub>2</sub>O<sub>3</sub>. p.42.
- Novikov, A.N., Kravets, I.V. - Peculiarities of resin dolomite refractories. p.44.
- REFERATIVNYI ZHURNAL' GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]**, Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1965.
- \* **REFERATIVNYI ZHURNAL' METALLURGIJA [JOURNAL OF ABSTRACTS: METALLURGY]**, Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1965
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii** [Isvestiia metallurgii] [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Nonferrous Metallurgy], Moscow, vol.8, no.1, 1965.
- Table of contents translated:
- Rozlov, V.G. - Conditions of localization and the morphology of ore bodies of the Blagodat'sk and Yekaterino-Blagodat'sk deposits. p.3.
- Chopikashvili, M.A., Sokolov, A.E., Togoiev, V.D. - Shot boring of holes on a continuous face. p.9
- Demina, N.S. - Overall mechanization and automation of operations at the secondary crushing level. p.14
- Shaflov, R.Sh., Chanturliia, V.A., Plaskin, I.N. - Characteristics of the fixing oxygen treated oleic acid on the surface of rutile and zircon. p.18
- Kakovskii, I.A., Thurenkova, G.N. - Physicochemical and flotation properties of displaced benzimidazole-thiones. p.21.
- Ushakov, V.D., Afanas'ev, G.D. - Ways of improving the power indices of crushing machinery for fine and medium crushing. p.28
- Lumkiss, S.E., Dubinina, K.P. - Effect of preliminary high-temperature heating on the physicochemical properties of solid and liquid materials. p.34
- Sheinin, A.B., Vidorchik, E.M. - Analytical regularities of continuous dissolution with recirculation of the solid phase. p.43
- Demidov, N.M. - Investigating the regularities of continuous leaching for the case of nonequivalent amounts of solid and reagent. p.52.
- Pechkovskii, V.V., Mal'tseva, T.G. - Thermochemical transformations during the sulfuration of oxidized nickel compounds by sulfuric acid in presence of carbon. p.58
- Dobrokhotov, G.N., Malorova, E.V. - Kinetics of autoclave leaching of nickel matte. p.64.
- Popereka, M.I.A., Koshmanov, V.V. - Effect of organic additives on crystallization stresses and the microstructure of zinc deposits. p.73
- Polinokov, P.V. - Electrodeposition of silver from fused chlorides. p.80.
- Smirnov, M.V., Ryzhik, O.A. - Inertness of metal electrodes in fused salt electrolytes. p.85.
- Zhombchuzhina, E.A., Nurenberg, G.I.A. - Effect of the presence in the electrolyte of aluminum metal and salt additives on the stability of cathode blocks during the electrolysis of cryolite-alumina melts. p.90.
- Zhurin, A.I., Ganin, V.M. - Certain electrochemical properties of cadmium in its electrolytic separation from solutions. p.96.
- Pakhlovsk, V.S., Simakov, S.E. - Sorption of niobium and tantalum from H<sub>2</sub>SO<sub>4</sub> - HF solutions by AB-17, EDE-10P, AN-2F anion exchangers. p.102.
- Amosov, V.M. - Mechanism of processes for the electrolytic separation of tantalum from fused oxysulfurides. p.110.
- Verbovenko, P.K. - Effect of pressure on the temperature of metal recrystallization. p.121
- Solodennikov, A.I. - Microhardness of alloys in the cadmium angle in the system cadmium - tin - bismuth - lead. p.125.
- Cherniavskaya, S.G., and others. - Using sound frequency waves for the realization of aging processes in aluminum alloys. p.132.
- Kozlov, O.F., Seidaliyev, F.S., Shovakin, I.U.F. - Investigating the cross plugging process. p.136
- Kochegarov, V.M., Ponomareva, V.M. - Electrochemical deposition of metals on silicon. p.142.
- Marashkov, I.K., Saunova, G.N. - Characteristics of the dissolution of copper and its alloys in ammonia solutions. p.147.
- Vinogradov, A.L. - Automating the asynchronous drive of skip hoisting equipment during deceleration and drawing-up periods with the use of a low-frequency current. p.152
- Kalinitina, A.P. - Economic analysis of industrial processes in ore dressing and metallurgical plants. p.159.
- Semenov, I.S. - Conference on the introduction of rod bolting in mining engineering. p.169
- Krestovnikov, A.N., Ghmel'farb, P.A. - The 18th Scientific Technological Conference of Students of the Moscow Institute of Steel and Alloys. p.171.
- Stepan Ivanovich Pol'kin on his 60th birthday. p.173.
- Evgenii Ivanovich Zhukovskii; an obituary. p.174.
- Vasilii Mikhailovich Gue'kov; an obituary. p.176.
- SHAKHTNOE STROITEL'STVO [MINE CONSTRUCTION]**, Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction of the U.S.S.R.] and others. Moscow, vol.9, no.5, May 1965.
- Table of contents translated:
- Trupak, N.G. - Improving the grouting of rock. p.1.
- Pavliukin, A.P., Tsirovich, I.A.N. - Improve the lower echelon operative planning in mine construction organizations. p.4.
- Fridland, A.M. - Investigating the fractured state of rock in a massif surrounding a mine working. p.7.
- Skuma, I.N. - Deformation of freezing columns. p.10.
- Lebedianskaya, Z.P. - Methods of predicting the inflow of water in strip mines. p.13.
- Ryzhenkov, V.I. - Establishing control point network in underground mine surveying in Dzhezkazgan. p.17.
- Grigorii Il'ich Man'kovskii; an obituary. p.18.
- Krupko, G.P. - Natural argillite-alteurolite suspensions in boring. p.18.
- Babenko, A.S., Gut, A.F. - Redesigning a headframe without stopping mine hoisting operations. p.20.



- Potemkin, N. I., Morkva, V. D., Samorodchenko, A. I. - Making 61 meters of an upraise in 16 days p. 23.
- Korotkiy, B. A., Ternovoi, V. P., Sherer, I. I. - Making the mouth of a shaft with the help of a caisson p. 25
- Likhtenshtein, M. G. - Scientific and technical conference on the problems of grouting fractured water-bearing rock during shaft sinking p. 29.
- Rossi, B. D. - Twenty years of research by the boring and blasting section of the Scientific Technological Society for mining p. 31
- The PNB-3M loading machine p. 3 of cover

SOVETSKII SHAKHTER [SOVIET MINER]. Issued by Tsentral'nyi komitet Profsoiuza rabochikh ugo'noi promyshlennosti SSSR [Central Committee of the Trade Union of Workers of the Coal Industry of the U.S.S.R.], Moscow, vol. 14, no. 3, Mar. 1965

- Table of contents translated:
- Rule of the people p. 1.
- Shvets, I. - In a thin seam p. 3
- Dovka, A., Abramovich, A. - Promising mining procedure, p. 4
- Kruglov, A. - From Moscow to the Kuznetsk Basin to Moscow, p. 6
- Shatskaya, T. - Communist Youth League members of the "Tatbinskaya" mine p. 8
- Budra, N. - "Professor of cutter-loader operation" p. 9
- Ischuk, I., Kuznetsov, G. - Method of mining by weakening the massif, p. 11.
- Panov, G. - Effectiveness of the detonation p. 12.
- Karpukhin, E., Motov, I. - New boring bit p. 13
- Matveev, V. - Mine support made of coal p. 14
- Shpilevoi, M. - Always searching, p. 15.
- Buzmakov, P. - Jack of all trades, p. 16
- Ponomarchuk, E. - Machinery in place of manual labor, p. 16
- Bychkov, S. - An economy of 100,000 rubles per year p. 17
- Papulov, I. - Better than the previous one p. 19
- Alfanas'ev, A. - More powerful, more reliable, p. 19.
- Golovchenko, D. - Turning on the lights p. 23
- Ladygin, N. - The giant straightens his shoulders, p. 24
- Silutun, V. - Five generations of miners p. 26.
- Buzmakov, P. - Back in the mining town of her birth p. 29.
- Donets Basin miners in Moscow, p. 30.
- Sviridova, N. - Housewives of our settlement, p. 30.
- Bakulina, V. - Our helper, p. 31.
- Sanin, L. - Like a relative, p. 32
- Lupalo, I. - In the work vacated by soldiers p. 33
- Novikova, T. - Family, p. 34.
- Mikhailenko, I. - Payment of wages to miners, p. 40

Vol 14, no. 5, May 1965.

- Table of contents translated:
- Eremenko, A. - Feet of all the people p. 14.
- Onika, D. - Covering detachment of miners, p. 4.
- Iakovlev, K. - Our hero p. 7
- Borisov, V. - Full of spirit, p. 8.
- Sanin, L. - Miner and partisan, p. 9
- Razin, V. - After 20 years, p. 10.
- Timofeeva, I. - A Marshal's son p. 11
- Shestakovich, A. - Maksut's generous heart p. 13.
- Utekhin, S. - Relic of military glory, p. 17.
- Il'in, B. - First discoverers of great possibilities, p. 18.
- Gavrilov, N. - Masters of hydraulic mining, p. 21.
- Pavlov, A. - For valiant work, p. 23.
- TSukerman, A. - In the valley of courage, p. 26.
- Padalka, I. - Only forward p. 27
- Fedorov, P. - Nevertheless we were successful p. 28
- Gur'ev, I., and others. - Mighty force of the present p. 30.
- Panov, I. - In the name of the collective, p. 33.
- Blumkin, R. - For "Big Chemistry" p. 40.
- Alferov, A. - Our foreign correspondent, p. 42.
- Korytin, G. - Wall newspapers for miners, p. 43.

'STAL' [STEEL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others, Moscow, vol. 25, no. 5, May 1965.

- Table of contents translated:
- Bazilevich, S. V., Kuteenko, V. F., Bazilevich, T. N. - Strength of sinter from Kursk Magnetic Anomaly ores, p. 385.
- Agashin, A. A., and others. - Experimental operation of blast furnaces on mazut and natural gas, p. 393.
- Toropov, E. V., Ivanov, A. D. - Ways of raising the temperature of the hot blast at the blast furnace department of the Magnitogorsk metallurgical combine, p. 401.
- Shustorovich, V. M., Morozov, B. A. - Studying the strength of a 55 ton charge oxygen-blown converter under operating conditions, p. 404.

- Gerslign, M. A., and others. - Improving the production of high-strength rails by alloying them with granulated ferrochromium in the ladle, p. 408.
- Morozov, A. N., and others. - Alloying open-hearth steel with exothermic ferroalloys in the ladle, p. 412.
- Zhigulin, V. L., Rubinskiy, P. S. - Role of manganese in the oxygen-blown converter process, p. 416.
- Smirnov, G. M., and others. - Measuring external surface temperatures of a large-capacity converter and converter ladle, p. 418.
- Kononov, V. S., and others. - Improving the quality of the head part of a killed steel ingot, p. 417.
- Urazil'deev, A. Kh. - Review of the book by V. I. Lapitskiy, N. I. Stupar and O. I. Legkostup "The metallurgy of steel," p. 418.
- Moskhech, E. I., and others. - Mastering the production of DI-6(Kh13G14N3) steel, p. 420.
- Ryss, M. A., Dmitrieva, G. V., Smirnova, A. S. - Ways of improving the performance characteristics of electrodes for steel smelting furnaces, p. 423.
- Mikeladze, G. Sh., and others. - Industrial experiments in the smelting of 45% ferroaluminum in a heavy-duty closed electric furnace, p. 426.
- Dubrov, A. K., and others. - Effect of various factors on the surface quality of stainless steel sheets, p. 430.
- Katsnel'son, G. M. - Effect of the rolling system on the quality of plate steel, p. 433.
- Polukhin, V. P., Zinov'ev, A. V., Zubanov, B. S. - Effect of the axial channel in working rolls on the elastic deformation of four-high rolling mill rolls, p. 435.
- Al'men, I. A., Brodits, A. S. - Operation of coolers in light section mills during high speed rolling, p. 438.
- Grinberg, Z. A., Smirnov, N. S. - Producing pipe with glass enamel coatings, p. 441.
- Romanenko, A. I., Babenko, E. I. A. - Transducers for the continuous control of metal in rolling mill rolls, p. 445.
- Kuznetsov, B. N., and others. - Pipe for the petroleum refining industry, p. 448.
- Zaslavskaya, L. V., Lashko, N. F., Fedotova, L. S. - Phase constitution and properties of heat resistant steel containing 12% chromium, p. 448.
- Shevchenko, Z. A., and others. - Nature of large nonmetallic inclusions in ball bearing electric steel, p. 452.
- Khorin, I. A. D. - Selection of steel and the heat treatment of grinding balls, p. 455.
- Miroshnichenko, F. D., Fol'dubul'm, I. S., Prokopenko, E. A. - Improving transformer steel properties, p. 458.
- Vlasov, S. G., Shangunova, R. A. - Computers for the use of planning organizations, p. 459.
- Kobylitskiy, I. I. - Review of the book by B. P. Bol'got'skiy, E. S. Glikman, and I. A. Medvedova "Establishing technical standards in the metallurgical industry," p. 460.
- TSelulko, I. U. I., and others. - Study of the heating of metal in a holding furnace, p. 462.
- Khasid, S. E., and others. - Operating a four-zone holding furnace on natural gas with automatic control, p. 464.
- Rozengart, I. U. I., and others. - Study of non-oxidizing heating of alloy steels, p. 469.
- Ladyzhenskaya, F. M., Eliseeva, N. V. - Effect of copper and other coatings on the corrosion resistance of wire, p. 474.
- Goncharov, P. G. - Maximum utilization of secondary and internal power resources is a primary problem of the national economy, p. 477.
- Serebriakova, I. B., Smirnov, N. S. - Iron content in molten zinc during hot galvanizing, p. 478.

Vol 25, no. 6, June 1965

- Table of contents translated:
- Makae, S. V. - The Nizhny Tagil metallurgical combine is 25 years old p. 481
- Ravikovich, I. M., and others. - Production of ferro-vanadium sinter at the Lebyazh'ye sintering plant, p. 484
- Lazarev, B. L., and others. - Heat exchange and reduction in the stack of a furnace operating on 100% fluxed sinter, p. 487.
- Freidenzon, E. Z., and others. - Characteristics of making vanadium cast iron from titanomagnetite ores from the Kachkanar deposit, p. 492.
- Borisov, I. U. S., and others. - Using liquid fuel in blast furnaces of the Nizhny Tagil metallurgical combine, p. 497.
- Arnautov, V. T., and others. - Developing and mastering the technology of converting vanadium cast iron in oxygen-blown converters with a 100 ton (Mg) capacity, p. 504.
- Brovman, M. I. A., and others. - Results of a year's operation and investigation of an oxygen-blown converter with a 100 ton (Mg) capacity, p. 508.
- Smirnov, L. A., and others. - Investigating the quality and mechanical properties of St. 3ps plate steel p. 511

- Kliuchev, A. P., Ghliskikh, V. F., Shleharin, B. N. - Accelerating the firing of open-hearth furnaces, p. 517
- Vykhina, Zh. A., Kliuchev, A. P. - Investigating efficient refractories for the checkerwork of open-hearth furnaces p. 522.
- Nosov, G. L., and others. - Solidification and cooling of various brand steel ingots in ingot molds, p. 529
- Freidenzon, E. Z., and others. - Mastering the operation of the oxygen-blown converter plant of the Nizhny Tagil metallurgical combine, p. 534
- Golov, G. V., and others. - Conditions for the service of linings of oxygen-blown converters with a capacity of 100-130 tons (Mg) during the conversion of vanadium cast iron, p. 537
- Freidenzon, E. Z., and others. - Developing an efficient shape for slab ingots, p. 539
- Chikmaev, A. P., and others. - Investigating the process of rolling wheels at the Nizhny Tagil metallurgical combine, p. 543
- Gulayev, G. I., Dopyal', A. I. - Selecting the amount of widening during the sizing reduction of pipe, p. 546
- Grebenezhikova, A. Z., and others. - Lubrication for rolling tubes on a continuous mill, p. 549
- Freidenzon, E. Z., and others. - Ways of improving the mechanical properties of sheet and rolled sections of low carbon and low alloy steel, p. 553
- Visloguzov, G. I., and others. - Nonmetallic inclusions in rolls in various methods of deoxidizing steel p. 557.
- Mekhedov, A. I. - Organization of business in departments of metallurgical plants, p. 560
- Butko, D. P., Vasil'ev, D. F. - Organization of analytical work at the Nizhny Tagil metallurgical combine, p. 562
- Nikulin, L. M., and others. - Cleaning the checkerwork, checker flues, and smoke flues from flux dust during the operation of an open-hearth furnace p. 566.
- Burkaev, V. E., and others. - Investigating the irregularities of the heating of sheet ingots in concurrent-type, heating furnaces with a sliding bottom, p. 569.
- Altinov, V. I., Stychinskiy, L. P., Shapovalov, S. I. - Effect of patenting wire rod from the rolling temperature on the mechanical properties of wire p. 570.
- Rigman, S. M. - Results of the Third All-Union Public Inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy, p. 573.
- Aleksandr Konstantinovich Pudikov, an obituary p. 575

\*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others, Moscow, vol. 30, no. 3, Mar. 1965.

- Table of contents translated:
- Gudima, N. V. - Improve the technology and increase the production of sulfuric acid, p. 1.
- Klason, V. I., Matveev, I. I. - Utilization of the gas liberated from a solution in the grinding - classification cycle, p. 5.
- Moshechukov, N. F. - Results of the industrial testing of fluidized bed flotation machine, p. 7.
- Badeev, I. U. S. - Limiting the sliming of heavy minerals in the grinding cycle is an important potential in increasing metal production, p. 8.
- Polinok, M. M., and others. - Seasonal fluctuation of technological indices for dressing complex metal ores, p. 13.
- Alekseeva, R. K. - Reasons of the varying floatability of pyrrhotite modifications, p. 18.
- Kononov, V. L., Bobrik, V. M. - Equipment for the automatic sedimentation analysis of various pulps and suspensions; an automatic sedimentation meter, p. 22.
- Stozhenskiy, A. I., Prazhennik, I. U. G. - Conversion of natural gas for the fire refining of copper, p. 25.
- Kitaev, B. L. - The most effective electrolyte circulation in the electrolysis of copper, p. 38.
- Kriuk, V. I., Nikitin, I. U. P., Shabalina, R. I. - Dissolution kinetics of an iron-base alloy in liquid matte, p. 33.
- Mamykin, P. S., and others. - Testing high-alumina refractories, p. 35.
- Evdokimova, A. K., Migina, A. I. - Removing impurities from zinc sulfate solutions with production of high-quality white vitriol, p. 37.
- Smurnikov, A. P., Iurenko, V. M., Pus'ko, A. G. - Indium and nonferrous metal recovery from zinc cake, p. 42.
- Zhevnovaty, A. I. - Regularities in the filtering of a suspension flow without forming a deposit, p. 47.
- Begunov, A. I., Skobeev, I. K. - Load distribution in contact pins during the baking of aluminum electrolytic cells by overhead current application p. 53.

- Muzhzhavlev, K.D., and others - Improving the technology for the electrolysis of magnesium chloride. p. 60.
- Sukhorukov, I.P., Babenko, E.M., Gavrina, M.V. - Surface phenomena at the boundary between a carbon material and coal tar pitch. p. 65.
- Leksin, V.N., Tokaeva, A.G. - Economics of the production of selenium and tellurium. p. 69.
- Korlagin, N.I., Pavlov, I.G. - Analyzing the conditions of gripping during the rolling of a multilayer flat pack with a stepped front end. p. 70.
- Perlin, I.L., Kirpa, I.G. - Methods of testing forces needed for the tearing apart of welded strip. p. 80.
- Vorob'ev, G.M., Gol'shtein, R.M., Maurits, I.I. - Effect of impurities on the basic mechanical properties of sillumin. p. 83.
- Lalner, A.I., and others - Obtaining copper-zirconium addition alloys from potassium fluoro-zirconate. p. 87.
- Andreev, A.L. - Safety in the vacuum arc melting of titanium. p. 90.
- Polner, L.S., Chernolovskii, B.A. - Economic conference at the Ust'-Kamenogorsk Lead-Zinc Combine. p. 93.
- Molchanov, A.A. - Results of a competition between enterprises of nonferrous metallurgy on "Providing the maximum output of sulfuric acid in existing plants for a better utilization of metallurgical equipment and the equipment of sulfuric acid plants." p. 95.
- Fourth All-Union public inspection of the carrying out of plans developed by scientific research and the introduction of achievements of science and technology to the national economy. p. 96.
- Vol. 38, no. 5, May 1965.
- Table of contents translated.
- Grätsershtein, I.M. - Organization of business accounting at nonferrous metallurgical enterprises. p. 2.
- Maksel'mov, I.I., Khalnman, V.I.A. - Studying the effect of processes taking place in the foam layer on the rate and selectivity of flotation. p. 6.
- Mitrofanov, S.I., and others. - Producing two barium concentrates for the petroleum and chemical industries at the Mirgail'may ore dressing plant. p. 9.
- Iakubovich, I.A., Machinskii, A.V., Potnikov, O.I. - Experiment in grinding ore in a counter current steam-jet mill. p. 12.
- Karmazin, V.I., Egorov, V.L., Bobesh, A.A. - Effect of preheating on the magnetic separation of rare metal containing minerals. p. 14.
- Karnauchov, N.M. - Use of electrolastic separation in the retreatment of gold containing slime and concentrates. p. 15.
- Zhavoronkov, V.I.A., Filippov, E.M. - Problem of classifying rocks and ores differing slightly in normal physical properties. p. 18.
- Getskii, L.S., Iatsuk, V.V., Panteleeva, A.P. - Hydrometallurgical method of producing lead using amines. p. 20.
- Rakoch, G.M., and others. - Directions for the technical improvement of the electrolysis of zinc. p. 22.
- Iaroslavtsov, A.S., Smirnov, V.I. - Experiments in autoclave leaching of zinc cake. p. 26.
- Polyvianyi, I.R., Anan'ov, N.I., Malkin, I.A.Z. - Pilot plant testing of a combined method for processing antimony concentrates and intermediate products. p. 29.
- Korshanskii, I.I., and others. - Pilot plant tests in precipitation reduction smelting of antimony concentrates in electric furnaces. p. 34.
- Dorbat, V.F., Krasnoslov, V.P. - Formation of whiskers on nickel cathode surfaces. p. 41.
- Dogayevskii, O.A. - Reducing nickel dust losses from nickel plant shaft furnaces. p. 44.
- Rodzaevskii, V.V., Smilnova, S.A., Pluegina, N.D. - Fluorine in the production of sulfuric acid from metallurgical gases. p. 44.
- Kraus, I.P., Doreviankin, V.A., Kuznetsov, S.I. - Solubility of sodium aluminosulfate hydrates in caustic soda solutions. p. 46.
- Arakellian, O.I. - Properties of crystalline sodium. p. 52.
- Miurenberg, G.I.A., Zhelezov, V.S., Kravtsov, I.M. - Application of mathematical statistics in assessing operational parameters of aluminum electrolytic cells. p. 53.
- Muzhzhavlev, K.D., and others. - Results of testing individual design elements of magnesium electrolytic cells. p. 57.
- Nazarov, L.V. - Cleaning graphite electrodes by centrifugal devices. p. 61.
- Slovinskii-Sidak, N.P., Potapov, V.I., Averb, F.I. - Precipitating pure and chemically pure vanadium pentoxide from alkaline solutions. p. 67.
- I.A. Strigin's 60th birthday. p. 72.
- Gl'dengorn, M.S. - Cold extrusion of bimetal pipe. p. 73.
- Tifunuk, G.N., Shapiro, V.I.A. - Mechanical properties of aluminum alloy pipe in relation to the degree of deformation during drawing. p. 76.
- Anin, V.E. - Effect of the shape of bimetal test pieces during upsetting on their state of stress. p. 79.
- Kupotkin, I.A.M., Gokhstein, M.B. - Effect of niobium, beryllium, and cerium on the mechanical properties and electric conductivity of aluminum. p. 82.
- Maraev, S.E., Mudrova, E.I., Elina, N.I. - Vacuum remelting of electrolytically refined aluminum. p. 86.
- Plushkin, M.Z., Chalov, I.V. - Industrial use of laminar heat exchangers in alumina production. p. 87.
- Skornikov, I.U.T. - Fourth plenum of the central administration of the Scientific Technological Society for Nonferrous Metallurgy. p. 90.
- UCOL [COAL]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 40, no. 5(470), May 1965.
- Table of contents translated:
- International solidarity of workers is the indomitable force in the fight for peace, democracy, and socialism. p. 1.
- Kratonko, I.M. - Most important trends in technical progress in the coal industry. p. 5.
- Topchiev, A.V., Khazin, V.N. - Main objectives in the area of creating equipment for the overall mechanization and automation of stoping operations. p. 12.
- Dokukin, A.V. - Principles of creating automatic mining complexes for flat seams. p. 18.
- Creation of powered supports and complexes:
- Klorik'tan, S.Kh. - In the State Experimental Institute of Design and Construction for the Coal Machinery Industry. p. 25.
- Bobkov, V.I. - In the Moscow Basin State Experimental Institute of Design and Construction for the Mining Machinery Industry. p. 30.
- Brenner, V.A. - In the State Experimental Institute of Design and Construction for the Mining Machinery Industry. p. 32.
- Prolovkin, E.T. - In the Donetsk Scientific Research Coal Institute. p. 33.
- Ziglin, L.A., Kurakin, A.I. - Selecting the type of powered support for longwalls in the Moscow Basin. p. 37.
- Work practices with powered support, complexes, and units:
- Bamul, M.I. - In the Donetsk Council of National Economy. p. 40.
- Krylov, V.F. - In the Kuznetsk Basin. p. 44.
- Matolin, P.K. - In the Karaganda Basin. p. 48.
- Timofeev, I.U.V. - Work practices with the M-81 support at the "Baldaevskoe ukladno" mine (Kuznetsk Basin). p. 50.
- Angolekov, V.P., Molostov, B.S., Gel'tser, L.A. - Experience in using the OMKT complex in a seam with a pitch angle of 15-17°. p. 52.
- Gorbachev, D.T., Agafonov, I.G. - Using the OMKT and OMKU mechanized complexes in various conditions of mining geology. p. 55.
- Kuzukov, F.F., Malantsev, V.I., Gorlov, V.T. - Work practices with the OMKT complex in the Chelyabinsk Basin. p. 58.
- Kablashov, A.V., Kosachenko, A.A. - Experience in using the KTU support at the "Tom-Usa 1-2" mine. p. 59.
- Bessonov, E.P. - Experience in operating mechanized stoping complexes at the "Abastevskaya 3-4" mine. p. 62.
- Babii, E.A. - Experience in operating the Shek-58k mechanized stoping complex. p. 63.
- Ostapenko, V.N., Mar'ianenko, M.A. - Operation of the KM-87 complex. p. 64.
- Kurnosov, A.M., Zykov, V.M., Likhalt'er, L.A. - Systems of mining coal seams by longwalls equipped with complexes of machines with powered supports. p. 65.
- Kashibadze, V.V., Zamtaradze, V.Sh., Chikobava, G.Sh. - Investigating aerodynamic resistance of longwalls equipped with OMKT complexes and "Moshbasa" supports. p. 69.
- Balykov, V.M., Prudkin, I.A.M. - Economic efficiency of using complexes of equipment with hydraulic jacks. p. 71.
- Zykov, V.M., Mikhailov, V.M. - Experience abroad of using complexes of equipment for mechanizing stoping operations. p. 75.
- New records. p. 76.
- Georgii Akimovich Sosnov; on the 70th anniversary of his birth. p. 80.
- Grigor'ev, V.L., Gendel', K.K. - Information report on the conference of the Central Scientific Technological Council for deep mines. p. 81.
- Pochenkov, A.K. - Research done by the Committee on coal of the United Nations Economic Commission for Europe. p. 82.
- Fourth All-Union Public Inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy. p. 83.
- VOPROSY GORNOGO DAVLENIA [PROBLEMS IN ROCK PRESSURE]. Issued by Nauchnyi sovet po probleme gornogo davlenia Instituta gornogo dela Sibirskogo otdelenia Akademii nauk SSSR [Scientific Council on the Problem of Rock Pressure of the Institute of Mining of the Siberian Department of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 22, 1964.
- Table of contents translated
- Shadrin, A.G. - Regularities of roof displacement in steep seam longwalls. p. 3.
- Smirnov, V.N., Dobet, E.A., Fedorov, N.A. - Some results of investigating manifestations of rock pressure during cutter-loader mining operations. p. 10.
- Vegkov, M.I. - Stability of "manless" mined coal workings in flat contiguous seams. p. 18.
- Gubin, V.V. - Controlling rock pressure during the mining of steep seams without the presence of men in stopes. p. 29.
- Dolgikh, M.A., Lytkin, V.A. - Using the results of actual measurements of pressure on supports for making strength calculations. p. 33.
- Tsal, T.N., Erolov, L.M. - Once again on the possibility of reducing the size of mine shaft supports in the Kuznetsk Basin. p. 49.
- Sen'ko, L.S., Tomashovskii, L.P. - Method of approximately estimating the strength of flexible shield elements. p. 52.
- Rusakov, N.G. - A "pressure wave" and its role in the process of sudden ejections of coal and gas. p. 57.
- Naryshkin, G.A., Nikol'sin, V.I. - Determination of the tensile strength of rock by the method of splitting the core sample. p. 65.
- Noritskov, I.U.P. - Stand for investigating the fracture of rock under high pressure. p. 68.
- VSESIOUZNYI NEFTEGAZOVYI NAUCHNO-ISSEDOVATELSKIY INSTITUT. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Transactions]. Moscow, no. 43, 1965. Oil field geology.
- Table of contents translated.
- Melik-Pashayev, V.S., and others. - Oil yield of pools developed for a long period of time on the basis of geological field data. p. 3.
- Stepanov, A.I., Klimushin, I.N. - Some problems in the study of the geological nonuniformity of producing horizons and its effect on the completeness of the development of the pools. p. 107.
- Slasenkov, V.V., Shustaf, L.N., Muradimov, Z.I. - Regularities in the distribution of certain reservoir parameters. p. 119.
- Klimushin, I.M., Stepanov, A.I. - Some regularities in the variation of the basic parameters of reservoir rocks according to area based on a study of horizon D<sub>1</sub> in the Shkapovo oil field. p. 131.
- Karasev, I.P., and others. - Some problems in the field prospecting of fractured carbonate reservoir rocks in the Markovo oil field. p. 144.
- Shekhter, R.I., Chuporov, A.P. - Towards a methodology of field prospecting for the oil fields of the Lower-Kama region of the Tatar A.S.S.R. p. 157.
- Zudakina, E.A., Ivanchuk, L.F., Baramzina, V.A. - Studying the character of the oil and gas saturation of reservoirs close to the oil-water surface based on a study of the Devonian pools of the Tuzmazo, Bavi, and Shkapovo oil fields. p. 177.
- Rumiantseva, N.N. - Experimental investigations of flow potentials. p. 193.
- Sesina, E.S. - Geology and oil and potentials of a carboniferous horizon in the Korobkovskoye oil field. p. 203.
- Buchin, A.N. - Method for the economic evaluation of an increase in the oil yields of beds resulting from the compaction of oil wells. p. 221.
- Postnikova, I.E., Efremova, L.N. - Characteristics of the structure of the Pashiya sediments in the Upper Zaitovka and Serafimovskaya areas in western Bashkiria. p. 238.
- Postnikova, I.E. - Lithologic and stratigraphic structure of the producing Devonian in the Bakalin-skaya area. p. 252.
- Iurchak, V.P. - Lithologic characteristics and reservoir-rock properties of the carbonate rocks of the Tournaisian Stage in the Arlan oil field. p. 260.
- Petrovskaya, A.N., Volodchenkova, A.I. - Using the electrokinetic potential of suspensions of clay materials to correlate Terrigenous sections according to argillaceous members. p. 270.
- Volodkovskaya, E.P., Vazerskaya, N.A. - Characteristics of the producing sediments of the Devonian of the Tatar A.S.S.R. and Bashkiria according to the magnitudes of the ratios V and Cu in clay materials, determined by spectral analysis. p. 278.
- Petrovskaya, A.N., Volodchenkova, A.I. - Using certain geochemical factors in detailed correlation of Terrigenous sections. p. 310.

- Ostrovskii, M. I., Pykhova, N. G. - Recent information concerning the Terrigenous Division of the central and southern regions of the Udmurt A.S.S.R. in connection with trends in petroleum prospecting. p. 320.
- Pykhova, N. G. - Possibility of using the method of palynological analysis of the detailed correlation of the Pashaya series of the southeast of the Tatar A.S.S.R. with similar sediments in western Bishkaria. p. 332.

#### ZASHCHITA METALLOV [PROTECTION OF METALS].

Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research of the U.S.S.R.] and others. Moscow, vol. 1, no. 2, Mar.-Apr. 1965.

Table of contents translated.

- Shvarts, G. L., Kistal', M. M. - Metals and alloys for the chemical industry. p. 137.
- Krasil'shchikov, A. I. - Mechanism of metal passivity. p. 150.
- Florinovich, G. M. - Effect of temperature on the susceptibility of alloys toward a transfer to the passive state. p. 156.
- Bine, N. I. A. - Electrochemical and corrosion behavior of nickel in sulfuric and perchloric acid solutions. p. 168.
- Sokolova, L. A., Tsimanov, A. I., Kuzub, V. S. - Effect of fluoride ions on the electrochemical and corrosion behavior of stainless steels. p. 173.
- Miroslubov, E. N., Razygraev, V. P. - Characteristics of the corrosion of stainless steel and chromium in boiling concentrated nitric acid. p. 178.
- Kramarenko, D. M., Lanitsva, E. N., Rozenfeld, I. L. - Electrolytic hydrogen absorption by steel. Part I. Hydrogen absorption and changes of mechanical properties during cathodic polarization. p. 184.
- Marshakov, I. K., Ugai, I. A., Vigdorovich, V. I. - Mechanism of the corrosion of magnesium-zinc alloys. p. 193.
- Gindin, L. G., Miskhnova, T. A. - Lead corrosion in dielectric materials. p. 195.
- Golubev, A. I., Ruzhin, M. N. - Electrochemical and corrosion behavior of aluminum-base intermetallic compounds. p. 199.
- Timonova, M. A., Stollarova, L. N. - Developing and testing a chemical method of preparing heat resistant inorganic films on magnesium alloys. p. 207.
- Glazkov, V. I. - Electric method of uncovering "through" damage in insulation coatings of operational pipelines. p. 214.
- Novakovskii, V. M. - Laboratory modeling of the internal corrosion of pipelines. p. 224.
- Baraboshkina, N. K., Vagranian, A. T., Titova, V. I. - Feasibility of determining by photometry the adhesion of an electrolytic deposit to the base. p. 230.
- Shatalov, A. I. A., Tsygankova, L. E., Ugni, I. A. A. - Anodic oxidation and the corrosion resistance of indium-antimony alloys. p. 233.
- Liksha, A. B., Suleimanova, F. G. - Effect of temperature on the corrosiveness of lubrication oils containing additives. p. 235.
- Atarasiants, A. G., and others. - Metal plating of welded objects of titanium and its alloys. p. 238.
- Rozik, L. L., Efimovich, E. V., Bolotich, I. P. - Atmospheric corrosion of aluminum vacuum condensates. p. 239.
- Sharnin, A. A., Telepneva, A. E., Lapshina, E. F. - Effect of the composition of sulfate-hyposulfite solutions on the corrosion of carbon steel as applicable to evaporators in the production of chromium oxide. p. 241.
- Briantseva, R. V., Pimenova, S. I. - Protective linings of ebontite vulcanized without pressure. p. 244.
- Trifel', M. S., and others. - Cathodic protection of heat exchangers cooled by sea water. p. 245.
- Kamioniskii, L. M. - At the All-Union Scientific and Technical Conference on the protection of chemical apparatus against corrosion. p. 249.
- Glazkov, V. I., Kotik, V. G. - Display at the Exhibition of the Achievements of the National Economy of new equipment for the protection of pipelines against electrolytic corrosion. p. 254.

### 17. MILITARY & NAVAL SCIENCES

#### a. MILITARY SCIENCE

- KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 46, no. 8, Apr. 1965.
- Table of contents translated.
- Editorial: Immortal exploit of the people. p. 3.
- Efimov, P. - The party leads us along the Leninist path of victories. p. 9.
- Burlik, A. - Indestructible force of the unity of the people and the army. p. 19.

- Kulakov, N. - Heroes of Sevastopol. p. 27.
- Kaliadin, I. - The first frontline meeting. p. 34.
- Azov, D. - Example of a political worker. p. 39.
- Tolubko, V. - The main battery is always on the alert. p. 45.
- Petukhov, N. - Air shield of the motherland. p. 48.
- Kozhedub, I. - Aligning with courage. p. 51.
- Shchedrin, G. - Combat deeds of soldiers of the fleet. p. 55.
- Teren'ev, B. - Artillerists take an examination. p. 59.
- Posvitskii, K. - Armor is strong and our tanks are fast. p. 61.
- Combat glory lives and multiplies:
- Aunapu, E. - Standard-bearers. p. 62.
- Ustulov, V. - To the sons about the feats of their fathers. p. 64.
- Vrachev, I. - Glory to the liberators. p. 65.
- Lakatos, I. - Inviolable friendship. p. 67.
- Amm, G. - On guard of peace. p. 68.
- Urbanowicz, J. - Comrades in arms. p. 70.
- Bertianu, C. - In a fighting family. p. 72.
- Rylov, O. - Together forever. p. 74.
- Marxism-Leninism on the international unity and solidarity of the communist parties. p. 76.
- Leon'ev, A. I. - They learned nothing. p. 83.
- Vasilenko, V., and others. - A great military and labor victory. p. 88.

Vol. 46, no. 10, May 1965.

Table of contents translated:

- Editorial: Fighter of the party. p. 3.
- Popov, M. - Correlation of the objective and subjective in armed fighting. p. 9.
- Komarovsky, A. N. - To new successes in the work of military builders. p. 10.
- Podolskii, A. - Programmed instruction, a creative matter. p. 25.
- Belous, N. - Exactness and sensitiveness. p. 31.
- Konoplov, S. - When the fate of a man is decided. p. 37.
- Boiko, V., Tarala, I. - A group of lecturers at a unit party committee. p. 42.
- Medvedev, P. - Always in the ranks. p. 45.
- Fedoseev, I. - A commander's exacting attitude. p. 46.
- Wide wings for advanced experience. p. 49.
- In the interests of high combat readiness:
- Doroshin, M. - Use means reasonably. p. 52.
- Kuchin, D. - Operationalness and effectiveness. p. 53.
- Babkin, G. - At a repair plant. p. 54.
- Iudin, S. - When the accounting is up-to-date. p. 55.
- Maniaev, A. - What working collectively means. p. 57.
- Cherepanov, N. - Leninist course of foreign policy of the CPSU. p. 63.
- Lukashin, E. - Substantiality and methodology of political studies. p. 69.
- Mikhailov, B. - The world police force plays with fire. p. 75.
- Shaulman, S. - Outstanding worker of our party and state. p. 79.
- Order of allotment and payment of pensions to collective farmers. p. 82.
- Alekseev, Mikhail. - Heights which cannot be surrendered. p. 85.
- Kozlov, I. - Always with the people. p. 89.
- For you, propagandists. p. 93.

Vol. 46, no. 11, June 1965.

Table of contents translated:

- Editorial: Carry out the demands of military regulations exactly. p. 3.
- Bochkarev, K. - Character and types of wars of the present epoch. p. 8.
- Iurcenko, D. - The political worker on a cruise and at a training exercise. p. 18.
- Sinitsa, A., Konopliank, V. - Greater attention to correspondence students of academies and higher schools. p. 24.
- Koval', A. - Communists are educating. p. 29.
- Golikov, S. - Military problems in a course in the fundamentals of scientific communism. p. 36.
- Glazov, V. - Principles of the development and change of methods of armed fighting. p. 43.
- Ganichev, I. - Year of great construction. p. 51.
- Padorin, I. A. - Secretaries of party organizations are needed in concrete aid. p. 55.
- Kovalev, I. - Support on sergeants. p. 58.
- Elin, V. - In order to consult with Ulich more often. p. 62.
- Churilov, V., Alekseevskii, K. - From the experience of political training of officers. p. 65.
- Azarevich, N. - Combat friendship gets stronger. p. 70.
- Strengthening of discipline, a vital matter of all soldiers. p. 72.
- Mitroshekov, V. - Being with young people at all times and places. p. 76.
- Lodygin, G. - What a study-room style leads to. p. 82.
- Legendary division commander. p. 84.

Giving greater privileges to invalids of the Patriotic War. p. 88.

Some problems of admittance into the CPSU. p. 93.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 12, no. 7 (1027), Apr. 1965.

Table of contents translated.

- Combat program. p. 1.
- Mukhin, Valeri. - Lenin entrusted me to take care of this. p. 2.
- Ludnikov, I. - On the Deyma River. p. 1.
- Shelolokov, An. - Private of a Garibaldi Brigade. p. 4.
- TSarev, F. - Where the border goes through. p. 26.
- Avdeeva, E. - A difficult role. p. 26.
- Attacks are thundering on the Black Sea. p. 30.
- Krol, T. - Meeting with "Comrade Arsenii." p. 32.
- Gavrilin, V. - Enthusiast of cross-country automobile driving. p. 43.
- Kolesov, A. - Freedom, hangmen. p. 11.
- Dozhanski, K. - Resurrection from the dust. p. 49.

Vol. 47, no. 11 (1031) June 1965.

Table of contents translated.

- Posts by the Black Sea. p. 1.
- Dmitriev, L., Ryzhnik, M. - Friends. p. 2.
- Kornakov, E. - The Black Sea peakless cap. p. 6.
- Shchedyl, Marko. - The regiment marches. p. 9.
- Olddnech, V. - A worthy generation. p. 13.
- Rudnyi, Vladimir. - Touches of the tough years. p. 18.
- Plimenov, M. - Right-flank men. p. 22.
- Chronicler of the people. p. 20.
- Pustovarov, A., Ryzhnik, M. - Dear minutes. p. 30.
- Rossinskii, S. - Four in a boat. p. 33.
- Novskii, V. - People of the blue roads. p. 33.
- Mus'akov, P. - The oldest naval library. p. 43.
- Vladimirov, V., Adzhimuradov, A., Bekin, V. - Youth is standing. p. 44.

STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no. 6 (58)-7(59), June-July 1965.

VESTNIK Pervopokhodnika [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, no. 45, June 1965.

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 46, no. 7, July 1965.

#### b. NAVAL SCIENCE

GORKII, INSTITUT INZHENEROV VODNOGO TRANSPORTA. Trudy [INSTITUTE OF WATER TRANSPORTATION ENGINEERS, Transactions]. No. 49, 1963. Organization and mechanization of transport operations in river ports.

Table of contents translated:

- Kazakov, A. P. - Substantiation of the economic expediency of establishing cement storage centers in large transport terminals. p. 3.
- Gnoliand, A. A. - Substantiation of the number of loading and unloading machines servicing the ware houses on the wharves of a port. p. 18.
- Shumakov, E. B. - Belt conveyor with automatic control. p. 27.

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 23, no. 4, Apr. 1965.

Table of contents translated:

- For a Leninist working style. p. 1.
- Naumov, A. - In the struggle for profitability. p. 3.
- Pavlov, S. - During difficult passages. p. 4.
- Khasin, A. - An honorable member of the crew. p. 6.
- Temchev, A. - Named after the great Lenin. p. 7.
- Pilipenko, V., Buryi, A. - Line method of directing the work of the fleet. p. 8.
- Ivanov, V., Aleksandrova, Z., Tomberg, S. - Uniform standards for servicing ships at sea fishery ports and stations. p. 10.
- Smutechuk, A. - The need for a new methodology for determining the indices of planned operation of ports. p. 12.
- Problems requiring immediate solutions. p. 14.
- Kats, A., Shmilovich, E. - Modernization of the 4000M automatic loader. p. 15.
- Apanin, I. - Method for improving the performance reliability and accuracy of the symphasing system of the "Don" and "Donets" radar stations. p. 17.

- Klad'ko, N. - The aids to navigation should meet modern requirements p. 18.
- Chudov, V. - Determining the necessary length of the anchor chain depending on the depth of anchorage. p. 19.
- Iakovets, D. - Getting afloat and towing the grounded diesel-electric ship "Yonisey." p. 21.
- Chirkin, B. - Causes of the breakdown of the generator on the "Archangel" class ships p. 23.
- Gavrilov, V. - Performance of a marine diesel engine with a variable-regime fuel-flow regulator. p. 25.
- Akimov, P. - Calculation of the heat balance of the engine while in operation. p. 27.
- Kernerman, V. - Ways for overall mechanization and automation of ship repair. p. 28.
- Val'ier, A. - What the seamen ask of the shipbuilders. p. 29.
- Bashkurov, G. - Storm-caused sedimentation of gale and their deepening. p. 31.
- Milusov, V. - Increasing the coefficient of the efficient capacity of a suction dredge bucket. p. 33.
- Savel'ev, V. - Determining the passive pressure of soil on the sheetpiling of slopes. p. 34.
- Lelunov, V., Gordeev, A. - Marine transportation at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1985. p. 36.
- Matusev, A. - Medical service for seamen at sea. p. 39.
- Orshin, I.U. - Lomonosov and navigation. p. 41.
- Fel'dbaum, B. - World tonnage of chartered dry cargo ships in 1984. p. 43.
- Lebedev, S. - Aggravation of controversies in the merchant marine of imperialistic countries. p. 44.
- Shuvalov, V. - Attention and care should come first p. 45.
- Mizgrov, V. - A new topic in the academic literature. p. 46.

# MORSKOI SBORNIK, zhurnal Voenno-Morskogo Flota Soluzh SSR [NAVAL REVIEW; Magazine of the Soviet Navy]. Vol. 47, no. 5(117), May 1984.

- Table of contents translated.
- Day of International Solidarity. p. 3.
- Medvedev, P.N. - Party principle at work. p. 7.
- Bystrov, E.F. - Patriotic training of sailors in combat and revolutionary traditions. p. 14.
- Tornovskii, G.V. - The feats of heroes are immortal, on the 20th anniversary of the liberation of Sovetskopol. p. 19.
- Ivanashchenko, L.A. - International laws on the open sea. p. 23.
- Semenov, N.I. - Using aviation in coast antiamphibious defense. p. 20.
- Kuz'min, I.K. - Reconnaissance in combat operations on the destruction of the enemy's naval forces. p. 26.
- Lozinskii, N.N., Rozenberg, V.I.A. - Methods of solving algorithms and the ALGOL-60 language. p. 43.
- Sorokin, A.A. - Experience in working out logical schemes and some results of programmed control of instruction. p. 53.
- Baryshev, V.B. - A thorough knowledge of the regulations for the prevention of ship collisions at sea for every officer. p. 58.
- Basnin, R.V., Stavitskii, V.T. - Know well the theory of a ship and its seaworthiness. p. 60.
- Dzhavakhishvili, A.D. - Some remarks on the instruction of young officers. p. 62.
- Bursovich, A.P., Kostikov, V.V. - From the practice of carrying-out radio deviation work on submarines. p. 63.
- Zhubrzhitskii, D.I. - Characteristics of using course instruments in flying from an arbitrary meridian. p. 66.
- Aref'ev, A.A. - Using electronic digital computers in solving problems on the unsinkability of a ship. p. 68.
- Rogov, V.P. - Under the black flag; on the creation of the multinational nuclear forces of NATO. p. 70.
- Zaleskii, P.I.A., Kononov, V.A. - The antisubmarine rocket "Subroc." p. 85.
- Vorob'ev, L.M. - A new aviation astronomy yearbook. p. 89.
- Chirkov, A.A. - English-Russian dictionary on submarines and antisubmarine defense. p. 92.
- The readers discuss the work of the periodical. p. 93.

Vol. 48(118), no. 4, Apr. 1985.

- Table of contents translated:
- Glorious to the conquerors of space. p. 3.
- Following Lenin's principles. p. 5.
- Mal'kov, P.D. - About Vladimir Il'ich Lenin. p. 9.
- Platonov, V.I. - Standing on guard in the Arctic. p. 15.
- Antonov, G.G. - Heirs of military glory. p. 25.
- Kotysh, N.T. - The pride of the fleet. p. 29.
- Azarov, I.I. - They have fulfilled their duty. p. 34.
- Grishchenko, P.D. - In the true spirit of the Guard. p. 37.
- Brukhanov, I.U.A. - Cooperation of the Air Force with submarines. p. 41.

- Frants, K.K. - The past and the future of aircraft carriers. p. 46.
- Iovlov, V.I. - Vulgar simplifications should not be tolerated in carrying out missions. p. 55.
- Sorokin, A.A. - Studying the results of programmed control of instruction. p. 58.
- Dmitriev, M.V. - Improve the operational and tactical training of the flying personnel. p. 60.
- Mironov, V.V. - Settle the problem concerning the navigation lights of submarines. p. 65.
- Dessanov, N.M. - The waters of the continental shelf of West Africa. p. 68.
- Plus, G.S., Pleshkov, V.Z. - The spare parts, tools and accessories of the ship. p. 76.
- Stepanov, V.M. - Characteristics of the use of storage batteries. p. 80.
- Golubev, M.I. - Automating the search for defects in electronic equipment. p. 85.
- Bellay, V.V. - Some aspects of the development of service ships abroad. p. 87.
- Petrov, P.I. - At sea, in the air and on land. p. 92.
- Fillimonov, A.S., Patrikeev, M.V. - Antiaircraft defense at sea. p. 95.

Vol. 48, no. 5(118) May 1985.

- Table of contents translated.
- A great victory. p. 3.
- Vladimirov, L.A. - Together with the army. p. 14.
- Tork, N.A. - The baton of heroes in safe hands. p. 23.
- Shuglin, A.M. - Attacks from the air. p. 27.
- Shchedrin, G.I. - Friends and comrades. p. 36.
- Kislitsyn, I.U.A. - Exploit the crew of the TKA-13. p. 42.
- Azarov, Vsevolod. - Two Baltic landings. p. 45.
- Nikol'skii, N.I. - Automation of the control of naval forces under modern conditions. p. 54.
- Maksimov, P.V. - It is necessary to cultivate the commander's independence and initiative. p. 61.
- Stolarenko, A.M. - Some problems in programmed instruction. p. 66.
- Basnin, R.V., Ioska, V.A. - Training of students of naval schools. p. 72.
- Pandlov, A.N., and others. - Characteristics of helicopter flights from ships. p. 77.
- Mikhail'skii, V.A. - Radio deviation work on submarines. p. 82.
- Nedalkov, K.V. - Increasing the serviceability of electrical equipment. p. 84.
- Mishuk, V.K. - Turbocompressor refrigerating machines. p. 88.
- Vinogradov, N.I. - The majestic results of the heroic struggle of the Soviet people. p. 90.

Vol. 48 (118), no. 6, June 1985.

- Table of contents translated:
- Glorious to the Red Banner fleets! p. 3.
- Gorshkov, S.G. - Honorary awards of the motherland obligate. p. 6.
- Grishanov, V.M. - Decisive work team. p. 8.
- Vologosov, B.M. - Greater attention to the living conditions of sailors. p. 18.
- Tarkhanov, I.E. - International law system of navigation safety. p. 24.
- Krinit'syn, F.S. - Revolutionary feat of Russian sailors; on the 60th anniversary of the revolt on the battleship "Potemkin." p. 31.
- Gulakov, S.A. - Role of aviation in combat operations at sea under modern conditions. p. 36.
- Reznik, I.E., and others. - It is very important to improve the tactical training of flight personnel. p. 44.
- Komarovskii, A.K., Kugustin, I.I. - The keeping of a flight attitude by an airplane unit. p. 53.
- Sel'annin, M.V. - Training crews of ships affecting a passage from theater to theater. p. 58.
- Zhukov, N.F. - Distribution of training time for an exercise on specialty. p. 59.
- Shroin, P.A., Dubravin, K.O. - Stay time of a target in a region of search. p. 62.
- Kamunikov, I.U.F. - The badge "For a Long-Distance Cruise." p. 67.
- On ships, in units, and fleet commands; from reports by our volunteer correspondents. p. 68.
- Stepanov, I.U.G. - Radio electronics and shipbuilding. p. 71.
- Dates of changing the circulation oil in marine diesels. p. 76.
- Perereverzev, I.I.A. - Modern shipboard antisubmarine weapons. p. 78.
- Korabiev, A.E. - A book deserving attention. p. 87.
- Apreev, V.P., Gruzdev, N.M. - A useful manual on navigation. p. 89.
- Dumay, I.V., Ignat'ev, N.N. - Water-emptying equipment. p. 92.
- Course of study of the ALGOL language; exercise no. 10. p. 93.
- Basov, A.V. - International conference of historians. p. 96.

# RECHNOI TRANSPORT [INLAND WATER TRANSPORTATION] Issued by Ministerstvo rechnogo flota [Ministry of the River Fleet]. Moscow, vol. 23, no. 12, Dec 1984.

- Table of contents translated
- Prepare the ports for new working methods. p. 1.
- Daydov, S. - Make maximum use of river transportation in the shipping of chemical cargoes. p. 4.
- Prostov, A. - Current problems in the winning and transportation of mineral building materials. p. 5.
- Kaplan, A. - Possibilities of reducing the shipping costs of cement. p. 7.
- Khalov, A., Matsvelko, A., Rybalskaya, M. - Our goal is profitability! p. 9.
- Komissarov, N., Migunov, E. - Effectiveness of improving the maneuverability of pusher tug trains by the forced bend. p. 10.
- Koriatin, G. - The shipping reach should yield profit. p. 12.
- Pelipenko, V., Bulavin, V. - Servicing crewless towed craft. p. 14.
- Draitson, M. - Numberless recording of cars in the port of Ulyanovsk. p. 15.
- Mal'tsev, V. - Improve the dependability and extend the longevity of crane mechanisms. p. 17.
- Zakharov, S. - Use more extensively synthetic materials in the building and repairing of ships. p. 20.
- Gershtein, I.U. - Use of epoxy compounds in ship repair. p. 21.
- Khaltovich, M., Goppe, I.U. - Noise and vibration abatement in the double-hull motorship "Odykh." p. 24.
- Rzhevskii, M. - Soundproof casing of the diesel generator of an 1800-deadweight-ton motorship. p. 25.
- Pautov, V. - Installing the crankshaft of the 10D diesel in the bearings of the machinery bedplate without scraping the bushings. p. 26.
- Seliverstov, V., Minkin, V. - Transferring marine refrigerating machinery from freon-12 to other brands of refrigerants. p. 27.
- Tsololo, A., Zubakin, I.U. - Automating the steam curing of the prefabricated members of reinforced concrete ships. p. 29.
- Biserov, V. - Development of channel regulation and maintenance in the Pechora basin. p. 30.
- Shchevlev, V., Zhivilova, L. - Construction of the head of a navigation lock by the use of a giant caisson. p. 31.
- Morozov, A. - Basis for establishing the boundaries of bridge-served navigable river sections. p. 33.
- Kirichenko, V. - Pay more attention to mastering of the operation of new suction dredges. p. 34.
- Golovashkin, M., Trushchenko, L., Zagorodskii, L. - Practices in the removal of underwater locks. p. 35.
- Polovinkin, A. - Use of free-lying unloading platforms for anchorage. p. 37.
- Orlov, G. - Bucket unit with forced dumping of soil. p. 38.
- Lapitskii, P. - Modernizing the method for fast lowering of the boom of the RM3 crane. p. 40.
- Kisil'gov, I. - Protecting the feeding cable of gantry cranes from breaking. p. 41.
- Bellavskaya, M., Vyshkarskaya, L. - Analyzing the financial results of the Repair and Operating Center. p. 41.
- Nesteruk, F. - Pioneers of hydrological forecasting on rivers. p. 44.
- Galtimov, N. - Technology of servicing ships in the river port of Leningrad. p. 45.
- Khalenski, M. - Construction and operation of floating cranes abroad. p. 46.

# REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1985. Predmetnyi ukazatel' za 1984 g. [Subject Index for 1984. This journal is also issued in parts]

# SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet po sudostroyeniю SSSR and Nauchno-tekhnicheskoe obshchestvo sudostroyitel'noi promyshlennosti [State Committee for Shipbuilding in the U.S.S.R. and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 30, no. 12(266), Dec. 1984.

- Table of contents translated:
- Amel'yanov, K.K., and others. - Characteristics of calculating the strength of ship structures made of prestressed reinforced concrete and mesh-reinforced concrete. p. 1.
- Kuznetsov, V.E. - Strength of the bodies of reinforced concrete floating docks in ocean towing. p. 6.
- Sintov, G.M. - Strength of reinforced concrete ships subjected to variable loads. p. 7.
- Loskutov, V.V., Kusalainen, N.N., Kamchuzov, V.A. - Determining the thermal characteristics of the living quarters of ships. p. 11.

- Pashin, N. I. - Characteristics of calculating the heat balance of high-pressure boilers. p. 13
- Markov, I. U. S. - Performance of a two-row velocity stage during operation on wet steam. p. 17
- Kurzen, A. G., Lysenberg, V. D. - Selecting the parameters of a supersonic single-row turbine stage with a low inlet rate. p. 19
- Bekas, A. L., Zhadubin, N. E. - Protection of engines powering a variable-pitch propeller from torque-induced overload. p. 21
- Furukawa, I. H. - Mathematical model study of a gas turbine engine using a real fuel system. p. 24
- Vukobratovic, V. L. - Free-piston gas generator with an adjustable outlet and inlet for gas turbine plants. p. 28
- Burakov, K. L., and others. - Glass-reinforced cement hulls. p. 29
- Baturov, V. G., Fedin, E. L. - Service life of shipbuilding concrete exposed to pickling solutions and fires. p. 34
- Amel'yanovich, K. K., Verbitskii, V. D. - Mesh-reinforced concrete as shipbuilding material. p. 38
- Sokolov, B. P., Trunin, N. P. - Use of plastic concrete in sealing the joints between the sections of hull structures. p. 41
- Sokolov, B. P., Trunin, N. P., Petrov, B. A. - Glass-reinforced plastic as a reliable means of increasing the strength of reinforced concrete structures. p. 42
- Kataev, A. N. - Technological characteristics and practices in the building of hulls and superstructures of reinforced concrete ships from keramzit concrete and lithoidal pumice. p. 44
- Mironov, V. I., Bogolavenskii, L. P. - Construction and testing of the body of a mesh-reinforced concrete channel clearing crane with a 10-ton lifting capacity. p. 46
- Serdjuk, P. S. - Survey of efficiency promoting suggestions made by shipbuilding workers. p. 50
- Grachev, A. P., Semeniuk, V. P. - Dredging of locks and floating docks. p. 52
- Grachev, A. P., Semeniuk, V. P. - Applications for docking vessels, positioning them and letting them out of the dock. p. 56
- Floating petroleum refinery built on a ponton and reinforced concrete pontoon. p. 59
- Belavin, N. I. - Freighter with an atomic power plant built in the Federal Republic of Germany. p. 60
- Ships built in England. p. 62
- Ships built in America. p. 66
- Barash, A. P. - On the book "Biological protection measures for marine reactors." p. 68
- Krylova, A. N., Spio, V. E. - Conference on the structural strength and safety of a ship's hull. p. 70
- Bystevskii, L. M. - Improving the methods and reducing the duration of sea trials of ships. p. 71
- Improving the methods for the design and fabrication of marine piping. p. 71

## PART C

## List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

<b>Agitator</b> (8)	Agitator [Agitator]	<b>Der prom</b> (16f)	Derevoobrabatyvalushchaya promyshlennost' [Woodworking Industry]
<b>Alg. i log.</b> (13e)	Akademii nauk SSSR, Sibirskoe otdeleniye, Seminar algebrы i logiki, Algebra i logika [Academy of Sciences of the U. S. S. R., Siberian Department, Seminar of Algebra and Logic, Algebra and Logic]	<b>Dokl. AN Arm SSR</b> (13a)	Akademii nauk Armianskoi SSR, Erivan Doklady [Academy of Sciences of the Armenian S. S. R., Reports]
<b>Anal. kontr. proizv. v azot. prom.</b> (16c)	Analiticheskiy kontrol' proizvodstva v azotnoi promyshlennosti [Analytical Production Control in the Nitrogen Industry]	<b>Dokl. AN BSSR</b> (13a)	Akademii nauk BSSR, Minsk, Doklady [Academy of Sciences of the White Russian S. S. R., Reports]
<b>Antibiotiki</b> (14f)	Antibiotiki [Antibiotics]	<b>Doshk. vosp.</b> (8a)	Doshkol'noe vospitanie [Preschool Education]
<b>Arkh. anat. i gist. i embr.</b> (13c)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]	<b>Ekon. i mat. metod.</b> (5b)	Ekonomika i matematicheskie metody [Economics and Mathematical Methods]
<b>Arkh. it. SSSR</b> (10b)	Arkhitektura SSSR [Architecture of the U. S. S. R.]	<b>Ekon. Rad. Ukr.</b> (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
<b>Av. i kosm.</b> (16b)	Aviatsiya i kosmonavtika [Aviation and Astronautics]	<b>Ekon. stroit.</b> (5b)	Ekonomika stroitel'stva [Economics of Construction]
<b>Avt. dor.</b> (16d)	Avtomobil'nye dorogi [Highways]	<b>Elek. i topl. tizaga</b> (16g)	Elektricheskaya i toplivozaznaya tizaga [Electric and Diesel Locomotive Traction]
<b>Avt. transp.</b> (16g)	Avtomobil'nyi transport [Automotive Transportation]	<b>Elek. sta.</b> (18e)	Elektricheskie stantsii [Electric Power Stations]
<b>Avtom. i telem.</b> (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]	<b>Elektrichestvo</b> (18e)	Elektrichestvo [Electricity]
<b>Avtom. svar.</b> (16f)	Akademii nauk URSS, Kiev, Institut elektrozvarivaniya. Avtomaticheskaya svarka [Academy of Sciences of the Ukrainian S. S. R., Institute of Electric Welding, Automatic Welding]	<b>Elektro-khimiya</b> (13d)	Elektrokhimiya [Electrochemistry]
<b>Avtomatyka</b> (16e)	Avtomatyka [Automatic Control]	<b>Elektrosvyaz'</b> (16e)	Elektrosvyaz' [Telecommunication]
<b>Az. i Afr. seg.</b> (1b)	Aziya i Afrika segodnya [Asia and Africa Today]	<b>Elektrotekhnika</b> (18e)	Elektrotekhnika [Electrical Engineering]
<b>Azerb. med. zhur.</b> (14a)	Azerbajdzhanskiy tibb zhurnaly, Azerbaidzhanitskiy meditsinskiy zhurnal [Azerbaijan Medical Journal]	<b>Energetik</b> (16e)	Energetik [Electric Power Technician]
<b>BIKI</b> [Prilozh.] (5a)	Bulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information, Supplement]	<b>Energomashino-stroenie</b> (18g)	Energomashinostroyeniye [Power Machinery Construction]
<b>Bet. i zhel. bet.</b> (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]	<b>Ferm. i spir. prom.</b> (16c)	Fermentatsiya i spirtovaya promyshlennost' [Fermentation and Distilling Industry]
<b>Bezop. truda v prom.</b> (10a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	<b>Fin. SSSR</b> (5c)	Finansy SSSR [Finance of the U. S. S. R.]
<b>Bibliot. SSSR</b> (2b)	Biblioteki SSSR [Libraries of the U. S. S. R.]	<b>Fiz.-khim. mekh. mat.</b> (10g)	† Fiziko-khimicheskaya mekhanika materialov [Physicochemical Mechanics of Materials]
<b>Bibliotekoved. i bibli. za rub.</b> (2b)	Bibliotekovedeniye i bibliografiya za rubezhom [Library Science and Bibliography Abroad]	<b>Fiz. tver. tela</b> (13f)	Fizika tverdogo tela [Solid State Physics]
<b>Biokhimiya</b> (13c)	Biokhimiya [Biochemistry]	<b>Fiziol. rast.</b> (13c)	Fiziologiya rastenii [Physiology of Plants]
<b>Biul. eksp. biol. i med.</b> (14a)	Bulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]	<b>Fiziol. zhur.</b> (13c)	Fiziologicheskii zhurnal SSSR [Physiological Journal of the U. S. S. R.]
<b>Biul. izobr. i tov. znak.</b> (16a)	Bulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]	<b>Gaz. delo</b> (16h)	Gazovoe delo [Gas Industry]
<b>Biul. MOIP. Old. biol.</b> (13c)	Moskovskoe obshchestvo ispytatelei prirody, Bulletin, Otdel biologicheskii [Moscow Naturalists' Society, Bulletin, Biological Section]	<b>Gaz. prom.</b> (16c)	Gazovaya promyshlennost' [Gas Industry]
<b>Biul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.</b> (16a)	Moscow, Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii, Bulletin, tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information, Bulletin of Technical and Economic Information]	<b>Geofiz. sbor.</b> (13f)	Akademii nauk URSS, Kiev, Institut geofiziki, Geofizicheskii sbornik [Academy of Sciences of the Ukrainian S. S. R., Institute of Geophysics, Geophysical Papers]
<b>Brat. vest.</b> (3b)	Bratskii vestnik [Herald of Brotherhood]	<b>Geokhimiya</b> (12c)	Geokhimiya [Geochemistry]
<b>Bukh. uch. uch. uch.</b> (5a)	Bukhgalteritskii uch. uch. uch. [Accounting]	<b>Geol. i geofiz.</b> (12c)	Geologiya i geofizika [Geology and Geophysics]
<b>Bum. i der. prom.</b> (16f)	Bumazhnaya i derevoobrabatyvalushchaya promyshlennost' [Paper and Woodworking Industry]	<b>Gen. zhur.</b> (12c)	Geologicheskii zhurnal [Geological Journal]
<b>Bum. prom.</b> (16f)	Bumazhnaya promyshlennost' [Paper Industry]	<b>Geotekhnika</b> (12c)	Geotekhnika [Geotechnics]
<b>Buren. i kred.</b> (5c)	Den'gi i kredit [Money and Credit]	<b>Gidrobiol. zhur.</b> (13e)	Gidrobiologicheskii zhurnal [Hydrobiological Journal]
		<b>Gidroliz. i lesokhim. prom.</b> (16c)	Gidrolizatsiya i lesokhimicheskaya promyshlennost' [Hydrolysis and Wood Chemistry Industry]
		<b>Gor. khoz. Mosk.</b> (16d)	Gorodskoe khoz. khoz. Moskvy [Municipal Economy of Moscow]
		<b>Grazhd. av.</b> (16b)	Grazhdanskaya aviatsiya [Civil Aviation]
		<b>Iad. fiz.</b> (13f)	Iadernaya fizika [Journal of Nuclear Physics]



Inform. biul. nov. inostr. knig, postup v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-matematicheskie i khimicheskie nauki, nauki o zemle, tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences; Technology and Technological Sciences]	Izv. AN Uz. SSR. Ser. fiz. - mat. nauk (13f)	Akademii nauk Uzbekskoi SSR, Tashkent. Izvestia. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2. (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 2: Biologicheskie nauki, sel'skoe i lesnoe khozjajstvo, sel'skokhoziaistvennye i leskhoziaistvennye nauki, zdoravookhraneniye, meditsinskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]	Izv. Bot. sada AN Kir. SSR (13c)	Frunze. Botanicheskiy sad. Izvestia [Botanical Garden Bulletin]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]	Izv. Kazan. fil. AN SSSR. Ser. geol. nauk (13c)	Akademii nauk SSSR. Kazanskii filial. Izvestia. Seriya geologicheskikh nauk [Academy of Sciences of the U.S.S.R. Kazan Branch. Bulletin. Series in the Geological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]	Izv. SO AN SSSR. Ser. biol. - med. nauk (13c)	Akademii nauk SSSR. Sibirskoe otdeleniye. Izvestia. Seriya biologo-meditsinskikh nauk [Academy of Sciences of the U.S.S.R. Siberian Department. Bulletin. Series in the Biological and Medical Sciences]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spisok i kartelek, sostavlyennykh bibliotekami Sovetskogo Soyuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]	Izv. vys. ucheb. zav. i energ. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]
Inform. ukaz. stand (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]	Izv. vys. ucheb. zav. i khim. i khim. tekhn. (13d)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, khimiya i khimicheskaya tekhnologiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Chemistry and Chemical Technology]
Iskusstvo (10a)	Iskusstvo [Art]	Izv. vys. ucheb. zav. i mashino-str. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, mashinostroyeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Machine Building]
Ist. zap. (4a)	Istoricheskie zapiski [Historical Records]	Izv. vys. ucheb. zav. i radiofiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Physics]
Izm. tekhn. (16a)	Izmeritel'naya tekhnika [Measurement Techniques]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Arm. SSR. Khim. nauki (13d)	Akademii nauk Armanakoi SSR, Erivan. Izvestia. Khimicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Chemical Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Arm. SSR. Ser. fiz. - mat. nauk (13a)	Akademii nauk Armanakoi SSR, Erivan. Izvestia. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Azerb. SSR. Ser. biol. nauk (13c)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Izvestia. Seriya biologicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Biological Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Azerb. SSR. Ser. fiz. - tekhn. i mat. nauk (1a)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Izvestia. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Physical, Technological, and Mathematical Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Azerb. SSR. Ser. geol. - geog. nauk (12c)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Izvestia. Seriya geologo-geograficheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Geological and Geographical Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Kazakh. SSR. Ser. biol. nauk (13c)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Izvestia. Seriya biologicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in the Biological Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Kazakh. SSR. Ser. geol. (12c)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Izvestia. Seriya geologicheskaya [Academy of Sciences of the Kazakh S.S.R. Bulletin. Geological Series]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Energ. i transp. (16g)	Akademii nauk SSSR. Izvestia. Energetika i transport [Academy of Sciences of the U.S.S.R. Bulletin. Power Engineering and Transportation]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Fiz. zem. (13f)	Akademii nauk SSSR. Izvestia. Fizika zemli [Academy of Sciences of the U.S.S.R. Bulletin. Physics of the Earth]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Mekh (13f)	Akademii nauk SSSR. Izvestia. Mekhanika [Academy of Sciences of the U.S.S.R. Bulletin. Mechanics]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Neorg. mat. (13d)	Akademii nauk SSSR. Izvestia. Neorganicheskie materialy [Academy of Sciences of the U.S.S.R. Bulletin. Inorganic Materials]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Ser. fiz. (13f)	Akademii nauk SSSR. Izvestia. Seriya fizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Ser. geog. (12b)	Akademii nauk SSSR. Izvestia. Seriya geograficheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Ser. geol. (12c)	Akademii nauk SSSR. Izvestia. Seriya geologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Ser. khim. (13d)	Akademii nauk SSSR. Izvestia. Seriya khimicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Chemical Series]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN SSSR. Ser. mat. (13e)	Akademii nauk SSSR. Izvestia. Seriya matematicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. AN Turk. SSR. Ser. obshchestv. nauk (1a)	Akademii nauk Turkmenskoi SSR, Ashkhabad. Izvestia. Seriya obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]	Izv. vys. ucheb. zav. i stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedeniy, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]

Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]	Nauch. - issl. trudy VNIIL- TEKMA SHA (16g)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut tekstil'nogo i legkogo mashinostroeniia. Nauchno-issledo- vatel'skie trudy [All-Union Scientific Research Institute of Textile and Light Machinery. Scientific Research Papers]
Let. izobr. isk. (10a)	Letopis' izobrazitel'nogo iskusstva [Chronicle of Fine Arts]	[Nauch. trudy] ENIKMA SHA (16g)	Moscow. Eksperimental'nyi nauchno-issledovatel'skii institut kuznechno-pressovogo mashinostroeniia. (Nauchnye trudy) [Experimental Scientific Research Institute for Press Forging in Machinery Manufacture. Studies]
Let. muz. lit. (9b)	Letopis' muzykal'noi literatury [Chronicle of Musical Literature]	Nauch. trudy MTILP (16g)	Moscow. Tekhnologicheskii institut legkoi promyshlen- nosti. Nauchnye trudy [Technological Institute of Light Industry. Studies]
Let. rets. (2a)	Letopis' retsenzii [Chronicle of Reviews]	Nauch. trudy TashGU. Filol. nauki (11a)	Tashkent. Universitet. Nauchnye trudy. Filologicheskie nauki. [University. Studies. Philological Sciences]
Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]	Neft. i gaz. prom. (16h)	Neftianala i gazovala promyshlennost' [Petroleum and Gas Industry]
Lit. i pol. iskop. (12c)	Litologiia i poleznye iskopaemye [Lithology and Mineral Resources]	Neft. khoz. (16h)	Neftianoe khoziaistvo [The Petroleum Industry]
Lit. proizv. (16h)	Litelnoe proizvodstvo [Foundry Practice]	Neftoper. i neftekhim. (16h)	Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]
Mash. i neft. obr. (16h)	Mashiny i neflianoie oborudovanie [Machinery and Petroleum Equipment]	Neftprom delo (16h)	Neft i promyshlennost' [Petroleum Production]
Mashinostroenie (10g)	Mashinostroenie [Machinery Manufacture]	Nov. inostr. ekon. lit. (5b)	Novaya inostrannaya ekonomicheskaya literatura [New Foreign Economic Literature]
Mashinovedenie (16g)	Mashinovedenie [Mechanical Engineering]	Nov. inostr. lit. po iaz. (11a)	Novaya inostrannaya literatura po iazykoznaniiu [New Foreign Literature on Linguistics]
Mat. i issl. po arkheol. SSSR (4b)	Materialy i issledovaniia po arkheologii SSSR [Materials and Research in the Archaeology of the U.S.S.R.]	Nov. inostr. lit. po ist., arkheol. i etn. (4a)	Novaya inostrannaya literatura po istorii, arkheologii i etno- grafii [New Foreign Literature on History, Archaeology, and Ethnography]
Mat. rybokhoz. issl. Sov. bas. (15b)	Materialy rybokhoziatsvennykh issledovanii Severnogo basseina [Materials of Fisheries Research in the Northern Basin]	Nov. knigi; ezhened. inform. - bibl. zhur. (2a)	Novye knigi; ezhenedel'nyi informatsionno-bibliograficheskii zhurnal [New Books, Bibliographical Information Weekly]
Mat. sbor. (13a)	Matematicheski sbornik [Mathematical Review]	Nov. knigi za rub. Ser. B (16a)	Novye knigi za rubezhom. Seriya B: Tekhnika [New Foreign Books, Series B: Technology]
Med. paraz. i paraz. bol. (14a)	Meditsinskaya parazitologiya i parazitarnye bolezni [Medical Parasitology and Parasitogenic Diseases]	Nov. knigi za rub. po obshchestv. naukam (2a)	Novye knigi za rubezhom po obshchestvennym naukam; ekonomika, filosofiya, istoriya, mezhdunarodnye otno- sheniia [New Foreign Books on the Social Sciences; Eco- nomics, Philosophy, History, International Relations]
Med. rad. (14a)	Meditsinskaya radiologiya [Medical Radiology]	Nov. sov. i inostr. lit. po vop. ateiz. i rel. (3b)	Novaya sovetskaya i inostrannaya literatura po voprosam ateizma i religii [New Soviet and Foreign Literature on the Problems of Atheism and Religion]
Med. ref. zhur. (14a)	Meditsinski referativnyi zhurnal [Medical Abstracts]	Nov. sov. lit. po filos. (3a)	Novaya sovetskaya literatura po filosofii [New Soviet Literature on Philosophy]
Mekh. i avtom. proizv. (16g)	Mekhanizatsiia i avtomatizatsiia proizvodstva [Mekhaniza- tion and Automation of Production]	Nov. sov. lit. po iaz. (11a)	Novaya sovetskaya literatura po iazykoznaniiu [New Soviet Literature on Linguistics]
Mekh. stroi. (16d)	Mekhanizatsiia stroitel'stva [Mechanization of Construction]	Nov. tekhn. zhil- kom. khoz. i Zhil. khoz. (16d)	Novaya tekhnika zhilishchno-kommunal'nogo khoziaistva; Zhilishchnoe khoziaistvo [New Technology for Housing and Communal Services; Housing Services]
Metalloved. i term. obr. met. (16h)	Metallavedenie i termicheskaya obrabotka metallov [Metals and Heat Treatment of Metals]	Nov. tov. (5a)	Novye tovary, informatsionnyi biulleten' [New Con- sumer Goods; Information Bulletin]
Metallurg (16h)	Metallurg [Metallurgy]	Nov. vrem. (6)	Novoe vremia [New Times]
Meteor. i gidrol. (13f)	Meteorologiya i gidrologiya [Meteorology and Hydrology]	Ogneupory (16h)	Ogneupory [Refractories]
Metod. paleo- geog. issl. (12b)	Metody paleogeograficheskikh issledovani [Methods of Paleogeographical Studies]	Okeanologiya (12b)	Okeanologiya [Oceanology]
Mozhdunar. zhizn' (6)	Mezhdunarodnaya zhizn' [International Life]	Okhr. truda i sots. strakh. (5d)	Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
Mikrobiol. zhur. (13c)	Mikrobiologichnyi zhurnal [Journal of Microbiology]	Oktlavr' (11b)	Oktlavr' [October]
Mikrobiologiya (13c)	Mikrobiologiya [Microbiology]	Optim. plan. (13e)	Optimal'noe planirovaniye [Optimum Planning]
Mir. ekon. i mezhdunar. otn. (5b)	Mirovaya ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]	Osn. fund. i mekh. grun. (16d)	Osnovaniia, fundamente i mekhanika gruntov [Foundations and Soil Mechanics]
Mont. i spets. rab. v stroi. (16d)	Montazhnye i spetsial'nye raboty v stroitel'stve [Assembly and Specialized Operations in Construction]	Paleont. zhur. (12c)	Paleontologicheskii zhurnal [Paleontological Journal]
Mor. flot (17b)	Morskoi flot [The Merchant Marine]	Part. zhizn' (6)	Partiinaya zhizn' [Party Life]
Mor. sbor. (17b)	Morskoi sbornik; zhurnal Voenno-Morskogo Flota SSSR [Naval Review; Magazine of the Soviet Navy]	Pat. fiziol. i eksp. terap. (14e)	Patologicheskaya fiziologiya i eksperimental'naya terapiia [Pathological Physiology and Experimental Therapy]
Muk. - elev. prom. (16f)	Mukomol'no-elevatornaya promyshlennost' [Flour Milling and Grain Storage]	Plan. khoz. (5b)	Plannoe khoziaistvo [Planned Economy]
NTI (16a)	Moscow. Vsesoluznyi institut nauchnoi i tekhnicheskoi informatsii. Nauchno-tekhnicheskaya informatsiia [All-Union Institute of Scientific and Technical Infor- mation. Scientific and Technical Information]	Plast. massy (16c)	Plasticheskie massy [Plastics]
NTO (16a)	Vsesoluznyi soviet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U.S.S.R.]	Po rad. Ukr. (1b)	Ukrains'ke tovarystvo druzhby i kul'turnoho zve'iazku z zarubizhnymy krajinami. Po radiatsii kul'turno- kronika [Ukrainian Society for Friendship and Cultural Relations with Foreign Countries. Through Soviet Ukraine; Photo Report]
Na stroi. Ros. (16d)	Na stroikakh Rossii [At Russian Construction Projects]		
Nach. shkola (8a)	Nachal'naya shkola [Primary School]		
Nar. Azii i Afr. (4a)	Narody Azii i Afriki; istoriya, ekonomika, kul'tura [Peoples of Asia and Africa; History, Economics, Culture]		
Nar. khoz. Kazakh. (5b)	Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]		
Nar. obr. (8a)	Narodnoe ohrashovanie [Public Education]		

Pochvovedenie (16a)	Pochvovedenie [Soil Science]	Ref. zhur. : Khim. (13d)	Referativnyi zhurnal: Khimiia [Journal of Abstracts: Chemistry]
Poligrafia (2c)	Poligrafia [Printing]	Ref. zhur. : Khim. i khol. mashinost. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroyeniye (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Pozh. delo (16d)	Pozharnoe delo [Fire Fighting]	Ref. zhur. : Kib. (13a)	Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics]
Pratsi Inst. geol. nauk AN URSSR. Ser. geol. rod. kor. kop. (16h)	Akademiia nauk URSSR, Kiev. Instytut geologichnykh nauk. Pratsi. Seriya geologii rodovyshch korysnykh kopalyn [Academy of Sciences of the Ukrainian S.S.R. Institute of Geological Sciences Transactions, Series in the Geology of Mineral Deposits]	Ref. zhur. : Kottlostr. (16g)	Referativnyi zhurnal: Kottlostroyeniye (Otdel'nyi vypusk 42) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
Priborostroyeniye (16g)	Priborostroyeniye [Instrument Manufacture]	Ref. zhur. : Lesoved. i lesovod. (16c)	Referativnyi zhurnal: Lesovedeniye i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]
Prikl. mat. i mekh. (13e)	Prikladnaya matematika i mekhanika [Applied Mathematics and Mechanics]	Ref. zhur. : Mashinostroi mat. konstr. i rasch. det. mash. Gidr. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktii i raschet detalей mashin. Gidropriivod (Otdel'nyy vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts. Hydraulic Drive (Separate Issue 48)]
Prikl. mekh. (16g)	Prikladnaya mekhanika [Applied Mechanics]	Ref. zhur. : Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaya geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Priroda (13a)	Priroda [Nature]	Ref. zhur. : Met. (16h)	Referativnyi zhurnal: Metallurgiya [Journal of Abstracts: Metallurgy]
Probl. endok. i gorm. (14a)	Problemy endokrinologii i gormonoterapii [Problems of Endocrinology and Hormone Therapy]	Ref. zhur. : Metr. i izm. tekhn. (16a)	Referativnyi zhurnal: Metrologiya i izmeritel'naya tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]
Probl. gemat. i pereb. krovi (14e)	Problemy gematologii i pereblivaniia krovi [Problems of Hematology and Blood Transfusion]	Ref. zhur. : Nasosostroi. i kompres-sorostroi. (16g)	Referativnyi zhurnal: Nasosostroyeniye i kompressirovaniye (Otdel'nyi vypusk 61) [Journal of Abstracts: Manufacture of Pumps and Compressors (Separate Issue 61)]
Probl. kib. (13a)	Problemy kibernetiki [Problems of Cybernetics]	Ref. zhur. : Ob. vop. pat. Onk. (14a)	Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiya (Otdel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]	Ref. zhur. : Obor. pishch. prom. (16g)	Referativnyi zhurnal: Oborudovaniye pishchevoly promyshlennosti (Otdel'nyi vypusk 38) [Journal of Abstracts: Equipment of the Food Industry (Separate Issue 38)]
Prom. energ. (16e)	Promyshlennaya energetika [Industrial Power]	Ref. zhur. : Pochv. udobr. mel. (15a)	Referativnyi zhurnal: Pochvovedeniye. Udobreniye. Melioratsiya (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science. Fertilizers. Reclamation (Separate Issue 57)]
Put' i put. khoz. (16d)	Put' i putevoye khoziaistvo [Railroad Tracks and Roadway Maintenance]	Ref. zhur. : Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyy transport [Journal of Abstracts: Industrial Transportation]
Radiokhimiia (13d)	Radiokhimiia [Radiochemistry]	Ref. zhur. : Radiotekh. i elektrosviaz' (16e)	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Radio (16e)	Radio	Ref. zhur. : Rast. (15d)	Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts: Plant Culture (Separate Issue 55)]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]	Ref. zhur. : Tekh. i obor. tsel. bum. i poligr. proizv. (16g)	Referativnyi zhurnal: Tekhnologiya i oborudovaniye tselulozno-bumazhnoy i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Woodpulp, Paper, and Printing Industry (Separate Issue 37)]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]	Ref. zhur. : Tekh. mashinostroi. (16g)	Referativnyi zhurnal: Tekhnologiya mashinostroyeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Rast. res. (13c)	Rastitel'nye resursy [Plant Resources]	Ref. zhur. : Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]	Ref. zhur. : Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennyye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Separate Issue 44)]
Ref. zhur. : Astron. (13b)	Referativnyi zhurnal: Astronomiya (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]	Ref. zhur. : Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]
Ref. zhur. : Av. i raket. dvig. (16b)	Referativnyi zhurnal: Aviatsonnyye i raketnyye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]	Ref. zhur. : Turbostroi. (16g)	Referativnyi zhurnal: Turbostroyeniye (Otdel'nyi vypusk 46) [Journal of Abstracts: Turbine Manufacture (Separate Issue 46)]
Ref. zhur. : Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]	Ref. zhur. : Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
Ref. zhur. : Avtom., telem. i vych. tekhn. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naya tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]	Ref. zhur. : Vop. tekhn. prog. i org. proizv. v mashinostroi. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroyeni (Otdel'nyi vypusk 36) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 36)]
Ref. zhur. : Biol. (13c)	Referativnyi zhurnal: Biologiya [Journal of Abstracts: Biology]	Ref. zhur. : Vzaimodeistv. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodeistviye raznykh vidov transporta i konteynernyye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur. : Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaya khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]	Ref. zhur. : Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Ref. zhur. : Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]		
Ref. zhur. : Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primeneniye [Journal of Abstracts: Electronics and its applications]		
Ref. zhur. : Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiya, Toksikologiya (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology, Toxicology (Separate Issue 54)]		
Ref. zhur. : Fotokinetekh. (16g)	Referativnyi zhurnal: Fotokinetekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Emulsion (Separate Issue 46)]		
	u: Geofizika [Journal of Abstracts: Geophysics]		
	igrafia [Journal of Abstracts: Cartography]		
	noe delo [Journal of Abstracts: Fire Fighting]		
reak. (16e)	Referativnyi zhurnal: Yadernyye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]		
Ref. zhur. : Issl. kosm. prostr. (13b)	Referativnyi zhurnal: Issledovaniye kosmicheskogo prostranstva (Otdel'nyi vypusk 62) [Journal of Abstracts: Space Research (Separate Issue 62)]		

Ref. zhur., Zhiv. Vol. (15b)	Referativnyi zhurnal; Zhivotnovodstvo. Veterinariia (Oldel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry. Veterinary Medicine (Separate Issue 58)]	Stroi. mat. (15d)	Stroitel'nye materialy [Building Materials]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]	Sud.-med. ekspert. (14a)	Sudebno-meditsinskaya ekspertiza [Forensic Medicine Expertise]
Sakh. prom. (16c)	Sakharnaya promyshlennost' [Sugar Industry]	Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Sbor. nauch. rab. NII sad. (15d)	Michurinsk. Nauchno-issledovatel'skii institut sadovodstva. Sbornik nauchnykh rabot [Scientific Research Institute of Horticulture. Papers]	Svar. proizv. (16f)	Svarechnoe proizvodstvo [Welding Practice]
Sbor. nauch. trud. Gintsvetmetiz (16h)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut tsvetnykh metallor. Sbornik nauchnykh trudov [State Institute of Nonferrous Metals. Scientific Papers]	Svod. biul. nov. inost. knig. Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriya A. Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U. S. S. R. Series A. Natural Sciences, Medicine, Agriculture, Technology]
Sbor. nauch. trud. inst. infek. bol. (14g)	Kiev. Institut infektsionnykh boleznei. Sbornik nauchnykh trudov [Institute of Infectious Diseases. Papers]	Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]
Sbor. post. VTSSPS (5d)	Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soizov. Sbornik postanovlenii [All-Union Central Council of Trade Unions. Decisions]	Teatr (9c)	Teatr [The Theater]
Sbor. rab. po mekh. i elekt. sel'- khoz. proizv. (15a)	Sbornik rabot po mekhanizatsii i elektrifikatsii sel'sko- khoziaistvennogo proizvodstva [Papers on the Mechan- ization and Electrification of Agricultural Production]	Tekh. est. (16a)	Tekhnicheskaya estetika [Industrial Aesthetics]
Sbor. trud. BITM (16g)	Bryansk. Institut transportnogo mashinostroeniia, Bezhitsa. Sbornik trudov [Institute of the Manufacture of Transportation Equipment. Papers]	Tekh. kino i telev. (9a)	Tekhnika kino i televideniia [Motion-Picture and Television Engineering]
Sbor. trud. Zool. muz. MGU (13c)	Moscow. Universitet. Zoologicheskii muzei. Sbornik trudov [University. Zoological Museum. Papers]	Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
Sel'. stroi. (16d)	Sel'skoe stroitel'stvo [Rural Construction]	Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Prac- tice of Physical Education]
Sel'khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaya literatura SSSR [Agricultural Literature of the U. S. S. R.]	Teor. veroiat. i ee prim. (13c)	Teoriia veroiatnostei i ee primeneniia [Theory of Probability and Its Applications]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]	Teor. veroiat. i mat. stat. (13a)	Teoriia veroiatnostei i matematicheskaya statistika [Theory of Probability and Mathematical Statistics]
Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]	Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Shvein. prom. (16f)	Shvelnaya promyshlennost' [Clothing Industry]	Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]
Sil'. bud. (16d)	Sil'sko budivnytstvo [Rural Construction]	Trakt. i sel'- khoz. mash. (16g)	Traktory i sel'khoz. mashiny [Tractors and Agricul- tural Machinery]
Soob. DVFAN SSSR (1a)	Akademiia nauk SSSR. Dal'novostochnyi filial, Vladivostok. Soobshcheniia [Academy of Sciences of the U. S. S. R. Far Eastern Branch. Reports]	Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Trans- portation Industry]
Sots. zakon. (7)	Sotsialisticheskaya zakonnost' [Socialist Legality]	Trudy AANII (12b)	Leningrad. Arkticheskii i antarktiicheskii nauchno-issledovatel'skii institut. Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Sov. bibl. (2a)	Sovetskaya bibliografiia [Soviet Bibliography]	Trudy Astrofiz. inst. AN Kazakh SSR (13b)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Astrofizicheskii institut. Trudy [Academy of Sciences of the Kazakh S. S. R. Astrophysical Institute. Transactions]
Sov. etn. (12a)	Sovetskaya etnografiia [Soviet Ethnography]	Trudy Azherniro (15b)	Kerch. Azovo-Chernomorskiy nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]
Sov. iust. (7)	Sovetskaya iustitsiia [Soviet Justice]	Trudy GILVT (17b)	Gorkiy. Institut inzhenerov vodnogo transporta. Trudy [Institute of Water Transportation Engineers. Trans- actions]
Sov. med. (14a)	Sovetskaya meditsina [Soviet Medicine]	Trudy GIN (12c)	Akademiia nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Geological In- stitute. Transactions]
Sov. muz. (9b)	Sovetskaya muzyka [Soviet Music]	Trudy GPI [Gruz.] (16a)	Tiflis. Gruzinskii politekhnicheskii institut. Trudy [Georgian Polytechnic Institute. Transactions]
Sov. potreb. koop. (5a)	Sovetskaya potrebitel'skaya kooperatsiia [Soviet Consumer Cooperation]	Trudy GSKHI (15a)	Gorki. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]	Trudy Giprovodkhoz (16d)	Moscow. Vsesoiuznyi proektno-izyskatel'skii i nauchno- issledovatel'skii institut Giprovodkhoz. Trudy [All-Union Design and Scientific Research Institute of the Water Economy. Transactions]
Sov. shakht. (16h)	Sovetskii shakhter [Soviet Miner]	Trudy IREA (13d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut khimicheskikh reaktivov i osoboi chistykh veshchestv. Trudy [All-Union Scientific Research Institute of Chemical Reagents and Analytically Pure Substances. Transactions]
Sov. slav. (4a)	Sovetskoe slavjanovedeniie [Soviet Slavic Studies]	Trudy inst. fiziol. AN Kazakh. SSR (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut fizologii. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Physiology. Transactions]
Sov. torg. (5a)	Sovetskaya torgovlia [Soviet Commerce]	Trudy inst. im. N. V. Sklif. (14a)	Moscow. Institut imeni N. V. Sklifosovskogo. Trudy [N. V. Sklifosovskii Institute. Transactions]
Sov. voen. (17a)	Sovetskii voen. [Soviet Soldier]	Trudy inst. norm. i pat. fiziol. AMN SSSR (14e)	Akademiia meditsinskikh nauk SSSR, Moscow. Institut normal'noi i patologicheskoi fizologii. Trudy [Academy of Medical Sciences of the U. S. S. R. Institute of normal and Pathological Physiology. Transactions]
Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]	Trudy LPI (16a)	Leningrad. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Sred. veka (4a)	Akademiia nauk SSSR. Institut istorii. Srednie veka [Academy of Sciences of the U. S. S. R. Institute of History. The Middle Ages]	Trudy Len. gidromet. inst. (13f)	Leningrad. Gidrometeorologicheskii institut. Trudy [Hydrometeorological Institute. Transactions]
Stal' (16b)	Stal' [Steel]		
Steklo i ker. (16c)	Steklo i keramika [Glass and Ceramics]		
Strany Blizh. i Sred. Vost. (4a)	Strany Blizhnego i Srednego Vostoka [Countries of the Near and the Middle East]		
Stroi. i arkhitekt. (16b)	Stroitel'stvo i arkhitektura [Construction and Architecture]		
Stroi. i arkhitekt. Len. (16b)	Stroitel'stvo i arkhitektura Leningrada [Construc- tion and Architecture in Leningrad]		

Trudy MIIT (16g)	Moscow, Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]	Usp. sovr. biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Trudy MINKHIGP (16h)	Moscow. Institut neftekhimicheskoi i gazovoi promyshlennosti. Trudy [Institute of the Petrochemical and Gas Industry. Transactions]	Uzb. biol. zhur. (13c)	Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal]
Trudy MOIP. Otd. biol. (13c)	Moskovskoe obshchestvo ispytatelei prirody. Trudy Otdel biologicheskii [Moscow Naturalists' Society. Transactions. Biological Section]	Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
Trudy Mat. inst. (13a)	Akademiya nauk SSSR. Matematicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Mathematical Institute. Transactions]	Uzb. khim. zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]
Trudy NVNIIGG (12c)	Nizhnevolzhskii nauchno-issledovatel'skii institut geologii i geofiziki. Trudy [Lower Volga Scientific Research Institute of Geology and Geophysics. Transactions]	Ved. Verkh. Sov. RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedom. [Supreme Soviet. Gazette]
Trudy PINRO (15b)	Murmansk. Polarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [Arctic Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]	Ved. Verkh. Sov. SSSR (7)	Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Vedom. [Supreme Soviet. Gazette]
Trudy SBS (13c)	Akademiya nauk SSSR. Sevastopol'skaya biologicheskaya stantsiya. Trudy [Academy of Sciences of the U.S.S.R. Sevastopol Biological Station. Transactions]	Vest. AN SSSR (1a)	Akademiya nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Trudy STI (16g)	Krasnoyarsk. Sibirskii tekhnologicheskii institut. Trudy [Siberian Technological Institute. Transactions]	Vest. dermat. i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Trudy TSIP (13f)	Moscow. Tsentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]	Vest. khir. (14h)	Vestnik khirurgii [Review of Surgery]
Trudy TSIU (14a)	Moscow. Tsentral'nyi institut usovershenstvovaniia vrachei. Trudy [Central Institute for Postgraduate Training of Physicians. Transactions]	Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Trudy Transp. - energ. inst. Sib. otd. AN SSSR (16g)	Akademiya nauk SSSR. Sibirskoe otdeleniye. Transportno-energeticheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Branch. Transportation and Power Institute. Transactions]	Vest. mashino-str. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Trudy VNIORI (16h)	Leningrad. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]	Vest. Mosk. un. Ser. 1: Mat., mekh. (13e)	Moscow. Universitet. Vestnik. Seriya 1: Matematika, mekhanika [University. Review. Series 1: Mathematics, Mechanics]
Trudy VNII (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas. Transactions]	Vest. Mosk. un. Ser. 7: Filol., zhur. (11b)	Moscow. Universitet. Vestnik. Seriya 7: Filologiya, zhurnalistika [University. Review. Series 7: Philology, Journalism]
Trudy VNIIE (16a)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektroenergetiki. Trudy [All-Union Scientific Research Institute of Electric Power Engineering. Transactions]	Vest. Mosk. un. Ser. 8: Ekon., filos. (5b)	Moscow. Universitet. Vestnik. Seriya 8: Ekonomika, filosofiya [University. Review. Series 8: Economics, Philosophy]
Trudy VNIKIMASH (16g)	Vsesoiuznyi nauchno-issledovatel'skii institut izdelorodnogo mashinostroeniia. Trudy [All-Union Scientific Research Institute of Industrial Oxygen Apparatus Construction. Transactions]	Vest. Mosk. un. Ser. 10: Pravo (7)	Moscow. Universitet. Vestnik. Seriya 10: Pravo [University. Review. Series 10: Law]
Trudy VNIRO (15b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [All-Union Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]	Vest. rent. i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
Trudy VZEI (16a)	Moscow. Vsesoiuznyi nauchnyi energeticheskii institut. Trudy [All-Union Correspondence Institute of Power Engineering. Transactions]	Vest. sel'khoz. nauk (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]	Vest. sel'khoz. nauk [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.
Uch. zap. Kaf. mat. Tium. gos. ped. inst. (13e)	Tyumen'. Gosudarstvennyi pedagogicheskii institut. Kafedra matematiki. Uchenye zapiski [State Pedagogical Institute. Department of Mathematics. Studies]	Vest. svyazi (16e)	Vestnik svyazi [Communications Review]
Uch. zap. Kaf. perev. MGPIIA (11a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykhazykov. Kafedra perevoda. Uchenye zapiski [Moscow State Pedagogical Institute of Foreign Languages. Department of Translation. Studies]	Vest. TSNIi MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]	Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Uch. zap. MOPI (1a)	Moscow. Moskovskii oblasnoi pedagogicheskii institut. Uchenye zapiski [Moscow Province Pedagogical Institute. Studies]	Vest. AN BSSR. Ser. sel'khoz. nav. (15a)	Akademiya nauk BSSR, Minak. Vest. Seriya sel'skokhoziaistvennykh nauk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Agricultural Sciences]
Uch. zap. Mord. gos. un. (1a)	Saransk. Mordovskii gosudarstvennyi universitet. Uchenye zapiski [Mordvinian State University. Studies]	Veterinarlia (15b)	Veterinarlia [Veterinary Medicine]
Ugol' (16h)	Ugol' [Coal]	Vnesh. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
Ukr. biokhim. zhur. (13c)	Ukrains'kyi biokhimichnyi zhurnal [Ukrainian Biochemical Journal]	Voen. - ist. zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Journal]
Ukr. fiz. zhur. (13f)	Ukrains'kyi fizichnyi zhurnal [Ukrainian Physical Journal]	Vop. fil. s. (3a)	Voprosy filosofii [Problems of Philosophy]
Ukr. mat. zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]	Vop. geog. (12b)	Voprosy geografii [Problems of Geography]
Usp. fiz. nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]	Vop. gidr. (16d)	Voprosy gidrotekhniki [Problems of Hydraulic Engineering]
Usp. mat. nauk (13e)	Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]	Vop. gor. davl. (16h)	Voprosy gornogo davleniia [Problems in Rock Pressure]
		Vop. iaz. (11a)	Voprosy iazykoznaia [Problems of Linguistics]
		Vop. ist. (4a)	Voprosy istorii [Problems of History]
		Vop. ist. KPSS (6)	Voprosy istorii KPSS [Problems in the History of the CPSU]
		Vop. lit. (11b)	Voprosy literatury [Problems of Literature]
		Vop. onk. (14e)	Voprosy onkologii [Problems of Oncology]
		Vop. pit. (13c)	Voprosy pitania [Problems of Nutrition]
		Vop. psikh. (3a)	Voprosy psikhologii [Problems of Psychology]
		Vop. virus. (13a)	Voprosy virusologii [Problems of Virology]
		Vych. sist. (13e)	Akademiya nauk SSSR. Sibirskoe otdeleniye. Institut matematiki. Vychislitel'nye sistemy [Academy of Sciences of the U. S. S. R. Siberian Department. Institute of Mathematics, Computer Systems]

Vysokom. soed. (13d)	Vysokomolekulyarnye soedineniya [Macromolecular Com- pounds]	Zhur. evol. biokhim. i fiziol. (13c)	‡ Zhurnal evolyutsionnoi biokhimii i fiziologii [Journal of Evolutionary Biochemistry and Physiology]
Za tekhn. prog. (16a)	Za tekhnicheskii progress [For Technological Progress]	Zhur. mikro- biol., epid. i immun. (14a)	Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immuno- biology]
Zap. Len sel'khoz inst. (15a)	Leningrad Sel'skokhoziaistvennyi institut. Zapiski [Agricultural Institute Records]	Zhur. Mosk. Patr. (3b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patri- archate]
Zap. Uz. otd. Vses min ob-va (12c)	Vsesoiuznoe mineralogicheskoe obshchestvo. Uzbekistan- skoe otdeleniye. Zapiski [All-Union Mineralogical So- ciety. Uzbekistan Branch. Records]	Zhur. neorg. khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
Zarub. radio- elek. (16e)	Zarubezhnaya radioelektronika [Radio Electronics Abroad]	Zhur. nevr. i psikh. (14c)	Zhurnal nevroptologii i psikiatrii [Journal of Neuropathol- ogy and Psychiatry]
Zashch. met (16h)	Zashchita metallov [Metals' Protection]	Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Zashch. rast. ot vred. i bol. (15d)	Zashchita rastenii ot vreditel'ei i boleznei [Protecting Plants Against Diseases and Pests]	Zhur. prikl. khim. (16c)	Zhurnal prikladnoi khimii [Journal of Applied Chem- istry]
Zemledelie (15d)	Zemledelie [Agriculture]	Zhur. prikl. spekt. (13f)	‡ Zhurnal prikladnoi spektroskopii [Journal of Applied Spec- troscopy]
Zhel. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]	Zhur. tekhn. fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zhil. i kom. khoz. (16d)	Zhiliishchnoe i kommunal'noe khoziaistvo [Housing and Communal Services]	Zhur. V KHO (13d)	Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva. Zhurnal [D.I. Mendeleev All-Union Chemical Society. Journal]
Zhil. - kom. khoz. (16d)	Zhiliishchno-kommunal'noe khoziaistvo [Housing and Communal Services]	Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]	Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]



# SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

## ACTH

- ACTH content in the blood of patients with Itsenko-Cushing syndrome. I. A. Eskin, V. M. Konopatskaya, N. V. Mikhailova. *Probl. endok. i gorm.* 10 no. 4:3-6 J1-Ag '64.
- Changes in the adrenocorticotrophic function of the hypophysis in traumatic shock. G. S. Mazurkevich. *Pat. fiziol. i eksp. terap.* 8 no. 6:19-21 N-D '64.
- Reaction of adrenals in rabbits with experimental thyroidin toxicosis to the intravenous introduction of ACTH. M. A. Larina. *Probl. endok. i gorm.* 10 no. 4:76-81 J1-Ag '64.

## AARONS, LAURIE, 1918-

People and events: Laurie Aarons, Trygve Bratelli. *Nov. vrem.* 23 no. 25:12,17 Je '65

## ABDOMEN—DISEASES

Outcomes of acute surgical diseases of the abdominal cavity in elderly persons. L. I. Gavril. *Trudy Inst. im. N. V. Sklif.* 9:125-131 '63.

## ABDOMEN—SURGERY

Clinical anatomical characteristics of acute surgical diseases of the abdominal cavity of elderly persons, based on materials of the Sklifovskii Institute. A. V. Smol'taninov, T. A. Naddachina, N. K. Permyakov. *Trudy Inst. im. N. V. Sklif.* 9:13-19 '63.

Pulmonary complications in patients with acute surgical diseases of organs of the abdominal cavity under various methods of anesthesia. I. N. Ershova, V. V. Rumyantseva. *Trudy Inst. im. N. V. Sklif.* 9:214-217 '63.

Surgical treatment of elderly persons with acute diseases of abdominal organs. A. A. Bocharov. *Trudy Inst. im. N. V. Sklif.* 9:25-29 '63.

## ABDOMEN—TUMORS

Case of a diffuse mesothelioma of the abdominal cavity. V. Ia. Lipets. *Vop. onk.* 11 no. 1:78-78 '65.

Tsybut'skii, B. A., and V. I. Skotnikov, comps. [Combined use of contrast media in the X-ray diagnosis of abdominal tumors; methodological manual] *Kombinirovannoe kontrastirovanie v rentgenodiagnostike opykholei briansnoi polosti; metodicheskoe posobie.* Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii in-t, 1964. 75 p. (DNLM)

Use of radioactive colloidal gold ( $Au^{198}$ ) in the treatment of pseudomyxomas of the abdominal cavity. L. S. Sukovatikh, B. V. Bilev. *Sov. med.* 28 no. 4:33-38 Ap '65.

## ABDOMEN—WOUNDS AND INJURIES

Selection of anesthesia in surgery on perforating wounds of the thoracic and abdominal cavities. I. U. S. Galtzer, T. S. Putievskaya. *Trudy Inst. im. N. V. Sklif.* 9:197-201 '63.

## ABERRATION

Calculation of the aberration of concave diffraction gratings. Part 2. Calculation of aberrations and estimation of the resolving power of the grating. I. V. Peisakhson, I. N. Tarakin. *Zhur. prikl. spekt.* 2 no. 3:216-222 Mr '65.

## ABERRATION, CHROMATIC AND SPHERICAL see Optical Instruments

### PLANTS

its in apple and pear. N. I. Turovskiy. '64

## ABSORBENTS

Sorption of carbon dioxide from porous active metals by absorbents. A. E. Grodskii, S. P. Zholobov, M. D. Ipatova. *Zhur. prikl. khim.* 38 no. 4:900-905 Ap '65

## ABSORPTION

Absorption of heavy metal ions by celomite. Part 1. M. A. Sarkisian, S. S. Apian. *Izv. AN Arm. SSR Khim. nauk.* 17 no. 4:393-397 '64.

Electron factor in the kinetics of chemisorption on semiconductor. F. F. Vol'kenshtein, O. Pashev. *Kin. i kat.* 6 no. 1:95-107 Ja-F '65.

Kinetics of ammonia absorption by its aqueous solutions in a column with gridless sieve plates. O. M. Diobysheva, V. K. Raskidkin. *Trudy IREA* no. 25:137-145 '63.

## ABSORPTION (PHYSIOLOGY)

Absorption of  $H^{31}$ -tagged fat in patients with adenomas of the pancreas. D. Duskaliev. *Trudy TSU* 71:78-82 '64.

Absorption of radioactive phosphate from the abdominal cavity in acute peritonitis. L. M. Zagoruilko. *Pat. fiziol. i eksp. terap.* 8 no. 6:22-24 N-D '64.

Some problems concerning the absorption of amino acids in the intestines. O. A. Shishova-Kasatochkina. *Vop. pit.* 23 no. 6:3-17 N-D '64.

## ABSORPTION OF SOUND

Absorption and propagation rate of ultrasonic waves in mixtures. I. Kh. Nazirov, V. F. Nodzev. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1:109-111 '65.

Absorption of ultrasound near the Curie point in triglycine sulfate crystals. K. A. Minaeva, A. P. Levaniuk. *Izv. AN SSSR, Ser. fiz.* 29 no. 6:978-981 Je '65.

Nuclear resonance absorption of ultrasound in crystals containing paramagnetic impurities. Sh. F. Murtazin. *Fiz. tver. tela* 7 no. 6:1690-1695 Je '65.

Ultrasound absorption in metals. I. U. A. Kashlev. *Fiz. tver. tela* 7 no. 6:1808-1808 Je '65.

## ABSORPTION SPECTRA

Luminescence and absorption of aqueous solutions of  $N-N'$ -dimethylthiacynine methylsulfate and its polymer formations. E. G. Moisa. *Zhur. prikl. spekt.* 2 no. 3:272-274 Mr '65.

## ACADEMIC DEGREES see Degrees, Academic

## ACADEMIC DISSERTATIONS see Dissertations, Academic

## ACADEMY OF SCIENCES OF THE KAZAKH S. S. R.

Department of Ul'gur Studies of the Academy of Sciences of the Kazakh S. S. R. M. Khamraev. *Nar. Az. i Afr.* no. 3:249 '65.

## ACADEMY OF SCIENCES OF THE TAJIK S. S. R.

Umarov, S. U. [Flourishing of science in Tajikistan] *Rastsvet nauki v Tadzhikistane.* Dushanbe, [Izd.-vo Akad. nauk Tadzhikskoi SSR] 1960. 68 p. (MICROFILM)

## ACADEMY OF SCIENCES OF THE TURKMEN S. S. R.

Scientific activity of the Academy of Sciences of the Turkmen S. S. R. *Vest. AN SSSR* 35 no. 5:11-15 My '65.

## ACADEMY OF SCIENCES OF THE U. S. S. R.

Anniversary session of the Scientific Council. V. M. Matorov. *Soob. DVFAN SSSR* no. 21:45 '63.

Lenin's care for the progress of science; materials of the Archives of the Academy of Sciences of the U. S. S. R. A. V. Koltsov. *Vest. AN SSSR* 35 no. 4:11-16 Ap '65.

## ACANTHOPHYLLUM

Germination force of *Acanthophyllum gypsophiloides* seeds under laboratory conditions. S. B. Bespaev. *Izv. AN Kazakh. SSR Ser. biol. nauk* 3 no. 1:71-78 Ja-F '65.

## ACARICIDES see Miticides

## ACCELERATION (PHYSIOLOGY)

Defense reflex to environment under an excessively strong action (acceleration of a short duration). E. V. Marukhanian. *Zhur. vys. nerv. defat.* 15 no. 3:458-465 My-Je '65.

Effect of acceleration on the higher nervous activity of dogs. P. V. Vasil'ev, M. A. Gerd. *Pat. fiziol. i eksp. terap.* 8 no. 6:3-7 N-D '64.

## ACCEPTANCES see subdivision under Tajikistan

## ACCLIMATIZATION

Acclimatization and sterility of domestic animals. V. S. Utekhin. *Veterinariia* 42 no. 6:103-104 Je '65.

Lincoln and Romney Marsh sheep in Alma-Ata Province. V. A. Bal'mont, A. P. Blagorazumov. *Izv. AN Kazakh. SSR Ser. biol. nauk* 3 no. 1:3-17 Ja-F '65.

## ACCLIMATIZATION (PLANTS)

Akademika nauk URSS, Kiev. *Dobutnichnyi sad.* [Acclimatization and introduction of new plants] *Aklimatizatsia i introduktsia novykh roslin.* Kyiv, Naukova dumka, 1965. 221 p. (DNAL)

## ACCOUNTING

(see also subdivision under East Kazakhstan Province; Kazakhstan; Ukraine)

Soleznev, S. I. [Accounting in industry] *Bukhgalterskii uchët v promyshlennosti.* 3. perer. izd. Moskva, Statistika, 1965. 206 p.

Standard regulation on the centralized accounting offices. *Fin. SSR* 39 no. 6:94-95 Je '65.

## ACCOUNTING—CONGRESSES

In the Methodological Council. *Bukhg. uchët* 22 no. 2:75-77 F '65.

Organization of business accounting in plants, scientific session in Moscow. I. U. P. Shishliannikov. *Vest. AN SSSR* 35 no. 4:113-114 Ap '65.

## ACETALDEHYDE

Copolymers of acetaldehyde. G. A. Chukhadzhan and others. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 4:465 '61.

## ACETALS

Cyclic polymerization and copolymerization. Part 32: Cyclic copolymerization of divinyl acetals with some vinyl monomers. S. G. Matsolov and others. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 4:420-427 '64.

Study of cyclic acetals. Phenolysis of polyvinyl butyral. N. V. Shorygina, N. V. Zhilina. *Plast. massy* no. 5:8-10 '65.

## ACETAMIDE

Physicochemical study of the reaction of acetamide with alkali metal nitrates. I. M. Bokhovkin, E. O. Vitman. *Zhur. ob. khim.* 35 no. 6:949-953 Je '65.

Reaction of ketene with nitrogen-containing bases. Part 20: Polarography of chloroacetamides. I. U. V. Svetkin, L. N. Andreeva. *Zhur. ob. khim.* 35 no. 5:839-842 My '65.

## ACETAMIDE—PHYSIOLOGICAL EFFECT

Change in the resistance to syntomycin in dysentery bacilli isolated in Ordzhonikidze in 1952-1953. Z. N. Dzhanava-Koroeva. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:135-138 Ja '65.

## ACETATES

Ammoniates of Be, Mg, Ca, Al, Sc, Y acetates. A. I. Grigoriyev, E. G. Pogodilova, A. V. Novoselova. *Zhur. neorg. khim.* 10 no. 4:772-779 Ap '65.

Changes in the ubiquinone content in the liver of normal and A-avitaminous rats under the influence of cortisone-acetate. H. V. Donchenko, R. V. Chahovets. *Ukr. biokhim. zhur.* 36 no. 5:772-777 '64.

Effect of malic and glyoxylic acids on the incorporation of acetate- $C^{14}$  in the lipids of the rabbit liver. V. A. Kokutin. *Ukr. biokhim. zhur.* 36 no. 5:767-771 '64.

Some data on the utilization of acetate by *Chlamydomonas globosa*. M. N. Pimenova, T. F. Kondrat'eva. *Mikrobiologiya* 34 no. 2:230-235 Mr-Apr '65.

## ACETIC ACID

Development of luminescence under the action of glacial acetic acid on serum albumin. I. I. Sapozhnikov, I. V. Silaev. *Trudy MOIP, Old bioi* 21:117-118 '65.

## ACETIC ACID (Continued)

Dissociation thermochemistry of nitrilo triacetic acid in an aqueous solution. P. M. Milukov, N. V. Polonova. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1 42-46 '65.

Effect of phenylacetic acid and sunflower oil on penicillin biosynthesis. L. Nyiri, Z. L. Lengyel. Antibiotiki 10 no. 5 395-401 My '65.

Extraction by acetic acid from hydrolyzates. A. E. Afopkin, R. Kh. Bostandzhian. Izv. AN Arm. SSR, Khim. nauki 17 no. 6:693-699 '64.

Halo- $\alpha$ -nitrocarboxylic acids. Part 9. Derivatives of fluoronitroacetic acid. I. V. Martynov, I. L. Kruglak. Zhur. ob. khim. 35 no. 6:967-969 Je '65.

Halophenols as the products of the metabolism of halo-phenylacetic acids in plants. D. I. Chikanikov, N. N. Pavlova, D. F. Gerasimov. Khim. v sel. khoz. 3 no. 4 56-60 Ap '65.

Infrared absorption spectra of certain ethylenediaminetetracarboxylic compounds. I. A. Kharitonov, G. S. Tereshin. Zhur. neorg. khim. 10 no. 5:1138-1144 My '65.

Infrared absorption spectra of sixteen-hydrate ethylenediaminetetracarboxylic salts of calcium and strontium. I. A. Kharitonov, G. S. Tereshin. Zhur. neorg. khim. 10 no. 6:1508-1509 Je '65.

Preparation and properties of hydrogen aquaethylonedi-aminotetracarboxylate (III). N. P. Kusakina, E. M. Iakimets. Zhur. neorg. khim. 10 no. 4:1013-1014 Ap '65.

Preparation and properties of the sodium salt of Co(III) ethylenediaminetetracarboxylate. N. P. Kusakina, E. M. Iakimets. Zhur. neorg. khim. 10 no. 4:1010-1012 Ap '65.

Purification of barium compounds with titanium B. A. P. Nakhodova, V. I. Kivobok. Trudy IREA no. 25, 179-182 '63.

Study of B- and C-organometallic isomers. Part 1. Reaction of dialkylhalogermanes and dialkylchlorosilanes with esters of mercury bisacetic acid. I. U. Baikov, I. U. Belavin, I. F. Lutsenko. Zhur. ob. khim. 35 no. 6:1002-1004 Je '65.

Study of the reaction of carbonylmethylation of lysozyme with iodoacetic acid. N. A. Kravchenko, G. V. Klepina, E. D. Kaverzina. Biokhimiya 30 no. 1 193-202 Ja-F '65.

Syntheses and study of lead ethylenediaminetetracarboxylate. R. P. Lastovskii, V. I. A. Tomkina, I. A. Solov'yova. Trudy IREA no. 25:180-183 '63.

Thermochemistry of the complex formation of some ions of rare-earth elements and yttrium with ethylenediaminetetracarboxylate. V. A. Koiubova, G. A. Prik. Zhur. neorg. khim. 10 no. 4:844-852 Ap '65.

Trivalent cerium acetate compounds. L. A. Pospelova, T. F. Zaitseva. Zhur. neorg. khim. 10 no. 5:1097-1105 My '65.

## ACETIC ACID—PHYSIOLOGICAL EFFECT

Effect of diphenyl in combination with a therapeutic diet on the course of peptic ulcer. V. A. Oleneva. Vop. pit. 23 no. 6:80-84 N-D '64.

Effect of EDTA on the process of crossing-over in various lines of *Drosophila melanogaster*. Suresh P. Sinha. Vest. LGU 20 no. 0:130-135 '65.

## ACETIC ACID—THERAPEUTIC USE

Use of acetaminophen in hypercholesterolemia in diabetics. S. A. Belen, E. M. Banaedina. Probl. endok. i gorm. 10 no. 5:7-10 S-O '64.

## ACETIC ACID—TOXICOLOGY

Dynamics of changes in the depressor reflexes appearing under the influence of various acids on intestinal receptors following monododecanoate intoxication. N. A. Anikina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:7-8 '64.

## ACETOACETIC ACID

Complex formation of B<sub>2</sub> hydroxyethyliminodiacetic acid with rare-earth elements. N. M. Daitlova and others. Zhur. neorg. khim. 10 no. 5:1131-1137 My '65.

Interaction of metallic derivatives of compounds containing a labile hydrogen atom with  $\alpha$ -oxalaldehydes. Part 5: Regarding the structure of the products of interaction of Na-acetoacetic ester with 1-bromo-3-methyl-2,3-epoxybutane, 1-bromo-2,3-epoxybutane, 3-bromo-1,2-epoxybutane, and epibromohydrin. T. I. Temnikova, B. A. Ershov, A. I. Arditi. Zhur. ob. khim. 35 no. 5:788-795 My '65.

Interaction of metallic derivatives of compounds containing a labile hydrogen atom with  $\alpha$ -oxalaldehydes. Part 6: Reaction of Na-acetoacetic ester with chloroprene oxide in ethanol. T. I. Temnikova, B. A. Ershov. Zhur. ob. khim. 35 no. 5:796-798 My '65.

## ACETONE

Semicarbazones of hexafluoroacetone. I. U. V. Zelfman, N. P. Gamberian, I. L. Khamants. Zhur. VKHO 10 no. 2:235-236 '65.

## ACETONE—SPECTRA

Temperature dependence of infrared absorption spectra and characteristics of ion-molecular interaction in acetone. A. Z. Qadzhiev, I. S. Pomolov. Zhur. neorg. khim. 10 no. 6:1490-1493 Je '65.

## ACETONITRILE

Interaction of metallic derivatives of compounds having a labile hydrogen atom with  $\alpha$ -oxalaldehydes. Part 7: Reaction of diphenylacetone with 1-bromo-2,3-epoxy-3-methylbutane and epibromohydrin. T. I. Temnikova, R. N. Kovalevskaya. Zhur. ob. khim. 35 no. 5:798-800 My '65.

## ACETOPHENONE

Synthesis of 2,5-dimethylacetophenone. S. P. Stal'kov, V. T. Buzimskiy. Trudy IREA no. 25:133-138 '63.

## ACETYL CHLORIDE

Reaction of ketene with nitrogen-containing bases. Part 17: Chloroacetylation of aromatic diamines and secondary amines. I. U. V. Svetkin. Zhur. ob. khim. 35 no. 6:834-838 My '65.

Reaction of ketene with nitrogen-containing bases. Part 18: Chloroacetylation of acid amides and imides. I. U. V. Svetkin, A. N. Minibaeva. Zhur. ob. khim. 35 no. 5:836-838 My '65.

## ACETYL GROUP

Deacetylation of cortisone acetate with the help of molds. K. A. Koshechenko, G. K. Skriabin. Mikrobiologiya 34 no. 2:252-257 Mr-Apr '65.

## ACETYLATION

Effect of the age of *Escherichia coli* and *Staphylococcus aureus* cultures on the acetylation process. I. U. V. Kuliash. Mikrobiologiya 34 no. 2:235-238 Mr-Apr '65.

## ACETYLCHOLINESTERASE

Study of the kinetics of enzymatic hydrolysis of acetylcholine under its constant concentration. G. M. Krivonozhova. Biokhimiya 29 no. 4:716-719 Ji-Ag '64.

## ACETYLENE

Acetylene polymerization process with a soluble catalytic system based on  $AlCl_3$  and VO (acetyl acetate)<sub>2</sub>. F. M. Nasirov, B. A. Krensel', B. E. Davydov. Izv. AN SSSR, Ser. khim. no. 6 1009-1016 '65.

Reaction of sodium trialkyltin with bromoacetylene. V. S. Zavgornitii, A. A. Petrov. Zhur. ob. khim. 35 no. 5:931-932 My '65.

## ACETYLENE COMPOUNDS

Condensation of acetylene acetals with ketones. Zh. A. Krasnaya, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 6:1070-1072 '65.

Reaction of amines with diacetylenic glycols. S. A. Vartanian, L. V. Oganova, Sh. O. Hadanlian. Izv. AN Arm. SSR, Khim. nauki 17 no. 6:709-712 '64.

Synthesis of primary and secondary  $\delta$ -silicon-containing acetylenic alcohols. M. F. Shostakovskii, A. S. Alavin, N. F. Egorov. Zhur. ob. khim. 35 no. 5:800-811 My '65.

## ACETYLENEDICARBOXYLIC ACID

Kinetics and mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 4: Addition of hydrogen iodide to dimethyl ester of acetylenedicarboxylic acid in toluene, chlorobenzene, and hexane. G. F. Dvorko, E. A. Shilov. Kinetika 6 no. 1:37-40 Ja-F '65.

## ACID-RESISTANT MATERIALS

Heating chambers for acid aggressive media with pipes made from ATM-1 graphite plastics. K. D. Loshchikova. Khim. prom. [Ukr.] no. 2:39-40 Ap-Je '65.

## ACIDS

Complex formation of beryllium with certain  $\alpha$ -hydroxy acids. I. F. Kolosova, T. A. Bellavskaya. Zhur. neorg. khim. 10 no. 4:781-771 Ap '65.

Effect of acid concentration on the strength of glass reinforced plastics. I. G. Romanenko, G. S. Abashidze. Plast. massy no. 3:39-41 '65.

Transport numbers in binary systems formed by sulfuric acid with orthophosphoric and monochloroacetic acids. I. U. A. Fialkov, A. N. Zhilomirskii, O. K. Kudra. Zhur. neorg. khim. 10 no. 4:934-938 Ap '65.

## ACIDS, FATTY

Differential capacity of a mercury electrode in solutions of salts of fatty and perfluorinated fatty acids. V. A. Kurnetsov, B. B. Damaskin. Elektrokhimiya 1 no. 4 488-490 Ap '65.

Effect of saturated and unsaturated fatty acids on the composition of lipids in the blood, liver and aorta in experimental atherosclerosis. M. V. Bayina, R. P. Evtugneeva. Vop. pit. 23 no. 6:56-62 N-D '64.

Effect of the degree of saturation of a fatty acid radical on the structure of hydrated Ca-soap in plastic soap gresses. V. V. Shitayn, I. L. Ishchuk, B. N. Kartalin. Koll. zhur. 27 no. 2:264-268 Mr-Apr '65.

Palmitates and stearates of trimethylphosphine oxide. L. P. Zhuravleva, G. L. Butova, A. V. Kirsanov. Zhur. ob. khim. 35 no. 6:895-898 Je '65.

Sorption kinetics of fatty acids and gossypol from cottonseed oil miscella on a EDE-10 anion exchanger. N. U. Rizayev, M. Turanov, A. Abdurakhimov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1 135-137 '65.

## ACIDS, ORGANIC

Certain remarks concerning the applicability of B'etrum and Schatzbach's methods for calculating the constants of dissociation of acids. N. M. Daitlova, I. U. F. Belugin. Trudy IREA no. 25:374-384 '63.

Gas exchange and the formation of organic acids in normal and pathological leucocytes, chronic myeloid leukemia and lymphadenosis. A. G. Stepanenko, O. D. Tshkhorreva, G. V. Deriz. Probl. gemat. i perel. krovi 10 no. 4:20-24 Ap '65.

Magnetochemistry of vanadyl salts with dicarboxylic acids. V. V. Zelentsov, V. T. Kalinikov, M. N. Volkov. Zhur. neorg. khim. 10 no. 6:1506-1507 Je '65.

Quantitative determination of some carboxylic acids and their derivatives. O. N. Karpov. Trudy IREA no. 25:334-342 '63.

Salts forms of cation exchangers and the separation of organic acids. I. K. Tshitovich, E. A. Kenovalova, B. F. Tshichunko. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1 60-61 '65.

State of molybdenum in diluted organic acid solutions. A. V. Lapitskii, Shao Pin'-si [Shao Pin-hsi], L. G. Vlasov. Radiokhimiya 7 no. 2:241-243 '65.

Study of the high-molecular weight acids formed in the oxidation of Gdovsk oil shales. V. A. Proskuriakov, Z. V. Solovchik, V. V. Gromova. Zhur. prikl. khim. 35 no. 4:936-940 Ap '65.

Synthesis of 1,6-disubstituted 3-chloro-5-hexene-1,6-dicarboxylic acids. A. A. Akhmedov and others. Izv. AN Arm. SSR, Khim. nauki 17 no. 6:655-659 '64.

## ACONITASE

Effect of dehydrascorbic acid on the rate of aconitase reaction. N. M. Iul'ia. Uzb. biokhimiya zhur. 36 no. 5:705-710 '64.

## ACONITE

(see also subdivision under Issyk-Kul' Lake region)

Effect of preparations from *Aconitum Fischeri* on the duration of hexenal narcosis. L. A. Filimonova. Trudy Inst. fiziol. AN Kazakh. SSR 7:17-19 '64.

Some data on biology and biochemistry of *Aconitum Fischeri*. S. I. Tshitsina, M. P. Iashchenko, N. S. Kuchinskaya. Trudy Inst. fiziol. AN Kazakh. SSR 7:74-81 '64.

Toxicity and general effect of the preparations from *Aconitum Fischeri*. L. A. Filimonova. Trudy Inst. fiziol. AN Kazakh. SSR 7:20-25 '64.

## ACOUSTIC NERVE

Detection of a useful signal from noise in the neuronal impulse activity of the cochlear nucleus in cats. E. A. Radionova. Zhur. vys. nerv. delat. 15 no. 3:481-490 My-Je '65.

## ACOUSTICAL ENGINEERING

Acoustics in the new dubbing department of the Mosfilm Studio. S. A. Zinger. Tekhn. kino i telev. 9 no. 6 57-61 Je '65.

## ACOUSTICS—DICTIONARIES

Kocherov, N. P., A. A. Rimskii-Korsakov, and V. A. Rimskii-Korsakov, comps. [English-Russian acoustical dictionary] 'Anglo-russkii akusticheskii slovar'. Pod red. A. V. Rimskogo-Korsakova. Moskva, Sovetskaya Entsiklopediya, 1965, 387 p.

## ACQUISITIONS (LIBRARIES)

(see also subdivision under Leningrad; Vladimir)

Collections should be complete with Russian publications of the past. G. I. Puzireva. Bibliot. SSSR no. 26:77-85 '64.

## ACRIDINE ORANGE

Fluorescence of erythrocytes of the peripheral blood under conditions of vital fluorochroming with Acridine Orange. V. A. Kolpakov. Probl. gemat. i perel. krovi 10 no. 4:39-42 Ap '65.

## ACROLEIN

N-Acryloyl-ethyleneimine. R. G. Kostianovskii. Zhur. VKHO 10 no. 2:231-233 '65.

New method of synthesizing copolymer of acrylonitrile with acrolein by the polymer analog conversion method. N. F. Komova and others. Vysokom. soed. 7 no. 4:758 Ap '65.

Obtaining acrolein by means of catalytic oxidation of allyl alcohol. I. M. Sulyma, D. K. Tolopko. Khim. prom. [Ukr.] no. 2:116-18 Ap-Je '65.

Processes and products of the reaction of high-molecular compounds with inorganic salts. Part 5: Physicochemical studies of the reaction of polyacrolein with inorganic salts. I. V. Andreeva, E. M. Rogozina, P. F. Andreev. Radiokhimiya 7 no. 1:83-90 '65.

## ACRYLAMIDE

Use of polyacrylamide in labeling canned fish. E. E. Pigeev. Ryb. khoz. 41 no. 5:100 '65.

Using polyacrylamide in the production of asbestos-cement products. K. N. Nikolaev, T. I. Pogarskaya. Stroim. mat. 11 no. 4:8-10 Ap '65.

## ACRYLIC ACID

Dependence of the block polymerization rate of certain polyester acrylates on the concentration of the initiating agent and temperature. G. V. Kozlov, I. M. Alt'er, L. A. Zhil'tsova. *Plast. massy* no. 3:9-11 '65.

Kinetics of the addition of trimethoxymethane to acrylic acid derivatives in water. S. S. Novikov and others. *Izv. AN SSSR, Ser. khim.* no. 6:1066-1068 '65.

Polyester acrylate emulsions as binders for cellulose fiber materials. A. A. Berlin, V. P. D'yakonova, E. I. Tikhomirova. *Plast. massy* no. 4:55-57 '65.

Reactivity of unsaturated oligo-esters in carbonyl polymerization. T. E. Laptova, V. M. Siderko, V. A. Budnikova. *Vysokom. speed* 7 no. 4:580-585 Ap '65.

Use of furylacrylic acid salts as physiologically active substances. V. P. Batiuk and others. *Khim. prom [Ukr.]* no. 2:34 Ap-Je '65.

Using the continuous method for the production of acrylic chloride. D. K. Tolopko and others. *Khim. prom [Ukr.]* no. 2:14-16 Ap-Je '65.

## ACRYLIC ACID—SPECTRA

Studying the recombination of free radicals of irradiated protein and polymethylmethacrylic acid by the electron paramagnetic resonance and chemiluminescent method. I. L. Sapozhnikov, I. V. Silov, N. M. Emanuel'. *Trudy MOIP, Otd. biol.* 21:102-106 '65.

## ACRYLIC RESINS

Properties of the solution and film formation of solvar and acrylic resins. L. E. Dobrylina, S. A. Pavlov. *Nauch. trudy MTILP* no. 3:96-101 '64.

## ACRYLONITRILE POLYMERS

New method of synthesizing copolymer of acrylonitrile with acrolein by the polymer analog conversion method. N. F. Konova and others. *Vysokom. speed* 7 no. 4:756 Ap '65.

**ACTING—STUDY AND TEACHING** see subdivision under *Odesa*

## ACTINIDE ELEMENTS

Behavior of thorium, protactinium, and uranium during extraction by means of benzohydroxyamic acid and N-benzoylphenylhydroxylamine. N. P. Rudenko, Abel' Gavard Saed, A. V. Lapitskii. *Radiokhimiya* 7 no. 2:142-145 '65.

Complete thermodynamic characteristic of electrode processes involving rare-earth and actinide elements. G. A. Krestov. *Radiokhimiya* 7 no. 1:88-78 '65.

Extraction of thorium, protactinium, and uranium by means of neocupferron. A. V. Lapitskii, N. P. Rudenko, Abel' Gavard Saed. *Radiokhimiya* 7 no. 2:130-142 '65.

## ACTINIUM

Solubility of some actinium compounds. Part 1: Determination of the solubility of actinium oxalate. D. M. Ziv, I. A. Shestakova. *Radiokhimiya* 7 no. 2:166-175 '65.

Solubility of some actinium compounds. Part 2: Determination of solubility and evaluation of the relative basicity of actinium hydroxide. D. M. Ziv, I. A. Shestakova. *Radiokhimiya* 7 no. 2:175-187 '65.

## ACTINOMYCETES

(see also subdivision under *Uzbekistan*)

Antagonistic properties of actinomycetes in soils of the Carpathian mountain region. S. A. Pavlovich. *Antibiotiki* 10 no. 5:414-419 My '65.

Effect of culture fluids of actinomycetes on the eggs of ascarids. L. I. Skripka. *Med. paraz. i paraz. bol.* 33 no. 6:685-690 N-D '64.

Hydrolytic enzymes of actinomycetes and their role in decomposing organic matter in the soil. O. V. Vladymyrov. *Mikrobiol. zhur.* 27 no. 3:81-84 '65.

Studies on the balance and metabolism of amino nitrogen in Actinomycetes spheroides during the process of growth and development. V. S. Fonin, V. A. Soverin. *Antibiotiki* 10 no. 5:405-409 My '65.

## ACTINOMYCETES—CULTURES AND CULTURE MEDIA

Brown group of Actinobifida chromogens. n. ep. N. A. Kraus'nikov, N. S. Agre. *Mikrobiologiya* 34 no. 2:284-291 Mr-Apr '65.

Melanoid pigments in actinomycetes. G. M. Zenova. *Mikrobiologiya* 34 no. 2:278-283 Mr-Apr '65.

Some data on the products of the vital activity of Actinomycetes subsp. as related to the production of albumin by it. I. N. Skvortsova. *Mikrobiologiya* 34 no. 2:245-251 Mr-Apr '65.

## ACTINOMYCIN

Effect of actinomycin on the regeneration of the liver in mice. I. D. Beliaeva. *Blot eksp. biol. i med.* 58 no. 5:91-95 Je '65.

**ACTIONS AND DEFENSES** see subdivision under *Uzbekistan*

**ACTIVATED CARBON** see *Carbon, Activated*

## ACTIVATION ENERGY

Method of determining the excitation energy of molecular ions. L. V. Sumin, M. V. Gur'ev. *Kin. i kat.* 6 no. 1:31-36 Ja-F '65.

Part played by excited particles in branched chain reactions. N. N. Semenov, A. E. Shilov. *Kin. i kat.* 6 no. 1:3-16 Ja-F '65.

## ACTIVITY COEFFICIENTS

Activity coefficients in multicomponent systems. Part 1. V. M. Vdovenko, M. A. Riazanov. *Radiokhimiya* 7 no. 1:39-45 '65.

## ACTOMYOSINS

Change in the form and size of actomyosin particles of striated muscles in ontogeny. G. P. Pinaev. *Biokhimiya* 30 no. 1:20-32 Ja-F '65.

## ACTORS

Eighteen actors talk about themselves. M. Dolinskii, S. Chertok. *Teatr* 26 no. 6:98-102 Je '65.

Four years later. I. Tumanov and others. *Teatr* 26 no. 1:85-89 Ja '65.

Recollections of success. *Teatr* 26 no. 1:103-104 Ap '65.

## ACTORS—CORRESPONDENCE, REMINISCENCES, ETC.

Life and a role (to be continued). Mikhail Zharov. *Teatr* 26 no. 1:61-75 Ja '65.

Life and a role. Mikhail Zharov. *Teatr* 26 no. 3:71-84 Mr '65.

## ACYLASES

Effect of organic acids on the production of penicillin acylase by *Bacterium faecalis alcaligenes*. V. A. Gotovtseva, O. D. Iudina, M. M. Levitov. *Mikrobiologiya* 34 no. 2:216-222 Mr-Apr '65.

## ADAMOV, ARTHUR

Flight from an exclusive circle; on the works of Arthur Adamov. T. Proskurnikova. *Vop. lit.* 9 no. 6:149-170 Je '65.

## ADAPTATION (BIOLOGY)

Adaptation of the pancreas to the type of food. L. S. Fomina, Z. M. Pavlova. *Fiziol. zhur.* 51 no. 5:607-612 My '65.

Structural adaptation of the arterial bed in the esophagus under experimental conditions. V. L. Zoljak. *Arkh. anat. i gist. i embr.* 47 no. 10:56-61 O '64.

Virological and morphological study of the adaptation process of the influenza virus. N. P. Kornushenko, N. A. Makalovich. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:64-70 '64.

## ADAPTIVE CONTROL SYSTEMS

One method for constructing adaptive systems with stabilization of frequency characteristics. V. I. Kuchenko, V. E. Miturina. *Avtom. i telem.* 26 no. 3:475-484 Mr '65.

## ADEN, GULF OF—BACTERIA, HETEROTROPHIC

Distribution of heterotrophic micro-organisms in the Red Sea and the Gulf of Aden. L. M. Trofimova. *Gidrobiol. zhur.* 1 no. 3:24-32 '65.

## ADEN, GULF OF—OCEANOGRAPHY

Brief characteristics of the water masses of the Gulf of Aden and the northern part of the Arabian Sea according to data of the 2d Indian Ocean Expedition of the Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. M. S. Edel'man. *Trudy VNIRO* 57:93-107 '65.

## ADENOIDS

X-ray diagnosis of adenoids. A. M. Faizullin. *Vest. rent. i rad.* 40 no. 1:70-71 Ja-F '65.

## ADENOSINE

Nonenzymic model of the inhibitory action of reagent excess. M. I. A. Feid'man. *Biokhimiya* 29 no. 4:720-727 Ji-Ag '64.

## ADENOSINE DIPHOSPHATES

Properties of methyl ester of P<sup>1</sup>-(adenosine-5')-diphosphate (P<sup>1</sup>-N) phenylalanine. V. G. Shestakov, Z. A. Shabarova, M. A. Prokof'ev. *Biokhimiya* 29 no. 4:690-696 Ji-Ag '64.

## ADENOSINE PHOSPHATES

Effect of ACTH, cortisone and somatotrophic hormone on vascular permeability and leucocyte migration under the effect of adenine nucleotides. R. U. Lipshits. *Probl. endok. i gorm.* 10 no. 5:78-82 S-O '64.

## ADENOSINETRIPHOSPHATASE

Adenosinetriphosphatase activity in mitochondria of *Endomyces magnusii* yeasts. A. V. Kotelnikova, R. A. Zviagil'skaya. *Biokhimiya* 29 no. 4:682-672 Ji-Ag '64.

Effect of the oxidation products of catechol amines on the adenosinetriphosphatase activity of myosin. V. M. Derygov. *Ukr. biokhim. zhur.* 36 no. 5:711-717 '64.

Participation of adenosinetriphosphatase in the motor function of the *Mimosa pudica* leaf. M. N. Ljubimova and others. *Biokhimiya* 29 no. 4:774-779 Ji-Ag '64.

## ADENOVIRUS INFECTIONS

Blood picture in adenovirus diseases. E. E. Klebanova. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:216-222 '64.

Changes in the cardiovascular system in pharyngo-conjunctival fever. E. F. Minluk, T. I. Bushlevskaya. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:233-240 '64.

Pathogenesis of adenovirus diseases. R. S. Drelzin and others. *Vop. virus.* 9 no. 5:618-625 S-O '64.

Study on virus-neutralizing antibodies to adenoviruses in infants. S. V. Fervachenko. *Sbor. nauch. trud. Inst. infek. bol.* no. 1:228-232 '64.

## ADENOVIRUSES

Adenoviruses in respiratory diseases. S. V. Fervachenko. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:213-214 '64.

## ADHESION

Determination of the adhesion of resins to organic fibers with 10 to 40 microns in diameter. G. V. Shiraeva, A. I. Kuilenko, V. L. Karpov. *Plast. massy* no. 3:59-60 '65.

Kinetic analysis of the gluing of the materials for clothing and shoe manufacture by means of various adhesives. Report No. 1. S. S. Vasil'ev, V. S. Mentsov. *Nauch. trudy MTILP* no. 30:120-129 '64.

Necessity of accounting for the adhesive forces in determining the initial rate of entrainment of particles by a flow. Some aspects of the adhesion of powder particles to liquids. A. D. Zimon. *Koll. zhur.* 27 no. 2:193-196 Mr-Apr '65.

## ADHESIVES

Using synthetic adhesives in road construction. V. M. Khrulev. *Avi. dor.* 28 no. 2:21-23 F '65.

Ways of reducing the hardening temperature of heat resistant organosilicon glues. A. B. Davydov, Z. G. Ivanova. *Plast. massy* no. 4:72-74 '65.

## ADHESIVES—TESTING

The VP-3 viscosimeter for the determination of arbitrary viscosity. V. V. Petunov. *Plast. massy* no. 3:63-64 '65.

**ADMINISTRATION OF CRIMINAL JUSTICE** see *Criminal Justice, Administration of*

**ADMINISTRATION OF JUSTICE** see *Justice, Administration of*

**ADMINISTRATIVE ACTS** see subdivision under *Omak*

## ADMINISTRATIVE LAW

The economic law of the Soviet state. A. Koslitsyn, V. Laptov. *Kommunist* 42 no. 10:88-94 Ji '65.

## ADRENAL CORTEX

Biosynthesis of 17-hydroxy- and 17-deoxycorticosteroids by the homogenates of the pig adrenal cortex from 4-C<sup>14</sup>-progesterone, 21-C<sup>14</sup>-pregnenolone and 4-C<sup>14</sup>-pregnenolone. N. A. Iudava, I. A. Pankov. *Biokhimiya* 29 no. 4:707-715 Ji-Ag '64.

Comparative characteristics of the functional state of the adrenal cortex in some groups of mental patients of involuntal age. T. N. Nedbalova. *Zhur. nev. i psikh.* 65 no. 6:888-893 '65.

Functional state of the adrenal cortex before and following surgery in cancer of the cervix uteri. B. A. Agnev. *Vop. onk.* 11 no. 1:21-24 '65.

Functional state of the adrenal cortex in hyperacid gastritis, gastroduodenitis and gastric ulcer. F. V. Andrukhiv. *Sov. med.* 28 no. 4:27-30 Ap '65.

Glucocorticoid function of the adrenal cortex in patients with multiple sclerosis. G. V. Abramchik. *Dokl. AN BSSR* 9 no. 3:205-207 Mr '65.

Substances blocking the function of the adrenal cortex. V. P. Komisarenko, K. P. Zak. *Probl. endok. i gorm.* 10 no. 4:108-118 Ji-Ag '64.

## ADRENAL CORTEX—ABNORMALITIES AND DEFORMITIES

Mechanism of depressed sexual development in women with congenital virilizing adrenocortical hyperplasia. L. L. Liberman and others. *Probl. endok. i gorm.* 10 no. 4:13-17 Ji-Ag '64.

## ADRENAL CORTEX—DISEASES

Acute adrenocortical insufficiency following excision of a giant cyst of the adrenal gland and an adrenocortical cyst of the small intestine. B. M. Gershan, M. S. Tverdynin. *Probl. endok. i gorm.* 10 no. 4:68-70 Ji-Ag '64.

Role of X-ray examination of the adrenal glands in Itsenko-Cushing syndrome, diencephalic syndrome following the course of Itsenko-Cushing syndrome and adrenocortical syndrome. L. A. Perepust. *Probl. endok. i gorm.* 10 no. 5:58-61 S-O '64.

## ADRENAL GLANDS

Seasonal variations in the cholesterol content of the adrenal glands in rats. K. A. Tretyakova. *Blot eksp. biol. i med.* 59 no. 6:82-84 Je '65.

## ADRENAL GLANDS—BLOOD SUPPLY

Plastic properties of the arterial bed in the adrenal gland. N. V. Dolishnii. *Arkh. anat., gist. i embr.* 47 no. 10:62-67 O '64.

## ADRENAL GLANDS—DISEASES

Histological structure of the ovaries in adrenogenital syndrome. L.V. Golubeva. Probl. endok. i gorm. 10 no. 5:55-58 S-O '64.  
Pheochromocytoma. T.V. Miagkova. Probl. endok. i gorm. 10 no. 5:52-53 S-O '64.

## ADRENAL GLANDS—EXCISION

Content of various forms of ascorbic acid in the tissues of epinephrectomized animals. J.F. Shamrai, O.M. Ivanova, O.M. Platonov. Ukr. biokhim. zhur. 37 no. 2:260-273 '65.

## ADRENAL GLANDS—INNERVATION

Effect of denervation of the adrenal glands on the level of blood lipids and the extent of morphological changes in the aorta of rabbits with atherosclerosis. I.E. Ganelina. Pat. fiziol. i eksp. terap. 8 no. 6:7-10 N-D '61.

## ADRENALINE

Edematogenous effect of adrenaline decomposition products. A.Kh. Kogan, M.R. Lichinitser. Pat. fiziol. i eksp. terap. 8 no. 6:70-79 N-D '64.

## ADRENALINE—PHYSIOLOGICAL EFFECT

Changes in the arterial pressure and cardiac rhythm in dogs following introduction of adrenaline. R. Looga, M. Kull, L. Looga. Fiziol. zhur. 51 no. 5:564-571 My '65.

Changes in the electrical activity of the hypothalamus following stimulation of a sensory nerve and introduction of adrenaline. A.V. Tonkikh, A.I. Il'ina, S.P. Toplov. Fiziol. zhur. 51 no. 8:755-761 Je '65.

Changes in the velocity of the blood stream in the cortical and medullary layers of the kidney in introduction of adrenaline and compression of the trachea. L.A. Lugovoi. Biol. eksp. biol. i med. 50 no. 6:20-23 Je '65.

Effect of adrenaline on the nervous mechanisms of the orienting reflex. E.A. Kostandov. Zhur. vys. nerv. deiat. 14 no. 8:975-983 N-D '64.

## ADRENERGIC MECHANISMS

Effect of temperature on the kinetics of the adrenergic reaction. B.N. Manukhin. Biokhimiya 30 no. 1:7-11 Ja-F '65.

## ADRENOCORTICAL HORMONES

Biosynthesis of corticosteroids by adrenal glands of rat embryos. T.S. Sakhtskala. Probl. endok. i gorm. 10 no. 5:67-70 S-O '64.

Biosynthesis of 17-hydroxy- and 17-deoxycorticosteroids by the homogenates of the pig adrenal cortex from 4-C<sup>14</sup>-progesterone, 21-C<sup>14</sup>-pregnenolone and 4-C<sup>14</sup>-pregnenolone. N.A. Iudnev, I.U. A. Pankov. Biokhimiya 29 no. 4:707-715 Ji-Ag '64.

Content of adrenocorticotrophic hormone in the pituitary body of rats in various stages of embryonic development. I.U. A. Skebel'skaya. Probl. endok. i gorm. 10 no. 5:74-77 S-O '64.

In vitro dehydrogenation of 11- $\beta$ -hydroxycorticosteroids in the presence of adrenosterone. K.V. Druzhnina. Biokhimiya 30 no. 1:81-87 Ja-F '65.

Methodology for the detection of ketosteroids in the cortical substance of the adrenal gland. A.IU. Truppiy'd. Arkh. anat., gist. i embr. 48 no. 4:86-90 Ap '65.

Participation of insulin and glycocholic acids in the regulation of cholesterol metabolism. L.E. Panin. Biol. eksp. biol. i med. 50 no. 6:58-62 Je '65.

Study of transaminases and 17-hydroxycorticosteroids in the urine of patients with oxaluria treated with radioactive phosphorus. A.L. Kozyrova, I.U. F. Shecherbak, I.U. A. Dashkevskii. Trudy TSU 71:128-131 '64.

Uropigment content in the urine and 17-hydroxycorticosteroid content in the blood plasma in thoracic surgery. M. P. Romankova, V. E. Ryzhenkov. Vest. khir. 93 no. 11:43-48 N '64.

## ADRENOCORTICAL HORMONES—SIDE EFFECTS

Complications of corticosteroid therapy. G.A. Litvakovskaya, P.A. Spasetskaya. Vest. rent. i rad. 40 no. 2:20-23 Mr-Ap '66.

## ADRIATIC SEA—BENTHOS

Some data on benthos of the Adriatic Sea. M.I. Kiseleva. Trudy SBS 17:28-30 '64.

## ADRIATIC SEA—BIOTIC COMMUNITIES

Undergrowth forming biocenoses of the Adriatic Sea. E. B. Makhayeva. Trudy SBS 17:38-47 '64.

## ADRIATIC SEA—CALANOIDA

A new species of Copepoda (Calanoida) from the Adriatic Sea. A.A. Shmeleva. Zool. zhur. 44 no. 5:768-770 '65.

## ADRIATIC SEA—SUBMARINE GEOMORPHOLOGY

Submarine geomorphological explorations on the Dalmatian seashore. V. P. Zonkovich, P. A. Kaplin. Izv. AN SSSR. Ser. geog. no. 3:18-34 My-Je '65.

## ADSORPTION

Adsorption of sulfide ions at the mercury - solution interface. B.A. Kiselev, S.I. Zhdanov. Elektrokhimiya 1 no. 2:159-163 F '65.

Adsorption peaks of organic substances at small bulk concentration of adsorbate. G.A. Todoradze, I.A. M. Zolotovskii, G.A. Todoradze, I.A. M. Zolotovskii. Elektrokhimiya 1 no. 2:201-205 F '65.

Determination of the adsorption characteristics of organic compounds on a mercury electrode from polarographic charging currents. S.G. Mal'ranovskii. Elektrokhimiya 1 no. 2:164-169 F '65.

Effect of the adsorption of foreign ions and molecules on the oxidation rate of organic substances on a platinum electrode. O.A. Khazova, I.U. B. Vasil'ev, V.S. Bagotakii. Elektrokhimiya 1 no. 4:439-445 Ap '65.

Electron paramagnetic resonance spectra generated in the adsorption of oxygen on rutile. V.M. Mastikhin, L.M. Kefeli, N.P. Kofei. Khim. i kat. 6 no. 1:180-181 Ja-F '65.

Impedance of the electrode - solution interface in the case of a simultaneous adsorption of two substances. E.D. Belokobov. Elektrokhimiya 1 no. 4:498-502 Ap '65.

Mechanism of adsorption and isotope exchange of CO<sub>2</sub> on MgO and Mg(OH)<sub>2</sub>. O.V. Krylov and others. Khim. i kat. 6 no. 1:128-136 Ja-F '65.

New trends in sorption techniques. T.G. Plachenov. Izv. AN SSSR. Ser. khim. no. 6:968-975 '65.

Relation between the adsorption of cations and anions on platinum from acid solutions at different potentials. N.A. Balashova, V.D. Kazarnov. Elektrokhimiya 1 no. 5:512-516 My '65.

Some regularities of the adsorption of macromolecules from solutions. I.U. S. Lipatov, L.M. Sergeeva. Koll. zhur. 27 no. 2:217-223 Mr-Ap '65.

## ADULT EDUCATION

People's university of physicochemical knowledge. O.M. Bolotekrovskii, L.M. Dubnikov. Vest. vys. shkoly 23 no. 6:60-72 Je '65.

## ADVERTISING—AERONAUTICS, COMMERCIAL

(see also subdivision under Khabarovsk)  
Attention! An advertisement. I. Nesterenko. Grazhd. av. 19 no. 6:22 Je '62.

## ADVERTISING—BOOKS

On a blue screen. M. Podgorodnikov, N. Fomina. Knizh. torg. 16 no. 3:32-33 Mr '65.  
Planning of advertisements. V. Rebitskii. Knizh. torg. 16 no. 3:31 Mr '65.

## ADYGE—SOCIAL LIFE AND CUSTOMS

Remnants of the dual organization among the Adyghe (Circassians) in the first half of the 19th century. V.K. Gardanov. Sov. etn. no. 3:27-52 My-Je '64.

## ADZHARISTAN—JUVENILE DELINQUENCY

Intensify the struggle against juvenile delinquency. I. Vachadze. Sots. zakon. 42 no. 8:38-39 Je '65.

## AEQVILU—NELLJARVE (ESTONIA)—DESCRIPTION AND TRAVEL

Saar, Aem. Aeqvildu-Nelljarve. Tallinn, Eesti Riiklik Kirjastus, 1958. 47 p., illus. [In Estonian]

## AERIAL BOMBING see Bombing, Aerial

## AERIAL PHOTOGRAMMETRY

Use of a 4-8 time enlargement of a photograph in aerial photographic surveying. V.F. Deineko. Trudy Giprovdokhoza no. 25:29-37 '63.

## AERIAL PHOTOGRAMMETRY—EQUIPMENT AND SUPPLIES

Urmaker, L.S. [Optics of photographic and aerial photogrammetric apparatus] Optika fotograficheskikh i aerofotogrammetricheskikh priborov. Izd. 2., perer. 1 dop. Moskva, Nedra, 1965. 239 p.

## AERODYNAMICS, HYPERSONIC

Hypersonic gas flow about a thick cone. A.M. Antonov, I.U. V. Zavadskii. Prikl. mekh. 1 no. 4:92-96 '65.

## AERODYNAMICS, SUPERSONIC

Determining the resistance of a plane plate under a zero angle of attack in a supersonic flow of a rarefied gas. V.A. Sukhnev. Izv. AN SSSR. Mekh. no. 2:171-174 Mr-Ap '65.

## AERODYNAMICS, TRANSONIC

Flow through sonic speeds in channels with uniform cross section under the effect of heat exchange and friction. V.V. Usanov. Trudy VNIIMASH no. 9:136-143 '65.  
Studying heat exchange and resistance at near-sonic speeds. A.F. Gandel'man, V.V. Usanov, L.N. Naumits. Trudy VNIIMASH no. 9:125-137 '65.

## AERONAUTICAL SPORTS

Arbitrary complex. V. Pliskunov. Kryl. rod. 16 no. 5:12-13 My '65.

Decoration of the motherland. Kryl. rod. 16 no. 5:11 My '65.

Diplomas of the International Aeronautical Federation for collectives. Kryl. rod. 16 no. 5:31 My '65.

Our suggestions. N. Kotov. Kryl. rod. 16 no. 5:21 My '65.

Table of world aviation records as of January 1, 1965. Kryl. rod. 16 no. 5:insert i-16 My '65.

## AERONAUTICS

(see also subdivision under Poland)

Air miscellany. Kryl. rod. 16 no. 5:29 My '65.

AERONAUTICS—EXHIBITIONS see subdivision under Paris

## AERONAUTICS—FLIGHTS

A remarkable flight. V. Privalov. Grazhd. av. 19 no. 6:9 Je '62.

## AERONAUTICS—STUDY AND TEACHING

Expenses are decreased, flying time is increased. P. Kiselev. Kryl. rod. 16 no. 5:14-16 My '65.

## AERONAUTICS, COMMERCIAL

(see also subdivision under Great Britain; Khabarovsk; Malt, Maritime Territory; Siberia, Western, Tyumen' Province; White Russia; Yuzhno-Sakhalinsk, Sakhalin)

Decline days. Grazhd. av. 19 no. 6:1 Je '62.

Each route a model one! Grazhd. av. 22 no. 6:4-6 Je '65.

For spring-summer navigation. N. Klavin and others. Grazhd. av. 22 no. 6:5 My '62.

It's the same way with us. V. Samokhin. Grazhd. av. 19 no. 6:7 Je '62.

Labor organizations should be on a scientific basis. Grazhd. av. 22 no. 6:1 Je '65.

On the night shift. A. Proshin. Grazhd. av. 22 no. 6:10 Je '65.

Toward the sun. L. Malanchev, E. Maksimov. Grazhd. av. 19 no. 5:6-7 My '62.

Turning over the pages of a complete set of "Pravda." P. Smurov. Grazhd. av. 19 no. 5:2-3 My '62.

Two sides of one problem. V. Lushvin. Grazhd. av. 22 no. 6:7-9 Je '65.

## AERONAUTICS, COMMERCIAL—FINANCE

By airplanes of all types. I. Borisov. G. Vasin. Grazhd. av. 22 no. 6:25 Je '65.

Controls of economic effectiveness. A. Goryshkov. Grazhd. av. 19 no. 5:12-13 My '62.

Important source of economy. I. Turkin. Grazhd. av. 19 no. 6:18-19 Je '65.

## AERONAUTICS, COMMERCIAL—FREIGHT

When the freight is opened. V. Zhebrak. Grazhd. av. 19 no. 6:28 Je '62.

## AERONAUTICS, COMMERCIAL—STUDY AND TEACHING (see also subdivision under Riga)

...and service is service. A. Molchanov. Grazhd. av. 22 no. 6:14-15 Je '65.

Theoretical futures. A. Klabidin. Grazhd. av. 22 no. 6:22-23 Je '65.

## AERONAUTICS, COMMERCIAL—TECHNOLOGICAL INNOVATIONS

Technical novelties. Grazhd. av. 22 no. 6:27 Je '65.

## AERONAUTICS, MILITARY

(see also subdivision under Bulgaria)

Role of aviation in combat operations at sea under modern conditions. S.A. Gullayev. Moa. sbor. 48 no. 6:36-43 Je '65.

## AERONAUTICS, MILITARY—STUDY AND TEACHING

Improve the operational and tactical training of the flying personnel. M.V. Dmitriev. Mor. sbor. 48 no. 4:60-65 Ap '65.

## AERONAUTICS IN AGRICULTURE

In the interests of agriculture. Grazhd. av. 22 no. 6:1 Je '65.

New weapon of agricultural aviation. V. Kontar'. Grazhd. av. 19 no. 6:5-6 Je '62.

Planes go out along the dew... E. Maksimov. Grazhd. av. 19 no. 6:15-16 Je '62.

## AERONAUTICS IN AGRICULTURE—CONGRESSES

Conference of aviators. N. Kirpichnikova. Zashch. rast. ot. vred. i bol. 10 no. 4:54-55 '65.

## AERONAUTICS IN GEOLOGY

A helicopter with the geologists. I.U. Ruzhakov. Grazhd. av. 22 no. 6:9 Je '65.

## AERONAUTICS IN THE PETROLEUM INDUSTRY see subdivision under Tyumen' Province

## AEROSOL THERAPY

Treatment of chronic nonspecific pneumonia and bronchial asthma with aerosol inhalations. I.T. Mal'isev, A.N. Mel'nik, N.A. Voronina. Sov. med. 28 no. 4:76-79 Ap '65.

## AEROSOLS

- Determination of Be<sup>7</sup> in the samples of atmospheric aerosols and in precipitates in the presence of fission products. L. I. Gidomo, O. A. Rylov, N. A. Susorova. Radiotekhnika 7 no 2 254-255 '65.
- Experimental study of polydispersed bacterial aerosols. Report No. 2. Determination of basic parameters of the polydispersed system for calculating the survival of aerosols of pathogens. V. P. Zhalko-Titarenko, Zhur. mikrobiol., epid. i immun. 42 no 1 123-129 Ja '65.
- Experimental study of polydispersed bacterial aerosols. Report No. 3. Study of the aerosols of diphtheria bacilli. V. P. Zhalko-Titarenko, Zhur. mikrobiol., epid. i immun. 42 no 2 68-73 F '65.
- Methodology of experimental streptococcal aerosol. E. P. Smel'nikov, Zhur. mikrobiol., epid. i immun. 42 no 1 120-123 Ja '65.
- Two-sided films formed from solutions of aerosol MA with relative additions. K. V. Zotova, A. A. Trapczni-ko, Khol. zhur. 27 no 2 197-202 Mi-Ap '65.

## AESTHETICS

- Materialistic aesthetics and physical education (to be continued). A. P. Rodionov. Teor. i prakt. fiz. kul't. 28 no 6 17-41 Je '65.
- Portraiture and expression in art. V. Vanslov. Iskustvo 23 no 4 13-17 '65.
- Some problems of technical aesthetics. S. Valerius. Iskustvo 28 no 4 28-32 '65.

## AESTHETICS—STUDY AND TEACHING

- Aesthetic training in chemistry classes. N. I. Chepurnov. Svod. zets. obr. 12 no 2 42-44 F '65.
- Goal initiative. A. Stroeva. Nar. obr. no 6 73-74 Je '65.
- Let's train their sense of beauty. L. Strigina. Doshk. vosp. 38 no 6 61-83 Je '65.
- Theory and practice of the artistic creativeness of children. N. Veliugina. Doshk. vosp. 38 no 5 6-10 My '65.

## AFANAS'EV, LEONID VIKTOROVICH, 1921-

- Memory of the heart. L. Mikhailova. Sov. muz. 29 no 5 141-143 My '65.

## AFFORESTATION see subdivision under Kamchatka, Zerkavshan Valley

## AFGHAN LANGUAGE—VERB

- Usage of verbs of the passive voice in literary Afghan. A. G. Ganiev. Nauch. trudy TashGU no 247. Filol. nauki no 28 19-31 '64.

## AFGHAN LANGUAGE—VOICE

- Usage of verbs of the passive voice in literary Afghan. A. G. Ganiev. Nauch. trudy TashGU no 247. Filol. nauki no 28 19-31 '64.

## AFGHANISTAN

- Afghanistan. N. I. Chernokhovskaya. Strany Blizh. i. Sred. Vost. no 1 13-21 '64.

## AFGHANISTAN—DESCRIPTION AND TRAVEL

- Afghanistan and its artists. B. Veimarn. Iskustvo 28 no 3 40-44 '65.

## AFGHANISTAN—ECONOMIC ASSISTANCE, AMERICAN

- Why the Americans are in no hurry. V. Mur'ev. Az. i Afr. seg. 8 no 6 44-45 Je '65.

## AFRICA—ENGLISH NEWSPAPERS

- Drums of anticomunism. M. Panchenko. Az. i Afr. seg. 8 no 6 42-43 Je '65.

## AFRICA—HISTORY

- Du Bois, William Edward Burghardt. [Africa; an essay on the history of the African Continent and its inhabitants. Translated from the English]. Afrika; ocherk po istorii afrikanskogo kontinenta i ego obitatelei. Pod red. i so vsup. stat'ei I. I. Potekhina. Moskva, Izd-vo inostr. lit-ry, 1961. 356 p. (MI)

## AFRICA—HISTORY—STUDY AND TEACHING

- The teaching of modern and recent history of the countries of Asia and Africa. S. Livshits. Nar. Az. i Afr. no 3 88-92 '65.

## AFRICA—INVESTMENTS, FOREIGN

- Foreign monopolies and the deposits of rare metals in Africa. A. V. Rozhanets. Nar. Az. i Afr. no 3 147-149 '65.

## AFRICA—INVESTMENTS, FRENCH

- French state-monopoly capitalism and colonial policy. V. Lubimova. Mir. ekon. i mezhdunar. otn. no 7 28-42 '65.

## AFRICA—METALS, RARE AND MINOR

- Foreign monopolies and the deposits of rare metals in Africa. A. V. Rozhanets. Nar. Az. i Afr. no 3 147-149 '65.

## AFRICA—PEASANTRY

- The African village. V. Iordanskil. Nov. vrem. 23 no 28 18-20 Ji '65.

## AFRICA—POLITICS

- Attacks against African unity. I. A. Etinger. Mezhdunar. zhizn' 12 no 7 36-43 Ji '65.
- A continent is attaining manhood in struggle for Africa. Liberation Day. Agitator 33 no 9 60-61 My '65.

## AFRICA—PROPAGANDA, ANTICOMMUNIST

- Drums of anticomunism. M. Panchenko. Az. i Afr. seg. 8 no 6 42-43 Je '65.

## AFRICA—THEATER

- From the Avon to the Zambezi. I. Ilakov. Tenh. 26 no 6 167-168 Je '65.

## AFRICA, NORTH—LABOR AND LABORING CLASSES

- Some specific features of the formation of the working class in the Maghreb countries. B. A. Shabacov. Nar. Az. i Afr. no 3 3-14 '65.

## AFRICA, SOUTH—RACE DISCRIMINATION

- The defendant is a Prime Minister. T. Talrov. Mezhdunar. zhizn' 12 no 7 114-115 Ji '65.

## AFRICA, WEST—CONTINENTAL SHELF

- The waters of the continental shelf of West Africa. N. M. Bessanov. Mor. sbor. 18 no 4 68-75 Ap '65.

## AFRICAN AND MALAGASY UNION

- Crisis in the Afro-Malagasy Organization. I. U. B. Nov. vrem. 23 no 29 19 Ji '65.

## AFRICAN STUDIES

- Trends in the work of the African Institute. Vest. AN SSSR 35 no 5 16-20 My '65.

## AFRICAN SWINE FEVER

- Pathoanatomical changes in African swine fever. I. A. R. Kovalenko, L. G. Baiba, M. A. Sidorov. Veterinarnia 41 no 6 35-40 Je '64.

## AGE

- Age determination in Ochotona rutila and O. macrotis. A. D. Bernshein, G. A. Klevetzal'. Zool. zhur. 44 no 5 787-788 '65.
- Digestibility of cellulose in the rumen of ruminants in connection with their age. T. U. Izmailov, A. Uraz-galiev. Izv. AN Kazakh SSR Ser. biol. nauk 3 no 1 103-105 Ja-F '65.

## AGED—CARE AND HYGIENE

- Health "Spartakiads." K. V. Popova, S. L. Privis. Teor. i prakt. fiz. kul't. 27 no 3 66-69 Mr '65.

## AGGLUTINATION

- Preparation of whey for carrying out the agglutination reaction for brucellosis. F. P. Lokteva, Veterinarnia 42 no 6 95 Je '65.

## AGGLUTININS

- Effect of some complex compounds of trace elements on the phagocytic activity of leucocytes and the formation of agglutinins in non-irradiated and irradiated rabbits. A. I. Nikolaev, Kh. R. Mukhamedzhanov, S. M. Khalifaev, Zhur. mikrobiol., epid. i immun. 42 no 2 90-95 F '65.
- Formation of postvaccinal paratyphoid agglutinins in calves. T. P. Malinina. Veterinarnia 41 no 4 33-34 Ap '65.

## AGGREGATES

- Cycles and structure of continuous mapping. A. N. Shar-kovskii. Ufa mat. zhur. 17 no 3 104-111 '65.
- Determination of arithmetical operations in Ackermann's model. Jan Mycielski. Alg. i log. 3 no 5 64-65 '64.
- Reducibility of decidability problems of denumerable sets to separability problems. A. A. Muchnik. Izv. AN SSSR, Ser. mat. 29 no 3 717-724 '65.

## AGGREGATES (BUILDING MATERIALS)

- (see also subdivision under Caucasus, Northern)
- Some characteristics of the selection of the constituents of lightweight concrete with porous filler. A. I. Timofeev. Izv. vys. ucheb. zav., stroi. i arkhit. 8 no 2 62-68 '65.
- Stressed state of the filler during its outflow from a square silo. Q. V. Lebedev, S. F. Solov'ykh. Izv. vys. ucheb. zav., stroi. i arkhit. 8 no 2 153-159 '65.

## AGING

- Characteristics of the polarization of the cerebral cortex according to the degree of impedance and demarcation potential in dogs of various ages. I. I. Gokhlit. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 35-36 '64.
- Nature of spinal inhibition in dogs of various ages. T. A. Adzhimolava. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 3-5 '64.
- Problem of humoral immunity in various age groups of the population. L. N. Rybinskaya. Sbor. nauch. trud. Inst. infek. bol. no 4 40-53 '64.

## AGLINTSEV, KONSTANTIN KONSTANTINOVICH, 1905-

- In memory of Konstantin Konstantinovich Aglintsev. Radiotekhnika 7 no 1 129-130 '65.

## AGRANULOCYTOSIS

- Croupous pneumonia and agranulocytosis. G. A. Surovskii. G. S. Marmolevskain. Sov. med. 76 no 4 74-76 Ap '65.

## AGRICULTURAL ADMINISTRATION

- (see also subdivision under Dagestan Province)
- Increasing the role of the Ministry of Agriculture in agricultural production. M. N. SSSR 39 no 6 91 Je '65.

## AGRICULTURAL CHEMICALS

- Use of furoylacetic acid salts as physiologically active substances. V. P. Butuk and others. Khim. prom. [Ukr.] no 2 31 Ap-Je '65.

- Zhuravlev, V. A., and P. N. Kilashko. [Basis of crop yields]. Nauch. urozhain. Moskva, Izd-vo "Znanie," 1965. 45 p. (Novoe v zhizni, nauka, tekhnika, X Sbornik Molodezhnaya, no 6)

## AGRICULTURAL CHEMISTRY

- Libraries of the country assist in the chemicalization of the national economy. The V. I. Lenin State Library of the U.S.S.R., the Moscow Province Library, the medical libraries of the West Ural Economic Council, libraries of Kalinin Province, the Voronezh Province Library. Bibliot. SSSR no 2 33-28 '64.

## AGRICULTURAL COLLEGES see subdivision under Tashkent

## AGRICULTURAL CREDIT

- (see also subdivision under Vologda Province; White Russia)
- Long-term credit and strengthening the economy of collective farms. S. Nosyrov. Den. i kred. 23 no 6 34 37 Je '65.

## AGRICULTURAL IMPLEMENTS

- Combined system of the automatic regulation of the running depth of tractor-driven tillage implements. A. P. Iofinov. Zap. Len. sel'khoz. inst. 85 177-182 '61.

## AGRICULTURAL JOURNALISM see Journalism, Agricultural

## AGRICULTURAL MACHINERY

- (see also subdivision under Kirov Province)
- Acceleration of tractor-drawn machinery units with a flexible coupling. N. A. Tokarev, Sbor. rab. po mekh. i elektr. sel'khoz. proizv. no 6 48-54 '64.
- Concern of the whole party and of the whole Soviet people. Trakt. i sel'khoz. mash. i orud. no 6 1-2 My '65.
- Karpenko, A. N., and A. A. Zolotarev. [Agricultural machinery]. Sel'skokhoziaistvennye mashiny. Moskva, Kolos, 1965. 398 p. (Uchebniki i uchebnye posobie dlia vysshih sel'skokhoziaistvennykh uchelnykh zavedenii) (DNAL)

- Pechnikov, B. M., and E. F. Gossan. [New agricultural machinery for erosion control and its adjustment]. Protivorozhnaya tekhnika i ee regulirovka. Tselinograd, Red. izd-va "Kolos" po tselinnyu raznoyu, 1964. 22 p.

(DNAL. MICROFILM)

- "Running field." V. A. Prokopenko. Sred. spets. obr. 12 no 3 18-19 Mr '65.

## AGRICULTURAL MACHINERY—ABSTRACTS

- [Tractors and agricultural machinery and equipment]. Ref. zhur.; Trakt. i sel'khoz. mash. i orud. no 6 '65.

## AGRICULTURAL MACHINERY—CONGRESSES

- Conference on problems of the quality and durability of agricultural machinery in Rostov-on-Don. A. N. Volda. Trakt. i sel'khoz. mash. i orud. no 6 46-47 My '65.

## AGRICULTURAL MACHINERY—DYNAMICS

- Studying mushroomlike turns. V. I. Berakovsky. Zap. Len. sel'khoz. inst. 85 108-117 '61.

## AGRICULTURAL MACHINERY—ECONOMIC ASPECTS

- Effective increase of the working speed of tractor-drawn machinery units. A. G. Likhut. Sbor. rab. po mekh. i elektr. sel'khoz. proizv. no 6 63-67 '63.

## AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

- (see also subdivision under Donetsk Province; Kherson Province)
- Electric welding equipment for repairing machines in the field. I. Karasas, M. Paramonov. Tekhn. v sel'khoz. 25 no 6 88-90 My '65.

## AGRICULTURAL MACHINERY—PARTS

- Heat treatment of thin, flat, circular disks. A. M. Trus'. Metalloved. i term. obr. met. no 4 55-56 Ap '65.

## AGRICULTURAL MACHINERY—STATISTICS

- Machines in agriculture. N. Rydvanov. Mir. ekon. i mezhdunar. otn. no 7 156-158 '65.

## AGRICULTURAL MACHINERY—TESTING

- Mobile tensiometric laboratory. V. P. Ustimenko. Sbor. rab. po mekh. i elektr. sel'khoz. proizv. no 6 98-101 '63.

## AGRICULTURAL MACHINERY—TRANSMISSION DEVICES

Probing the durability of a chain transmission. V. V. Usov. *Shor. rab po mekh. i elekt. sel'khoz. stroit.* no. 6:5-62 '63.

## AGRICULTURAL MACHINERY—WELDING

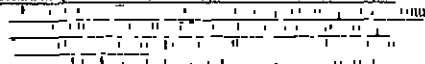
Conference on the mechanization of welding operations in agricultural machinery construction. V. A. Volkov, T. K. Vakar. *Svar. proizv.* no. 4:46 Ap '65.

Welding and hard facing by friction of agricultural machinery parts. R. I. Zakson, F. G. Turukin. *Avtom. svaz.* 18 no. 3:48-50 Mr '65.

## AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

## AGRICULTURAL PESTS

Russia (1923- U. S. S. R.) Ministerstvo sel'skogo



report for the period 1937 through 1959] Vrediteli, bolezni i sorniki, obnaruzhennyye v importnykh rastitel'nykh gruzakh. Vsesoluznaya svodka s 1937 po 1959 g. Moskva, Kolos, 1964. 813 p.

[DNAL MICROFILM]

## AGRICULTURAL POLICY

(see also subdivision under Germany; Kenya)

Concern of the whole party and of the whole Soviet people. *Trakt i sel'khoz. mash.* no. 5:1-2 My '65.

In accordance with the decisions of the Plenum.

Agitation 33 no. 9:10-13 My '65

Lenin's policy of the intensification of agriculture. P. A. Ignatovskii. *Vop. is. KPSS* 9 no. 7:11-22 JI '65

## AGRICULTURAL RESEARCH

Science as an important sector of the ideological front. *Vest. sel'khoz. nauk* 0 no. 8:1-4 Ag '63

## AGRICULTURAL WAGES see subdivision under Estonia

## AGRICULTURAL WORKERS—EDUCATION AND TRAINING see subdivision under Ukraine

## AGRICULTURE

(see also subdivision under Azov Sea region; Central Chernozem region; Kazakhstan; Lvov Province; Tiumen, Krasnoyarsk Territory; Ukraine, Vietnam, North)

Be daring, be creative! Aleksandra Krivitskaia.

Oktyabr' 42 no. 8:179-181 Je '65.

Further progress in agriculture and problems of the gas industry. *Gaz. prom.* 10 no. 5:1-2 '65.

In the course of a radical reorganization. I. T. Varentsua.

*Vest. sel'khoz. nauk* 0 no. 8:18-28 Ag '63

In the national interest. *Sov. iust.* 20 no. 8:4-5 Ap '65

Let us fulfill the decisions of the March Plenum of the Central Committee of the CPSU. *Zemledelie* 27 no. 4:3-6 My '65.

Put the decisions of the Plenum in practice! *Zashch. iust. ot vied. i boi* 10 no. 5:1 '65

The upswing of agriculture is a nation-wide task. *Sakh. prom.* 10 no. 5:1-6 My '65.

Water balance and harvest. M. I. L'vovich. *Izv. AN SSSR. Ser. geog.* no. 3:35-47 My-Je '65.

Why aren't field histories kept? V. Rubtsov. *Zemledelie* 27 no. 5:86 My '65.

## AGRICULTURE—ACCOUNTING

Danilov, A. A. [Capital assets and their accounting in agricultural enterprises] *Osnovnye sredstva i ikh uchët v sel'skokhoziaistvennykh predpriyatiakh*, Moskva, Kolos, 1965, 174 p.

## AGRICULTURE—AUDITING AND INSPECTION see subdivision under Moscow Province

## AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

## AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under Burma; Germany; Germany, West; Moldavia; Ukraine; United States)

Belichenko, P. P. [Arithmetic of yields] *Arifmetika urozhai, Moskva, Izd-vo "Znanie," 1965, 79 p.* [Narodnyi universitet: Sel'skokhoziaistvennyi fakul'tet, no. 4]

Gstaalun, A. M. [Prime cost and aggregate labor input in the management of farm output] *Sobestnost' i sovopkurnye zatraty tuda v proizvodstve sel'skokhoziaistvennoi produktii*, Moskva, Ekonomika, 1965, 187 p.

## AGRICULTURE—EXPERIMENTATION

Experiments in urban schools. S. Shechukin. *Nar. obr.* no. 6:84-85 Je '65.

## AGRICULTURE—FINANCE

(see also subdivision under Kirghizistan)

Urgent measures for the development of agriculture. *Den. i kred.* 23 no. 5:3-7 My '65.

## AGRICULTURE—HYGIENIC ASPECTS see subdivision under Stavropol Territory

## AGRICULTURE—STATISTICS

Bidli, A. I. [General and agricultural statistics] *Obshchaya i sel'skokhoziaistvennaya statistika*, Moskva, Kolos, 1965, 302 p. (Uchebnyi i uchebnye posobiya dlia sel'skokhoziaistvennykh tekhnikumov)

## AGRICULTURE—STUDY AND TEACHING

What specialists should be trained in agricultural technical schools. N. G. Aleksandrov. *Sred. spets. obr.* 12 no. 2:11-14 F '65.

## AGRICULTURE, COOPERATIVE see subdivision under France; Germany, West; Great Britain; Korea, North

## AIMORES see Botocudo Indians

## AIR

Determining air content of viscose. A. I. Virzub, M. A. Ginzberg. *Khim. volok.* no. 2:57-58 '65.

## AIR—COOLING

Study of the operation of a water evaporating system for preliminary air cooling using external parameters. S. A. Papisov. *Izv. vys. ucheb. zav. energ.* 8 no. 5:69-78 My '65

## AIR—POLLUTION see subdivision under Krivoy Rog Basin

## AIR—PURIFICATION

In order to have clean air. . . M. Volokhov and others. *Okhr. truda i zdr. strakh.* 8 no. 5:27-30 My '65.

## AIR BLADDER (IN FISHES)—DISEASES

Symptoms of a disease of the air bladder in carp. N. M. Arshanskii. *Veterinaria* 42 no. 6:71 Je '65.

## AIR CONDITIONING

Lipshin, P. G. [Air conditioning] *Konditsionirovanie vozdukh, Kiev, Budivelnik, 1965, 26 p.* (Biblioteka inzhenera-santekhnika)

## AIR FLOW

Dynamics of airflow in grain cleaning machines of the "Triumf" type. B. G. Turbin. *Zap. Len. sel'khoz. inst.* 85:136-142 '61.

## AIR FORCES see subdivision 'Air Force' under Russia

## AIR PILOTS

(see also subdivision under Latvia)

Men with Donko's heart. V. Gaponov, A. Zaitsev. *Agitator* 33 no. 9:22-24 My '65.

Variations in the structure of the frontal sinuses and their significance in the professional selection of airplane pilots. I. U. K. Revskoi. *Arkh. anat., gist. i embr.* 47 no. 10:88-92 O '64.

## AIR PREHEATERS

Air heaters with an intermediate heat carrier. A. F. Gavrilov, V. I. A. Liakh. *Teplotoenergetika* 12 no. 3:11-17 Mr '65.

Ways of raising the temperature of the hot blast at the blast furnace department of the Magnitogorsk metallurgical combine. E. V. Tolopov, A. D. Ivanov. *Stal'* 25 no. 5:401-403 My '65.

## AIR PREHEATERS—CORROSION

Prevention of corrosion in the air preheaters industrial furnaces. V. I. Shishkin. *Prom. energ.* 20 no. 3:21-23 Mr '65.

## AIR PUMP

Pneumatic transfer pump. N. Toskhoparan. *Metallurg* 10 no. 6:31 My '65.

## AIR WARFARE

Cooperation of the Air Force with submarines. I. U. A. Briukhanov. *Mor. sbor.* 48 no. 4:41-46 Ap '65.

Ground target shooting from the L-20 airplane. S. Petrov, I. Chebotarev. *Av. i kosm.* 47 no. 7:29-32 JI '65.

"Lock on and launch." A. Sul'tanov. *Av. i kosm.* 47 no. 7:16-20 JI '65.

Using aviation in coast amphibious defense. N. I. Semenov. *Mor. sbor.* 47 no. 5:28-35 My '64.

## AIR WARFARE—STUDY AND TEACHING

It is very important to improve the tactical training of flight personnel. I. E. Reznik and others. *Mor. sbor.* 48 no. 6:44-53 Je '65

## AIRCRAFT CARRIERS

The past and the future of aircraft carriers. K. K. Frantse. *Mor. sbor.* 48 no. 4:46-54 Ap '65.

## AIRLINES see subdivision under Poland

## AIRLINES, LOCAL SERVICE

In the position of a stepson. B. Umanski. V. Omela. *Grazhd. av.* 22 no. 6:13 Je '65.

## AIRPLANE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Groshevik, A. I. [Fundamentals of the mechanization and automation of technological processes in the manufacture of airplanes] *Osnovy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov v samoletostroenii*, Moskva, Mashinostroenie, 1965, 347 p.

## AIRPLANES

Businessmen's opinion about Soviet airplanes. *Voen. torg.* 45 no. 6:19-21 '65.

## AIRPLANES—DESIGN AND CONSTRUCTION

Shul'zhenko, M. N. and A. S. Mostovoi. [A course in the construction of airplanes] *Kurs konstruktii samoletov*, 2. izd., dop. i perer., Moskva, Mashinostroenie, 1965, 562 p.

## AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] *Ref. zhur. Av. i raket. dvig.* no. 6 Je '65

## AIRPLANES—FLIGHT TESTING

Ziuzin, D. V. [Along the trail of clouds] *Pod oblachnomu sledu*, Moskva, Sovetskaya Rossiia, 1965, 276 p. (Liudi Sovetskoi Rossii)

## AIRPLANES—JET PROPULSION

Abians, V. Kh. [Theory of gas turbines for jet engines] *Teoriia gazovykh turbin reaktivnykh dvigatelei*, Izd. 2., perer., dop., Moskva, Mashinostroenie, 1965, 310 p. Turbofan jet engine. N. Kuznetsov. *Av. i kosm.* 47 no. 7:61-67 JI '65.

## AIRPLANES—MAINTENANCE AND REPAIR

(see also subdivision under Novosibirsk; Tyumen', Vnutkova, Moscow Province) *Technology news* A. Karama. *Grazhd. av.* 19 no. 5:25 My '62

## AIRPLANES—MODELS

Breath of the finish. M. Lebedinskii. *Kryl. rod.* 16 no. 5:22-24 My '65

## AIRPLANES—MODELS—ENGINES

Resonance reciprocating engines. V. Burdakov. *Kryl. rod.* 16 no. 5:30-31 My '65.

## AIRPLANES—NOISE

Noise problem. I. Boishchevskii, E. Laptev. *Av. i kosm.* 47 no. 7:75-77 JI '65.

## AIRPLANES—PILOTING

The keeping of a flight attitude by an airplane unit. A. K. Komarovskii, I. I. Kapustin. *Mor. sbor.* 48 no. 6:53-56 Je '65. Overload and curvilinear flight. M. Rozenblat. *Grazhd. av.* 19 no. 6:2-4 Je '62

## AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

A great force. D. Shilintsev, N. Sviridenkov. *Av. i kosm.* 47 no. 7:84-85 JI '65.

The second life of an airplane. V. Bragin, N. Samarin. *Av. i kosm.* 47 no. 7:75-81 JI '65.

Without complaints. S. Rafalovich, Z. Smotkin, O. Gonorov. *Av. i kosm.* 47 no. 7:81-84 JI '65.

## AIRPLANES, MILITARY—PILOTING

Near the ceiling. I. U. Tarasov. *Av. i kosm.* 47 no. 7:68-74 JI '65.

## AIRPORTS—AIR CONDITIONING

A conditional always in good working order. I. Anli-penko. *Grazhd. av.* 22 no. 6:11 Je '65.

## AIRPORTS—BUILDINGS see subdivision under Kiev

## AIRPORTS—LABOR PRODUCTIVITY see subdivision under Khabarovsk

## AIRPORTS—RUNWAYS

Attention! The strip is wet! V. Smirnov. *Grazhd. av.* 22 no. 6:30 Je '65

## AKMOLINSK see Tselinograd

## AKMOLINSK PROVINCE see Tselinograd Province

## AKTYUBINSK PROVINCE—STOCK AND STOCKBREEDING

State and prospects of the development of animal husbandry in Aktyubinsk Province. A. E. Kovalev. *Vest. sel'khoz. nauk [Kazakh]* 8 no. 2:3-10 F '65.

## ALANINE

Properties of methyl ester of P<sup>1</sup>-(adenosine-5'-diphospho-(P<sub>2</sub>N) phenylalanine. V. G. Shestakov, Z. A. Shabarova, M. A. Prokof'ev. *Biokhimiia* 29 no. 4:680-686 JI-Ag '64.

Study of the functional state of the thyroid gland by means of <sup>131</sup>I-labeled triiodothyronine. V. K. Mostovoi, A. T. Tsygankov. *Med. red.* 10 no. 6:11-13 Je '65.

## ALASHEV, IURI TIMOFEEVICH

Benderova, V. N. [A track on the earth; documentary tale] *Sled na zemle; dokumental'naya povest'*, [Moskva] Molodnia gvardia, 1965, 186 p.

## ALASKA—GEOLOGY, STRUCTURAL

Glacial history of Alaska in the light of pleistocene geochronology. V. A. Zubakov. *Izv. AN SSSR. Ser. geog.* no. 3:3-17 My-Je '65.

Outline of the structure and development of the Aleutian-Alaska tectonic zone. I. U. M. Pishcharevskii. *Trudy GIN* no. 89:28-54 '63



## ALASKA—GLACIAL EPOCH

Glacial history of Alaska in the light of pleistocene geochronology. V. A. Zubakov. *Izv. AN SSSR, Ser. geog.* no. 3:3-17 My-Je '65.

## ALATAU, DZUNGARIAN see Dzungarian Alatau

## ALATAU, TERSKEI see Terskei Alatau

## ALATAU, ZAILIYSKY see Trans-Mi Alatau

## ALBEDO see subdivision under Arctic regions

## ALBEE, EDWARD, 1928-

Dramas of Edward Albee. Z. Volnova. *Teatr* 26 no. 5:158-159, 162 My '65.

## ALBUMIN

Development of luminescence under the action of glacial acetic acid on serum albumin. I. I. Sapozhnikov, I. V. Silaev. *Trudy MOIP, Otd. biol.* 21:117-118 '65.

Some data on the products of the vital activity of Actinomyces subterreus as related to the production of albumin by it. I. N. Skvortsova. *Mikrobiologiya* 34 no. 2:245-251 Mr-Apr '65.

Study of the denaturation of egg albumin by the method of spectropolarimetry in conjunction with other physicochemical methods. H. V. Tolstoy, V. I. Okulov, I. F. Kyriukhin. *Ukr. biokhim. zhur.* 37 no. 2:182-193 '65.

Study of the N-terminal amino acid sequence in serum albumins of various animals. N. N. Orlovskaya, V. A. Bolitsar. *Biokhimiya* 20 no. 4:741-748 Ji-Ag '64.

## ALBUMIN—MICROBIOLOGY

Survival of viruses in dried milk and food albumin. I. E. Nikitin, A. G. Vladimirov. *Veterinarnia* 42 no. 5:98-101 My '65.

## ALCOHOL

Solubility of humic acids in alcohols. A. Margoul, P. Kondelik. *Pochvovedenie* no. 3:96-97 Mr '65.

## ALCOHOL—PHYSIOLOGICAL EFFECT

Changes in the conditioned response activity in dogs under the effect of small doses of radioactive sodium-24 following a preliminary introduction of alcohol. B. I. Shal'nev. *Zhur. vyz. nerv. delat.* 15 no. 3:445-452 My-Je '65.

Histochemical study on nucleic acids, glycogen and lipids of the liver in experimental acute alcohol intoxication. I. K. Eletskii. *Arkh. anat., gist. i embr.* 48 no. 4: 59-63 Ap '65.

## ALCOHOL—STANDARDS

Russia (1923 - U. S. S. R.) *Upravlenie po standartizatsii*. [Alcohol and vodka products] *Spirito-vodochnoye Izdellia*. Izd. offtsiat'noe, Moskva, Izd-vo Standartov, 1965. 107 p. (SSSR. Gosudarstvennye standarty)

## ALCOHOLISM—TREATMENT

Zenevich, G. V., and S. S. Libikh. [Psychotherapy of alcoholism] *Psikhoterapiya alkoholizma*. [Leningrad] Meditsina, 1965. 145 p. (Biblioteka prakticheskogo vracha) (DNLM)

## ALCOHOLS

Automation of the technological process of the synthesis of higher alcohols. V. P. Kuzin. *Khim. prom.* 41 no. 5:368-374 My '65.

Calculation of rate constants for three-step parallel-consecutive reactions of second order. V. O. Reiltsa-feld, V. A. Prokhorova, V. A. Punina. *Kin. i kat.* 8 no. 1:171-176 Ja-F '65.

Compounds of the acetylene series. Part 4: Reaction of addition of alcohols to vinylacetylene by the action of alcoholates. G. M. Mkrain, Sh. L. Mndzholan, S. M. Gasparian. *Izv. AN Arm. SSR, Khim. nauki* 17 no. 5: 843-850 '64.

Inhibiting effect of alcohols and phenols on the oxidation reaction of sodium sulfite with atmospheric oxygen. T. F. Kuz'minskaya, I. U. S. Chedaveva. *Izv. vyz. ucheb. zav. i khim. i khim. tekhn.* 8 no. 1:168-166 '65.

Interaction of 2-methyl-5-(2'-carbochloroethyl)furan with polyhydric aliphatic alcohols. V. G. Glukhovtsev, S. V. Zakharova. *Izv. AN SSSR, Ser. khim.* no. 5:1086-1087 '65.

Kinetic parameters for dehydrogenation and dehydration of ethyl, isopropyl alcohols and dehydrogenation of tetralin on cerium oxide. A. A. Tolstopytova, A. A. Balandin, I. I. Tsi-tsiun' [Yu. Ch'i-ch'uan]. *Kin. i kat.* 8 no. 1:108-114 Ja-F '65.

Particular features of the mechanism of electrooxidation of alcohols in an alkaline medium. V. S. Daniel'-Bek, G. V. Vityvskaya. *Elektrokhimiya* 1 no. 4:494-498 Ap '65.

Production of primary higher fatty alcohols from ethylene. A. T. Meniallo and others. *Khim. prom.* 41 no. 5: 323-325 My '65.

Series of primary saturated normal alcohols. Report No. 2: Change in physicochemical properties in the series of normal primary alcohols and the effect of impurities on their physical characteristics. K. V. Vili'shaev, V. A. Gavrilova. *Trudy IREA* no. 25:347-357 '63.

Synthesis and properties of aliene hydrocarbon derivatives. Part 3: Synthesis and properties of alkyl-, alkenyl-, and alkynylallene alcohols. O. V. Perepelkin, V. A. Kormer, Kh. V. Bal'tan. *Zhur. ob. khim.* 35 no. 5:857-859 Je '65.

Synthesis and study of functional organosilicon compounds with hydrocarbon bridges between silicon atoms. Part 6: Synthesis and dehydration of organosilicon tertiary acetylenic alcohols with a p-phenylene group between silicon atoms. V. P. Kuznetsova, N. F. Smetankina. *Zhur. ob. khim.* 35 no. 5:913-916 My '65.

Synthesis and transformations of polyhydric alcohols. Part 1: Synthesis and transformations of some p-toluenesulfonic esters of polyhydric alcohols. M. F. Shostakovskii, A. S. Atavin, A. N. Mirskova. *Zhur. ob. khim.* 35 no. 5:804-807 My '65.

Synthesis and transformations of polyhydric alcohols. Part 2: Synthesis of trimethylethane thioacetates, pentaerythritol and its derivatives. M. F. Shostakovskii, A. S. Atavin, A. N. Mirskova. *Zhur. ob. khim.* 35 no. 5: 807-809 My '65.

Synthesis of primary and secondary  $\alpha$ -silicon-containing acetylenic alcohols. M. F. Shostakovskii, A. S. Atavin, N. F. Egorov. *Zhur. ob. khim.* 35 no. 5: 809-811 My '65.

## ALDAN PLATEAU—GEOLOGY, STRUCTURAL

Boundaries and characteristics of the development of the western part of the Aldan Shield. A. M. Leites. *Izv. AN SSSR, Ser. geol.* 30 no. 5: 65-79 My '65.

## ALDER see subdivision under Carpathian Mountain region

## ALEKBEROV, RADULLA GADZHIEVICH, 1905-

On the 60th birthday and 35th anniversary of medical practice of S. G. Alekberov, the Honored Physician of the Dagestan A. S. S. R. M. M. Mamaev. *Vest. rent. i rad.* 40 no. 2:78 Mr-Apr '65.

## ALEUTIAN ISLANDS—GEOLOGY, STRUCTURAL

Outline of the structure and development of the Aleutian-Alaska tectonic zone. I. U. M. Pushcharovskii. *Trudy GIN* no. 89:28-54 '63.

## ALFAIFA

Effect of bacterization on the nitrogen and carbohydrate metabolism of the blue hybrid alfalfa. I. A. Veselovskaya. *Trudy GSKH* 9:95-101 '68.

## ALGAE

(see also subdivision under Black Sea; Dnava River; Hungary; Northern-Donets Basin Canal; Okhotsk Sea)

Amino acid composition of the blue-green alga Phormidium uncinatum (AG) Gom. G. N. Rzhanova, S. V. Gortunova. *Mikrobiologiya* 34 no. 2:268-272 Mr-Apr '65.

Change in the composition and content of pigments in blue-green algae as related to the spectral composition of light and illumination degree. V. D. Zhevner, M. V. Gusev, S. V. Shostakov. *Mikrobiologiya* 34 no. 2:209-215 Mr-Apr '65.

Chromatographic and spectrophotometric studies of carotenoids in the alga Dunaliella salina Tnod. and determination of their biological activity. I. U. P. Heleskul. *Ukr. biokhim. zhur.* 36 no. 5:778-783 '64.

Luminescence of Phyllophora. S. I. Golub. *Trudy MOIP, Otd. biol.* 21:156-160 '65.

Quantitative classification of algae of the genus Chlorella. B. V. Gromov, I. A. Avilov. *Vest. LGU* 20 no. 9:118-123 '65.

Study of proteins of the protococcal alga Chlorella pyrenoidosa. E. P. Bers. *Vest. LGU* 20 no. 9:157-160 '65.

## ALGAE—CULTURES AND CULTURE MEDIA

Effect of amino acids on the growth and development of Anabaena variabilis in culture. A. I. Merezko, Gidrobiol. zhur. 1 no. 2:56-59 '65.

Effect of oxidation-reduction potential on the development of bacteria in algal cultures. I. V. Maksimova, E. F. Fedenko. *Mikrobiologiya* 34 no. 2:344-349 Mr-Apr '65.

Obtaining streptomycin-resistant and streptomycin-dependent strains in Chlorella vulgaris. V. V. Tugarinov. *Vest. LGU* 20 no. 9:136-142 '65.

Some data on the chemical composition of marine planktonic algae cultivated under artificial and natural illumination. L. A. Lanskaya, D. M. Viliuk, L. I. Rozhanskaya. *Trudy SBS* 17:340-350 '64.

Some data on the utilization of acetate by Chlamydomonas globosa. M. N. Pimenova, T. F. Kondrat'eva. *Mikrobiologiya* 34 no. 2:230-235 Mr-Apr '65.

Some factors of the chemical action of Cystoseira on unicellular algae. K. M. Khalilov, L. A. Lanskaya. *Trudy SBS* 17:351-360 '64.

## ALGAE—THERAPEUTIC USE

Diatomite treatment of trophic ulcer of the lower extremities. V. A. Rakhmanov, M. A. Kalantyrskaya. *Vest. dermat. i ven.* 38 no. 6:34-36 Je '64.

## ALGAE, FOSSIL

Katavella, a new genus of fossil red algae. B. I. Chuvashov. *Paleont. zhur.* no. 2:144-146 '65.

## ALGEBRA, BOOLEAN

Supplementary representations of algebras with measures. V. G. Vinokurov. *Teor. veroiat. i mat. stat.* no. 1:126-129 '61.

## ALGEBRAIC CURVES see Curves, Algebraic

## ALGEBRAIC FIELDS see Fields, Algebraic

## ALGEBRAIC GEOMETRY see Geometry, Algebraic

## ALGEBRAIC TOPOLOGY

New ideas in algebraic topology (K-theory and its applications). S. P. Novikov. *Usp. mat. nauk* 20 no. 3: 41-60 My-Je '65.

## ALGERIA—PHYSICAL EDUCATION AND TRAINING

Physical education and sports in People's Algeria. A. V. Stepkin. *Teor. i prakt. fiz. kul't.* 27 no. 3:75-77 Mr '65.

## ALGERIA—POLITICS AND GOVERNMENT

Foreign press on the events in Algeria. I. U. Z. Nov. vrem. 23 no. 27:7-8 Ji '65.

## ALGERIA—PUBLIC HEALTH

Regional pathology of Algeria. D. M. Atanasev. *Med. parazit. i parazit. bol.* 33 no. 6:731-735 N-D '64.

## ALGERIA—SPORTS

Physical education and sports in People's Algeria. A. V. Stepkin. *Teor. i prakt. fiz. kul't.* 27 no. 3:75-77 Mr '65.

## ALGERIAN STATESMEN see Statesmen, Algerian

## ALGOPORITE

Producing aglopomite from boiler slags. S. G. Vasil'kov. *Stroitel. mat.* 11 no. 1:31-32 Ja '65.

## ALGORITHMS

Algorithm for calculating the spectral radius of an arbitrary matrix. I. U. I. Liubich. *Ukr. mat. zhur.* 17 no. 3:128-135 '65.

Algorithm of the recognition of configurations for a class of languages for automata. A. V. Gladkii. *Probl. kib.* no. 12:243-245 '64.

A method of analysis of texts. G. V. Vasil'kovskaya, O. S. Kulagina. *Probl. kib.* no. 12:233-237 '64.

Methods of stating algorithms and the ALGOL-60 language. N. N. Lozinskii, V. A. Rozenberg. *Mer. sbor.* 47 no. 5:43-52 My '64.

Sequential decoding by the method of Wozencraft-Reiffen R. L. Dobrushin. *Probl. kib.* no. 12:113-123 '64.

## ALIEV, IAKUB IUSUPOVICH, 1911-1965

Iakub Iusupovich Aliev. *Uzb. khim. zhur.* 9 no. 1:77 '65.

## ALIMENTARY CANAL

Method of calculating irradiation doses and the maximum permissible concentration of fresh fission fragments for different sections of the gastrointestinal tract. V. M. Malykhin, V. P. Shamov. *Med. rad.* 10 no. 5: 82-83 My '65.

## ALIMENTARY CANAL—BLOOD SUPPLY

Gastrointestinal blood circulation in hypertension. V. S. Tinditnik. *Trudy Inst. im. N. V. Sklif.* 5 no. 2: 50-54 '62.

## ALIMENTARY CANAL—DISEASES

Determination of fat assimilation in gastrointestinal diseases by means of [14C] trioleate glycerin. M. N. Fateeva and others. *Med. rad.* 10 no. 3:11-16 Mr '65.

Dynamics in uropeptin excretion in toxic forms of acute gastrointestinal diseases in infants. A. M. Idaromachev. *Sov. med.* 28 no. 4:125-128 Ap '65.

Prophylaxis and therapy of gastrointestinal diseases in newborn calves. V. A. Koshevoi. *Veterinarnia* 41 no. 4:4-5 Ap '65.

## ALIMENTARY CANAL—HEMORRHAGE see Gastrointestinal hemorrhage

## ALIMENTARY CANAL—SURGERY

Basis for selecting the method of anesthesia in surgery on gastroduodenal hemorrhages. I. N. Ershova. *Trudy Inst. im. N. V. Sklif.* 9:208-209 '63.

## ALIZARIN

Polarographic study of alizarin. S. G. E. Komarova, V. N. Lanskaya. *Izv. vyz. ucheb. zav. i khim. i khim. tekhn.* 8 no. 1:69-74 '65.

Rapid method to identify brucella using alizarin suspension agglutination. A. K. Adamov, K. S. Karpuzidi. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:103-107 Ja '65.

## ALKALI LANDS see Saline and alkali soils

#### ALKALI METAL ACETATES

System  $Li_2CO_3$ ,  $Ca(CH_3COO)_2$ ,  $NO_3$ . G.G. Diogenov, T.I. Bruk, N.N. Nurminkil. Zhur. neorg. khim. 10 no. 6: 1498-1499 Je '65.

#### ALKALI METAL ALUMINATES

Comparative passage of alkali and aluminum oxide into the solid phase during the desiccation of potassium and sodium aluminate solutions. M.G. Manvelian, B.A. Talashvili. Izv. AN Arm. SSR, Khim. nauki 17 no. 6: 636-642 '64.

Reciprocal system consisting of fluorides, chlorides, and hexafluoroaluminates of sodium and potassium. V.T. Mal'tsev, G.A. Bukhalova. Zhur. neorg. khim. 10 no. 6: 1464-1470 Je '65.

#### ALKALI METAL AMIDES

Metalation of neobarenes (neocarboranes) by alkali metal amides in liquid ammonia. L.I. Zakharkin, A.V. Kazantsev. Zhur. ob. khim. 35 no. 6: 1123-1124 Jo '65.

#### ALKALI METAL CARBONATES

Effect of the atmosphere of gases on the thermal synthesis and properties of the compound types  $Me_2O \cdot Me_2VO_3$  and  $Me_2O \cdot Me_2VO_3$ . S.A. Kutolov, A.I. Yulikh, A.E. Sergeeva. Izv. AN SSSR, Neorg. mat. 1 no. 3: 388-391 Mr '65.

#### ALKALI METAL CHLORATES

Ternary aqueous systems consisting of potassium, rubidium, and cesium chlorates at 25°C. A.N. Kirgintsev and others. Zhur. neorg. khim. 10 no. 5: 1225-1228 My '65.

#### ALKALI METAL CHLORIDES

Capacity method for studying fused mixtures of strontium and alkali metal chlorides. E.A. Ukhov, N.G. Bukun. Zhur. neorg. khim. 10 no. 4: 1008-1010 Ap '65.

Electrolysis of an aqueous solution of a mixture of potassium and lithium chlorides with a moving mercury electrode. S.I. Sklarenko and others. Zhur. prikl. khim. 38 no. 4: 849-855 Ap '65.

Reaction of gadolinium and dysprosium chlorides with sodium and potassium chlorides in melts. B.G. Korshunov, D.V. Drohot. Zhur. neorg. khim. 10 no. 4: 939-942 Ap '65.

Thermodynamics of the reaction of zirconium di- and tetrachloride with alkali metal chlorides in melts. M.V. Smirnov, V.I.A. Kudakov. Zhur. neorg. khim. 10 no. 5: 1211-1214 My '65.

#### ALKALI METAL FLUORIDES

Systems  $CaF_2$  -  $KF$  and  $CaF_2$  -  $RbF$ . R.G. Samusev, V.F. Pliushchev. Zhur. neorg. khim. 10 no. 5: 1270-1272 My '65.

#### ALKALI METAL HALIDES

Distribution of the alkali metal halides between aqueous solutions and organic solutions of iodine. Part 4: Distribution of cesium chloride between aqueous and organic solutions of iodine. V.M. Vdovenko, L.S. Bulantina. Radiokhimiya 7 no. 1: 104-107 '65.

Reciprocal system consisting of fluorides, chlorides, and hexafluoroaluminates of sodium and potassium. V.T. Mal'tsev, G.A. Bukhalova. Zhur. neorg. khim. 10 no. 6: 1464-1470 Je '65.

#### ALKALI METAL NITRATES

Physicochemical study of the reaction of acetamide with alkali metal nitrates. I.M. Bokhovkin, E.O. Vitman. Zhur. ob. khim. 35 no. 6: 849-853 Je '65.

System  $Li_2CO_3$ ,  $Ca(CH_3COO)_2$ ,  $NO_3$ . G.G. Diogenov, T.I. Bruk, N.N. Nurminkil. Zhur. neorg. khim. 10 no. 6: 1498-1499 Je '65.

#### ALKALI METAL NITRITES

Internal friction of fused alkali metal nitrites. P.I. Protasenko, A.V. Protasenko, O.N. Razumovskaya. Zhur. neorg. khim. 10 no. 4: 751-754 Ap '65.

Kinetics of the thermal decomposition of alkali metal nitrites. P.I. Protasenko, E.A. Bordushkova. Zhur. neorg. khim. 10 no. 5: 1215-1218 My '65.

#### ALKALI METAL SALTS

Interaction of lead (II) chloride complexes with alkaline metal salts. V.E. Mironov, F.I.A. Kul'ba, V.A. Fedorov. Zhur. neorg. khim. 10 no. 6: 1388-1392 Je '65.

Salt solubility isobar in the system  $K_2Na$  -  $Cl_2NO_3$  -  $H_2O$ . N.L. Iarym-Agaev, V.I.A. Rudin, T.A. Tseitlenok. Zhur. neorg. khim. 10 no. 4: 878-880 Ap '65.

System  $Li^+$ ,  $Na^+$ ,  $NO_3^-$ ,  $CO_3^{2-}$  -  $H_2O$  at 25°C. V.E. Pliushchev, L.V. Kurtova. Zhur. neorg. khim. 10 no. 6: 1471-1475 Je '65.

#### ALKALI METALS

Chloride complexes of lead (II) and their reaction with alkali metal cations. V.E. Mironov, F.I.A. Kul'ba, V.A. Fedorov. Zhur. neorg. khim. 10 no. 4: 814-817 Ap '65.

Compression of alkali metals by strong shock waves. A.A. Bakanova, I.P. Dudoladov, R.F. Trunin. Fiz. tver. tela 7 no. 6: 1615-1622 Je '65.

Electron exchange and changes in the hyperfine state of colliding alkali metal atoms. B.M. Smirnov, M.I. Chibisov. Zhur. eksp. i teor. fiz. 48 no. 3: 939-945 Mr '65.

Reduction of some D-homosteroids with an aromatic ring A by alkali metals under conditions of Birch's process. Part I. V.M. Rzhiznikov, S.N. Ananchenko, I.V. Torgov. Khim. prirod. soed. no. 1: 7-15 '65.

Separation of Li and K, Li and Cs. V.P. Shvedov, D.F. Makarov. Zhur. prikl. khim. 38 no. 4: 756-760 Ap '65.

#### ALKALIES—PHYSIOLOGICAL EFFECT

Sensitization of the skin in cutaneous lesions caused by boiler-scale removing agents. G.I. Lobanovskii. Vest. dermat. i ven. 38 no. 6: 21-26 Je '64.

#### ALKALINE EARTH IODIDES

Thermochemical transformations of barium and calcium iodides in the inert oxidizing reducing media. V.V. Pechkovskii, A.V. Sofronova. Zhur. neorg. khim. 10 no. 6: 1427-1432 Je '65.

#### ALKALINE EARTH SALTS

Mechanism of the effect of bivalent cations on the electroreduction of oxygen on platinum. N.A. Balashova, M.I. Kulezova. Elektrokhiimiya 1 no. 2: 155-158 F '65.

#### ALKALOIDS

Alkaloids from Haplophyllum. Part 4: Structure of phollosidin. V.I. Pastukhova, G.P. Sidjakin, S.IU. Tunusov. Khim. prirod. soed. no. 1: 27-33 '65.

Alkaloids of Petilium Eduardi (A. Rgl) Vved. R. Shakhov, R.N. Nuriddinov, S.IU. Tunusov. Uzb. khim. zhur. 9 no. 1: 38-42 '65.

Effect of preparations, isolated from Ziziphora Bunge, on the heart of frogs. F.D. Dzhamagaliyeva, T.A. Seidakhanova. Trudy Inst. fiziol. AN Kazakh. SSR 7: 5-7 '64.

Structure of the alkaloid renaldin. Part 3: Structure of dihydroxyoxothionein. N.I. Koretskaya, A.V. Danilova, L.M. Utkin. Khim. prirod. soed. no. 1: 22-27 '65.

Structure of vincadine and vincervine. P.K. Iuldashev and others. Khim. prirod. soed. no. 1: 34-42 '65.

#### ALKENES see Olefins

#### ALKYLATION

Amino esters. Part 4: Intramolecular N-alkylation of amino esters, derivatives of arylacetic acids. B.A. Porai-Koshits, L.M. Krutskaya, I.A. Kvitska. Zhur. ob. khim. 35 no. 6: 1098-1104 Je '65.

#### ALLERGY

Functional characteristics of experimental allergy caused by streptococci. V.A. Evnasev. Biol. eksp. i med. 59 no. 6: 50-53 Je '65.

Non-specific allergy in cutaneous tuberculosis patients. M.I. Bagayeva. Vest. dermat. i ven. 38 no. 6: 43-48 Je '64.

Study of biochemistry and pathophysiology of the allergic component in the pathogenesis of schizophrenia and infectious psychoses. V.S. Shaposhnikov. Zhur. nevr. i psikh. 64 no. 11: 1712-1716 '64.

#### ALLIANCE FOR PROGRESS

The stolen parcel of Latin America. Servando García Ponce. Mezhdunar. zhizn' 12 no. 6: 53-61 Je '65.

#### ALLOY PLATING

Effect of a chlorine anion on the kinetics of a simultaneous discharge of iron and nickel. M.S. Grilikhes, V.V. Sysoeva. Zhur. prikl. khim. 38 no. 4: 823-828 Ap '65.

Electrodeposition of iron-molybdenum alloys from fluoride electrolytes. T.F. Frantsevich-Zabudovskaya, G.I. Shafran. Zhur. prikl. khim. 38 no. 4: 854-856 Ap '65.

#### ALLOYS

Pseudoalloys replace bronzes. V.I. Andreev. Mashinostroenie no. 2: 8-10 Mr-Ap '65.

#### ALLOYS—MAGNETIC PROPERTIES

Macroscopic domains in high-coercivity alloys with a single-domain magnetic structure. M.G. Lushinskaya, I.A. Shur. Zhur. eksp. i teor. fiz. 48 no. 3: 814-817 Mr '65.

#### ALL-UNION COMMUNIST PARTY (BOLSEVIK) see Communist Party of the Soviet Union

#### ALLUVIUM

Bodding of sand ridges in river channels. N.V. Lebedeva, E.I. Sakharova. Lit. i pol. iskop. no. 2: 113-122 Mr-Ap '65.

#### ALLYL ALCOHOL

Obtaining acrolein by means of catalytic oxidation of allyl alcohol. I.M. Suklyma, D.K. Tolopko. Khim. prom. [Ukr.] no. 2: 16-18 Ap-Je '65.

#### ALMA-ATA—BAPTISTS

In memory of Grigori Stepanovich Pliankov, Presbyter of the First Alma-Ata parish of Evangelical Christians and Baptists. I.R. Iurkevich. Brat. vest. no. 6: 67-69 '64.

#### ALMA-ATA—SCHOOL SUPERVISION

It is to our common benefit. E. Kul'kina, V. Danilova. Doshk. vosp. 38 no. 5: 22 My '65.

#### ALMA-ATA—SUGAR FACTORIES—EQUIPMENT AND SUPPLIES

Work of the Alma Ata Sugar Factory during the production season 1964-1965 without scale bollout in evaporators. S.I. Vashchenko. Sakh. prom. 39 no. 4: 30 Ap '65.

#### ALMA-ATA—WOMEN IN INDUSTRY

There are people behind norms. I.U. Khripuchkin. Nar. khoz. Kazakh. 23 no. 3: 16 Mr '65.

#### ALMA-ATA PROVINCE—PLANTS—CHEMICAL ANALYSIS

Content of vitamin C and microelements in wild plants of Alma-Ata Province. N.S. Kuchinskaya. Trudy Inst. fiziol. AN Kazakh. SSR 7: 65-69 '64.

Study of the content of tanning substances, organic acids and microelements in wild plants of Alma-Ata Province. N.S. Kuchinskaya. Trudy Inst. fiziol. AN Kazakh. SSR 7: 58-64 '64.

#### ALMA-ATA PROVINCE—SHEEP BREEDS

Lincoln and Romney Marsh sheep in Alma-Ata Province. V.A. Bal'mont, A.P. Blagorazumov. Izv. AN Kazakh. SSR Ser. biol. nauk 3 no. 1: 3-7 Ja-F '65.

#### ALMA-ATA REGION—GINSENG

Study of stimulating action of the alcohol extract from Codonopsis elatensis. V.B. Puchkova. Trudy Inst. fiziol. AN Kazakh. SSR 7: 11-13 '64.

#### ALMALYK REGION (UZBEKISTAN)—ORE DEPOSITS

Mineralogical characteristics of postmagmatic ore formation in the Almalik region. S.T. Badalov. Zap. Uzb. otd. Vses. min. ob-va no. 10: 18-23 '64.

Oxidation zone in the Kal'makyr copper-molybdenum deposit. V.IU. Dedy. Zap. Uzb. otd. Vses. min. ob-va no. 10: 83-87 '64.

#### ALPHA RAYS

Recombination radiation in gallium arsenide under the action of single alpha particles. F.M. Berkovskii. Fiz. tver. tela 7 no. 6: 1889-1890 Je '65.

#### ALTAI MOUNTAINS—CEDAR

Fruiting of Siberian cedar according to altitudinal sub-zones of the northeastern Altai. V.N. Voinob'ev. Izv. SO AN SSSR no. 12. Ser. biol. - med. nauk no. 3: 86-90 '64.

#### ALTAI MOUNTAINS—GEOLOGY

Correlation of volcanic and sedimentary facies in Cambrian cross sections in the transition zone of the Katun' anticlinorium in the direction of the Amur-Chuya synclinalorium (Gornyy Altai). V.V. Volkov. Geol. i geofiz. no. 3: 62-71 '65.

Hodographs of seismic waves and the thickness of the earth's crust in the Altai-Sayan fold area based on data obtained by recording industrial explosions and local earthquakes. N.D. Zhalkovskii, G.M. Tshibul'chik, I.D. Tshibul'chik. Geol. i geofiz. no. 1: 173-179 '65.

#### ALTAI MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Tectonic-denudation interval within the "metamorphic series" of the Bashkaus-Culyshman interfluvio (Gornyy Altai). A.I. Rodygin, I.A. Vyltsan. Geol. i geofiz. no. 3: 51-61 '65.

#### ALTAI MOUNTAINS—MAGNETIC ANOMALIES

Interpretation of magnetic anomalies in the northwestern part of the Altai-Sayan fold area. E.V. Tuluzakova. Izv. AN SSSR. Ser. geol. 39 no. 6: 72-77 Je '65.

#### ALTAI MOUNTAINS—METAMORPHISM (GEOLOGY)

Metamorphism of rocks and the conditions governing the formation of alkali metasomites in the Uymen' Depression of the Gornyy Altai. A.S. Mitropol'skii. Geol. i geofiz. no. 1: 92-103 '65.

#### ALTAI MOUNTAINS—METASOMATITE

Metamorphism of rocks and the conditions governing the formation of alkali metasomites in the Uymen' Depression of the Gornyy Altai. A.S. Mitropol'skii. Geol. i geofiz. no. 1: 92-103 '65.

#### ALTAI MOUNTAINS—PALEOGEOGRAPHY

Conditions governing the accumulation of Lower Carboniferous sediments in the eastern part of the Sayan-Altai area. G.N. Brovko, M.I. Graizer, A.E. Mogilev. Geol. i geofiz. no. 1: 99-123 '65.

#### ALTAI MOUNTAINS—PLAGIOCLASE

Plagioclases in the basalt effusives of the Upper Proterozoic and Cambrian in the Altai and Salair Range. A.F. Belousov, V.V. Velinskii, I.U. Kochkin. Geol. i geofiz. no. 3: 183-189 '65.

#### ALTAI MOUNTAINS—TUNGSTEN

Tungsten content in granites of typhoons of the Gornyy Altai characterized by varying ore content. V.I. Sotnikov, L.G. Izumova, Geokhimiya no. 2: 175-178 F '65.

**ALTAI TERRITORY—EDUCATION, PRESCHOOL**

Here they take care of little tots V. Shatilina Doshk vosp. 38 no 5:76-78 My '65

**ALTAI TERRITORY—SCHOOL SUPERVISION**

Let's learn from the best E. Belinaeva Doshk vosp. 38 no 5:79-80 My '65

**ALTAI TERRITORY—SOILS**

Kalmanov, I. I. [Soils in the piedmont of the northwestern Altai and their use in agriculture] Pochvy predgor'ii Severo-Zapadnogo Altaya i ikh ispol'zovanie v sel'skom khoz'iaistve. Moskva, Nauka, 1965 157 p. (DNAL)

**ALTAI TERRITORY—STOCK AND STOCKBREEDING**

Akademika nauk SSSR, Sibirskoe otdelenie, Institut tsitologii i genetiki. [Where to buy breeding stock in the Altai] Gde kupit' plenennoi skot na Altai. Barnaul, Altayskoe knizhnoe izd-vo, 1961. 254 p. illus. (DNAL MICROFILM)

**ALTITUDE—EFFECT ON PLANTS** see Plants, Effect of altitude on**ALUMINATES—CORROSION**

Atmospheric corrosion of aluminum vacuum condensates. I. L. Roikh, E. V. Efimovich, I. P. Bolotich Zashch met. 1 no 2:39-41 Mar-Apr '65

**ALUMINOTHERMY**

Obtaining copper-zirconium addition alloys from potassium fluorozirconate. A. I. Lainer and others. TSvet. met. 38 no 3:87-90 Mr '65.

**ALUMINUM**

(see also subdivision under Java)

Diffusive redistribution of aluminum during the graphitizing annealing of cast iron V. G. Permiakov, S. A. Danaeva Lit. proizv. no 2:36-37 F '65

Process of inclusion of the  $[Ag(CNS)_2]^{-1}$  anion labeled with an  $Ag^{110}$  isotope into a forming anodic oxide film on aluminum. A. F. Bogolavenskii, N. K. Matiazh, Zhur. prikl. khim. 38 no 4:952-954 Ap '65

**ALUMINUM—ELECTRIC PROPERTIES**

Effect of niobium, beryllium and cerium on the mechanical properties and electric conductivity of aluminum. I. A. M. Krupotkin, M. B. Gokhshtein. TSvet. met. 38 no 5:82-85 My '65

**ALUMINUM—ELECTROMETALLURGY**

Application of mathematical statistics in assessing operational parameters of aluminum electrolytic cells G. I. A. Nurenberg, V. S. Zhelezov, I. M. Kravtsov. TSvet. met. 38 no 5:53-56 My '65.

Effect of the presence in the electrolyte of aluminum metal and salt additives on the stability of cathode blocks during the electrolysis of cryolite-alumina melts. E. A. Zhernichukina, G. I. A. Nurenberg. Izv. vyz. ucheb. zav. tsvet. met. 8 no 1:80-85 '65.

Load distribution in contact pins during the baking of aluminum electrolytic cells by overhead current application. A. I. Begunov, I. K. Skobeev. TSvet. met. 38 no 3:53-60 Mr '65.

Vacuum remelting of electrolytically refined aluminum S. E. Marae, E. I. Mudrova, N. I. Elina. TSvet. met. 38 no 5:86-87 My '65

**ALUMINUM—FINISHING**

Formation of passive oxide films during an electrochemical polishing of aluminum. N. P. Fedot'ev and others. Zhur. prikl. khim. 38 no 4:834-839 Ap '65.

**ALUMINUM—HARDENING**

Introducing the ETA-10 air hardening unit. S. V. Ryzhova Biol. tekhn. - ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no 5:25-26 My '65.

**ALUMINUM—PHYSIOLOGICAL EFFECT**

Effect of aluminum compounds on fishes and their food supply. I. A. M. Grushko. Gidrobiol. zhur. 1 no 3:55-59 '65.

**ALUMINUM—WELDING**

Automatic welding of aluminum under ceramic flux. D. S. Kassov and others. Svar. proizv. no 4:20-22 Ap '65.

Hydrogen in the welding bath and porosity of welds in the welding of aluminum under flux. D. M. Rabkin, G. M. Grigorenko. Avtom. svar. 18 no 4:20-22 Ap '65.

Rabkin, D. M., and V. R. Riabov. [Welding aluminum and its alloys with steel and copper] Svarka aluminia i ego spлавov so stal'yu i med'yu. Moskva, Mashinostroenie, 1965. 93 p.

**ALUMINUM ALLOYS—CORROSION**

Corrosion rate of aluminum alloys in an atmosphere of sulfur dioxide. E. O. Travitskaya. Zap. Len. sel'khoz. inst. 85:87-89 '61.

**ALUMINUM ALLOYS—HARDENING**

Using sound frequency waves for the realization of aging processes in aluminum alloys. S. G. Cherniavskaya and others. Izv. vyz. ucheb. zav. tsvet. met. 8 no 1:132-135 '65.

**ALUMINUM ALLOYS—TESTING**

Tuzhnikov, L. P. [Malleable aluminum alloys for work at high temperatures] Defoimiroemye aluminievye splavy dlia raboty pri povyshennykh temperaturakh. [Moskva] Metallurgiya, 1965. 289 p.

**ALUMINUM AMMONIUM PHOSPHATE**

Ammonium ferri and aluminum phosphates L. M. Lapina, A. I. Kizias, I. A. Gritshina Zhur. prikl. khim. 38 no 4:735-745 Ap '65.

**ALUMINUM BORIDES**

Aluminum boride coatings on steel. G. V. Zemskov, N. G. Kaidash Metalloved i term. obr. met. no 4:51-53 Ap '65

**ALUMINUM BRIDGES** see Bridges, Aluminum**ALUMINUM COMPOUNDS**

Reactions of triethylaluminum with benzonitrile. S. V. Panyukovich, S. A. Matiashek Izv. AN SSSR. Ser. Khim. no 6:1118-1119 '65.

Studying the reactions of synthetic high-molecular substances with aluminum sulfate compounds. M. Kh. Kirakos'iants, I. P. Strakhov Nauch. trudy MTILP no 30:25-34 '64.

**ALUMINUM COMPOUNDS—CORROSION**

Electrochemical and corrosion behavior of aluminum-base intermetallic compounds A. I. Golubev, M. N. Ronzhin Zashch met. 1 no 2:199-206 Mr-Apr '65

**ALUMINUM-COPPER ALLOYS** see Copper-aluminum alloys**ALUMINUM FOIL**

Investigating force conditions during foil rolling on a continuous two-stand mill. K. N. Bogolavenskii, O. I. A. Mel'nikhuk, A. K. Grigor'ev. Trudy LPI no 243:132-137 '65.

**ALUMINUM-IRON ALLOYS** see Iron-aluminum alloys**ALUMINUM-MAGNESIUM ALLOYS—TESTING**

Investigating magnesium diffusion in aluminum by the method of evaporation in vacuum S. Z. Bokstein and others Metalloved i term. obr. met. no 4:36-38 Ap '65

**ALUMINUM-MAGNESIUM ALLOYS—WELDING**

Automatic welding with a three-phase arc of the AlMg6 alloy in assembly operations A. A. Kuz'mel' and others. Svar. proizv. no 5:20-21 My '65.

**ALUMINUM ORGANIC COMPOUNDS**

Reactions of aluminum trisopropylate with peroxides and anhydrides. G. A. Razuvaev, L. P. Stepovik, E. V. Mitrofanova. Zhur. ob. khim. 35 no 6:1095-1098 Ja '65.

**ALUMINUM OXIDE**

Comparative passage of alkali and aluminum oxide into the solid phase during the desilicification of potassium and sodium aluminate solutions. M. G. Manvelian, B. A. Taliaashvili Izv. AN Arm. SSR. Khim. nauki 17 no 8:636-642 '64.

Industrial use of laminar heat exchangers in alumina production. M. Z. Plushkin, I. V. Chalov TSvet. met. 38 no 5:87-89 My '65

**ALUMINUM OXIDE—ELECTRIC PROPERTIES**

Character of the conductivity of  $MgO$  and  $Al_2O_3$ . V. P. Luzgin and others. Ogneupory 30 no 4:42-44 '65.

**ALUMINUM PIPE** see Pipe, Aluminum**ALUMINUM PLANTS—DESIGN AND CONSTRUCTION**

Efficient application of modern methods of erecting sheet metal structures. G. S. Suprun. Avtom. svar. 18 no 4:67-69 Ap '65.

**ALUSHTA (UKRAINE)—HOTELS, TAVERNS, ETC.**

New boarding-house in Alushta. E. Gal'perin St. of i arkut. 13 no 5:14-15 My '65.

**AMALGAMS**

Kinetics of electrode processes on zinc amalgam in ammonia solutions A. I. Molodov, V. V. Losev. Elektrokhimia 1 no 2:149-154 F '65.

Temperature dependence of the separation coefficient of strontium and barium in amalgam exchange. B. F. Kiselev, V. L. Balashov. Radiokhimiya 7 no 2:244 '65

**AMALITSKII, VASILII GRIGOR'EVICH**

Scientist, soldier, patriot. V. Evreinov. Veterinarlia 42 no 5:16-18 My '65.

**AMATEUR ART ACTIVITIES**

Second profession. F. Poliakova. Teatr 28 no 5:136-138 My '65

**AMATEUR MOTION PICTURES**

Screen script, ideas, and topics. R. Kots, Sem'ia i shkola 20 no 4:47 Ap '65.

**AMATEUR RADIO STATIONS**

Advice to the beginners N. Kazanski Radio no 3 12 Mr '65

Let's talk about shortwave radio IU Protorovskii. Radio no 3:16 Mr '65

The main thing is the concern for the young M. Zozula Radio no 3:8-9 Mr '65

A microphone and different bands IU Zhomov. Radio no 3:13 Mr '65

Short and ultrashort radio waves Radio no 3:14 Mr '65

Unusual tropospheric propagation of radio waves G. Rumiantsev, V. Chernyshev. Radio no 3:15 Mr '65

**AMATEUR THEATRICALS**

(see also subdivision under Drogobych, Ukraine, Kyryshev, Leningrad, Minsk, Moscow, Perm; Tartu)

From the editor's mailbox Teatr 26 no 6:140-141 Je '65

Professional approach to a problem. A. Davidenko, V. Kukaretin Teatr 26 no 6:131-132 Je '65

**AMATEUR THEATRICALS—CONGRESSES**

A congress of amateur theaters is needed: a letter to the editor N. Nikol'skii, L. Novskii Teatr 26 no 4:119-120 Ap '65.

A half century ago G. Kogan. Teatr 26 no 6:137 Je '65

**AMERICAN MILITARY ASSISTANCE** see Military assistance, American**AMERICAN NEWSPAPERS**

Militant vanguard of American graphic artists. F. Gaidukovich. Iskusstvo 28 no 1:50-54 '65.

**AMERICAN POETRY—TRANSLATIONS INTO RUSSIAN**

Lexical comparisons in poetic translation: according to I. A. Bunin's translation of "Song of Hiawatha" by H. Longfellow. L. S. Baikhudarov. Uch. zap. Kaf. perev. MGPIIA no 2:41-60 '64

**AMIDES**

Arylamides of phosphazocarbonic acids. G. I. Derkach, A. V. Narbut. Zhur. ob. khim. 35 no 6:1006-1008 Je '65.

Formation of amide groups of glutamine and proteins in the homogenates and subcellular fractions of the brain G. Kh. Buntanian, A. V. Arutunian. Dokl. AN Arm. SSR 40 no 4:209-215 '65

Intensity of the exchangeability of amide groups of glutamine and proteins in the brain following the injection of  $N^{15}$ -glutamic acid O. P. Iotovtseva, U. U. biokhim. zhur. 38 no 5:685-688 '61.

Reaction of ketene with nitrogen-containing bases. Part 18: Chloroacetylation of acid amides and imides. IU. V. Svetkin, A. N. Minibaeva. Zhur. ob. khim. 35 no 5:835-838 My '65.

Silicon-containing acid amides. Part 1: Preparation of methylidialkyl (ethylacetamido) methylsilanes. L. A. Masili, B. V. Alekseev. Zhur. ob. khim. 35 no 6:1058-1060 Ja '65.

**AMINE OXIDASE**

Effect of indopan, a monoamine oxidase inhibitor, on the sensitivity of white mice and rats to tetracycline and pneumococcal infection. Z. A. Popenenkova, F. V. Guseva. Antibiotiki 10 no 5:432-435 My '65.

**AMINES**

Action of the primary aliphatic amines on the structure and reactivity of cotton cellulose fibers. N. I. Klenkova and others. Zhur. prikl. khim. 38 no 4:919-925 Ap '65.

Chemistry of vinylacetylene. Part 51: Addition of amines to dialkylaminomethylvinylacetylenes. S. A. Vnitanian, Sh. O. Badanian, R. G. Agabekian Izv. AN Arm. SSR. Khim. nauki 17 no 4:407-411 '64.

Extraction of microimpurities of metals by amines. Report No. 1. Calculation of the concentration of halide ions required for the extraction of metals using instability constants. Extraction of zinc. I. A. Shevchuk, IU. K. Tselinskii, L. I. Sakho. Trudy IREA no 25:403-414 '63.

Extraction of microimpurities of metals by amines. Report No. 2: Simple method for determining the instability constants of metal halide complexes. I. A. Shevchuk. Trudy IREA no 25:415-419 '63.

Extraction of uranium from  $HF-HNO_3$  by tertiary amine solutions in benzene. V. M. Vdovenko, M. P. Koval'skaya, E. A. Smirnova. Radiokhimiya 7 no 1:7-14 '65.

Infrared absorption spectra of the products of the addition of aromatic amines to cobalt, zinc, and cadmium halides. A. V. Ablov, N. N. Proskina, L. P. Chapurina. Zhur. neorg. khim. 10 no 6:1350-1354 Je '65.

Kinetics of the reactions of amines with hydroperoxides. Part 3: Mechanism of the reaction of cumene hydroperoxide with triethanolamine. N. M. Bellerian, S. K. Grigorian, O. A. Chalytkian. Izv. AN Arm. SSR. Khim. nauki 17 no 6:604-612 '64.

Reaction of amines with diacetylenic glycols. S. A. Vartanian, L. V. Oganova, Sh. O. Badanian. Izv. AN Arm. SSR. Khim. nauki 17 no 6:708-712 '64.

## AMINES (Continued)

- Reaction of ketene with nitrogen-containing bases.  
Part 17: Chloroacetylation of aromatic diamines and secondary amines. I.U. V. Svet'kin. Zhur. ob. khim. 35 no. 5:834-836 My '65.
- Reaction of organosilicon  $\alpha$ -oxides of the acetylene series with primary and secondary aliphatic amines F. I. A. Perveev, R. A. Bogatkin. Zhur. ob. khim. 35 no. 5:801-804 My '65.
- Reaction of tertiary perfluorinated amines with aluminum chloride. Synthesis of perfluorocyclohexanone. V. V. Sokolov, S. A. Mazalov, S. I. Gerasimov. Zhur. VRO 10 no. 2:234-235 '65.

## AMINO ACID METABOLISM

- Activation of amino acids in the cytoplasm of skeletal muscles and liver during training. V. A. Rogozkin, I. A. Afan. Ukr. biokhim. zhur. 37 no. 2:218-221 '65.
- Amino acid composition of gram-positive and gram-negative bacteria. P. P. Sorokin. Ukr. biokhim. zhur. 37 no. 2:239-242 '65.
- Amino acid composition of the proteins of the blood and some organs in acute leukemia. V. V. Novosel'skaya, E. D. Penomareva. Trudy Inst. im. N. V. Sklif. 5 no. 2:130-138 '62.
- Differentiated requirements of the brain for individual amino acids. N. T. Usacheva, G. N. Milova. Vop. pit. 23 no. 5:17-21 N-D '64.
- Effect of molecular oxygen on the formation of amino acids during photosynthesis in *Chlorella* under various conditions of light. E. G. Zak. Fiziol. rast. 12 no. 2:283-289 Mr-Apr '65.
- Free amino acid content in barley plants under conditions of soil moisture deficiency. N. N. Savitskaya. Fiziol. rast. 12 no. 2:340-350 Mr-Apr '65.
- Some problems concerning the absorption of amino acids in the intestines. O. A. Shishova-Kasatochkina. Vop. pit. 23 no. 5:3-17 N-D '64.

## AMINO ACIDS

- Amino acid activating enzymes of the chloroplasts of higher plants. S. S. Melik-Sarkisyan, V. P. Goncharov, N. M. Siskian. Biokhimiia 30 no. 1:183-188 Ja-F '65.
- Amino acid composition of the blue-green alga *Phormidium uncinatum* (AG) Gom. G. N. Rzhanova, S. V. Gorianova. Mikrobiologiya 34 no. 2:268-272 Mr-Apr '65.
- Amino esters. Part 4: Intramolecular N-alkylation of amino esters, derivatives of arylacetic acids. B. A. Foral'skaya, L. M. Kriukova, I. A. Kvitto. Zhur. ob. khim. 35 no. 0:1008-1104 Je '65.
- Biosynthesis of free amino acids by microscopic fungi. L. A. Zakordonets. Mikrobiol. zhur. 27 no. 3:6-11 '65.
- Biosynthesis of free amino acids by various species of *Fusarium* Lk. V. I. Bilal, L. A. Zakordonets. Mikrobiol. zhur. 27 no. 3:3-6 '65.
- Consumption of amino acids by various pathogenic microbes. A. M. Sokhina, M. O. Bilger. Zhur. mikrobiol. epid. i imunit. 42 no. 3:48-52 Mr '65.
- Determination of C-terminal amino acid residues in plant proteins by the hydrazinolysis method. A. A. Freiman, V. I. Veksler, M. S. Reznichenko. Biokhimiia 29 no. 1:583-585 Ji-Ag '64.
- Effect of thyroid hormones on sulfhydryl groups and the enzymatic activity of oxidase of D-amino acids. R. I. Khyl'chev'ska. Ukr. biokhim. zhur. 37 no. 4:207-217 '65.
- New reactions for detecting and identifying amino acids on chromatograms. R. P. Morozova. Ukr. biokhim. zhur. 37 no. 2:280-289 '65.
- Possibility of direct assimilation of amino acids by yeast. V. B. Kotov, S. A. Kononov. Feim. i spirt. prom. 31 no. 2:9-15 '65.
- Some results of studying Basidiomycetes as a source for obtaining feed proteins and diet-deficient amino acids. N. N. Falina and others. Rast. res. 1 no. 1:122-127 '65.

- Study of the anomalous dispersion of the optic rotation of metal chelates of aldimines of  $\alpha$ -amino acids and their derivatives as a method of determining configuration of the asymmetric center. I. U. M. Torchinskii, L. G. Koreneva. Biokhimiia 30 no. 1:39-44 Ja-F '65.
- Study of the kinetics of ADP-amino acid hydrolysis. V. G. Shestakov, Z. A. Shabarova, M. A. Prokof'ev. Biokhimiia 30 no. 1:74-80 Ja-F '65.
- Study of the N-terminal amino acid sequence in serum albumins of various animals. N. N. Orlovskaya, V. A. Bolitsa. Biokhimiia 29 no. 4:741-748 Ji-Ag '64.
- 3-Methyl-thio-hydantoins of amino acids. Part 3: Synthesis and properties of 3-methyl-2-thiohydantoins of basic amino acids, threonine, cysteine, and S-carboxymethylcysteine. V. M. Stepanov, V. F. Krivtsov. Zhur. ob. khim. 35 no. 6:902-906 Je '65.

- Use of nitrilium salts in the synthesis of heterocyclic amino acids. Part 2: Synthesis of 3, 4-dihydroisoquinoline-1-valeric and -anathic acids. S. G. Agabalian, L. A. Nersisyan. Izv. AN Arm. SSR Khim. nauk 17 no. 4:441-446 '61.

AMINO ACIDS—EFFECT ON PLANTS see Plants, Effect of amino acids on

## AMINO GROUP

- Effect of the catalyst on the rate of transamination on polyalkyl cyclosilazanes with aliphatic diamines. A. I. Morgunova, D. I. A. Zhinkin. Plast. massy no. 5:16-17 '65.

## AMINOTRANSFERASES see Transaminases

## AMMINES

- Ammoniates of Be, Mg, Ca, Al, Se, Y acetates. A. I. Gligor'ev, E. G. Pogodilova, A. V. Novoselova. Zhur. neorg. khim. 10 no. 1:772-778 Ap '65.
- Cleavage and photochemical isomerization of asymmetric platinum (IV) cis-diamines. I. I. Cherniaev, L. S. Korablina, G. S. Murav'skaya. Zhur. neorg. khim. 10 no. 5:1045-1050 My '65.
- Specific heat of palladium tetramine chloride over a temperature range of 105 to 290°K. G. A. Shaipalov, V. A. Sokolov. Zhur. neorg. khim. 10 no. 4:992-993 Ap '65.

## AMMONIA

- Characteristics of the dissolution of copper and its alloys in ammonia solutions. I. K. Marshakov, G. N. Saunova. Izv. vys. ucheb. zav., tsvet. met. 8 no. 1:147-151 '65.
- Effect of ammonia additives on the alkali fusion of the salts of aromatic sulfonic acids. V. V. Kozlov. Khim. prom. 41 no. 5:333-335 My '65.
- Effect of cathodic and anodic polarization of a catalyst for ammonia synthesis on its activity. Part 2. L. M. Dmitrienko, S. S. Lashinov, R. F. Sivakova. Khim. i kat. 6 no. 1:121-127 Ja-F '65.
- Interaction of GaS with gaseous ammonia at high temperatures. I. V. Tananayev, T. B. Kuvshinova. Zhur. neorg. khim. 10 no. 6:1507-1508 Je '65.
- Kinetics of ammonia absorption by its aqueous solutions in a column with glass sieve plates. O. M. Drebyshov, V. K. Raskidkin. Trudy IREA no. 25:137-145 '63.
- Kinetics of ammonia synthesis on alloys of iron and cobalt. N. M. Morozov, L. I. Luk'ina, M. I. Temkin. Khim. i kat. 6 no. 1:82-90 Ja-F '65.
- Kinetics of electrode processes on zinc amalgam in ammonia solutions. A. I. Molodov, V. V. Losev. Elektrokhimiia 1 no. 2:149-154 F '65.

## AMMONIA AS FERTILIZER

- Some problems of safety engineering in handling liquid ammonia and its water solutions. A. K. Chernyshev. Khim. v sel', khoz. 3 no. 4:18-19 Ap '65.

## AMMONIATES

- Effect of pH on the cathodic process during the electrodeposition of cadmium from sulfate ammoniate electrolytes. M. I. Fatkh Allu, K. M. Tutina, N. T. Kudriavtsev. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:90-103 '65.

## AMMONIUM CARBONATES

- Production of concentrated liquid ammoniate salts of carbon dioxide based on ammonium carbonate and urea. E. T. Sarancha, A. M. Abrosimova, L. V. Androeva. Khim. prom. 41 no. 5:383-384 My '65.

## AMMONIUM COMPOUNDS

- Conductance of benzene solutions of hydrogen chloride and tetra-n-butyl ammonium chloride. N. M. Alpatova, I. U. M. Kessler, A. I. Gorbanev. Izv. AN SSSR. Ser. khim. no. 6:980-994 '65.
- Preparation of tetrabutyl ammonium hydroxide by the electrochemical method using ion-exchange membranes. N. A. Dabanovskii and others. Trudy IREA no. 25:127-133 '63.

## AMMONIUM COMPOUNDS—PHYSIOLOGICAL EFFECT

- Mitochondria of the muscle tissue of *Ascaris suum* Goetz, 1758. Report no. 2: Effect of alcopar and some of its derivatives on the oxidation of the components of the Krebs cycle. I. I. Benediktov. Med. paraz. i paraz. bol. 33 no. 6:681-685 N-D '64.

## AMMONIUM COMPOUNDS—SPECTRA

- Infrared absorption spectra and structure of sulfate, bisulfate, and uranyl trisulfate of triethyl ammonium. A. A. Lipovskii, M. G. Kuzina. Zhur. neorg. khim. 10 no. 6:1380-1388 Je '65.

## AMMONIUM COMPOUNDS—THERAPEUTIC USE

- Organization of measures for the eradication of ancylostomiasis (focus in Karakul' District, Bukhara Province). E. A. Zhitovskaya and others. Med. paraz. i paraz. bol. 33 no. 6:707-710 N-D '64.

## AMMONIUM HYDROXIDE

- Reaction of ammonium hydroxide with uranyl nitrate and sulfate. N. I. Pechurova, L. M. Kovba, E. A. Ippolitova. Zhur. neorg. khim. 10 no. 4:918-922 Ap '65.

## AMMONIUM NITRATE

- Theoretical principles of the neutralization of ammonium nitrate production. I. A. I. Kil'man. Uzb. khim. zhur. 9 no. 1:23-30 '65.

## AMMONIUM SALTS

- Reaction of ammonium humate with  $\text{Ca}_3(\text{PO}_4)_2$ . E. Tukhsanov, M. N. Nabiev. Uzb. khim. zhur. 9 no. 1:5-7 '65.

## AMMONIUM SALTS—PHYSIOLOGICAL EFFECT

- Chemical composition of the meat of animals fed calcium and ammonium salts. G. I. Kvetkovskii, I. K. Slesarev. Khim. v sel', khoz. 3 no. 5:61-63 My '65.

## AMMONIUM SULFATE—EFFECT ON PLANTS see Plants, Effect of ammonium sulfate on

## AMMONIUM SULFIDES

- Continuous distillation of ammonium sulfide. V. I. Oratovskii, P. A. Gelsht, A. M. Gamol'skii. Trudy IREA no. 25:457-460 '63.

## AMMONIUM VANADATES

- $\text{NH}_4\text{VO}_3$  field in the systems  $\text{Na}^+ \cdot \text{NH}_4^+ | \text{Cl}^- \cdot \text{VO}_3^-$ — $\text{H}_2\text{O}(\text{I})$  and  $\text{Na}^+ \cdot \text{NH}_4^+ | \text{Cl}^- \cdot \text{VO}_3^-$ — $\text{H}_2\text{O}(\text{II})$  at 10 and 25°C. G. F. Pinaev. Zhur. neorg. khim. 10 no. 4:965-975 Ap '65.

## AMMONOIDEA

- (see also subdivision under Tien Shan)  
Oldest genus of the suborder Gephyrocetina. B. I. Bogoslovskii. Paleont. zhur. no. 2:50-54 '65.
- Principal complexes of Carboniferous ammonoids. V. E. Ruzhentsev. Paleont. zhur. no. 2:3-17 '65.

## AMMONOLYSIS

- Formation of a silazane bond in the ammonolysis of triorganochlorosilanes. L. I. A. Zhinkin, D. N. Malyuzova, Zh. V. Gotslavskaya. Zhur. ob. khim. 35 no. 6:1052-1054 Je '65.
- Simultaneous ammonolysis of triorganochlorosilanes with different radicals at the silicon atom. D. I. A. Zhinkin, G. N. Mal'nova, Zh. V. Gotslavskaya. Zhur. ob. khim. 35 no. 5:907-909 My '65.

## AMOEBA

- Effect of soil amoebae on the susceptibility of cotton to the fungus *Verticillium dahliae* Kleb. N. V. Tapti'skaya. Uzb. biol. zhur. 9 no. 1:16-18 '65.

## AMPEROMETRIC ANALYSIS see Conductometric analysis

## AMPHIBIA—EMBRYOLOGY see Embryology—Amphibia

## AMPHIBOLES

- (see also subdivision under Zerkashan Range)  
Study of the suitability of amphiboles for the determination of the absolute age of rocks by the potassium argon method. E. K. Gerling and others. Geokhimiia no. 2:219-223 F '65.

## AMPHIPODA see subdivision under Okhotsk, Sea of

## AMPLIFIERS (ELECTRONICS)

- Alekseev, S. K. [Calculation of optimum alternatives in multiple stage amplifiers] Raschet optimal'nykh variantov mnogostadiynykh usilitel. Moskva, Energiia, 1965. 190 p.
- Rizkin, A. A. [Principles of the theory and design of electronic amplifiers] Osnovy teorii i rascheta elektronnykh usilitel. Moskva, Energiia, 1965. 462 p.
- Signal-to-noise ratio in a pulse amplifier. N. D. Kurtev. Trudy VZII no. 26:107-112 '64.

## AMPLIFIERS, ELECTRON-TUBE

- Analysis of the phase characteristics of a single-stage electron-tube amplifier with automatic amplification control according to the constant component of the cathode current. V. M. Volkov, G. K. Konevskii, M. F. Levin. Radiotekhnika 20 no. 3:31-35 Mr '65.
- Features of complex compensation of the amplitude-frequency characteristics of an amplifier. A. I. Kalinin, A. T. Matyushin. Radiotekhnika 20 no. 4:45-49 Ap '65.
- Synthesis of selective systems with smoothly regulated passband and constant phase-frequency characteristics. V. G. Vol'pian, A. M. Shloma. Elektrosvaz' 19 no. 5:20-20 My '65.

## AMPLIFIERS, ELECTRON-TUBE—RELIABILITY

- Reliability of electron amplifiers with negative feedback. V. M. Abramov. Vest. TSNIi MPS 24 no. 1:20-24 '65.

## AMPLIFIERS, TRANSISTOR see Transistor amplifiers

## AMU DARYA VALLEY—SALINE AND ALKALI SOILS

- Rabochev, I. S. [Improvement of salinized soils in the middle Amu-Dar']. Ashkhabad, Turkmenkoe izd-vo, 1964. 254 p.

## AMUR PROVINCE—PENSIONERS

- Relying on active workers. V. Novikov. Okhr. truda i sots. strakh. 8 no. 5:17 My '65.

## AMUR RIVER—LAMPREYS

- Behavior of the Pacific lamprey in the Amur River. I. A. Gudoshnikov, L. M. Krykhtin. Ryb. khoz. 41 no. 5:23-24 '65.

#### AMUR VALLEY—BONES—DISEASES

Changes in the extremity locomotor apparatus of adult inhabitants of the Amur Valley with the Kaschin-Beck disease. M. S. Romanova. Vest. rent. i rad. 40 no. 2: 59-60 Mr.-Ap '65.

#### AMUR VALLEY—JOINTS—DISEASES

Changes in the extremity locomotor apparatus of adult inhabitants of the Amur Valley with the Kaschin-Beck disease. M. S. Romanova. Vest. rent. i rad. 40 no. 2: 59-60 Mr.-Ap '65.

#### AMYLASE

Activating the synthesis of amylolytic enzymes by means of the *Aspergillus usami* 3758-45 fungi. I. I. Burachevskii. Ferment. i spirit. prom. 31 no. 2: 6-8 '65.

#### ANABAR VALLEY—BIRDS

Materials on birds of the northern Anabar tundra. S. M. Uspenskii. Zh. orn. i zool. muz. MGU 9: 63-97 '65. Observations on birds of the Anabar tundra (transpolar Yakutia Northwest). N. A. Gladkov, V. S. Zaitsev. Zh. orn. i zool. muz. MGU 9: 38-62 '65.

#### ANABASINE

Anabesine as curing agent for epoxy resins. I. U. N. Forstman and others. Plast. massy i ro. 3: 60-62 '65. 4(2-N-methylarsabenzazole)-resorcinol as an analytical reagent. Sh. T. Taisov, Kh. S. Abdullayeva, K. G. Nigali. Uzb. khim. zhur. 3 no. 1: 34-37 '65.

#### ANADYR' REGION—TRICHINA AND TRICHINOSIS

Trichinellosis in dogs. N. I. Ostukova. Zool. zhur. 44 no. 5: 765-767 '65.

#### ANALYSE, THERMAL see Thermal analysis

#### ANALYTIC FUNCTIONS see Functions, Analytic

#### ANALYTIC MECHANICS see Mechanics, Analytic

#### ANALYTICAL CHEMISTRY see Chemistry, Analytical

#### ANAPHALIS see subdivision under Kazakhstan

#### ANAPHYLAXIS

Anaphylaxis in cows after the administration of pregnant mare's serum and blood. P. I. Shatalov, M. G. Shubina. Veterinaria 42 no. 5: 87-89 My '65.

Lymphoid apparatus of the intestine in rabbits under normal conditions and in artificial sensitization. T. V. Ponomareva. Arkh. anat. i gist. i embr. 48 no. 4: 67-74 Ap '65.

Protein function of the liver in sensitization. V. S. Giguiri. Zh. mikrobiol., epid. i immun. 42 no. 1: 27-31 Ja '65.

#### ANAPLASMOSES

Epizootiology and therapy of anaplasmosis in sheep. V. V. Kalagin. Veterinaria 42 no. 6: 58-59 Ja '65.

#### ANATOMY, COMPARATIVE

Study of the remnants of the human musculi peronei digitorum. A. Kanev. Arkh. anat. i gist. i embr. 48 no. 3: 70-78 Mr '65.

#### ANCHORAGE

Determining the necessary length of the anchor chain depending on the depth of anchorage. V. Chudov. Mor. flot. 25 no. 4: 19-20 Ap '65.

#### ANCHOVIES see subdivision under Black Sea

#### ANDIZHAN—WOOD—USING INDUSTRIES—BY-PRODUCTS

Production of "snil" in the Andizhan Hydrolysis Plant. T. V. Izumrudova and others. Gidroliz i lesokhim. prom. 18 no. 4: 16-17 '65.

#### ANDREEV, LEONID NIKOLAEVICH, 1871-1919

[Literary legacy] Literaturnoe nasledstvo, Red. I. I. Anisimov i dr. Moskva, Izd-vo Akad. nauk SSSR, Vol. 72, [Gor'kii and Leonid Andreev; unpublished correspondence] Gor'kii Leonid Andreev, neizdannaya perepiska, 1965, 630 p.

Proxycorticoesteroids  
Druzhina.

1, 1892-1919  
rious; a document-  
tal'naia povest',  
v zhizni, nauke,  
(10)

slam in anemia,  
8 F '65.  
I. U. N.,  
udy Inst. im. N. V.

on glycerol  
D. P.  
SSR. Ser. sel'-

#### ANESTHESIA

Anesthesia in emergency surgery on senile persons. B. G. Zhilis, O. D. Faibrun, A. A. Firosov. Trudy Inst. im. N. V. Sklif. 9: 170-174 '63.

Anesthesia in surgery on craniocerebral traumas. V. V. Lebedev, B. G. Zhilis, B. V. Chetverushkin. Trudy Inst. im. N. V. Sklif. 9: 222-225 '63.

Anesthesia in surgery on elderly persons. O. D. Kolints-kala, V. G. Boisov. Trudy Inst. im. N. V. Sklif. 9: 193-196 '63.

Basis for selecting the method of anesthesia in surgery on gastroduodenal hemorrhages. I. N. Lishova. Inst. im. N. V. Sklif. 9: 206-209 '63.

Characteristics of anesthesia in emergency surgical interventions. T. A. Damir and others. Trudy Inst. im. N. V. Sklif. 9: 175-180 '63.

Characteristics of pathophysiological shifts during an experimental operation for the removal of an intracerebral hematoma using certain types of anesthesia. N. M. Chebotareva, B. I. Slovikov, D. I. Kuznetsov. Trudy Inst. im. N. V. Sklif. 8: 35-42 '63.

Characteristics of preanesthesia preparation, anesthesia and postanesthesia period in surgical treatment of osseous tumors in elderly and senile patients. I. I. Sokolov, B. V. Chetverushkin. Trudy Inst. im. N. V. Sklif. 9: 181-188 '63.

Comparative course of the operative period in patients during surgery for an acute craniocerebral trauma under various types of anesthesia. B. V. Chetverushkin, V. B. Rumiantsev. Trudy Inst. im. N. V. Sklif. 8: 43-46 '63.

Course of anesthesia, the operation and the postoperative period in patients with cancer of the esophagus following X-ray irradiation. P. K. D'ishenko. Vop. onk. 10 no. 12: 10-15 '64. Effect of anesthesia on cardiac reactivity to the stimulation of the vagus nerve in compensatory hyperfunction of the heart. V. I. Kapel'ko. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7: 49-50 '64.

Methods and some results of the use of anesthesia for the prevention and treatment of traumatic shock under work conditions of the antishock teams of the first medical aid station of the city of Moscow. G. P. Ambat'ello and others. Trudy Inst. im. N. V. Sklif. 8: 249-254 '63.

Modern methods of anesthesia in surgery on senile persons. A. P. Zil'ber. Trudy Inst. im. N. V. Sklif. 9: 218-221 '63.

Review of G. P. Zaitsev and V. A. Gologorskii's book "Potentiated anesthesia in a surgical clinic." A. V. Smirnov, M. O. Sternin. Vest. khim. 93 no. 11: 120-131 N '64.

Selection of anesthesia for senile persons. N. I. Ervantsev. Trudy Inst. im. N. V. Sklif. 9: 240-244 '63.

Selection of anesthesia in surgery on perforating wounds of the thoracic and abdominal cavities. I. U. S. Galizler, T. S. Putievskaya. Trudy Inst. im. N. V. Sklif. 9: 197-201 '63.

#### ANESTHESIA—COMPLICATIONS AND SEQUELAE

Anesthesia in surgery on peptic ulcer of the stomach and duodenum and its complications in elderly and senile patients. V. B. Rumiantsev. Trudy Inst. im. N. V. Sklif. 9: 202-205 '63.

Prevention and treatment of vomiting and regurgitation of the contents of the stomach in anesthesia in emergency surgery. G. A. Lukin-Butenko and others. Trudy Inst. im. N. V. Sklif. 9: 233-239 '63.

Pulmonary complications in patients with acute surgical diseases of organs of the abdominal cavity under various methods of anesthesia. I. N. Ershova, V. V. Rumiantseva. Trudy Inst. im. N. V. Sklif. 9: 214-217 '63.

Regurgitation and vomiting during anesthesia under conditions of emergency surgery. Z. V. Platonova. Trudy Inst. im. N. V. Sklif. 9: 245-248 '63.

#### ANESTHESIA IN VETERINARY SURGERY

Use of aminazine in veterinary surgery. P. Kh. Terokhov. Veterinaria 41 no. 6: 73-75 Je '64.

#### ANESTHESIOLOGY

Discussions at the sessions. Trudy Inst. im. N. V. Sklif. 9: 278-303 '63. Theoretical fundamentals and prospects in the development of anesthesiology. T. M. Darbinian, A. I. Treashchinskii, B. S. Uvarov. Sov. med. 28 no. 4: 148-150 Ap '65.

#### ANESTHESIOLOGY—EQUIPMENT AND SUPPLIES

Iurevich, V. M., and A. S. Perel'mutr. [Anesthesia and anesthetic apparatus] Narkoz i narkoticheskie apparaty, Moskva, Meditsina, 1965, 219 p. (Biblioteka prakticheskogo vracha) (DNLM)

#### ANESTHETICS

Local anesthetic activity of stereoisomers of benzoate hydrochloride of 1-ethyl-2-methyl-4-oxydecahydroquinoline and 1-propyl-2-methyl-4-oxydecahydroquinoline. I. I. Chebekova. Trudy Inst. fiziol. AN Kazakh. SSR 7: 28-33 '64.

#### ANEURYSMS

Case of aneurysmal vascular dilatation in the lungs. N. P. Gurskii, P. L. Mikhlin. Vest. rent. i rad. 40 no. 1: 61-62 Ja-F '65.

Clinical aspects and treatment of oplopya specified arteriovenous aneurysm of cerebral vessels. I. I. Raskhov. Zh. nevrol. i psikh. 61 no. 1: 1641-1642

Oscillography in operations for arterial and arteriovenous aneurysms of the extremities. A. A. Tokin. Trudy Inst. im. N. V. Sklif. 5 no. 2: 115-121 '62.

#### ANGARA RIVER—ICE

Calculation of the ice and temperature regime of the water of the Bratsk Hydroelectric Power Station during operation. I. A. L. Gidlib V. M. Lylo, N. I. Smolin. Trudy Transp. energ. inst. Sib. odd. AN SSSR no. 15: 50 '61.

Characteristics of the freezing of the Angara under conditions of significant contraction of the channel of the Bratsk Hydroelectric Power Station. I. A. L. Gidlib V. M. Lylo, N. I. Smolin. Trudy Transp. energ. inst. Sib. odd. AN SSSR no. 15: 37-41 '61.

Passage of ice through the dam of the Bratsk Hydroelectric Power Station during the debacle of the Angara 1960-1961. I. P. Bataglin, I. A. Lylo, V. M. Lylo. Trudy Transp. energ. inst. Sib. odd. AN SSSR no. 15: 59 '64.

#### ANGARA VALLEY—RUSSIANS

Some characteristics of the social and family life of the Russian population in the Angara Valley during the first years of the Soviet regime, 1919-1920. I. M. Saburova. Sov. etn. no. 2: 20-29 Mr.-Ap '65.

#### ANGELICA

Chemical study of Angelica sachalinensis Maxim. G. Nikonov, M. G. Pipenov. Khim. prirod. veshch. no. 1: 73-75 '65.

Materials on the morphology of the group Angelicaceae. Report No. 1. Study of the fruit anatomy of Angelica sylvestris L. as a lectotype of the genus Angelica L. V. N. Tikhomirov, O. N. Galachova. Bot. MOI P. 1964. 70 no. 1: 111-110 Ja-F '65.

#### ANGINA PECTORIS

Treatment of thoracic radiculitis and stenocardia with bee venom. V. I. Sal'nikov. Trudy Inst. im. N. V. Sklif. 5 no. 2: 174-178 '62.

#### ANGIOGRAPHY

Anesthesia in carrying out cerebral angiography in patients with acute craniocerebral traumas. B. V. Chetverushkin, V. B. Rumiantsev, I. I. S. Joffe. Trudy Inst. im. N. V. Sklif. 9: 212-216 '63.

Arteriographic data on some characteristics of arteriosclerosis of lower extremities in diabetes mellitus. I. S. Klemashov. Probl. endok. i gorm. 10 no. 5: 17-20 S-O '64.

Role of serial angiography in early topical diagnosis of intracranial hematomas during the acute period of craniocerebral traumas. A. A. Shlykov, E. I. A. Sheherbakova. Trudy Inst. im. N. V. Sklif. 9: 113-121 '63.

#### ANGIOMATOSIS

Rendu-Osler's disease or multiple hemorrhagic telangiectasia. Kh. A. Ovanetskiy. Trudy Inst. im. N. V. Sklif. 5 no. 2: 224-227 '62.

#### ANGREN REGION (UZBEKISTAN)—LANDSLIDES

History of the geological development of the Angren brown coal deposit and landslide phenomena. G. Zakladov. Uzb. geol. zhur. 9 no. 2: 30-35 '65.

#### ANGREN REGION (UZBEKISTAN)—LIGNITE

History of the geological development of the Angren brown coal deposit and landslide phenomena. G. Zakladov. Uzb. geol. zhur. 9 no. 2: 30-35 '65.

#### ANHYDRIDES

Reactions of aluminum triisopropylate with peroxides and anhydrides. G. A. Razuvaev, I. P. Stepanov, E. V. Mitrofanova. Zhur. ob. khim. 36 no. 6: 1035-1039 Je '65.

#### ANHYDRITE see subdivision under Ukraine

#### ANILIDES

Reaction of ketone with nitrogen-containing bases. I. A. I. Reaction of chloroacetyl pyridinium anilides. I. U. V. Svetkin. Zhur. ob. khim. 35 no. 5: 830 My '65.

#### ANILINE

Extraction of sulfuric acid and uranyl sulfate with N-alkylanilines. O. E. Zviaginina and others. Zhur. neorg. khim. 10 no. 4: 981-985 Ap '65.

Some physical and physicochemical constants of m- and p-chloroaniline and m- and p-chlorophenylisocyanates. A. A. Zakitin, V. L. Kochevskiy, I. U. A. Streptchev. Khim. prom. 41 no. 5: 338 My '65.

#### ANILINE—SPECTRA

Theory of the origin of the absorption spectra of 2, 4-dinitroaniline and 2, 4-dinitrodiphenylamine. Experimental confirmation of the presence of quasiconducting chromophore systems. E. E. Millerov, V. A. Izmailov. Zhur. ob. khim. 35 no. 5: 776-785 My '65.

#### ANIMAL LOCOMOTION

Body form of Cephalopoda. G. V. Zuev. Trudy SBS 17: 378-387 '64.

## ANIMAL LOCOMOTION (Continued)

- Dolphin body as an airfoil. I. U. G. Aliev. Zool. zhur. 44 no. 3 626-630 '65.  
Methods of studying individual home ranges of rodents with the help of live traps. N. A. Nikitina. Zool. zhur. 44 no. 4 598-605 '65.

## ANIMAL MIGRATION

- Akumushkin, I. I. [Where to? And how?] Kuda? I kak? Moskva, Mysl', 1965. 202 p. (Rasskazy o prirode)

## ANIMAL POPULATIONS see subdivision under Taymyr Peninsula

## ANIMAL WASTE see subdivision under Bulgaria

## ANIMALS, HABITS AND BEHAVIOR OF

- Akademii nauk SSSR. Ob'edinennyi nauchnyi sovet "Fiziologiya cheloveka i zhivotnykh." [Complex behavior forms] Slozhnye formy povedeniya. Moskva, Nauka, 1965. 232 p.  
Blue express. I. S. Sonnovskii. Doshk. vosp. 38 no. 6: 67-71 Je '65.

## ANIMALS AS CARRIERS OF DISEASE

- (see also subdivision under Osetia, North; Transcarpathia)

Role of farm animals in the formation of anthropogenic foci of leptospirosis. V. V. Medvedev, A. F. Isirehov. Zhur. mikrobiol. epid. i immun. 42 no. 3 142 Mr '65.

## ANIONS

- Relation between the adsorption of cations and anions on platinum from acid solutions at different potentials. N. A. Balashova, V. E. Kazarinov. Elektrikhimia 1 no. 5 512-516 My '65.

## ANISOLE

- p-Anisyl derivatives of polonium. V. D. Nefedov and others. Radiokhimia 7 no. 2 215-246 '65.

## ANISOTROPY

- Effect of the orientation of molecular chains on the dielectric anisotropy of fibers. I. Z. Elfer, E. Z. Fainberg, N. V. Mikhailov. Khim. volok. no. 2 48-50 '65.  
Studying the anisotropy of the mechanical properties of plates made from thermoplastic resins during extrusion. V. S. Kim, A. N. Levin. Plast. massy no. 3 48-52 '65.

## ANKLE—SURGERY

- Anatomic substantiations of expedient incisions for draining the talocalcaneal joint. G. A. Mikhailov. Vest. khir. 93 no. 11 73-78 N '64.

## ANKYLOSIS

- Reiter's syndrome with ankylosing spondylarthritis. V. V. Orlovskovskii, S. I. Dovzhanik, A. A. Krupicheva. Vest. dermat. i ven. 38 no. 6 90-91 Je '64.

## ANNA DISTRICT—EDUCATION, PRESCHOOL

- In the Anna District. A. Proskurkova. Doshk. vosp. 38 no. 3 31-32 Mr '65.

## ANNEALING OF METALS

- Grafitizing annealing of cast iron. D. N. Khudokormov, V. D. Bolotskii. Lit. proizv. no. 3 11-12 Mr '65.

## ANNIVERSARIES

- Noteworthy dates. July. Nar. obr. no. 6 127 Je '65.  
Noteworthy dates. Nar. obr. no. 7 127 Ji '65.

## ANONYMS AND PSEUDONYMS

- Further studies are needed. I. Trofimov. Vop. lit. 9 no. 6 182-184 Je '65.  
Pseudonyms have been incorrectly interpreted. V. Travnikov. Vop. lit. 9 no. 6 180-182 Je '65.

## ANOPELOPHALA

- Epizootiology of Anoplocephala infestation of sheep. M. I. Shlychkov. Veterinaria 42 no. 5 82-83 My '65.

## ANOXEMIA

- Effect of acclimatization to hypoxia on the growth and radiosensitivity of rat lymphosarcoma. G. A. Vasil'ev and others. Med. rad. 10 no. 2 36-40 F '65.  
Forum of scientists devoted to the special characteristics of muscular activity under conditions of oxygen shortage. V. V. Mikhailov. Teor. i prakt. fiz. kult. 28 no. 6 77-79 Je '65.

- Oxygen supply of the brain in circulatory hypoxia. E. A. Kovalenko, V. B. Kozner. Fiziol. zhur. 61 no. 5 547-553 My '65.

## ANSERINE

- Participation of carnosine and anserine in the glycolytic and oxidative processes in a muscular tissue. N. P. Meshkova, O. E. Karlavkina. Biokhimia 30 no. 1 88-94 Ja-F '65.

## ANTARCTIC OCEAN—OCEANOGRAPHY

- Water masses and vortical structure of Antarctic waters. A. V. Fomichev. Trudy VNIRO 57:63-77 '68.

## ANTARCTIC REGIONS—RUSSIAN EXPLORATION

- Sovetskaya antarkicheskaya ekspeditsiya, 1955-1956. [Transactions of the Soviet Antarctic Expedition, 1955-1956.] Trudy. Leningrad, Morskoi transport. Vol. 35. [Fifth Continental Expedition, 1960; materials on geomagnetic observations and observations of earth currents.] Plana kontinental'naya ekspeditsiya, 1960, materialy geomagnitnykh nabludenii i nabludenii za zemnymi tokami. Pod red. P. K. Sen'ko, 1963. 378 p.

## ANTARCTIC REGIONS—SOLAR RADIATION

- Radiation balance and radiation changes of temperature in the troposphere of the Antarctic coast. B. A. Platenkov. Trudy AANII 273:187-205 '65.

## ANTARCTIC REGIONS—SEISMOLOGY

- Seismic map of Antarctica in memory of N. A. Lindén. S. D. Kogan, I. P. Pesechnik, D. D. Sultanov. Izv. AN SSSR, Fiz. zem. no. 2 1-4 '65.

## ANTENNAS (ELECTRONICS)

- Amplification losses of antennas during long-distance tropospheric propagation. L. G. Nazarova. Elektrosviaz' 19 no. 4 71-75 Ap '65.

- Device for recording the radiation patterns of transmitting antennas from an airplane. F. T. Gein. Vest. svyazi 25 no. 4 6-6 F '65.

- Linear antennas with a low side lobe level. V. G. Iampol'skii. Elektrosviaz' 19 no. 4 15-22 Ap '65.

- Linear system of spherical radiators. E. A. Ivanov. Radiotekhnika i elektronika 10 no. 6 1005-1012 Je '65.

- Maximum directivity of radiator systems with symmetry. D. B. Syvanakhi. Radiotekhnika i elektronika 10 no. 6 997-1004 Je '65.

- Measurement of side radiation and phase diagrams of antennas in the near zone. V. B. Tseltin. Radiotekhnika i elektronika 10 no. 6 1127-1131 Je '65.

- Radiation from an extended spherical impedance antenna. G. T. Markov, D. A. Duplenkov, N. F. Osipovich. Izv. vys. ucheb. zav. radiofiz. 8 no. 1 142-152 '65.

- Radiation pattern of a slot antenna on a thick cylinder with finite length. E. N. Vasil'ev, A. R. Sorogina. Radiotekhnika i elektronika 10 no. 4 127-31 Ap '65.

- Relationship between the problem of the synthesis of a radiator and the inverse problem of the theory of dispersion. Trudy VZEL no. 26 81-75 '64.

- Theory of the synthesis of antennas. V. N. Dymekii. Izv. vys. ucheb. zav. radiofiz. 8 no. 2 401-404 '65.

## ANTHELMINTICS

- Anthelmintics in mixed feeds. V. I. Petrochenko, A. I. Korchiagin. Veterinaria 41 no. 6 54-56 Je '64.  
Therapeutic and chemoprophylactic means against diroscelliosis. V. D. Akopian. Veterinaria 42 no. 6: 54-55 Je '65.  
Treating chickens with ascaridiasis. N. M. Shurinov, O. M. Baladzhiev. Veterinaria 41 no. 6 63-64 Je '64.

## ANTHRACENE

- Hydrogenation of a raw anthracene fraction at 50 atm. pressure on an industrial aluminum-cobalt-molybdenum catalyst. I. A. R. Katsobashvili, E. I. El'bert. Zhur. prikl. khim. 38 no. 4 930-936 Ap '65.

## ANTHRACITE COAL

- Production of activated carbon from anthracite in fluidized bed ovens. K. I. E. Makhorin, A. M. Hlukhomanak. Khim. prom. [Ukr.] no. 2 22-25 Ap-Je '65.

## ANTHRAX—PREVENTIVE INOCULATION

- Dynamics of immunologic and morphological reactions in experimental vaccination against anthrax. E. N. Shliakhov, I. G. Shroft, T. A. Burdenko. Zhur. mikrobiol. epid. i immun. 42 no. 3 106-111 Mr '65.  
Immunogenicity of chemical anthrax vaccine in experiments on sheep. N. I. Aleksandrov and others. Zhur. mikrobiol. epid. i immun. 42 no. 1 57-60 Ja '65.

## ANTHROPOLOGY

- The theory of race studies at the Seventh International Congress of Anthropological and Ethnological Sciences. V. P. Alekseev. Sov. etn. no. 2 3-18 Mr-Ap '65.

## ANTHROPOLOGY—CONGRESSES

- The Seventh International Congress of Anthropological and Ethnological Sciences. A. Orzov, O. Berdyev, D. Khulaberdiev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6 94-96 '64.

## ANTI-AIRCRAFT ARTILLERY

- Air shield of the motherland. N. Petukhov. Komch. Vooruzh. Sil. 48 no. 8 48-50 Ap '65.  
Anti-aircraft defense at sea. A. S. Filimonov, M. V. Patrikoltsev. Mor. sbor. 48 no. 4 95-96 Ap '65.

## ANTIBIOTICS

- Antibiograms of dysenteric bacilli based on data of the Krasnodar Territorial Sanitary-Epidemiological Station. O. P. Garina, A. E. Erykova, N. K. Guseva. Antibiotiki 10 no. 6 465-466 My '65.

- Antimicrobial activity of preparations from some sage species. N. A. Derbeneva, S. O. Matvienko, T. I. A. Omel'chuk. Mikrobiol. zhur. 27 no. 3 76-80 '65.

- Clinical microbiological characteristics of salmonellosis patients treated with monomycin. G. V. Voronova, M. Chakutinskaya. Antibiotiki 10 no. 5 461-465 My '65.

- Determination of the equivalent weight, ionogenic group numbers, and molecular weight of the antibiotic ristomycin. G. V. Samsonov, E. D. Etingov. Antibiotiki 10 no. 5 401-405 My '65.

- Determining the dose of antibiotics in toxic dyspepsia of calves. V. M. Dodkopaev. Veterinaria 41 no. 4 55-58 Ap '65.

- Discussion on the use of antibiotics and preservatives in the food industry. T. P. Ovcharova. Kons. i ov. prom. 20 no. 3 41-43 Mr '65.

- Duration of preserving enzymatic variability in Salmonella. E. G. Livkina, I. B. Popov, E. I. Katsseva. Antibiotiki 10 no. 5 450-451 My '65.

- Effect of antibiotics in paratyphoid fever of young pigs. V. A. Fortushnyy, P. N. Shmidov. Veterinaria 41 no. 4 23-25 Ap '65.

- Effect of antibiotics on cocci as causative agents of mastitis in brood sows. M. I. Fonomareva. Mikrobiol. zhur. 27 no. 3 59-64 '65.

- Effect of antibiotics on the formation of immunity in chickens with pasteurellosis. K. P. Chepurov, S. K. Bzhezhinskii. Veterinaria 42 no. 6 29-31 Je '65.

- Effect of sour milk antibiotics on Mycobacterium tuberculosis. V. A. Tarasnik. Veterinaria 42 no. 6 84-88 Je '65.

- Effect of streptomycin, tetracycline and levomycetin on the synthesis of group B vitamins by dysentery bacteria. O. A. Kiprianova. Mikrobiol. zhur. 27 no. 3 53-59 '65.

- Effect of tetracycline, levomycetin, monomycin and streptomycin on Salmonella typhimurium phagocytized by macrophages. O. N. Epzemplarov. Antibiotiki 10 no. 5 420-424 My '65.

- Habituation of Staphylococcus to halogen salicylanilides and some antibiotics. L. O. Vanyeva, L. M. Lysenk, M. M. Roimistrov. Mikrobiol. zhur. 27 no. 3 71-75 '65.

- Kaluzhnaia-Lukashov, G. M. [Combined use of staphylococcal anatoxins and antibiotics in supportive septic processes] Kombinirovannoe primeneniye stafillokoko-vo-ano-toksina i antibiotkov pri gnoino-septicheskiy protsessakh. Moskva, Meditsina, 1963. 73 p. (Biblioteka prakticheskogo vracha) (DNLM)

- Mechanism of the action of antibiotic 2703 (chrisomallin). V. M. Dillman. Vop. onk. 11 no. 1 41-45 '65.

- Monomycin-dependent forms of Brucella. V. S. Uralov. Antibiotiki 10 no. 5 428-432 My '65.

- Production of some olivomycin derivatives and their physicochemical characteristics. A. S. Mezentsov and others. Antibiotiki 10 no. 5 410-414 My '65.

- Prophylaxis and therapy of the parturient canals in cows using triellin. P. S. Okun'kov. Veterinaria 41 no. 6 80-87 Ap '65.

- Resistance development and the cross-resistance of staphylococci to oleandomycin and nekanin. T. M. Bass. Antibiotiki 10 no. 5 451-455 My '65.

- Selective hydrolysis of 0, 0'-diacetylacetatomolide and a comparison of the synthetic and biosynthetic types of the antibiotic V. K. Antonov and others. Antibiotiki 10 no. 5 387-390 My '65.

- Sensitivity of typhoid bacteria isolated from patients to various antibiotics. G. R. Finn. Antibiotiki 10 no. 5 471-472 My '65.

- Use of native antibiotics in sheep husbandry. P. M. Butov, V. I. Kuznetsov. Vest. sel'khoz. nauk [Kazakh] 6 no. 2 44-46 F '65.

- Vibriotoxic effect of some antibiotics on Vibrio fetus veneralis. A. V. Golikov, A. L. Artemova. Antibiotiki 10 no. 5 435 My '65.

## ANTIBIOTICS—SIDE EFFECTS

- Candidiasis consecutive to the use of antibiotics. I. S. Popov and others. Vest. dermat. i ven. 38 no. 6 37-41 Je '64.

- Planets, Kh. Kh., and A. M. Kharitonova. [Side effects in the antibiotic therapy of bacterial infections] Pobo-nye iavleniya pri antibiotikoterapii bakteriialnykh infektsii. [Ed. 2, perer. i dop.] Moskva, Meditsina, 1964. 428 p. (DNLM)

## ANTIBIOTICS AS FEED

- Antibiotics as stimulants of the growth and development of piglets. L. S. Novostreva, A. A. Volgina. Trudy GSKHI 9:202-205 '63.

## ANTICOAGULANTS (MEDICINE)

- Anticoagulant treatment of patients in an acute stage of brain infarct. S. V. Babenkova, V. M. Karpinskaya. Zhur. nevro. i psikh. 64 no. 11 1653-1660 '64.

- Study of coronary circulation in the combined use of contrast media and anticoagulants. V. V. Vasil'eva, K. M. Lakin, P. V. Sergeev. Vest. rent. i rad. 39 no. 16-20 N-D '64.

## ANTICOMMUNIST MOVEMENTS see subdivision under United States



ANTICOMMUNIST PROPAGANDA see Propaganda, Anticomunist

#### ANTIGENS AND ANTIBODIES

Antigenic differences between the tumorous and homologous normal tissues detected by means of normal tissue antibodies M. S. Lomakin, I. S. Krivosheina. *Biul. eksp. biol. i med.* 59 no. 6:81-86 Je '65

Antigenic properties of deoxyribonucleic acid, A. G. Skaronskaya. *Usp. sov. biol.* 59 no. 3:374-384 My-Je '65

Antigenic properties of the protoxin of the type E Clostridium botulinum T. I. Bulato, A. Zhur. *Mikrobiol., epid. i immun.* 42 no. 1:5-10 Ja '65

Antigens of Hemophilus pertussis: a review, A. A. Sumyok. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:72-76 Ja '65

Basic nonspecific protective factors against virus infections in a warm-blooded organism A. A. Smorodintsev. *Vop. virus.* 9 no. 3:587-597 S-O '64

Characteristics of antibodies fixed to particles and prospects of their use in microbiology. Report No. 6, A. K. Adamov, Zhur. mikrobiol., epid. i immun. 42 no. 2:100-105 F '65

Complexity of the somatic antigens of Clostridium perfringens types A, B, C, D, E and F. B. D. Bychenko, Zhur. mikrobiol., epid. i immun. 42 no. 2:131-136 F '65

Conditions of the formation of typhoid antibodies of various physicochemical nature. E. V. Chernokhovostova and others. Zhur. mikrobiol., epid. i immun. 42 no. 2:13-19 F '65

Cytological and immunological reaction of lymphoid organs on the intravenous introduction of enterovirus antigen N. A. Graevskaya, I. Z. Nepomniashchii. *Biul. eksp. biol. i med.* 59 no. 6:73-76 Je '65

Detection of similar antigenic determinants in embryo-specific  $\alpha$ -globulins in man and some animals. I. U. S. Tatarinov, A. V. Afanas'eva. *Biul. eksp. biol. i med.* 59 no. 6:65-69 Je '65

Discovery of fixed antibodies on the cells of skin homografts. E. A. Zolotarev and others. *Pat. fiziol. i eksp. terap.* 8 no. 5:52-55 N-D '64

Effect of deposition on the distribution of total antigen from Gärner's culture, labelled with carbon ( $C^{14}$ ). G. V. Shumskaya, I. B. Frazdova. Zhur. mikrobiol., epid. i immun. 42 no. 2:8-13 F '65

Effect of pentoxyl on the normal antibody content in chronic hemorrhages. Z. P. Igant'eva. *Pat. fiziol. i eksp. terap.* 8 no. 6:70 N-D '64

Effect of prolonged preservation of tumor tissue in formalin on its antigenic properties. S. P. Lisova. *Mikrobiol. zhur.* 27 no. 3:24-27 '65

Fluorescent antibodies for the detection of Rickettsia: a review of literature. N. M. Balasova, E. N. Lezina, M. I. Korn. Zhur. mikrobiol. epid. i immun. 42 no. 3:17-21 Mr '65

Interaction of the Rous virus with mouse cells in vitro. I. B. Obukh, I. N. Krivokoz. *Vop. virus.* 9 no. 5:538-543 S-O '64

Koslovskiy, P. N. [Immunology of isoantigens and isoantibodies] Immunologiya izoantigenov i izoantitel, Moskva, Meditsina, 1965. 311 p. (DNLM)

Nature of the antigen structure and biological properties of the type A<sub>1</sub> influenza virus in the process of natural evolution (1957-1959). T. P. Iateli. *Sbor. nauch. trud. Inst. infek. bol.* no. 5:36-41 '64

Postvaccinal and postinfection immunity in tick-borne encephalitis. B. F. Semenov and others. *Vop. virus.* 9 no. 5:597-601 S-O '64

Preservation of influenza antigen in cadaveric material. E. V. Sidorenko. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:87-90 '64

Production of toxoplasmosis antigens in tissue culture. G. T. Akimshina, L. J. Gracheva. *Med. paraz. i paraz. bol.* 33 no. 6:661-665 N-D '64

Purification of fluorescing conjugates from free fluorochrome with ion exchangers. Report No. 2. Comparative results of purification of fluorescent antibodies by ion-exchange methods and filtration through gel. I. O. Dashkevich, G. M. Maiboroda, R. B. Goldina. Zhur. mikrobiol., epid. i immun. 42 no. 2:116-120 F '65

Rate of antibody accumulation in patients during the early period following vaccination and revaccination against tick-borne encephalitis. M. P. Chumakov and others. *Vop. virus.* 9 no. 5:601-604 S-O '64

Resistance to the virus and cell antigens of Rous sarcoma R. M. Radtsikhovskaya. *Vop. onk.* 11 no. 1:39-42 '65

Stimulating effect of the BCG vaccine on the genesis of antibodies. N. N. Klemparakaya, G. A. Shal'nova. *Biul. eksp. biol. i med.* 59 no. 6:69-73 Je '65

Study of antigenic substances of Streptococcus viridans. N. I. Fal'. *Mikrobiol. zhur.* 27 no. 3:20-24 '65

#### ANTIGENS AND ANTIBODIES—ANALYSIS

Detection of antigens and antibodies in infectious hepatitis patients by the precipitation in gel reaction. N. B. Proskuriakova. Zhur. mikrobiol., epid. i immun. 42 no. 3:34-38 Mr '65

Study on virus-neutralizing antibodies to adenoviruses in infants. S. V. Pervachenko. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:228-232 '64

Use of immunosorbents for determining absolute quantities of haptens and antigens A. M. Olovnikov. *Biokhimiya* 29 no. 4:680-684 Ji-Ag '64

Use of the immunoelectrophoretic method in the study of the antigenic structure of helminths, survey of the literature O. M. Sokolovskaya. *Med. paraz. i paraz. bol.* 33 no. 6:735-738 N-D '64

#### ANTIMALARIALS—TOXICOLOGY

Toxic effect of synthetic antimalarial preparations in patients with late cutaneous porphyria. B. N. Kivoshchev. *Vest. dermat. i ven.* 38 no. 6:60-65 Je '61

#### ANTIMETABOLITES

Substances blocking the function of the adrenal cortex. V. P. Komissarenko, K. P. Zak. *Probl. endok. i gorm.* 10 no. 4:108-118 Ji-Ag '64

#### ANTIMONY—ELECTROMETALLURGY

Pilot plant tests in precipitation reduction smelting of antimony concentrates in electric furnaces I. I. Kershtanskiy and others. *TSvet. met.* 38 no. 5:31-41 My '65

#### ANTIMONY—METALLURGY

Pilot plant testing of a combined method for processing antimony concentrates and intermediate products. I. R. Polyviannyi, N. I. Anas'ev, I. A. Malkin. *TSvet. met.* 38 no. 5:29-33 My '65

#### ANTIMONY CHLORIDES

Solubility of ferric chloride and antimony trichloride in  $CCl_4$ ,  $SiCl_4$ ,  $SnCl_4$ . I. U. M. Martynov, I. G. Syrkina. Zhur. neorg. khim. 10 no. 4:943-945 Ap '65

#### ANTIMONY COMPOUNDS

Detection of the arsenic impurity in antimony trichloride and trioxide G. I. Gotshtein, E. A. Rif, G. T. Danilova. *Trudy IREA* no. 25:249-251 '63

Extraction of complex acids by oxygen-containing solvents. Part 5: Extraction mechanism of pentavalent antimony. G. M. Dakar, B. Z. Iofa. *Radiokhimiya* 7 no. 1:25-31 '65

#### ANTIMONY-COPPER-IRON ALLOYS

Compounds of copper and iron with antimony. M. I. Abdeeva, T. K. Rafikov. Zhur. neorg. khim. 10 no. 5:1206-1210 My '65

ANTIMONY-INDIUM ALLOYS see Indium-antimony alloys

#### ANTIMONY ISOTOPES

On the isomers  $Gd^{158m}$  and  $Sb^{117m}$ . V. T. Gritayna, A. P. Kilucharev, V. V. Remnev. *IAD, fiz.* 1 no. 6:948-950 Je '65

#### ANTI-NAZI MOVEMENT

Brodskii, E. A. [The living fight] Zhivye bor'by. Moskva, Voenizdat, 1965. 239 p.

#### ANTINEOPLASTIC AGENTS

Antineoplastic activity of the peptides of sarcosine, tyrosine and 3,4-dihydroxyphenylalanine. S. A. Vardanjan. *Vop. onk.* 11 no. 1:45-47 '65

Antineoplastic effect of some diazo compounds. I. G. Spasskaya. *Vop. onk.* 10 no. 12:56-59 '64

An attempt to use drugs and radiation in adenomas of the lungs in mice. L. Grigule. *Vop. onk.* 10 no. 12:59-63 '64

Chemotherapy of tumors of the genitourinary organs.

Part 1: Tumors of the kidneys, the urinary bladder and the testicle. B. M. Vermet', L. S. Erukhimov. *Vop. onk.* 10 no. 12:58-59 '64

Combined use of chemotherapy and gamma therapy with a large focus-skin distance in cancer of the urinary bladder. A. F. Gusev. *Med. rad.* 10 no. 5:18-22 My '65

Device for continuous intra-arterial administration of chemotherapeutic preparations. G. A. Fedoreev. *Vop. onk.* 11 no. 3:104-105 '65

Latvijas Padomju Sociālistiskās Republikas Zinātņu akadēmija. Organiskās sintēzes institūts, [Cyclophosphane] TSiklofosfāns; sbornik statei. Rīga, Izd-vo "Zinātne," 1965. 267 p. (DNLM)

Mechanism of the action of antibiotic 2703 (chrisomallin). V. M. Dillman. *Vop. onk.* 11 no. 1:44-45 '65

Regional chemotherapy of tumors of the maxilla, the tongue and the pharynx by the carotid perfusion and infusion method. D. A. Kazanskii. *Vop. onk.* 11 no. 3:42-47 '65

Spectrum and selectivity of the antineoplastic effect of phenesterine. S. A. Degteva. *Vop. onk.* 10 no. 12:52-55 '64

#### ANTIOXIDANTS

Chemiluminescence and antioxidative properties of human lipids. A. I. Zhuravlev, I. U. N. Filippov, V. V. Simonov. *Trudy MOIP, Otd. biol.* 21:76-89 '65

Nature of the inhibition of fatty acid oxidation in the animal organism. Z. Platser, A. Veselkova, Z. Slabokhova. *Vop. pH.* 23 no. 6:30-33 N-D '64

Phenoxyl radicals as oxidation inhibitors and their reaction with hydroperoxides. E. G. Sklarova and others. *Izv. AN SSSR. Ser. khim.* no. 6:1093-1098 '65

#### ANTIPYRINE

Complex formation in the scandium-dianthrylylmethane-iodine system. V. P. Zhitovskiy, I. S. Kalaykova. *Zhur. neorg. khim.* 10 no. 5:1126-1130 My '65

ANTISEPTIC SURGERY see Surgery, Aseptic and antiseptic

#### ANTISEPTICS

Effect of preparations from Aconitum Fischeri on the duration of hexonal narcotics. I. A. Pilymonova. *Trudy Inst. fiziol. AN Kazakh. SSR* 7:17-10 '64

Use of antiseptics for washing the udder of cows. A. G. Millanovskii. *Veterinarnia* 11 no. 4:97-99 Ap '65

#### ANTS

Methods of quantitative estimation of soil-dwelling ants. G. M. Dluski, Zool. zhur. 44 no. 5:716-727 '65

#### AORTA

Dynamics of fat accumulation in the culture of a rabbit aorta under various cultivation conditions. I. I. U. K. Pat. fiziol. i eksp. terap. 8 no. 3:11-11 N-D '61

Historical studies on nucleic dehydrogenase in the baroreceptors of the depressor zone of the aortic arch in dogs. N. B. Lavrent'eva, E. B. Khatman. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:41-82 '64

#### AORTA—DISEASES

Evaluation of aortal atherosclerosis by determining the travelling rate of the pulse wave in patients with coronary insufficiency. G. A. Pafonov. *Trudy Inst. im. N. V. Sklif.* 5 no. 2:13-40 '62

#### APANASENKOVSKIY DISTRICT—KINDERGARTENS

In a kindergarten. N. Ponomarev. *Doshk. vosp.* 18 no. 3:35 Mr '65

#### APARTMENT HOUSES

(see also subdivision under Eilvnu; Ulyanovsk)

Architectural and artistic experiments of prefabricated apartment houses. P. Svinichevko. *Stroi. i arkh.* 12 no. 2:21-26 F '64

Large-block apartment house of natural stone. A. Bogdanov. *Stroi. i arkh.* 12 no. 2:10-11 F '64

#### APARTMENT HOUSES—DESIGN AND CONSTRUCTION

(see also subdivision under Crimean; Moscow)

Apartment house according to an improved design. L. Ingovatov. *Stroi. i arkh.* 13 no. 5:24-25 My '65

Improve the method of standard designing. D. Morozov. *Stroi. i arkh.* 12 no. 2:12-16 F '64

Principal types of multistory sectional-corridor apartment houses. I. A. Shteinberg. *Izv. vuz. ucheb. zav. i stroi. i arkh.* 8 no. 2:131-116 '65

#### APARTMENT HOUSES—HEATING AND VENTILATION

Individual automatic control of the central heating of apartment houses. S. A. Chistovich. *Nov. tekhn. zhil.-kom. khoz.* Zhil. khoz. no. 2:13-62 '63

#### APARTMENT HOUSES—MAINTENANCE AND REPAIR

Organizing the work of the overall major repair of apartment houses. N. V. Luk'yanov. *Nov. tekhn. zhil.-kom. khoz.* Zhil. khoz. no. 2:13-12 '63

Plan for the major repair of apartment houses using new materials. G. M. Babovich. *Nov. tekhn. zhil.-kom. khoz.* Zhil. khoz. no. 2:83-98 '63

Reconstruction of apartment houses. N. V. Luk'yanov. M. A. Chirkov. *Nov. tekhn. zhil.-kom. khoz.* Zhil. khoz. no. 2:17-22 '63

#### APARTMENT HOUSES, COOPERATIVE

Problems of organizing housing construction cooperatives and operating cooperative apartment houses. V. Skripko. *Sots. zakon.* 42 no. 2:80-83 F '65

#### APATITE

Studying a way for finding uranium in fluorapatite by the method of phase dynamic leaching. *Izv. AN Kazakh. SSR. Ser. geol.* 22 no. 1:75-84 Ja-Mr '65

#### APHASIA

Selective disturbance in speech organization: instability of audio-speech traces. E. P. Kok. *Vop. psikh.* 11 no. 2:28-34 Mr-Ap '65

#### APHORISMS AND APOTHEGMS

Lichtenberg, Georg Christoph. [Aphorisms. Translated from the German] Afizmizm. Izd. podgotovil G. S. Slobodkin, 2. izd. Moskva, Nauka, 1965. 343 p. [Literaturnye pamiatniki]

#### APOPLEXY

Significance and possibilities of cranialographic and pneumoencephalographic method of examination in the diagnosis of brain insult with a tumoral course. A. M. Pulaov. *Zhur. nevro. i psikh.* 65 no. 6:832-836 '65

APPARENT DEATH see Death, Apparent

#### APPELLATE PROCEDURE

Improve the prosecutorial supervision of the legality of court rulings on the appellate level. O. Tenushkin, P. Pozharovskaya, V. I. Akoson. *Sots. zakon.* 42 no. 3:66-68 Mr '65

- APPENDECTOMY**  
Complications following appendectomy for acute appendicitis in elderly persons. N S Galin Trudy Inst im N.V. Sklif. 9:31-38 '63.
- APPENDICITIS**  
Acute appendicitis in elderly and senile persons. S.IU Chikunashvili, M.N. Shakatishvili Trudy Inst. im N.V. Sklif. 9:271-277 '63.  
Chaiacteristics of the course of acute appendicitis in elderly persons. D.A. Arapov, E.M. Ivanovskaya. Trudy Inst. im N.V. Sklif. 9:20-24 '63.  
Clinical and X-ray diagnosis of destructive appendicitis. A.L. Kogon, I.L. Shkola. Vest. rent. i rad. 39 no. 6: 55-57 N-D '64.
- APPLE**  
Agrochemical changes in the soil profile of an apple orchard. A.K. Kondakov. Sbor. nauch. rab. NII sad. no. 10:98-101 '64.  
Coefficients for determining the leaf surface of some sour cherry and apple varieties. A.S. Ovsiannikov. Sbor. nauch. rab. NII sad. no. 10:94-97 '64.  
Effect of fruit on the physiological activity of apple-tree leaves. V.O. Kazarian, N.V. Balagoev, K.A. Karapetian. Fiziol. rast. 12 no. 2:313-310 Mr-Apr '65.  
Evaluating intermediate scaffold-forming rootstocks for apples. S.N. Stepanov. Sbor. nauch. rab. NII sad. no. 10:40-48 '64.  
Fascination of shoots in apple and pear. N.I. Turovtsev. Sbor. nauch. rab. NII sad. no. 10:52-58 '64.  
Role of phenol compounds in the ontogeny of apple. I.M. Azizov, S.D. Amaeva. Fiziol. rast. 12 no. 2:342-343 Mr-Apr '65.
- APPLE—DISEASES AND PESTS**  
Apple blossom weevil (*Anthonomus pomorum*). A. Chern. Zashch. rast. ot vied. 10 no. 5:30-40 '65.  
Apple gall gnats *Dasyneura mali* and its control. V.I. Andreeva. Sbor. nauch. rab. NII sad. no. 10:148-147 '64.
- APPLE—FROST RESISTANCE**  
(see also subdivision under Gorky Province)  
Effect of the crop of the preceding year on the frost resistance in apple. V.K. Koshalev. Sbor. nauch. rab. NII sad. no. 10:76-82 '64.
- APPLE—GRAFTING**  
Union of eyes with rootstocks in sour cherry and other fruit species budded early or at the usual time. V.G. Mukhomin. Sbor. nauch. rab. NII sad. no. 10:47-52 '64.
- APPLE—STORAGE**  
Application of the electric conductivity method for studying the processes occurring in apples during refrigerated storage. N.A. Golovkin and others. Khol. tekhn. 42 no. 1:30-43 Jan-Feb '65.
- APPLE—VARIETIES**  
(see also subdivision under Kirghizistan; Tien Shan)  
Alternate years of fruiting in apple. E.V. Lagova. Sbor. nauch. rab. NII sad. no. 10:67-75 '64.  
Foliage and regularity of fruiting in apple varieties. E.V. Lagova. Sbor. nauch. rab. NII sad. no. 10:58-66 '64.
- APPLE BREEDING** see subdivision under Kirghizistan
- APNOEA**  
Results of the use of bronchoscopy under anesthesia in apnoea in the diagnosis of cancer of the lungs. I.I. Neimark, L.N. Kamardin. Vop. onk. 10 no. 12:61-63 '61.
- APRICOT BREEDING**  
Apricot breeding in the Botanical Garden. E.Z. Garoev. Izv. Bot. sada AN Kir. SSR no. 1:13-17 '64.
- APSHERON PENINSULA—PETROLEUM—ANALYSIS**  
Change of the quality of Balakhary oils in the southern submergence of the Fat'man-Zykh anticline zone. I.A. M. Inshirov. Izv. AN Azerb. SSR, Ser. geol.-geog. 1:10-35 '64.
- APSHERON PENINSULA—PETROLEUM GEOLOGY**  
Reservoir properties of rocks in the Kirmaki series of the Bazovny area and their dependence on a series of factors. L.V. Muzberg, A.I. Kalantarov. Izv. AN Azerb. SSR, Ser. geol.-geog. 1:57-62 '64.  
Shirinov, N.Sh. [Geomorphology of the Apsheron oil-bearing area] Geomorfologiya Apsheronoskoi neftenosnoi oblasti. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 187 p.
- AQUARIUMS**  
(see also subdivision under United States)  
Ichthyopathological studies in a veterinary laboratory. A.N. German, E.A. Zozulia. Veterinarika 42 no. 5: 108-111 My '65.
- ARAB COUNTRIES—FOREIGN ECONOMIC RELATIONS**  
Different methods, but the same neocolonial substance. S. Fil'atinskii. Vnesh. torg. 45 no. 6:33-34 '65.
- ARAB COUNTRIES—POLITICS**  
An important meeting in Cairo. A. Viktorov. Mezhdunar. zhizn' 12 no. 7:120-121 Ji '65.
- ARABIAN SEA—OCEANOGRAPHY**  
Brief characteristics of the water masses of the Gulf of Aden and the northern part of the Arabian Sea according to data of the 2d Indian Ocean Expedition of the Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. M.S. Edel'man. Trudy VNIRO 57:93-107 '65.  
Some characteristics of the hydrology of the waters flowing around Hindustan. M.S. Edel'man. Trudy VNIRO 57:79-92 '65.
- ARABINOSE**  
Chromatographic method of sugar refining by the removal of mineral impurities and acidity as exemplified by arabiose. M.A. Andronov, K.M. Mel'nikov. Trudy IRGA no. 25:493-500 '63.
- ARAL SEA REGION—FIELD CROPS—IRRIGATION**  
Growing farm crops under irrigation in sandy-loam soils. P.A. Malugin. Vest. sel'khoz nauki [Kazakh] 8 no. 2: 20-25 F '65.
- ARAUARIACEAE, FOSSIL** see subdivision under Maritime Territory
- ARBITRATION AND AWARD—CASES**  
Arbitration practice. Sov. iust. 20 no. 8:31 Ap '65.  
Arbitration practice. Sov. iust. 20 no. 11:31-32 Je '65.
- ARCHAEOLOGY—BIBLIOGRAPHY** see Bibliography—Archaeology
- ARCHANGEL—WORLD WAR, 1939-1945**  
Watchmen of the northern port. I. Nosov. Pozh. delo no. 5:20 My '65.
- ARCHANGEL PROVINCE—COMMUNITY LIFE**  
Taking into account the needs of the village. V. Tiara-sov. Part zhizn' no. 12:49 Je '65.
- ARCHANGEL PROVINCE—PLANTS, EDIBLE**  
Let's make better use of nature's pantry. V. Fedulov. Sov. poireh. koop. 9 no. 5:31-32 My '65.
- ARCHES**  
Damping of indirect stresses in combination two-hinged arched elements. V.G. Shchelkunov. Izv. vys. ucheb. zav. i stroi. i arkh. 8 no. 2:17-25 '65.
- ARCHITECTURAL METALWORK** see subdivision under Chelyabinsk
- ARCHITECTURE**  
Nature and substance of design. K. Ivanov. Tekhn. est. no. 3:21-25 Mr '65.  
Nature and substance of design. K. Ivanov. Tekhn. est. no. 5:12-15 My '65.
- ARCHITECTURE—DESIGNS AND PLANS**  
(see also subdivision under Armenia)  
Role of theory in designing. I. Ignatkin. Stroi. i arkh. 12 no. 2:22-23 F '64.
- ARCHITECTURE—STUDY AND TEACHING**  
Beginning of a creative biography: student's diploma projects in architectural schools. A.K. Barutchev. Stroi. i arkh. Len. 27 no. 3:25-27 Mr '65.  
Problems in the training of architects. I.I. Fomin. Stroi. i arkh. Len. 27 no. 3:20-24 Mr '65.
- ARCHIVES—BIBLIOGRAPHY** see Bibliography—Archives
- ARCTIC OCEAN—OCEAN CURRENTS**  
Deep currents of the Arctic basin. M.M. Nikitin, N.I. Dem'ianov. Okeanologiya 5 no. 2:261-263 '65.
- ARCTIC OCEAN—OCEANOGRAPHY**  
Some important characteristics of the formation of water density anomalies and their effects on ice and hydrologic conditions in the Arctic basin and bordering seas. Z.M. Gudkovich, E.G. Nikiforov. Okeanologiya 5 no. 2:250-260 '65.  
Water balance of the Arctic Ocean; water exchange with the Atlantic and Pacific Oceans. E.V. Solntankin. Trudy VNIRO 57:9-20 '65.
- ARCTIC REGIONS—ALBEDO**  
Total radiation and albedo according to observations from an airplane in the Arctic in 1963. A.A. Timerev. Trudy AANII 273:170-177 '65.
- ARCTIC REGIONS—ATMOSPHERE**  
Average height and temperature of the tropopause at high latitudes. L.P. Burova, N.V. Shiposh. Trudy AANII 273:132-141 '65.
- ARCTIC REGIONS—ATMOSPHERIC PRESSURE**  
Security of deviations of the average monthly amounts of temperature and air pressure from the norms in the Arctic. I.N. Zav'yalova. Trudy AANII 273:46-63 '65.
- ARCTIC REGIONS—ATMOSPHERIC TEMPERATURE**  
Average height and temperature of the tropopause at high latitudes. L.P. Burova, N.V. Shiposh. Trudy AANII 273:132-141 '65.  
Diurnal variation of air temperature in the Arctic. S.M. Domina. Trudy AANII 273:64-74 '65.  
Security of deviations of the average monthly amounts of temperature and air pressure from the norms in the Arctic. I.N. Zav'yalova. Trudy AANII 273:46-63 '65.
- ARCTIC REGIONS—ATMOSPHERIC TURBULENCE**  
Stability of the atmosphere in the Arctic. A.M. Kovrova. Trudy AANII 273:142-146 '65.
- ARCTIC REGIONS—CLIMATE**  
Some information of the severity of the weather in the Arctic. I.N. Zav'yalova. Trudy AANII 273:31-45 '65.
- ARCTIC REGIONS—CYCLONES**  
Some synoptic-climatic characteristics of the Arctic. K.I. Chukanin. Trudy AANII 273:75-85 '65.
- ARCTIC REGIONS—FRONTS (METEOROLOGY)**  
Some synoptic-climatic characteristics of the Arctic. K.I. Chukanin. Trudy AANII 273:75-85 '65.
- ARCTIC REGIONS—GOITER**  
Goiter in the Arctic regions. V.A. Kuznetsov. Vest. khir. 93 no. 11:37-42 N '64.
- ARCTIC REGIONS—HUMIDITY**  
Characteristics of specific and relative humidity in the western sector of the Soviet Arctic. I.M. Dolgin. Trudy AANII 273:91-99 '65.
- ARCTIC REGIONS—JET STREAM**  
Characteristics of tropospheric jet streams at high latitudes. L.A. Gavrilova. Trudy AANII 273:100-131 '65.
- ARCTIC REGIONS—PRECIPITATION (METEOROLOGY)**  
Precipitation in the Arctic. Z.M. Priik. Trudy AANII 273:5-25 '65.
- ARCTIC REGIONS—PRECIPITATION (METEOROLOGY)—MEASUREMENT**  
Calculation of winter precipitation in the Arctic. P.D. Fedinkova. Trudy AANII 273:86-92 '65.
- ARCTIC REGIONS—SEASONS**  
Climatic seasons in the Arctic. E.D. Korol'kova. Trudy AANII 273:26-33 '65.
- ARCTIC REGIONS—SEISMOLOGY**  
Stresses in the earthquake centers of the arctic seismic belt. A.P. Lazareva, L.A. Mishalina. Izv. AN SSSR. Fiz. zem. no. 2:5-10 '65.
- ARCTIC REGIONS—SOLAR RADIATION**  
Depletion of direct solar radiation in the Arctic. S.V. Zvereva. Trudy AANII 273:164-169 '65.  
Natural illumination in the Arctic and the luminous equivalent of radiation. N.T. Chernigovskii, A.A. Timerev. Trudy AANII 273:157-163 '65.  
Total radiation and albedo according to observations from an airplane in the Arctic in 1963. A.A. Timerev. Trudy AANII 273:170-177 '65.  
Variability of solar radiation in the Arctic. M.S. Marshunova. Trudy AANII 273:147-156 '65.
- ARCTIC REGIONS—WORLD WAR, 1939-1945—AERIAL OPERATIONS**  
The pride of the Fleet. N.T. Kotysh. Mor. shor. 48 no. 4:29-34 Ap '65.
- ARCTIC REGIONS—WORLD WAR, 1939-1945—NAVAL OPERATIONS**  
Standing on guard in the Arctic. V.I. Platonov. Mor. shor. 48 no. 4:15-25 Ap '65.
- AREA STUDIES** see subdivision under Kabardin-Balkar A.S.S.R.
- ARGILLITE**  
Natural argillite-aleuroilite suspensions in boring. G.P. Krupko. Shkht. stroi. 9 no. 5:18-20 My '65.
- ARGON—DENSITY**  
Behavior of the heat capacity  $C_p$  of pure substances near the critical point. A.V. Voronoi, V.G. Shigirev, I.I.R. Chashkin. Zhur. eksp. i teor. fiz. 48 no. 3:991-994 Mr '65.
- ARITHMETIC—AUDIO-VISUAL AIDS**  
Automatic multiplication table. I.A. Marineta. Nach. shkola 33 no. 6:81 Je '65.
- ARITHMETIC—EXAMINATIONS**  
Arithmetic. A. Kolikov. Nach. shkola 33 no. 4:27-30 Ap '65.

#### ARITHMETIC—PROBLEMS, EXERCISES, ETC.

Let's pay more attention to the mathematical essence of problems. D.S. Liudmilov. Nach shkola 33 no. 4:39-42 Ap '65

#### ARITHMETIC—STUDY AND TEACHING

Chekmarov, I. A. F., and B. A. Tulinov. [Arithmetic for normal schools] Arifmetika dlia pedagogicheskikh uchilishch. Izd. 8. Moskva, Prosveshchenie, 1965. 302 p.

Do you know arithmetic? V. A. Ignat'ev. Nach shkola 33 no. 4:42-46 Ap '65.

Without repeating students. N. P. Pivnev. Nach shkola 33 no. 4:16-19 Ap '65.

#### ARITHMETIC—TABLES, ETC.

Rutman, L. M. [Pocket multiplication and division tables] Kyshe'kovyi tablytsi mnozheniya i deleniya. Kyiv, Tekhnika, 1965. 157 p.

#### ARKHIPOVA, IRINA KONSTANTINOVNA

Berlin, Milan, New York. Teatr 26 no. 5:131 My '65

#### ARLAN OIL FIELD—PETROLEUM GEOLOGY

Lithologic characteristics and reservoir-rock properties of the carbonate rocks of the Tournasian Stage in the Arlan oil field. V. P. Iurchak. Trudy VNI no. 43:280-289 '65.

#### ARMED FORCES see subdivision under Germany, West; Russia

#### ARMENIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

Armenian S.S.R., Verkhovnyi Sovet. [Armenian S.S.R., administrative and territorial division to March 1, 1964] Armianskaya SSR; administrativno-territorial'noe delenie na 1-oe marta 1964 goda. Erevan, Gos. izd-vo Armenii, 1965. 225 p. (DBC)

#### ARMENIA—ADMINISTRATIVE ECONOMIC COUNCILS

In the Economic Council of Armenia. Prom. Arm. 8 no. 4:74-76 Ap '65.

#### ARMENIA—ARCHITECTURE—DESIGNS AND PLANS

The fifth workshop. P. Smurov. NTO 7 no. 5:40-41 My '65

#### ARMENIA—BASALT

Technology of the production of stone-ceramic articles from basalt. A. Abramian, V. Abramian. Prom. Arm. 8 no. 4:27-29 Ap '65.

#### ARMENIA—BENTONITE

Bentonites in Armenia. G. Asratian. Prom. Arm. 8 no. 4:5-9 Ap '65.

#### ARMENIA—CERAMIC INDUSTRIES

Technology of the production of stone-ceramic articles from basalt. A. Abramian, V. Abramian. Prom. Arm. 8 no. 4:27-29 Ap '65.

#### ARMENIA—CONSTRUCTION INDUSTRY

Accelerate the tempo and improve the quality of construction operations. L. Ershkian. Prom. Arm. 8 no. 4:3-5 Ap '65.

#### ARMENIA—FOOD INDUSTRY

Automation of production processes. O. Gevorgova. Prom. Arm. 8 no. 4:22-23 Ap '65.

#### ARMENIA—FURNITURE INDUSTRY

Mechanization of finishing operations at the A. F. Mianikian Furniture Factory. G. Ter-Stepanov. Prom. Arm. 8 no. 4:23-24 Ap '65.

#### ARMENIA—GEOLOGY

[Study of the geology of the U. S. S. R.] Geologicheskaya izuchennost' SSSR. Erevan, Izd-vo Akad. nauk Armianskoi SSR. Vol. 48. [Armenian S.S.R.; period 1941-1950] Armianskaya SSR, period 1941-1950. No. 1. [Published works] Opublikovannye raboty. 1954. 157 p.

#### ARMENIA—GRANITE INDUSTRY

Characteristics of Armenian granites and their use. G. Dal'ian, Z. Atagoritsian. Prom. Arm. 8 no. 4:52-54 Ap '65.

#### ARMENIA—INDUSTRIAL MANAGEMENT

In the Committee of Party and State Control of the Central Committee of the Communist Party of Armenia and of the Council of Ministers of the Armenian S.S.R. Prom. Arm. 8 no. 4:72-73 Ap '65.

#### ARMENIA—INDUSTRY—CONTRACTS AND SPECIFICATIONS

Regulations for the establishment of contract relations by accepting orders for execution. V. Frangulian. Prom. Arm. 8 no. 4:77-78 Ap '65.

#### ARMENIA—NONFERROUS METALS

Development of new non-ferrous-metal deposits. A. Buniatova, E. Pogostian. Prom. Arm. 8 no. 4:12-13 Ap '65.

#### ARMENIA—PEAR—VARIETIES

A new species of pear *Pyrus theodon* evil Midy. from the Armenian S.S.R. IA 1 Msklidsbanlan. Dokl. AN Arm SSR 40 no. 4:249-251 '65.

#### ARMENIA—SEWAGE DISPOSAL

Methods of the purification of waste water from gold-recovery plants. Kh. Grigorian, L. Dzing. Prom. Arm. 8 no. 4:25-26 Ap '65.

Prevent reservoir pollution by waste waters from the enterprises of the mining industry. T. Asmangulian. Prom. Arm. 8 no. 4:11-12 Ap '65.

#### ARMENIA—SPARROWS

Ecology of the sparrow *Capospiza biachyactyla* Bp. in the Armenian S.S.R. M. S. Adamian. Zool zhur 44 no. 4:569-577 '65.

#### ARMENIA—TECHNICAL EDUCATION

In the House of Technology of Armenia. Prom. Arm. 8 no. 4:76 Ap '65.

#### ARMENIA—TECHNICAL SOCIETIES

Voluntary character of the activity of scientific and technological societies. S. Martirosian. Prom. Arm. 8 no. 1:65-67 Ap '65.

#### ARMENIA—TECHNOLOGICAL INNOVATIONS

Brief news. Prom. Arm. 8 no. 4:77 Ap '65. Innovators represent the active force of technological progress. A. Sarafian. Prom. Arm. 8 no. 1:35-37 Ap '65.

#### ARMENIA—TRANSPORTATION, AUTOMOTIVE

Performance of automotive freight transportation and of the organization of a centralized haulage. E. Abramian. Prom. Arm. 8 no. 4:18-20 Ap '65.

#### ARMIES see subdivision 'Army' under Communist countries; Russia

#### AROMATIC COMPOUNDS—MATHEMATICAL MODELS

Translation of chemical nomenclature; algorithm of the translation of the names of cross-linking [condensed] polycyclic structures. A. M. TSukerman. NTI no. 4:23-30 '65.

#### AROMATIC COMPOUNDS—SPECTRA

Studying the shape and internal mobility of molecules from the broadening of the scattering line. M. F. Fuks, F. Kh. Tukhvatullin. Zhur prikl. spekt 2 no. 3:277-279 Mr '65.

#### AROMATIC PLANTS

Stephanodiscus hantzschii Grun. as an aromatic organism giving water a fishy flavor. O. P. Okselak, Gidrobiol. zhur. 1 no. 3:50-53 '65.

#### AROMATIZATION—EQUIPMENT AND SUPPLIES

Operation of hydroforming units at the Novoufimka petroleum refinery. N. P. Smirnov, I. P. Kiranov, S. S. Ivanov. Neftper. i neftekhim. no. 1:29-30 '65.

#### ARRHYTHMIA

Dynamics of the changes in the ECG in resuscitation of dogs by means of direct and external massage of the heart following clinical death caused by ventricular fibrillation. V. I. A. Tabak. Biul. eksp. biol. i med. 50 no. 6:35-40 Je '65.

Mechanism of ventricular asystole following stimulation of the vagus nerve. E. B. Babak, L. S. Ul'ianukli. Trudy Inst norm i pat. fiziol. AMN SSSR 7 16-18 '64. Respiratory arrhythmia in thyrotoxicosis. O. B. Il'ich. Probl. endok. i gorm. 10 no. 4:54-59 Ji-Ag '64.

#### ARSENATES

Niobium arsenate. M. I. Milutina, A. K. Sharova, Z. M. Titova. Zhur. neorg. khim. 10 no. 4:883-888 Ap '65.

#### ARSENIC

Arsenic as a geochemical indicator in prospecting for copper-skarn ore bodies. N. P. Il'ushchenko. Izv. AN Kazakh. SSR, Ser. geol. 22 no. 1:85-89 Ja-F '65.

#### ARSENIC—ANALYSIS

Conditions for separating copper and arsenic when present together in a sulfuric acid solution. P. N. Kovalenko, L. N. Musachlants. Izv. vyz. ucheb. zav., khim. i khim. tekhn. 8' no. 1:17-22 '65. Determination of arsenic microquantities in water. I. A. Mozo, I. G. Shafran. Trudy IREA no. 25:283-285 '63. Determination of the arsenic impurity in antimony trichloride and trioxide. G. I. Gorsktein, E. A. Rif, G. T. Danileva. Trudy IREA no. 25:249-251 '63.

#### ARSENIC ORGANIC COMPOUNDS

Fungicidal activity of some arsenic organic compounds. E. I. Andreeva and others. Khim. v sel. khoz. 3 no. 4:28-30 Ap '65.

#### ARSENIC ORGANIC COMPOUNDS—SPECTRA

Vibrational spectra of organoarsenic compounds. Report No. 2: Raman spectra of ethers and acid chlorides of trivalent arsenic. R. R. Saaghtullin, T. L. Pavlova, Izv. AN SSSR, Ser. khim. no. 6:905-908 '65.

#### ARSENITES

Niobium and tantalum arsenite compounds. I. G. Chel'baeva, A. K. Shafova. Zhur. neorg. khim. 10 no. 4:877-882 Ap '65.

#### ARSONIUM COMPOUNDS

Synthesis and properties of some new quaternary arsonium compounds. G. I. Kamal, I. L. Galt'ov, Zhur. ob. khim. 35 no. 6:987-988 Ju '65.

#### ART

Art life in the Soviet Union. Iskusstvo 28 no. 1:77-80 '65.

Art life in the Soviet Union. Iskusstvo 28 no. 1:76-77 '65.

Foreign review. Iskusstvo 28 no. 1:77-78 '65.

Foreign review. Iskusstvo 28 no. 1:73-75 '65.

Portrayal and expression in art. V. Vanslov. Iskusstvo 28 no. 4:13-17 '65.

#### ART—BIBLIOGRAPHY see Bibliography—Art

#### ART—CATALOGS

[Chronicle of fine arts] Let. izobr. isk. no. 2 '65.

#### ART—EXHIBITIONS see subdivision under Leningrad, Moscow

#### ART—PHILOSOPHY

Art and the knowledge of the world. V. Skatorshekikov. Kommunist 42 no. 10:53-63 Ji '65.

#### ART, AFGHAN—EXHIBITIONS see subdivision under Moscow

#### ART, BUDDHIST

Mokudziki's "Smiling Buddhas." G. Komarovskii. Afr seg 8 no. 6:30 Je '65

#### ART, BYZANTINE

Pisarskaya, L. V. [Monuments of Byzantine art from the 5th to the 15th century in the State Armory Museum] Pamiatniki vizantijskogo iskusstva V-XV vekov v Gosudarstvennoi Oruzheinoi palate. Leningrad, Sovetskii khudozhnik, [1964] 102 p. chiefly illus. (Mirovaia khudozheskaja Kremli)

#### ART, ESTONIAN

Chervonnaya, S. M. [Art of the Soviet Baltic States; painting, sculpture, graphic arts] Iskusstvo Sovetskoi Pribaltiki; zhivopis', skulptura, grafika. Moskva, Znanie, 1965. 39 p. (Novoe v zhizni, nauke, tekhnike, VI Seriya: Literatura i Iskusstvo, no. 0)

#### ART, LATVIAN

Chervonnaya, S. M. [Art of the Soviet Baltic States; painting, sculpture, graphic arts] Iskusstvo Sovetskoi Pribaltiki; zhivopis', skulptura, grafika. Moskva, Znanie, 1965. 39 p. (Novoe v zhizni, nauke, tekhnike, VI Seriya: Literatura i Iskusstvo, no. 0)

#### ART, LITHUANIAN

Chervonnaya, S. M. [Art of the Soviet Baltic States; painting, sculpture, graphic arts] Iskusstvo Sovetskoi Pribaltiki; zhivopis', skulptura, grafika. Moskva, Znanie, 1965. 39 p. (Novoe v zhizni, nauke, tekhnike, VI Seriya: Literatura i Iskusstvo, no. 0)

#### ART, ORIENTAL

In the Far East non-Soviet sector of the Institute of the History of Arts. S. I. Tiul'baev. Nar. Az. i Afr. sv. 3:248 '65.

#### ART, UKRAINIAN

Pressing problem of theory and practice. M. Pekarskii. Iskusstvo 28 no. 3:16-18 '65.

#### ART, UZBEK—EXHIBITIONS

A new stage. M. Muntis. Iskusstvo 28 no. 4:7-12 '65.

#### ART AND COMMUNISM see Communism and Art

#### ART AND SCIENCE

Eye of the artist and vision of science. Ed. Val'dman. Iskusstvo 28 no. 4:18-27 '65.

#### ART GALLERIES AND MUSEUMS see subdivision under Leningrad; Moscow

#### ART INDUSTRIES, JAPANESE

Dashkevich, V. T. [Decorative-applied art of modern Japan in the Hermitage collections] Dekorativno-prikladnoe iskusstvo sovremennoi Japonii v sobranii Ermitazha. Leningrad, Sovetskii khudozhnik, 1965. 77 p.

#### ART SCHOOLS see subdivision under Tallinn

#### ART SOCIETIES

From the secret archives of an autocracy. A. K. Iabedev. Iskusstvo 28 no. 4:65-68 '65.

#### ARTEK (UKRAINE)—CAMPS

V.I. Lenin Pioneer's Camp at Artek, V. Butuzov, Arkhiv, SSSR no. 4 1-9 '65.

#### ARTEM ISLAND—PETROLEUM PRODUCTION

Gathering gas from boom wells with sealed annular space M. P. Fishman, Nefteprom delo no. 4:31-33 '65

#### ARTERIES—DISEASES

Diabetic angiopathy: pathomorphological data, A. A. Abramova, Probl. endok. i gorm. 10 no. 5:20-25 S-O '64.

Rheovasography in the examination of patients with obliterating endarteritis, V. M. Novikov, Vest. khir. 9:3 no. 11:96-99 N '64.

#### ARTERIES—SURGERY

Oscillography in operations for arterial and aorto-venous aneurysms of the extremities, A. A. Fokina, Trudy Inst. im N. V. Sklif. 5 no. 2 115-123 '62.

#### ARTERIOSCLEROSIS

Arteriographic data on some characteristics of arteriosclerosis of lower extremities in diabetes mellitus, I. S. Klemashov, Probl. endok. i gorm. 10 no. 5:17-20 S-O '64.

Clinical and radiological parallels in the diagnosis of cardiac and pulmonary pathology by the use of radioactive sodium ( $Na^{24}$ ) B. E. Votchal and others, Trudy TSU 71:17-31 '61.

Effect of atherogenic diet on the activity of certain enzymes in the blood and liver of rats, S. G. Aplekar', A. A. Il'mich, Vop. pit. 23 no. 6:49-55 N-D '64.

Effect of denervation of the adrenal glands on the level of blood lipids and the extent of morphological changes in the aorta of rabbits with athero-sclerosis, I. E. Ganevina, Pat. fiziol. i eksp. terap. 6 no. 6 7-10 N-D '61.

Effect of prolonged sound and light stimuli on the development of experimental atherosclerosis in female rabbits, L. D. Novikova, I. A. Rafal'skii, Pat. fiziol. i eksp. terap. 8 no. 6:73-74 N-D '64.

Effect of saturated and unsaturated fatty acids on the composition of lipids in the blood, liver and aorta in experimental atherosclerosis, M. V. Baykina, R. P. Lyvshina, Vop. pit. 23 no. 6:56-62 N-D '64.

Study of the electrophoretic protein fractions of the myocardium in the process of developing atherosclerosis, D. G. Grigorian, V. A. Shalimov, Biol. eksp. biol. i med. 59 no. 6:50-58 Je '65.

#### ARTHRITIS, RHEUMATOID

Constriction of the joint fissures in infectious non-specific polyarthritis, I. U. S. Khomiakov, Vest. rent. i rad. 40 no. 2:17-19 Mr-Apr '65.

Herpes zoster in rheumatoid arthritis patients, J. Vachtenheim, Vest. dermat. i ven. 30 no. 6 26-29 Je '64.

#### ARTHROPODA

Chemoreception of blood-sucking Arthropods, I. U. A. Elizarov, Usp. sov. biol. 50 no. 3:416-432 My-Je '65.

#### ARTIFICIAL INSEMINATION

(see also subdivision under Bulgaria)

Importance of tensor boars in the prophylaxis of sterility in brood sows, V. S. Shpilov, Veterinariia 42 no. 6: 31-33 Je '65.

Ways for the prevention of sterility in cows, V. M. Shebernakov, L. P. Il'yash, Veterinariia 42 no. 6:87-88 Je '64.

#### ARTIFICIAL INTELLIGENCE

Actual problems of heuristic programming, A. V. Napankov, I. U. V. Orlov, Vop. filoz. 10 no. 6:91-72 '65.

Possible approach to the simulation of human psychic functions, N. M. Amosov and others, Vop. psikh. 11 no. 2:49-50 Mr-Apr '65.

#### ARTIFICIAL KIDNEY

Use of an artificial kidney in uremia following poisoning with isocamyl alcohol, M. M. Mendel'son, A. M. Melnikova, Sov. med. 28 no. 4:116-118 Ap '65.

#### ARTIFICIAL LEATHER see Leather, Artificial

#### ARTIFICIAL PNEUMOPERTONEUM see Pneumopertoneum, Artificial

#### ARTIFICIAL RESPIRATION

Electric activity of the respiratory musculature during changes in the gas content of the blood in patients under apparatus artificial respiration, M. D. Sidorovskaya, Zhur. nov. i psikh. 64 no. 11:1003-1010 '64.

Problem of the physiological effect of artificial respiration, V. F. Doroshchuk, Trudy Inst. im N. V. Sklif. 9:255-267 '63.

#### ARTIFICIAL SATELLITES

[Space research] Ref. zhur. i issl. kosm. prostr. no. 7 JI '64.

#### ARTIFICIAL SATELLITES—ORBITS

Motion of the center of inertia of a satellite in the earth's gravitational field, K. G. Valeev, A. I. Lur'a, Prikl. mat. i mekh. 20 no. 2:236-248 Mr-Apr '65.

#### ARTIFICIAL SATELLITES IN TELECOMMUNICATION

Active relaying units on orbits, V. Kozlov, Av. i kosm. 47 no. 7 36-41 JI '65.

Communication satellite "Molnia-1," Tekh. kin. i telev. 6 no. 6 94 Je '65.

#### ARTISTIC PHOTOGRAPHY see Photography, Artistic

#### ARYAN LANGUAGES

A conference on Indo-European linguistics, M. I. Lakomteva, Sov. slav. no. 2 117-118 '65.

#### ARYL GROUPS

Synthesis and properties of polyarylates with carbonyl groups, M. N. Bogdanov and others, Vysokom. soed. 7 no. 4:734-736 Ap '65.

#### ARYS' VALLEY—HUMUS

Organic matter of light-colored Sierozems in the Arys' irrigation region, B. N. Vishnevskaya, Izv. AN Kazakh SSR, Ser. biol. nauk 3 no. 1:18-27 Ja-F '65.

#### ARYS' VALLEY—SIEROZEM

Organic matter of light-colored Sierozems in the Arys' irrigation region, B. N. Vishnevskaya, Izv. AN Kazakh SSR, Ser. biol. nauk 3 no. 1:18-27 Ja-F '65.

#### ASADKYAF VOLCANO

Asadkyaf Stratovolcano, A. D. Mamedov, Izv. AN Azerb. SSR, Ser. geol.-geog. 1:41-44 '64.

#### ASBESTOS

Boboleva, M. V., and N. D. Bobolev, [Brittle chrysotile asbestos] Lomkii Kirizolit-asbest, Moskva, Nedra, 1965, 67 p.

#### ASBESTOS—RESEARCH

Leningrad, Vsesoyuznyi nauchno-issledovatel'skii institut asbestovogo promyshlennosti, [Collection of annotations on the Institute's scientific research work during 1961 and 1962] Sbornik annotatsii nauchno-issledovatel'skikh rabot instituta za 1961-1962 gg. Sverdlovsk, Asbest, 1963, 26 p.

#### ASBESTOS CEMENT

All-Union seminar of workers of the asbestos cement industry, Strol. mat. 11 no. 1 30-32 Ja '65.

Using polyacrylamide in the production of asbestos-cement products, K. N. Nikolaev, T. I. Pogarskaya, Strol. mat. 11 no. 4:8-10 Ap '65.

#### ASCARIDS AND ASCARIASIS

Effect of culture fluids of actinomycetes on the eggs of ascarids, L. I. Skripka, Med. paraz. i paraz. bol. 33 no. 6:685-689 N-D '64.

Prevention of ascariasis and pullorum disease in chicks using iodinol, N. Kh. Kucheruk, S. Z. Dubovyi, Veterinariia 41 no. 6:62-63 Je '61.

Study of immunogenesis and proteinemia in animals following the administration of ascarid extracts, I. S. Babo and others, Med. paraz. i paraz. bol. 33 no. 6:689-693 N-D '61.

Testing piperazine dithiocarbamate in ascaridiasis of chickens, A. I. Korchagin, Veterinariia 42 no. 3: 63-64 My '65.

Therapy of ascariasis and trichostrongylosis in chickens, N. M. Shirinov, Veterinariia 42 no. 5:65-66 My '65.

Treating chickens with ascariasis, N. M. Shirinov, O. M. Baltadzhiev, Veterinariia 41 no. 6:63-64 Je '64.

#### ASCITES

Rare case of huge ascites in a patient with hypertrophic liver cirrhosis combined with splenomegaly endocrinopathy, Kh. A. Ovanessians, Trudy Inst. im N. V. Sklif. 5 no. 2:210-220 '62.

#### ASCORBIC ACID

Ascorbic acid and tocopherol content in Meriones meridianus Pall., N. I. Kalabukhov, A. D. Bondarenko, Ukr. biokhim. zhur. 37 no. 2:260-266 '65.

Effect of gamma rays on the content of various ascorbic acid forms and reduced glutathione in cotton, N. N. Nazirov, Uzb. biol. zhur. 8 no. 1:5-10 '65.

Interrelationship between flavonol and ascorbic acid accumulation in black-currant berries, G. B. Samorodova-Blank, Fiziol. rast. 12 no. 2:210-215 Mr-Apr '65.

Manuklan, R. S., [Materials on the study of surgical aspects of avitaminosis C] Materialy k izucheniu khirurgicheskoi kliniki avitaminozov C, Baku, Azerbaidzhanское gos. izd-vo, 1965, 118 p.

Role of polyphenols in the oxidation of ascorbic acid in animal tissues, O. M. Platonov, Ukr. biokhim. zhur. 36 no. 5:697-704 '64.

Thermographic and polarizing microscope study of L-ascorbic acid, V. A. Usoltseva, I. G. Chistiakov, M. D. Nagyrova, Izv. vya. ucheb. zav. i khim. i khim. tekhn. 6 no. 1:65-68 '65.

#### ASCORBIC ACID—EFFECT ON PLANTS see Plants, Effect of ascorbic acid on

#### ASCORBIC ACID METABOLISM

Content of various forms of ascorbic acid in the tissues of euphratectonized animals, I. F. Shamrai, O. M. Ivanova, O. M. Platonov, Ukr. biokhim. zhur. 37 no. 2:269-273 '65.

#### ASH DISPOSAL

Experience in the operation of a hydraulic ash removal system, I. U. A. Kirillov, Energetik 13 no. 2 5-7 F '65.

#### ASHKHAZAD DISTRICT—IMPLEMENTS, UTENSILS, ETC.

The use of stone and bone implements found in Chagyladepo, O. Berdyev, G. F. Korobkova, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6 19-26 '64.

#### ASIA—HISTORY—STUDY AND TEACHING

The teaching of modern and recent history of the countries of Asia and Africa, S. Livshits, Nar. Az. i Afr. no. 3 88-92 '65.

#### ASIA—LITERATURES

Difficulties of generalization, I. Rabinovich, Vop. lit. 9 no. 3:221-225 M '65.

#### ASIA—POLITICS

Plans of the U.S. and the political climate in Asia, D. V. Petrov, Mezhdunar. zhizn' 12 no. 7:10-11 JI '65.

#### ASIA—VETERINARY MEDICINE—CONGRESSES

Regional conference of the Asian countries on problems in veterinary medicine, I. U. N. Goloschchapov, Veterinariia 42 no. 6:109-112 Je '65.

#### ASIA—VILLAGE COMMUNITIES

Development of the views of K. Marx and F. Engels on the Asian mode of production and agricultural community, N. B. Ter-Akopian, Nar. Az. i Afr. no. 3:70-85 '65.

#### ASIA, CENTRAL—GAS, NATURAL—GEOLOGY

Oil and gas potentials of Paleozoic formations, Kh. Akhmedov, Urb. geol. zhur. 9 no. 2 70-72 '65.

#### ASIA, CENTRAL—GROSBELKS

Nomenclature of the Pamir-Tien Shan gas grobelsk Mycenobas carpinus Hodgson of the juniper forests, L. S. Stepanian, Sbor. trud. Zool. muz. MGU 8 225-247 '65.

#### ASIA, CENTRAL—PALEOBOTANY, STRATIGRAPHIC

Carbonized plants containing selenium from the Upper Cretaceous sedimentary rocks of one of the regions in Central Asia, V. F. Savell'ev, Zap. Uz. otd. Vses. min. ob-va no. 16:35-39 '64.

#### ASIA, CENTRAL—PETROLEUM GEOLOGY

Oil and gas potentials of Paleozoic formations, Kh. Akhmedov, Uzb. geol. zhur. 9 no. 2:70-72 '65.

#### ASIA, CENTRAL—SELENIUM

Carbonized plants containing selenium from the Upper Cretaceous sedimentary rocks of one of the regions in Central Asia, V. F. Savell'ev, Zap. Uz. otd. Vses. min. ob-va no. 16:35-39 '61.

#### ASIA, SOUTHEASTERN—CITIES AND TOWNS—STATISTICS

Some characteristics of the urban system in the southern and southeastern countries of Asia, L. I. Bonifat'eva, Vop. geog. no. 66:118-129 '65.

#### ASIA, SOUTHEASTERN—JAPANESE OCCUPATION, 1942-1945

Once more on "the liberating mission" of Japan in Southeastern Asia during the years of the Second World War, S. L. Budkevich, Nar. Az. i Afr. no. 3, 48-60 '65.

#### ASIA, SOUTHEASTERN—POLITICS

Good neighbor policy, Nov. vrem. 23 no. 28:1-3 JI '65.

#### ASIA, SOVIET CENTRAL see Soviet Central Asia

#### ASIAN-AFRICAN CONFERENCE, BANDUNG, JAVA, 1955

On the eve of a "second Bandung," V. Makarov, Mezhdunar. zhizn' 12 no. 7:121-123 JI '65.

#### ASPARTIC ACID METABOLISM

Dynamics of the distribution of  $C^{14}$ -tagged aspartic acid throughout the organs and tissues of rats, V. F. Markelova, Trudy TSU 71 163-169 '64.

#### ASPERGILLUS

Activating the synthesis of amylolytic enzymes by means of the Aspergillus usami 3758-45 fungi, I. I. Burachevskii, Ferment. i spirt. prom. 31 no. 2:8-8 '65.

Formation of enzymes in the surface culture of Aspergillus awamori, R. V. Peniksova, A. A. Shilova, Ferment. i spirt. prom. 31 no. 2:4-5 '65.

#### ASPERGILLUS—CULTURES AND CULTURE MEDIA

Thermophilic cellulase-producing fungus Aspergillus fumigatus, L. G. Loginova, Zh. Tashpulatov, Mikrobiologiya 34 no. 2:258-264 Mr-Apr '65.

## ASPHALT

Embankment strengthening asphalt topping for conditions existing in Siberia. R. K. Zhdanov. *Tiansp stroi* 15 no. 151 Ap '65.

## ASPHYXIA

Effect of a prolonged stimulation of the peripheral segment of the vagus nerve on the heart in asphyxia. A. I. Smirnov, E. A. Belavskaya, T. N. Kovaleva. *Biol. eksp. biol. med.* 59 no. 6:28-32 Je '65.

## ASSEMBLY-LINE METHODS

Accelerated assembly of a continuous line for corn processing. S. Shekhter. *Muk. -elev. prom.* 31 no. 2:7-8 F '65.

Assembly-line technology of manufacturing reinforced concrete products. B. I. Zhelezov. *Stroitel. i. no. 6:46-48 Je '65.*

Base forming section in automatic lines for planing scantling parts. I. I. Mikhnev. *Bum. i. der. prom.* no. 2:8-13 Ap '65.

Bondarenko, P. S. [Automation of continuous line systems] *Avtomatizatsiya sistem potochnogo transporta*, Moskva, Energiya, 1965. 103 p. (Biblioteka po avtomatike, no. 132).

Improving precision in assembling large-panel buildings. M. I. Egnus. *Mekh. stroi.* 22 no. 2:1-3 F '65.

Maintenance and repair of all-steel passenger cars on conveyor lines. V. I. Khudokormov, G. D. Evin. *Zhelez. dor. transp.* 47 no. 6:44-49 Je '65.

Practice in introducing continuous operation methods. I. U. Bashmakov. *Ekon. stroi.* no. 5:10-12 My '65.

Semimatic line for the planning and surfacing of boards. V. I. Erokhin. *Der. prom.* 14 no. 2:26-27 F '65.

Semimatic line for the production of hide glue flakes. V. D. Polaninov, T. S. M. Khatsarevich, V. K. Nazarov. *Kozh. -obuv. prom.* 7 no. 4:29-33 Ap '65.

Studying operating conditions of the automatic unit of a continuous production line of bucking full-length logs. V. I. Kondrat'ev, P. N. Sokolov. *Trudy STI* 33:98-104 '62.

We use a grain cleaner with continuous flow of grain. A. Naigauz. *Muk. -elev. prom.* 31 no. 3:9 Mr '65.

## ASWAN DAM see Aswan Dam

## ASTHMA

Hormone therapy of bronchial asthma. F. L. Sukhikhin, E. A. Krivitskaya. *Trudy Inst. im. N. V. Skli, 5* no. 2:124-128 '62.

Treatment of chronic nonspecific pneumonia and bronchial asthma with aerosol inhalations. I. T. Mal'isev, A. N. Mel'nik, N. A. Voronina. *Sov. med.* 28 no. 4:76-79 Ap '65.

## ASTRAKHAN—LABOR AND LABORING CLASSES

They are inscribed in the book of honor. *Zhil. -kom. khoz.* 15 no. 1:2 Ja '65.

## ASTRAKHAN PROVINCE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Jurassic and Lower Cretaceous sediments in Astrakhan Province and areas adjacent to the Kalmuk A. S. S. R. A. N. Ivanova and others. *Trudy VNIGG* no. 1:79-85 '64.

## ASTRAKHAN PROVINCE—LEPTOSPIROSIS

Etiology of leptospirosis in Astrakhan Province. F. I. Bezumnova and others. *Zhur. mikrobiol., epid. i. immun.* 42 no. 2:45-48 F '65.

## ASTRAKHAN PROVINCE—TOMATOES

Our method for growing tomatoes. T. F. Voronov. *Kons. i. ov. prom.* 20 no. 6:14-17 Je '65.

## ASTRAKHAN PROVINCE—ZOONoses

Etiology of leptospirosis in Astrakhan Province. F. I. Bezumnova and others. *Zhur. mikrobiol., epid. i. immun.* 42 no. 2:45-48 F '65.

## ASTRONAUTICS

Door into space is open! T. M. Sergeeva. *Nach. shkola* 33 no. 5:28-31 My '65.

Glory to the conquerors of space. *Mor. sbor.* 48 no. 4:3-4 Ap '65.

In the name of the victory of communism! *Vest. AN SSSR* 35 no. 4:3-4 Ap '65.

[Space research] *Ref. zhur. i. issl. kosm. prostr.* no. 7:11 '65.

## ASTRONAUTICS—COMMUNICATION SYSTEMS

"Molnia-1" in orbit. A. V. Prosin. *Priroda* 54 no. 6:115-118 Je '65.

## ASTRONAUTS

Luk'yanov, B. B. [Friends, we believe that caravans of rockets... notes of a TASS correspondent] *My verim, druz'ya, karavany raket... zapiski korrespondenta TASS*. [Moskva] Molodcha gvardiya, 1965. 270 p.

They opened the door into space. *Sem'ia i shkola* 20 no. 4:2 Ap '65.

## ASTRONOMICAL MODELS

Construction of a composite model of the galaxy and setting up a system of galactic parameters. I. A. U. Elnato. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:57-100 '65.

Generalization of Schuster's model of spherical stellar systems. I. U. Veltmann. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:57-66 '65.

Problem of setting up a system of galactic parameters. S. A. Kutuzov. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:78-86 '65.

Rational foundations and current problems in the theory of galactic models. G. M. Idlis. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:105-178 '65.

## ASTRONOMICAL PHOTOMETRY see Photometry, Astronomical

## ASTRONOMY

Applicability of the theory of relativity in astronomy. G. M. Idlis, Z. Kh. Kurmakaev. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:178-180 '65.

## ASTRONOMY—ABSTRACTS

[Astronomy] *Ref. zhur. i. Astron.* no. 7:31 '65.

## ASTRONOMY—CONGRESSES

Recent results of astronomical research, plenum of the Astronomical Council. N. P. Erpylev. *Vest. AN SSSR* 35 no. 5:98-99 My '65.

## ASWAN DAM—TUNNELING

Tunneling for the Aswan hydroelectric development. S. A. Chesnokov. *Tiansp. stroi.* 15 no. 4:16-19 Ap '65.

## ATATURK, KEMAL, 1880-1938

Kemal Ataturk: "We are friends with Russia." *Mezhdunar. zhizn'* 12 no. 6:140-141 Je '65.

## ATHEISM

[Gods die] *Dievai mirsta*, Vilnius, 1904. 183 p. [in Lithuanian]

## ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

## ATHEISM—STUDY AND TEACHING

(see also subdivision under Vladimir) Fundamentals of the system of atheistic education. A. Alekseev. *Nar. obr.* no. 6:67-73 Je '65.

Our system of antireligious propaganda. V. Rudnev. *Agitator* 33 no. 11:42-44 Je '65.

Seminar on atheistic education. I. U. Skrylev. *Nar. obr.* no. 6:124-125 Je '65.

## ATHLETES, WOMEN see Women as athletes

## ATHLETIC FIELDS

Constructing physical culture areas in microdistricts and residential sections. A. Golubinski. *Zhil. i. kom. khoz.* 15 no. 4:26-27 Ap '65.

## ATHOS (MONASTERIES)

At the celebration of the millenary of Athos (to be continued). Feriz Berki. *Zhur. Mosk. Patri.* no. 6:61-73 '65.

## ATLANTIC OCEAN—ATMOSPHERE

Research in the relations between the heat balance of the surface of the North Atlantic and characteristics of atmospheric circulation. V. M. Radikovich. *Trudy Len. gidromet. inst.* no. 17:62-71 '64.

Variability of water temperature on the surface of the North Atlantic over a period of several years. Van Iun-sian [Wang Yung-hsiang]. *Trudy Len. gidromet. inst.* no. 17:11-16 '64.

## ATLANTIC OCEAN—BENTHOS

Biocenoses and biomass of benthos in the Newfoundland-Labrador area. K. N. Neelis. *Trudy VNIRO* 57:453-489 '65.

## ATLANTIC OCEAN—FISHES

Interrelation between the distribution of temperature, oxygen and fish schools in some fishing grounds of the Barents and Norwegian Seas. M. M. Adrov. *Trudy PINRO* no. 16:251-268 '64.

## ATLANTIC OCEAN—HERRING

Atlantic and Scandinavian herring yield as related to lasting climatic changes. I. G. Rudanov. *Mat. i. byokhoz. issl. Sev. bas.* no. 4:9-13 '64.

Prolonged observations on the distribution of plankton during spring and summer herring feeding period in the Norwegian and Greenland Seas (1951-1962). E. A. Pavshitskaya. *Trudy PINRO* no. 16:151-164 '64.

Spawning efficiency and yield evaluation of the Atlantic and Scandinavian herring in 1962 and 1963. I. G. Rudanov. *Mat. i. byokhoz. issl. Sev. bas.* no. 4:22-34 '64.

## ATLANTIC OCEAN—HYDROLOGY

Hydrological observations in the western part of the Atlantic Ocean. A. I. Klimenko, V. I. Pakharyuk. *Trudy PINRO* no. 16:15-23 '64.

## ATLANTIC OCEAN—MARINE SEDIMENTS

Relief and bottom sediments of the shelf and continental slope of the northwestern Atlantic. I. K. Avilov. *Trudy VNIRO* 57:173-234 '65.

Some data on the bottom relief and grounds of the West African shelf. I. K. Avilov. *Trudy VNIRO* 57:215-217 '65.

## ATLANTIC OCEAN—OCEAN BOTTOM

Relief and bottom sediments of the shelf and continental slope of the northwestern Atlantic. I. K. Avilov. *Trudy VNIRO* 57:173-234 '65.

Some data on the bottom relief and grounds of the West African shelf. I. K. Avilov. *Trudy VNIRO* 57:215-217 '65.

## ATLANTIC OCEAN—OCEAN CURRENTS

Calculation of the annual variation of drift transport in the upper layer of the North Atlantic. L. A. Zhukov. *Trudy Len. gidromet. inst.* no. 17:51-60 '64.

Calculation of wind currents in the North Atlantic. H. J. Turjakov. *Trudy Len. gidromet. inst.* no. 17:108-110 '64.

Dynamics of the waters of the Faeroe-Iceland sill. M. A. Bogdanov. *Trudy VNIRO* 57:37-41 '64.

System of equatorial countercurrents of the Atlantic Ocean. N. K. Khmarchenko, N. Z. Khlyatov, V. G. Zhidkov. *Okeanologiya* 5 no. 2:222-228 '65.

## ATLANTIC OCEAN—OCEAN TEMPERATURE

Research in the relations between the heat balance of the surface of the North Atlantic and characteristics of atmospheric circulation. V. M. Radikovich. *Trudy Len. gidromet. inst.* no. 17:62-71 '64.

Variability of water temperature on the surface of the North Atlantic over a period of several years. Van Iun-sian [Wang Yung-hsiang]. *Trudy Len. gidromet. inst.* no. 17:11-16 '64.

## ATLANTIC OCEAN—OCEANOGRAPHY

Distribution of zooplankton in the Newfoundland area in early autumn in relation to the hydrologic regime. E. V. Vladimirovskaya. *Trudy VNIRO* 57:361-366 '65.

Regionalization of the North Atlantic based on the structural similarity of water masses. H. J. Turjakov. *Trudy Len. gidromet. inst.* no. 17:127-137 '64.

## ATLANTIC OCEAN—PHYTOPLANKTON

Seasonal changes in the composition and distribution of phytoplankton in the Newfoundland area. A. A. Muvchan. *Trudy VNIRO* 57:315-360 '65.

## ATLANTIC OCEAN—PLANKTON

Distribution of plankton in the area of the Georges Bank. Browns Banks in 1962. K. A. Pavshitskaya, M. A. G. G. G. G. *Trudy PINRO* no. 16:145-148 '64.

Prolonged observations on the distribution of plankton during spring and summer herring feeding period in the Norwegian and Greenland Seas (1951-1962). E. A. Pavshitskaya. *Trudy PINRO* no. 16:151-164 '64.

Quantitative distribution of plankton in the Atlantic Ocean. I. P. Kameva. *Trudy VNIRO* 57:331-341 '65.

Seasonal phenomena in plankton of the Labrador shelf, Grand Bank off Newfoundland and Flemish Cap Bank. T. N. Semenova. *Trudy PINRO* no. 16:149-177 '64.

Some data on plankton in the Dakar-Freetown area. N. S. Khromov. *Trudy VNIRO* 57:393-404 '65.

## ATLANTIC OCEAN—WEATHER FORECASTING

Comparison of the average monthly values of the hydro-meteorological elements and their anomalies with O. F. Vangenberg's types of atmospheric circulation. K. V. Kondratovich. *Trudy Len. gidromet. inst.* no. 17:118-127 '64.

## ATLANTIC OCEAN—ZOOPLANKTON

Distribution of zooplankton in the Newfoundland area in early autumn in relation to the hydrologic regime. E. V. Vladimirovskaya. *Trudy VNIRO* 57:361-366 '65.

## ATMOSPHERE

(see also subdivision under Arctic regions; Atlantic Ocean)

Changes in the circulation in the atmosphere and hydrosphere. M. A. Bogdanov. *Trudy VNIRO* 57:413-427 '65.

Effect of the stability of stratification on turbulent transfer in the over-water atmospheric layer. A. M. Mkhitarian. *Izv. AN Arm. SSR, Ser. fiz. -mat. nauk* 18 no. 2:96-105 '65.

Joint analysis of the thermal state of the ocean and processes in the atmosphere. S. T. Pagava. *Met. i. gidrol.* no. 7:11-18 Ji '65.

Relation between the height of the tropopause and the maximum wind velocity. N. Aliev. *Izv. AN Uz. SSR, Ser. fiz. -mat. nauk* 9 no. 1:105-108 '65.

## ATMOSPHERIC PRESSURE

(see also subdivision under Arctic regions)

Calculating the tropopause height and the geopotential on the levels of 500, 300, and 200 mb. N. Aliev. Izv. AN Uz SSR Ser. fiz.-mat. nauk. 9 no. 2:75-81 '65.  
Statistical analysis of the effect of various layers of the troposphere on changes of pressure at the earth's surface. N. I. Zverev, E. P. Zvereva. Trudy TSIP no. 139 58-65 '65.

## ATMOSPHERIC PRESSURE—PHYSIOLOGICAL EFFECT

Effect on the animal body of prolonged inhalation of pure oxygen under conditions of lowered barometric pressure. N. A. Agadzhanian and others. Zhur. vys. neiz. deiat. 15 no. 3 438-444 My-Je '65.

## ATMOSPHERIC TEMPERATURE

(see also subdivision under Arctic regions; Norwegian Sea; Transcaucasia)

Dependence of the total ablation of the surface of glaciers on the air temperature. V. G. Khodakov. Meteor. i gidrol. no. 7:48-50 Ji '65.

Forecast of maximum air temperature in heavy cloudiness according to data of morning sounding of the atmosphere. O. P. Glazova. Meteor. i gidrol. no. 7:37-40 Ji '65.

Forecasting the air temperature for winter. D. A. Drogaitsev. Trudy TSIP no. 139:35-46 '65.

Statistical method of forecasting the air temperature and the quantity of precipitation for a month. K. A. Vasilukov. N. I. Zverev, D. A. Ped'. Trudy TSIP no. 139 22-28 '65.

A transient problem of thermal conductivity. D. L. Laikhtman, I. A. S. Rabinovich. Trudy Len. gidromet. inst. no. 17:113-117 '64.

## ATMOSPHERIC TURBULENCE see subdivision under Arctic regions

## ATOMIC BEAMS—SCATTERING

Reflections of atomic fluxes of potassium, rubidium, and cesium from a quartz plate. L. I. Miasnikov, L. D. Raigorodskii, B. A. Fhagin. Zhur. tekhn. fiz. 35 no. 3:542-545 Mr '65.

## ATOMIC BOMB

Bomb, Michel. [Robert Oppenheimer and the atomic bomb. Abridged translation from the French] Robert Oppenheimer i atomnaya bomba. Moskva, Gosatomizdat, 1963. 147 p. illus. (NCD)

## ATOMIC MEDICINE—CONGRESSES

10th annual conference of the Society of Nuclear Medicine (Montreal, Canada). 15 Oaipov, A. IA. Probof'ev. Med. rad. 10 no. 5 81-91 My '65.

## ATOMIC NUCLEI see Nuclei, Atomic

## ATOMIC POWER—LAW AND LEGISLATION

J. P. Pierard's "Civil liability: atomic energy and comparative law." O. Oleanu. Vest. Mosk. un. Ser. 10: Pravo 20 no. 1 82-84 Ja-Mr '65.

## ATOMIC POWER PLANTS

Electrical section of the reactor of the first atomic power plant. I. V. Moizov. Elek. sta. 36 no. 4:45-49 Ap '65.

## ATOMIC SHIPS see subdivision under Germany, West

## ATOMIC SPECTRA

Excitation of atoms by electrons and the broadening of spectral lines. I. I. Sobel'man. Zhur. eksp. i teor. fiz. 49 no. 3:965-970 Mi '65.

## ATOMIC THEORY

Dependence of the relative population of displaced levels of the copper atom on the electron concentration in an arc discharge plasma. L. I. Kiselevskii, V. N. Snopko. Zhur. prikl. spekt. 2 no. 3:207-211 Mr '65.

## ATOMIC WARFARE

Khromov, B. M. [Combined radiation-caused lesions] Kombinirovannyye luchevyye porazheniya. Leningrad, Medgiz, 1958. 341 p. (DNLM)

Terasov-Agalkov, N. A., and A. I. Popovskii. [Extinction of fires in the focus of a nuclear explosion] Tusheniye pozharov v yadernom ocelage porazheniya. Moskva, DOSAAF, 1965. 41 p. (Naseleniye o grazhdanskol oborone)

## ATOMIC WEAPONS see subdivision under Germany, West; Great Britain

## ATOMIC WEAPONS—INTERNATIONAL CONTROL

Battles around the atomic bomb. Commentator. Mezhdunar. zhizn' 12 no. 6:76-79 Je '65.

## ATOMIZATION

Effect of surface-active agents on the atomization of liquids. V. I. Kochetov, E. S. Kiselevskii, R. M. Garalshin. Koll. zhur. 27 no. 2 203-208 Mr-Apr '65.

Graphic method for calculating a centrifugal atomizer. V. S. Bud, B. G. Kobylko. Trakt. i sel'khozmas. no. 5 21-23 My '65.

## ATOMIZATION—EQUIPMENT AND SUPPLIES

Making the UPN-6-63 unit for powder spraying of low-melting materials. B. I. Urbanovich. Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5 42-44 My '65.

## ATROPHY

Compound therapy in atrophy of the optic nerves. U. S. Musabell, O. M. Vasil'eva. Azarb. med. zhur. 42 no. 3:10-19 Mr '65.

## ATROPHY, MUSCULAR

Progressive spinal syndrome in electric trauma. P. Ovcharova, K. Tsvetanova. Zhur. nevro. i psikh. 65 no. 6:848-851 '65.

## ATTORNEY AND CLIENT

Position of defense counsel in criminal proceedings. M. Ninkishvili. Sots. zakon. 42 no. 6:35-37 Je '65.

## AUCHENORRIYINCHA see subdivision under Fergana Valley

## AUDIO-VISUAL EQUIPMENT

Vinylstrips and their sale. IU Borisova. Knizh. tovg. 16 no. 3 30-31 Mr '65.

Let's supply the schools with teaching equipment. Nar. obs. no. 6:128 Je '65.

New electric aids. V. V. Rassokhin. Sred. spets. obr. 12 no. 2 17-19 I '65.

## AUDIOMETRY

Optical-acoustic effect and its influence on auditory analyzer. P. P. Pavinskii. Vest. LGU 20 no. 9:95-105 '65.

## AUDITING AND INSPECTION

(see also subdivision under Lithuania; Moldavia)

The auditor is an active aid for the investigator. A. Nechaenko, N. Neklepov, L. Ronzhin. Bukhg. uch. 22 no. 2:52-56 F '65.

For better coordination of work. M. Tkachuk. Fin. SSSR 39 no. 6:24-25 Je '65.

Improve the control and auditing work of financial organs in every way possible. I. Monolito. Fin. SSSR 39 no. 6: 7-14 Je '65.

Luk'yanov, A. N., and V. A. Rodionov. [Party and state control in industry] Partinno-gosudarstvennyi kontrol' v promyshlennosti. Moskva, Myel', 1965. 278 p.

Rogov, T. A. [Organization of control and auditing work in financial organs] Organizatsiya kontrol'no-revizionnoy raboty v finansovykh organakh. Moskva, Finansy, 1965. 79 p.

Verification of plan fulfillment. A. Malyshev. Plan. khoz. 42 no. 6:40-44 Je '65.

## AUREOMYCIN

Biological activity and mechanism of the antimicrobial action of chlorotetracycline and oxytetracycline. M. I. Lutsianskii, S. M. Filizovskii. Vestn. AN BSSR. Ser. sel'sk. nav. no. 4:107-113 '64.

Practices in the elimination of edema in young pigs. V. G. Zarova, L. P. Panina. Veterinariya 42 no. 6: 69-71 Je '65.

Use of skim milk with the addition of biomyelin. I. A. Matveev. Veterinariya 41 no. 4:69-70 Ap '65.

## AUREOMYCIN—PHYSIOLOGICAL EFFECT

Effect of chlorotetracycline on the viability of ducklings. M. I. Lotenkov. Khim. v sel'. khoz. 3 no. 4:61-65 Ap '65.

## AUREOMYCIN AS FEED

Comparative evaluation of biomyelin and a preparation of the broth culture of *Preptonibacterium* and *Lactobacillus acidophilus*. N. T. Kiba, E. I. Pugachev, I. M. Gorinov. Veterinariya 41 no. 4:71-73 Ap '65.

## AUSTRALIA—INVESTMENTS, AMERICAN

Bitter fruits. . . . L. Aleksandrov. Mezhdunar. zhizn' 12 no. 6:108-110 Je '65.

## AUSTRIA—CITIES AND TOWNS

Through the cities of Austria. G. P. Maslennikov. Gor. khoz. Mosk. 39 no. 5:39-42 My '65.

## AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Correspondence in regard to the play "Pushkin" ("The last days"). M. Iul'gakov, V. Veresov. Vop. lit. 9 no. 3:151-171 Mr '65.

Siberia is a poetland. A. Koptelov. Vop. lit. 9 no. 6: 39-55 Je '65.

Specific character of epistolary publications. S. Rozanova. Vop. lit. 9 no. 6:214-218 Je '65.

## AUTHORS, ESTONIAN—CORRESPONDENCE, REMINISCENCES, ETC.

Returning to the past. R. Stige. Vop. lit. 9 no. 3:144-150 Mr '65.

## AUTHORS, UZBEK—CORRESPONDENCE, REMINISCENCES, ETC.

I shall praise the dawn. Zul'fija. Vop. lit. 9 no. 6:56-63 Je '65.

## AUTHORS, WHITE RUSSIAN—CORRESPONDENCE, REMINISCENCES, ETC.

Skrjabin, Ianka. [Morning dew; literary notes, reminiscences, portraits] Ranshinia rosy, literaturniya natatki, uspominy, portrety. Minsk, Belarus', 1965. 228 p.

## AUTOCLAVES

Interlocking construction for steaming cylinders. V. F. Altukhov. Der. prom. 14 no. 5:27-28 My '65.

## AUTOMATA

Abstract synthesis of sequential machines by answers to the questions of the first type of a questionnaire language. A. A. Tal'. Avtom. i telem. 28 no. 4:678-682 Ap '65.

Construction of a control automaton using ferrite-transistor elements. P. A. Hrezdova, V. I. Kartashov. Avtomatika 10 no. 2:54-60 '65.

Decoding automata invariant relative to the initial state. V. I. Levenstein. Probl. kib. no. 12:125-136 '64.

Equivalent transformations of certain types of automata. N. A. Gorbavitskaya. Probl. kib. no. 12:5-28 '64.

Possibility for constructing algorithms of abstract synthesis of sequential machines in questionnaire language. L. A. Gusev, A. A. Tal'. Avtom. i telem. 26 no. 3:510-520 Mr '65.

Simplest symmetrical game of many automata. V. A. Borovikov, V. I. Bryzgalov. Avtom. i telem. 28 no. 4: 683-687 Ap '65.

Treatment of the theory of automata by methods of the theory of relations. M. A. Spivak. Probl. kib. no. 12: 69-97 '64.

## AUTOMATIC CONTROL

Absolute stability of nonlinear regulated systems with distributed parameters. A. Kh. Gell. Avtom. i telem. 26 no. 3:401-408 Mr '65.

Absolute stability of some classes of control systems. V. A. Brusil. Izv. vys. ucheb. zav.; radiofiz. 8 no. 1: 206-207 '65.

Akademiya nauk URSS, Kiev. Fiziko-mekhanicheskii institut. [Direct current measuring converters] Izmeritel'nye preobrazovateli postoiannogo toka. Pod red. L. A. Sinit'skogo. Kiev, Naukova dumka, 1965. 373 p.

Algorithm of the synthesis of multiply coupled linear automatic control systems. IU. F. Maksimenko. Trudy MINKHGP no. 52 99-110 '64.

Analysis of automatic control systems with modulators and half-wave demodulators. V. I. Gostev. Izv. vys. ucheb. zav.; radiofiz. 8 no. 2:380-391 '65.

Analysis of discrete Markovian systems by means of stochastic graphs. G. A. Medvedev. Avtom. i telem. 26 no. 3:485-491 Mr '65.

Applicability of the necessary conditions of the calculus of variations to a Boltz-Mayer type problem. V. A. Kosmodemianskii. Prikl. mat. i mekh. 20 no. 2:368-372 Mo-Apr '65.

Approximation of the experimental transient characteristics by means of the lagging exponential diagram. T. I. Tsareva, S. M. Smirnov. Nauch. trudy MYLP no. 30:283-290 '64.

Astatic reproduction of transcendental functions using servo systems with variable structure. S. V. Emel'ina, A. I. Fedotova. Avtom. i telem. 26 no. 3:434-462 Mr '65.

Author's reply to remarks on the article "Technical and economic effectiveness of overall automation and remote control in electrical power distribution networks." N. S. Shablin. Elek. sta. 36 no. 4:81-83 Ap '65.

Automatic control of fueling diesel locomotives. A. S. Razhdensvenskii, M. I. Gokhman. Zhel. dor. transp. 47 no. 6:65-68 Je '65.

Automatic control of furnaces for the heat treatment of G13L steel castings. P. F. Parnajuk. Lit. prozvy. no. 2:15-16 F '65.

Automatic control of moisture in tunnel dryers for synthetic fibers. A. Z. Grishchenko and others. Khim. volok. no. 2:37-39 '65.

Automatic control of the ammoniation process in the production of combined fertilizers. A. I. Ioffe, A. A. Uverskiy. Khim. prom. [Ukr.] no. 2:68-70 Ap-Je '65.

Automatic control of the dynamic level in siphon water supply wells. G. F. Melanfid. Nefteprom. delo no. 4: 30-31 '65.

Automatic control of the return cooling cycle in a sintering plant. V. A. Syromianskii and others. Metallurg 10 no. 8:6-8 Je '65.

Automatic maintenance of the water level in scrubbers for the water purification of gas by removing CO<sub>2</sub>. E. A. Glovinsk, V. A. Lebedev. Neftepar. i neftekhim. no. 1:46-47 '65.



# **AUTOMATIC CONTROL (Continued)**

- Automatic regulation of the acidity of a solution. V. D. Larisev. *Vestn. i avtom. proizv.* 19 no. 4:10-12 Apr '65.
- Automatic regulation of the running depth of tractor-driven plows. A. B. Lurie, A. P. Iofinoy. *Zap. Len. sel'khoz. inst.* 85:192-206 '61.
- Automating the condensate stations of a petroleum refinery. B. K. Pioshchenko. *Mash. i nef. obr.* no. 5:25-31 '65.
- Automating the production of sulfuric acid. A. E. Nedobozhkin. *Nefteper. i neftekhim.* no. 1:43-46 '65.
- Automating the trimming of ends and thread rolling on thin-walled, c-type parts made by cold extrusion. P. A. Meshchanchuk. *[Nauch. trudy] ENIKMASHA* 11:112-120 '65.
- Automation of the technological process of manufacturing stator plate sections for micromotors and electric motors of the new unified series. I. E. Gol'dberg, V. I. Stadnichenko, N. I. Leusenko. *Bull. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 3:30-33 May '65.
- Automation of the technological process of the synthesis of higher alcohols. V. P. Kuzin. *Khim. prom.* 41 no. 5:369-374 May '65.
- Based on a method of combined derivatives. I. G. Belkin, B. N. Panchikov. *Avtom. i telemekh.* 26 no. 3:548-550 Mar '65.
- Belitskii, V. F. [Design of magnetic semiconductor elements for automatic control and computer technology, a manual] *Proektirovaniye magnitnopoluprovodnikovykh elementov avtomatiki i vychislitel'noi tekhniki, uchebnoye posobie.* Moskva, Mosk. in-t inzhenerov zhelezn. dor., transp., 1964. 78 p.

## **[MICROFILM]**

- Belt conveyor with automatic control. E. B. Shumakov. *Trudy GIVT* 13:49-27-36 '63.
- Bukhgal'ts, V. P. [Circuit track pickups for automatic control in rail transportation] *Putevye datchiki avtomaticheskogo kontrolia na relovom transporte.* Moskva, Energiya, 1965. 79 p. (Biblioteka po avtomatike, no. 137).
- Calculating the tuning parameters of the system for the automatic control of alcohol evaporation. B. Z. Barlasov, L. A. Belkin, L. M. Pin. *Khim. prom.* 41 no. 5:366-368 May '65.
- Calculation of fluctuation error in sampled-data optimizing control systems with synchronous detectors. A. A. Tunik. *Avtomatika* 10 no. 2:29-35 '65.
- Cascade system for controlling a simple rectification column. A. A. Vykhodtsev. *Nefteper. i neftekhim.* no. 1:41-43 '65.
- Combined system of the automatic regulation of the running depth of tractor-driven tillage implements. A. P. Iofinoy. *Zap. Len. sel'khoz. inst.* 85:177-183 '61.
- Construction and dynamics of frequency and power control systems. L. D. Sterninson. *Izv. AN SSSR, Energ. i transp.* no. 2:50-61 Mar-Apr '65.
- Controlling models in multivariable systems. K. D. Zhuk. *Avtomatika* 10 no. 1:9-19 '65.
- Controlling the hydrostations of a power system as a problem of the shortest way in a labyrinth. I. U. E. Gultev. *Izv. AN Azerb. SSR Ser. fiz.-tekhn. i mat. nauk* no. 6:69-74 '64.
- Criteria of the optimum control systems of automated sugar factories. E. K. Shigin, P. M. Kaz'min. *Sakh. prom.* 39 no. 4:34-39 Apr '65.
- Derivation of the equation for the system of the automatic regulation of the running depth of tractor-driven plows. A. B. Lurie. *Zap. Len. sel'khoz. inst.* 85:172-176 '61.
- Design of a contact apparatus with internal heat exchange as the object of automatic regulation. I. U. S. Matros, V. S. Beskov. *Khim. prom.* 41 no. 5:357-361 May '65.
- Design of optimal pursuit trajectories. G. S. Rozenberg. *Avtom. i telemekh.* 26 no. 4:629-633 Apr '65.
- Determination of an optimizing control indicator and the algorithm of the computer system of an optimizing controller of inertial members. O. R. Savin, I. I. A. Cherkov. *Avtomatika* 10 no. 1:26-34 '64.
- Determination of nonlinear characteristics of control objects with gaussian input actions. I. U. F. Kichatov. *Avtom. i telemekh.* 26 no. 3:470-474 Mar '65.
- Determination of the reliability of automatic control systems. V. S. Novikov, V. S. Novikov. *Avtomatika* 10 no. 1:85-88 '65.
- Development of the automatic control of power units in hydroelectric power plants in the U.S.S.R. A. N. German. *Energomashinostroyeniye* 11 no. 3:8-10 Mar '63.
- Discrete memory devices in automatic control systems used in the evening of industrial production. V. P. Khavkin. *Nauch.-issl. trudy VNIITEKMAKSHA* no. 11:3-23 '64.
- Dispersion methods of random functions and the application to the study of nonlinear control objects. N. S. Raibman, A. T. Terekhin. *Avtom. i telemekh.* 26 no. 3:500-509 Mar '65.
- Dynamic characteristics of a pipeline included in the control stage of a thermal process. B. G. Volk. *Avtom. i telemekh.* 26 no. 3:539-544 Mar '65.

- Dynamics of the regulation of the processes in the preparation of solutions in viscose production. A. Z. Grishchenko, G. L. Bondarenko. *Khim. volok.* no. 2:39-42 '65.
- Effect of transducer dimensions on the measurement error of automatic control systems used in the evening of the grade of production. V. P. Khavkin. *Nauch.-issl. trudy VNIITEKMAKSHA* no. 11:24-31 '64.
- Entropy stability of dynamic systems. A. A. Krasovskii. *Avtom. i telemekh.* 26 no. 3:545-547 Mar '65.
- Equivalent representation of the automatic control system of identical units in parallel operation. O. S. Sobolev. *Izv. AN SSSR, Energ. i transp.* no. 2:101-111 Mar-Apr '65.
- Evaluation of the optimum order of approximation of the input function of a trigonometric polynomial. M. A. Dukhovnyi, F. H. Fainshtein. *Avtomatika* 10 no. 1:3-8 '65.
- Experimental system for the automatic control of evaporating equipment in a molasses factory. L. N. Kuz'menkov, N. I. Kondratenko, I. U. G. Biragov. *Sakh. prom.* 39 no. 4:60-65 Apr '65.
- General problems of invariance and autonomy in essentially nonlinear automatic systems. V. V. Pavlov. *Avtomatika* 10 no. 2:79-80 '65.
- Ginzburg, S. A., I. I. A. Lekhtman, and V. S. Malov. [Principles of automatic and remote control] *Osnovy avtomatiki i telemekhaniki. Pod obshch. red. S. A. Ginzburga.* Izd. 3., perer. Moskva, Energiya, 1965. 511 p.
- Increasing the stability of digital control systems by uniting the elements into circular structures. I. U. G. Savchenko. *Radiotekhnika* 20 no. 4:72-76 Apr '65.
- Investigating the dynamic properties of the pads of ironing presses. A. S. Ruznitssev, T. I. Tsareva, V. L. Bratt. *Nauch. trudy MTILP* no. 30:269-282 '64.
- Isakov, A. I. [Automation of the quality control of parts made of wood and wood plastics] *Avtomatizatsiya kontrolia kachestva detalей iz dreviny i drevesykh plastikov.* Moskva, Lesnaya promyshlennost', 1965. 263 p.
- Method for determining the phase-frequency characteristics of a system using logarithmic amplitude-frequency characteristics with random slope of its individual sections. D. E. Polonnikov. *Avtom. i telemekh.* 26 no. 4:721-723 Apr '65.
- Method for optimal system design. G. M. Ostrovskii. *Avtom. i telemekh.* 26 no. 3:435-442 Mar '65.
- Method for using the natural fluctuations in the automatic search of extremum for objects subject to optimization containing control systems. S. V. Alekseev. *Avtom. i telemekh.* 26 no. 4:688-704 Apr '65.
- Method of matrix inequalities in the theory of the stability of nonlinear regulated systems. Part 2. Absolute stability in a class of nonlinearity with derivative condition. V. A. Iakubovich. *Avtom. i telemekh.* 26 no. 4:577-580 Apr '65.
- Minimum of the maximum deviation of a controllable linear system. A. A. Pervozvanskii. *Izv. AN SSSR, Mekh.* no. 3:51-57 Mar-Apr '65.
- Multidimensional control in complex industrial plants with consideration of the invariance of the quality of the final product. V. A. Romanov. *Avtom. i telemekh.* 26 no. 4:663-668 Apr '65.
- Operating a four-zone holding furnace on natural gas with automatic control. S. E. Khuzid and others. *Stal'* 25 no. 5:484-488 May '65.
- Operating a pipeline with radiating walls. G. N. Kul'baashnyi. *Nefteper. i neftekhim.* no. 1:47-48 '65.
- Operation of a blast furnace with automatic control of the blast distribution through the tuyes. G. I. Chernov and others. *Metalurg* 10 no. 6:8-10 Jun '65.
- Operational reliability of cognitive systems with positive feedback. H. L. Ortkhmezuri. *Avtomatika* 10 no. 2:76-78 '65.
- Optimal processes in systems whose transfer functions contain zeroes. A. A. Pavlov. *Avtom. i telemekh.* 26 no. 4:634-641 Apr '65.
- Optimizing control without search oscillations using adaptive plant models. V. I. Kostluk. *Avtomatika* 10 no. 2:21-28 '65.
- Optimum control in ordinary dynamic systems. N. N. Krasovskii. *Usp. mat. nauk* 20 no. 3:153-174 May-Jun '65.
- Optimum control of quasiharmonic systems. G. E. Kolosov, R. L. Stratonovich. *Avtom. i telemekh.* 26 no. 4:601-614 Apr '65.
- Optimum realization of trajectories. G. N. Mil'shtein. *Avtom. i telemekh.* 26 no. 4:621-628 Apr '65.
- Orthogonal representation of random functions in statistical dynamics of automatic control systems. Part 1. S. I. A. Raevskii. *Avtom. i telemekh.* 26 no. 4:654-662 Apr '65.
- Possibility of constructing optimizing controllers without trial steps in the plant. I. U. M. Chekhvili. *Avtomatika* 10 no. 2:80-93 '65.
- Principles of creating automatic mining complexes for flat seams. A. V. Dokukin. *Ugol'* 40 no. 5:18-25 May '65.
- Problem concerning the relaxation of a linear system under minimum intensity of control. N. N. Krasovskii. *Pril. mat. i mekh.* 20 no. 2:218-225 Mar-Apr '65.

- Problem of multiple control. V. G. Litman. *Izv. MINKHGP* no. 52:52-64 '61.
- Radical method for the synthesis of an automatic controller. O. I. Dolisenko. *Avtomatika* 10 no. 2:1-15 '65.
- Rasprigyn, L. A. [Random search in problems of the optimization of multiparametric systems] *Sluchai'nyi potisk v zadachakh optimizatsii mnogoparametricheskikh sistem.* Riga, Izd-vo "Zinatne," 1965. 211 p.
- Rectification column as an object of automatic control. I. U. N. Mikhailov. *Trudy MINKHGP* no. 52:65-74 '61.
- Reduction of the idle time of equipment resulting from efficient design of operational control systems. I. I. Barvinskii. *Avtomatika* 10 no. 2:53-7 '65.
- Region of the linearity of the characteristics of a nonlinear automatic control system. M. O. Ianchikov. *Avtomatika* 10 no. 1:42-48 '65.
- Semiempirical method for constructing a transient response curve of an automatic control system with a digital computer in a closed circuit. A. V. Novikov, V. S. Nedavill. *Avtomatika* 10 no. 1:20-25 '65.
- Sensitivity of automatic control systems. P. V. L. K. vich, R. S. Rubman. *Avtom. i telemekh.* 26 no. 4:710-724 Apr '65.
- Simulation of a corrector like an optimal regulator without trial motions. I. P. Korokov, I. I. Vozlov. *Avtomatika* 10 no. 1:58-64 '65.
- Solution of a diffusion alternative equation by exact total derivative equations. I. U. V. Ponomarev, I. I. Statonovich. *Avtom. i telemekh.* 26 no. 1:111-113 May '65.
- Some algorithms of automatic optimization with test actions. M. S. Langer. *Trudy MINKHGP* no. 52:75-84 '61.
- Stability of multiloop automatic systems with special functional coupling superposed on the controller coordinates. I. E. V. Zaitseva. *Avtomatika* 10 no. 2:17-20 '65.
- Statistical analysis of systems with multilinear and nonlinearities. I. P. Karakov. *Avtom. i telemekh.* 26 no. 3:463-469 Mar '65.
- Steam is regulated by automatic. S. I. Uspasova. *Sakh. Kazakh.* 23 no. 3:67 Mar '65.
- A stochastic problem in regulation theory. A. B. Gerasim. *Optim. plan.* no. 2:69-74 '61.
- Structural redundancy of machine information. A. A. Kaugorlnakht. *Izv. AN Azerb. SSR Ser. fiz.-tekhn. i mat. nauk* no. 1:40-46 '65.
- Study of automatic control systems with the added phase-amplitude criteria of the necessary stability with respect to modulus and phase. A. S. Kibin. *Izv. ucheb. zav. radiofiz.* 8 no. 1:203-206 '65.
- Study of the absolute position stability in nonlinear automatic control systems using logarithmic frequency characteristics. B. N. Naumov. *Avtom. i telemekh.* 26 no. 4:501-500 Apr '65.
- Study of the accuracy of nonlinear nonstationary systems using a statistical linearization technique. V. M. Aleksandrov and others. *Avtom. i telemekh.* 26 no. 3:492-499 Mar '65.
- Synthesis of a certain class of optimal systems with consideration of the limitation of the controlling action. V. M. Vinogradov. *Avtom. i telemekh.* 26 no. 3:411-414 Mar '65.
- Synthesis of a high-quality automatic control system using a model with satisfaction of the final law principle. T. P. Tikhov, L. A. Ilanchikov. *Soy. fiz. zov.* *Avtomatika* 10 no. 1:35-41 '65.
- Synthesis of a third-order control system with fast response for linear discrete objects. Part 2. A. F. Moroz. *Avtom. i telemekh.* 26 no. 3:410-420 Mar '65.
- Synthesis of optimal automatic systems using a dynamic programming method. B. S. Dilyk. *Avtomatika* 10 no. 1:76-80 '65.
- Transient processes in non-search type adaptive systems with a model and slowly varying control action. V. I. Rutkovskii. *Avtom. i telemekh.* 26 no. 4:642-653 Apr '65.
- Tuning of the command system of rail welding plants. S. A. Solodovnikov. *Puti' put. khoz.* 9 no. 1:29-31 '65.
- Use of tunnel diodes in automatic control systems. I. A. G. Barkan. *Elektrichestvo* no. 5:35-38 May '65.
- Using radioisotope pickups in automatic control of objects for continuous steel teeming. N. P. Matosov. *Mekhn. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5:3-4 May '65.

## **AUTOMATIC CONTROL—ABSTRACTS**

[Automatic control, remote control, and computer technology] *Ref. zhur.: Avtom., i telemekh. i vych. tekhn.* no. 7:31 '65.

## **AUTOMATIC CONTROL—RELIABILITY**

Synthesis of reliable systems from unreliable elements using a feedback method. Part 1. V. B. Ilichovskii. *Avtomatika* 10 no. 1:40-57 '65.

## **AUTOMATIC MACHINERY** see Machinery, Automatic

## **AUTOMATIC PILOT (SHIPS)**

Nechaev, P. A., and N. B. Kudrovich. [Electronic navigation instruments] *Elektronavigatsionnye pribory.* Izd. 2., ispr. i dop. Moskva, Transport, 1965. 405 p. diagr. (insert)

## AUTOMATIC TIMERS

Study of the errors of pneumatic timers. I. A. Lapshenko. Trudy MINKHGP no. 52 78-82 '64.

## AUTOMATION

Automating drying chambers at the "Stroitel" Plant in Dnepropetrovsk. A. I. Leenson, N. S. Baraniuk. Stroitel, 11 no. 115-16 Ap '65.

Automating the asynchronous drive of skip hoisting equipment during deceleration and drawing-up periods with the use of a low-frequency current. A. L. Vinogradov. Izv. vys. ucheb. zav., tsvet. met. 8 no. 1152-158 '65.

Automation and communication. A. A. Zhuravskii, K. M. Makhmutov. Goi khoz. Mosk., 39 no. 1-13-47 Ap '65.

Automation and mechanization of industrial processes at the Krasnodar metallurgical plant. V. G. Alekchenko, I. U. A. Shveytlin. Metallurg 10 no. 6-35 Jo '65.

Automation as the principal essence of the modern scientific and technical revolution. Z. A. Grandberg. Vest. Moskv. un. Ser. 6' Ekon., filos. 20 no. 2-3-10 Mo -Ap '65.

Automation of industrial processes in the iron and steel industry. L. A. Charkhov. Metallurg 10 no. 6-1-2 Jo '65.

Automation of production processes. O. Gervorkova. Proizv. Arm. 8 no. 4-22-23 Ap '65.

Automation of safety and control systems of heating in automated heating boilers. N. M. Galyukhin, M. B. Shovin. Nov. tekhn. zhil.-kom. khoz. Zhil. khoz. no. 2, 71-85 '63.

Automation of the control of naval forces under modern conditions. N. I. Nikol'skii. Mor. bor. 48 no. 5' 54-60 My '65.

Borozhkin, P. N., ed. [Mechanization and automation in welding; practices of Ural plants] Mekhanizatsia i avtomatizatsia svarkochnogo proizvodstva; opyt uralskikh zavodov. Moskva, Mashinostroyeniye, 1965, 155 p.

Dondarenko, P. S. [Automation of continuous line systems] Avtomatizatsia sistem potochnogo transporta. Moskva, Energiya, 1965, 103 p. (Biblioteka po avtomatizatsii, no. 132)

Determining the level of mechanization and automation in welding. P. I. Sevbo. Avtom. svar. 10 no. 3-62-67 Mr '65.

Fifth All-Union Scientific and Technical Conference on the Use of Computer Techniques in the Automation of Production. Elektrichestvo no. 6.05 My '65.

Grosikhov, A. I. [Fundamentals of the mechanization and automation of technological processes in the manufacture of airplanes] Osnovy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov v samolostoimenii. Moskva, Mashinostroyeniye, 1965, 347 p.

In the State Committee of Instrument Manufacture, Means of Automation and Automatic Control Systems. Mekh. i avtom. proizv. 10 no. 4-57 Ap '65.

Klov, Institut avtomatizatsii. [Automation of industrial processes in the coal and ore mining industry] Avtomatizatsia proizvodstvennykh protsessov v ugol'noi gornorudnoi promyshlennosti. Pod red. L. A. Sholkheita. Kiev, 1964, 101 p.

Main objectives in the area of creating equipment for the overall mechanization and automation of stoping operations. A. V. Topchev, V. N. Khorin. Ugol' 40 no. 5-12-18 My '65.

Manual on automation of production processes and devices for controlling and measuring. V. N. Arvanti. Mekh. stroit. 22 no. 2-30-31 P '65.

Mechanization and automation of storage operations in the enterprises of the Leningrad Economic Council. IU. A. Peiten. Mekh. i avtom. proizv. 10 no. 4-17-22 Ap '65.

Overall mechanization and automation of a forge shop. A. V. Malutin, I. N. Makarov. Mekh. i avtom. proizv. 10 no. 4-1-7 Ap '65.

Relationship between the efficiency and automation level in introducing new equipment and new technological processes. K. S. Spivakov. Mashinostroyeniye no. 2-16-19 Mr -Ap '65.

Seminars, conferences, and meetings on cybernetics and automation in 1965. Avtomatika 10 no. 1-93 '65.

Two algorithms for the cognition of industrial situations. IU. M. Chekhovyi. Avtomatika 10 no. 1-89-91 '65.

Ukraine. Gosudarstvennaya planovaya komissiya. Institut avtomatizatsii. [Complete automation in steelmaking] Kompleksnaya avtomatizatsia proizvodstva stal'. Pod red. M. I. Korobko. Kiev, In-t tekhn. informatsii, 1963, 193 p.

Ways for overall mechanization and automation of ship repair. V. Kernerman. Mor. flot 25 no. 4-29 Ap '65.

Work of the Azerbaijan Polytechnical Institute on automation and cybernetics. D. B. Dalasanyov. Gaz. deto no. 6-42-43 '65.

## AUTOMATISM

Data on the theory of automatic (periodic) functions of living systems. T. D. Burmistrova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:27-28 '64.

## AUTOMOBILE DRIVERS

Enthusiasm of cross-country automobile driving. Sov. voen. 47 no. 7-43 Ap '65.

## AUTOMOBILE DRIVERS' LICENSES

Dismissal of chauffeurs deprived of the right to drive. L. G. Konakhin. Vest. Mosk. un. Ser. 10 Pravo 20 no. 1-26-32 Ja -Mr '65.

## AUTOMOBILE INDUSTRY

Construction of automobile factories in Russia during the years of the First World War, 1914-1917. S. V. Voronkova. Ist. zap. 75 147-169 '65.

"Konela," a Soviet-Finnish joint stock company. A. Engibarov. Vnesh. torg. 45 no. 6-36-42 '65.

AUTOMOBILE INDUSTRY—ACCOUNTING see subdivision under Gorkiy, Moscow Province

## AUTOMOBILES—DESIGN AND CONSTRUCTION

Davidovich, S. M. [Design and working principles of tractors and automobiles] Ustroistvo traktorov i avtomobilei. 2., perer. i dop. izd. Leningrad, Kolos, 1965, 510 p.

Evaluating automobile quality on the basis of consumers' requirements. IU. Dolmatovskii. Tekhn. est. no. 4; 7-11 Ap '65.

## AUTOMOBILES—ENGINES

Life of the M-21 engines. A. Pesenko, P. Cherednichenko. Avi. transp. 43 no. 5-30-32 My '65.

Studying the running-in process of automobile motors. E. V. Mikhailovskii, I. B. Gurevich. Trudy GSKH 9' 280-317 '68.

## AUTOMOBILES—MAINTENANCE AND REPAIR

(see also subdivision under Leningrad)

Equipment for washing automobiles. V. Pankov. Avi. transp. 43 no. 6-14-15 Je '65.

## AUTOMOBILES—PARTS

Calculating the force of clamping of matrices with a vertical plane of splitting in the forging of an automobile ball pin. R. I. Neperzhin. Kuz.-shtam. proizv. 7 no. 4-12-15 Ap '65.

Die for two-side curling of hollow parts. V. P. Ivashkevich. Kuz.-shtam. proizv. 7 no. 4-44-45 Ap '65.

## AUTOMOBILES—PNEUMATIC EQUIPMENT

Bleiz, N. G., L. A. Gletzer, and V. T. Panfilov. [Pneumatic system for automobiles] Avtomobil'nye pneumaticheskie pribory. Moskva, Voenizdat, 1965, 148 p.

## AUTOMOBILES—TESTING

Evaluating automobile quality on the basis of consumers' requirements. IU. Dolmatovskii. Tekhn. est. no. 4-7-11 Ap '65.

## AUTOMOBILES—UPHOLSTERY

Soft thermoplastic materials for the interior decoration of the means of transportation. T. Pechkova. Tekhn. est. no. 4-19-21 Ap '65.

## AUTOMOBILES—WHEELS

Optical stand for checking and adjusting wheel alignment. V. Matukhin. Avi. transp. 43 no. 6-28-30 Je '65.

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

## AUTORADIOGRAPHY

Authoradiographic investigation of the distribution of niobium in the weld-affected zone of Kh18Ni9Ti steel. G. L. Petrov, V. A. Ignatov. Avtom. svar. 18 no. 4; 15-19 Ap '65.

Authoradiographic study of protein-producing cells. P. V. Makarov. Arkh. anat., gist. i embr. 48 no. 4; 3-16 Ap '65.

Study of the distribution of intravenously administered <sup>198</sup>Au-labeled rose bengal and colloid radioactive gold Au<sup>198</sup> by the method of autoradiography. R. G. Nikitina. Trudy TSU 71:185-188 '64.

## AVALANCHES

Equations describing the equilibrium of the snow cover on concave and convex parts of slopes. IU. D. Moskalov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 9 no. 2-82-88 '65.

Urgent tasks for the increase of the efficiency of the measures for the control of rockfall phenomena. N. M. Roishvili. Trudy GPI [Gruz.] no. 7:135-144 '63.

## AVESTAN LANGUAGE

Sokolov, S. N. [Language of the Avesta; a textbook] Iazyk Avesty, uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1964, 413 p.

## AVIATION ASTRONOMY—YEARBOOKS

A new aviation astronomy yearbook. L. M. Vorob'ev. Mor. bor. 47 no. 5-89-91 My '64.

## AVITAMINOSIS see Deficiency diseases

## AZARKHIN, RODION

Double-bass solo. L. Ginzburg. Sov. muz. 29 no. 3' 94-95 Mr '65.

## AZATIAN, VAGARSH DAVIDOVICH, 1904-

Vagharsh Davidovich Azatian, on his sixtieth birthday. Izv. AN Arm. SSR. Khim. nauk 17 no. 4:167 '64.

## AZEPINONE

Study of the surface of a caprolactam film. V. G. Raevskii and others. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1131-131 '65.

Synthesis of  $\omega$ -aminohydroxamic acids. E. N. Zilberman and others. Zhur. ob. khim., 35 no. 5' 857-860 My '65.

## AZERBAIJAN—ANTIQUITIES

Akademii nauk Azerbaidzhanskoi SSR, Baku, Institut istorii. [Archaeological studies in Azerbaijan] Arkheologicheskie issledovaniia v Azerbaidzhane; sbornik statei. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965, 177 p.

## AZERBAIJAN—BARRAGES

New barrage wall "Zigzag." A. M. Efendiev. Put' i put. khoz. 9 no. 3-27-28 '65.

## AZERBAIJAN—CATARACT

Distribution of senile cataract in individual climatic zones of Azerbaijan. U. N. Samedova. Azerb. med. zhur. 42 no. 3-45-50 Mr '65.

## AZERBAIJAN—COLLECTIVE FARMS—LABOR PRODUCTIVITY

Makhmudov, A. A. [Some economic aspects of the intensification of production on collective farms of the Azerbaijan S. S. R.] Nekotorye ekonomicheskie voprosy intensifikatsii zemledeliia v kollektivakh Azerbaidzhanskoi SSR, 1965, 93 p.

## AZERBAIJAN—COMMUNIST PARTY OF THE SOVIET UNION

Baku, Institut istorii partii. [Communism is our goal] Nasha tsel'—kommunizm. Baku, Azerneshr, 1964, 214 p.

## AZERBAIJAN—CONSTITUTION

Azerbaidzhan. Constitution. [Constitution (fundamental law) of the Azerbaijan Soviet Socialist Republic. As amended and supplemented by the Sixth Supreme Soviet of the Azerbaijan S. S. R., first, second, fourth and fifth sessions] Konstitutsia (osnovnoi zakon) Azerbaidzhanskoi Sovetskoi Sotsialisticheskoi Respubliki. S izmeneniami i dopolneniami, prinialymi na I, II, IV i V sessiakh Verkhovnogo Soveta Azerbaidzhanskoi SSR sheslogo sozyva. Baku, Azerbaidzhanskoe gos. izd-vo, 1963, 30 p.

## AZERBAIJAN—COTTON—DISEASES AND PESTS

Paspalum digitaria and dodder in cotton fields. IA. Abba-sov. Zashch. rast. ot vred. i bol. 10 no. 5-54 '65.

## AZERBAIJAN—COTTON GROWING

Cotton productivity and its dependence on weather conditions. S. B. Mamedov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 5:125-129 '64.

Radiation balance of cotton fields in the Azerbaijan S. S. R. in the vegetation period. G. A. Gadzhiev. Izv. AN Azerb. SSR. Ser. geol.-geog. 1:103-109 '64.

## AZERBAIJAN—CROPS AND CLIMATE

Cotton productivity and its dependence on weather conditions. S. B. Mamedov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 5:125-129 '64.

## AZERBAIJAN—CUTWORMS

Some data on the biology and ecology of little-known species of cutworms. S. V. Aliev. Izv. AN Azerb. SSR. Ser. biol. nauk no. 6:43-49 '64.

## AZERBAIJAN—DAIRY INDUSTRY—FINANCE

Economic expediency of using investments and basic production resources in the meat and dairy industries of Azerbaijan. A. D. Nabili, M. A. Rustamov. Za tekhn. prog. 5 no. 3-48-48 Mr '65.

## AZERBAIJAN—ELECTRIC LINES—TESTING

Experimental determination of overvoltages in disconnecting a 220 kilowatt line. Ch. M. Dzhuvarly, G. V. Vechkhatzer, M. N. Aliev. Za tekhn. prog. 5 no. 3-22-23 Mr '65.

## AZERBAIJAN—ERINACEIDAE, FOSSIL

History of the study of the representatives of fossil Erinaceidae in Azerbaijan and the U. S. S. R. S. L. Zaidova. Izv. AN Azerb. SSR. Ser. geol.-geog. 1:118-128 '64.

## AZERBAIJAN—HISTORY

Buniatov, Zila. [Azerbaijan from the 7th to the 9th century] Azerbaidzhan v VII-IX vv. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965, 379 p.



## BACTERIOSTASIS

Evaluation of the bactericidal and bacteriostatic properties of diiod. I V Sepl, M.D. Lipkin, I.M. Evstafatov Zhur. mikr. biol. epid. i imm. 42 no. 3 75-78 Mr '65.

**BACTRIAN LANGUAGE (OLD BACTRIAN)** see Avesta language

## BAHDANOVICH, MAKSYM ADAMAVICH, 1891-1917

Bogdanovich, A.E. [Pages from the life of Maksim Gor'kii. Materials for the biography of Maksim Bogdanovich. My remembrance] Stranitsy iz zhizni Maksima Gor'kogo. Materialy k biografii Maksima Bogdanovicha, Mol. vospominaniia. [Minsk] Nauka i tekhnika [1965] 228 p.

## BAIKAL, LAKE—PARASITES—FISHES

Zaika, V.E. [Parasites of fishes in Lake Baikal] Parazitofauna ryb ozera Baikal. Moskva, Nauka, 1965. 105 p.

## BAIKAL LAKE REGION—GEOLOGY, STRUCTURAL

Tectonics of the western slopes of the Altai Range (northwestern Lake Baikal region). Zh. V. Seminskii Geol. i geofiz. no. 3 112-175 '65.

## BAIKAL LAKE REGION—INDUSTRIES

More about the Baikal: a review of letters. Oktabr' 41 no. 4 171-174 Ap '65.

## BAKERIES

Mechanization of production should have priority. G. Suvorkin Sov. pishch. koop. 0 no. 3 37-39 Mr '65.

**BAKERIES—ACCOUNTING** see subdivision under Ukraine

## BAKHURUSHIN, ALEKSEI ALEKSANDROVICH, 1895-1920

A life given to the theater. A. Rotokanov. Teatr. 26 no. 5 137-125 My '65.

## BAKU—COMMUNIST EDUCATION

Strengthening the contact with the propaganda collectives. G. Abilova Agitation. 33 no. 11 26-27 Je '65.

## BAKU—RAILROADS—STATION SERVICE

Modern terminal in Baku. M. M. Akhmedov. Zhel. dor. transp. 47 no. 6 21-23 Je '65.

## BAKU ARCHIPELAGO—GEOLOGY, STRUCTURAL

Some problems of the paleogeography and geotectonic development of the Baku Archipelago in the Pliocene and Quaternary. A. L. Putkaradze. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 5 3-12 '64.

## BALABANESHTY REGION (MOLDAVIA)—SLAVIC

ANTIQUITIES  
Ancient site of the Chernykhov Culture near the Balabaneshy village. I. A. Rikman. Mat. i issl. po arkheol. SSR no. 116 253-258 '64.

**BALANCE OF PAYMENTS** see subdivision under United States

## BALANCING OF MACHINERY

Balancing of equipment parts in sugar factories. M. I. Rybalkin. Sokh. prom. 39 no. 5 31-32 My '65.  
Stand for balancing crankshafts. A. Kantayn. Avi. transp. 13 no. 6 39-40 Je '65.

## BALCONIES

Designs and plantings for balconies. V. K. Iurkevich, A. P. Luninikov. Gor. khoz. Mosk. 39 no. 5 35-39 My '65.

## BAIJURNA, VERA MIKHAILOVNA

Pages of a life. Mariia Avgustaina. Teatr. 20 no. 3 119 Mr '65.

## BALKAN MOUNTAINS—MICROPALEONTOLOGY, STRATIGRAPHIC

Colloquium on the micropaleontology of the Stratigraphic Commission of the Carpatho-Balkan Geological Association. I. V. Vennikova. Geol. zhur. 25 no. 2 113-114 '65.

## BALKAN PENINSULA—SOCIALISM

V. I. Lenin and the struggle of the revolutionary social democrats of the Balkan countries against the imperialist war, 1914-1915. M. A. Birman. Sov. stav. no. 2 8-20 '65.

## BALKHASH LAKE REGION—IRON INDUSTRY

Balkhash and Ill and the possibilities of organizing a large industrial complex in the Lake Balkhash region. M. S. Bulanovskii. Izv. AN SSSR. Ser. geog. no. 3 63-63 My-Je '65.

## BALKHASH LAKE REGION—WATER RESOURCES DEVELOPMENT

Balkhash and Ill and the possibilities of organizing a large industrial complex in the Lake Balkhash region. M. S. Bulanovskii. Izv. AN SSSR. Ser. geog. no. 3 63-63 My-Je '65.

## BALL GAMES

Every elementary school should have Russian baseball! S. G. Grigor'ev. Nach. shkola. 33 no. 5 95-96 My '65.

## BALLET

(see also subdivision under Cambodia; Hungary; Kyrgyz; Leningrad)

The composer and the theater. A. Spadavetskii. IU. M. Iutun. O. Dadashkhanli. Teatr. 26 no. 4 46-49 Ap '65  
Jubilee of a ballet. S. Mironov. Teatr. 26 no. 3 108 Mr '65.

Sources of the great Russian ballet. IU. Slonimskii. Teatr. 26 no. 5 62-63 My '65.

## BALSAMS

Noncrystalline balsams from pine resins. B. Petrosi. Gidroliz. i lesokhim. prom. 18 no. 4 14 '65.

## BALTIC ECONOMIC REGION—WOOD-USING INDUSTRIES

Latvijas Padomju Sociālistiskās Republikas Zinātņu akadēmija. Ekonomikas institūts. [The lumbering and woodworking industry of the Baltic Economic Region; its condition and prospects for development] Lesopil'no-derevozobratyvatel'shchika promyshlennost' Pribaltiskogo ekonomicheskogo rajona, sostoiatelnost' i perspektivy razvitiia. Riga, Izd-vo Akad. nauk Latviskoi SSR, 1964. 95 p.

## BALTIC SEA—CAROTENOIDS

Chlorophyll and carotenoids in the sediments of the Baltic Sea and the Gulf of Riga. T. I. Gorshkova. Trudy VNIRO. 57 313-328 '65.

## BALTIC SEA—CHLOROPHYLL

Chlorophyll and carotenoids in the sediments of the Baltic Sea and the Gulf of Riga. T. I. Gorshkova. Trudy VNIRO. 57 313-328 '65.

## BALTIC SEA—MARINE SEDIMENTS

Chlorophyll and carotenoids in the sediments of the Baltic Sea and the Gulf of Riga. T. I. Gorshkova. Trudy VNIRO. 57 313-328 '65.

## BALTIC SEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS

In the true spirit of the Guard. P. D. Grishchenko. Mor. sbor. 48 no. 4 37-40 Ap '65.

## BALTIC SEA REGION—GEOLOGY, STRATIGRAPHIC

Soveschaniye po stratigrafi i paleogeografi devona Pribaltiki. Vilnius, 1962. [Problems of the Devonian stratigraphy and paleogeography of the Baltic region; reports] Voprosy stratigrafi i paleogeografi devona Pribaltiki; [doklady]. Pod red. V. N. Karatalute-Talmaa i V. V. Narbutasa. Vilnius, Mintis, 1964. 145 p.

## BALTIC SEA REGION—PALEOGEOGRAPHY

Soveschaniye po stratigrafi i paleogeografi devona Pribaltiki. Vilnius, 1962. [Problems of the Devonian stratigraphy and paleogeography of the Baltic region; reports] Voprosy stratigrafi i paleogeografi devona Pribaltiki; [doklady]. Pod red. V. N. Karatalute-Talmaa i V. V. Narbutasa. Vilnius, Mintis, 1964. 145 p.

## BALTIC STATES—ANNEXATION TO RUSSIA

Current events. Nov. vrem. 23 no. 27 12-13 Ji '65.

## BALTIC STATES—BIOCHEMISTRY—CONGRESSES

White Russia Dedicated to the 20th Anniversary of the Latvian, Lithuanian and Estonian Soviet Socialist Republics. Tezisy dokladov. Redaktory E. E. Martinson, L. A. Tkachev. Tartu, Tartuski gos. univ. ESSR, 1960. 165.

[MICROFILM]

## BALTIC STATES—CITIES AND TOWNS—GROWTH

Lietuvos TSR Mokslu akademija. Geologijos ir geografijos institutas. [Transactions of the Conference on the Problems of the Distribution of Industry and the Development of Cities; Vilnius, August 20-24, 1963] Trudy Konferentsii po voprosam razmeshcheniya promyshlennosti i razvitiia gorodov. Vilnius, 20-23 avgusta 1963 g. Vilnius, 1963. 200 p. (NN)

## BALTIC STATES—COMMERCE

Lietuvos TSR Mokslu akademija. Geologijos ir geografijos institutas. [Transactions of the Conference on the Problems of the Distribution of Industry and the Development of Cities; Vilnius, August 20-24, 1963] Trudy Konferentsii po voprosam razmeshcheniya promyshlennosti i razvitiia gorodov. Vilnius, 20-23 avgusta 1963 g. Vilnius, 1963. 200 p. (NN)

## BALTIC STATES—CONSTRUCTION INDUSTRY—PRICES

On the agenda: Estimated norms and prices. A. Borshid'skii. Ekon. stroit. no. 5 79-80 My '65.

## BALTIC STATES—HISTORY

Path of the people in the Baltic Sea region. Justas Palutskis. Nov. vrem. 23 no. 29 1-3 Ji '65.

## BANACH SPACES

Algebraic extendability of the solution to one nonlinear operator equation in a Banach space. S. Marnashev. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk. 0 no. 1 28-33 '65  
Conditions for the differentiability of norms of Banach spaces. M. I. Kadets. Usp. mat. nauk. 20 no. 3 193-187 My-Je '65.

Interpolation theorem for modular spaces. B. S. Mitagin. Mat. sbor. 66 no. 4 473-482 Ap '65.

Krein, M. G. [Lectures on the theory of stability of the solution of differential equations in a Banach space] Lektsii po teorii ustoychivosti reshenii differentsial'nykh uravnenii v banakhovom prostranstve (otredaktsirovannye i dopolnennye IU. L. Dalatskim, Kiev, Akad. nauk USSR, In-t matematiki, 1964. 186 p.

## BAND SAWS—WELDING

Machine for soldering band saws. N. F. Tatarko. Svar. proizv. no. 4 36 Ap '65.

## BANKS AND BANKING

(see also subdivision under Leningrad, Novosibirsk Province, Odessa Province; Vitebsk Province)

Brief information on foreign exchange and banks abroad. Den. i kred. 23 no. 5 83-89 My '65.

Brief information on foreign exchange and banks abroad. Den. i kred. 23 no. 6 88-91 Je '65.

Expand the development of the communist labor movement. A. Kozhevnikov. Den. i kred. 23 no. 5 44-47 My '65.

In the Board of Directors of the State Bank of the U. S. S. R. Den. i kred. 23 no. 6 92-93 Je '65.

The State bank and the development of capital assets of industry. M. Pessel. Den. i kred. 23 no. 5 8-14 My '65.

State Bank branches and improvement in the quality of consumers' goods. M. Rabinovich. Den. i kred. 23 no. 6 21-25 Je '65.

State Bank field branches during the period of the Great Patriotic War. L. Kats. Den. i kred. 23 no. 5 39-43 My '65.

## BANKS AND BANKING—ACCOUNTING

(see also subdivision under Ore; White Russia)  
Centralization of accounting in State Bank branches. G. Sigolaev. Den. i kred. 23 no. 5 61-64 My '65.

## BAPTISM

Vdovichenko, P. V. [What a believer is being taught in the sects] Chemu uchat veruyushchego v sektakh. Minsk, Belarus', 1965. 42 p. (Biblioteka ateista)

## BAPTISTS

(see also subdivision under Alma-Ata; Estonia; Moscow; Tallinn)

Broadened picture of the All-Union Council of Evangelical Christians and Baptists. R. K. Brat. vest. no. 6 41-43 '64.

In memory of Ivan Kalinnikovich Pan'ko. A. V. Karev. Brat. vest. no. 6 64-66 '64.

[van Kalinnikovich Pan'ko, obituary] K. S. Valiseichik, S. I. Bokun, A. M. Ketako. Brat. vest. no. 6 62-63 '64.

Local news. Brat. vest. no. 6 71-77 '64.

My recollections. M. S. Vashchuk. Brat. vest. no. 6 59-61 '64.

To all parishes of Evangelical Christians and Baptists in the U. S. S. R. Brat. vest. no. 6 3-4 '64.

## BAR-TOGAY REGION (KAZAKHSTAN)—PARASITES—HARES

Changes in the helminth fauna of the sand hare (Lepus tolai Pall.) in the Bar-Togay area. E. V. Gvozdev. Izv. AN Kazakh SSR. Ser. biol. nauk. 3 no. 1 92-96 Ja-F '65.

## BAR-TOGAY REGION (KAZAKHSTAN)—WORMS, INTESTINAL AND PARASITIC

Changes in the helminth fauna of the sand hare (Lepus tolai Pall.) in the Bar-Togay area. E. V. Gvozdev. Izv. AN Kazakh SSR. Ser. biol. nauk. 3 no. 1 92-96 Ja-F '65.

## BARANUSKAS, ANTANAS, 1836-1902

Works of Antanas Baranuskas. A. Buchta. Vop. lit. 9 no. 6 230-232 Je '65.

## BARANSKI, NIKOLAI NIKOLAEVICH, 1891-1964

N. N. Baranski and Soviet urban geography. I. Maergol. Vop. geog. no. 66 3-5 '65.

## BARBITURATES

Anesthesia in carrying out cerebral angiography in patients with acute cranio-cerebral traumas. B. V. Chetverushkin, V. B. Rumyantsev, IU. S. Toffe. Trudy Inst. im. N. V. Sklif. 8 122-126 '63.

Microcrystalloscopic detection of some barbituric acid derivatives in forensic chemical investigations. A. V. Belova. Sud.-med. ekspert. 3 no. 2 37-45 Ap-Je '60.



## BEAMS AND GIRDERS (Continued)

Determining the internal forces of statically indeterminate reinforced concrete beams and flexures taking into account the inelastic characteristics of the elements. V. N. Bakov. *Bet. i zheleznobeton. st.* 11 no. 4:38-41 Ap '65.

## BEAMS AND GIRDERS—ELASTIC PROPERTIES

Method for solving the problem of bending a beam with cylindrical anisotropy. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 1:61-72 '65.

**BEANS—DISEASES AND PESTS** see subdivision under Ukraine

**BEARING INDUSTRY—ACCOUNTING** see subdivision under Volga Economic region

**BEARING INDUSTRY—MANAGEMENT** see subdivision under Moscow

## BEARING METALS—METALLOGRAPHY

Nature of large nonmetallic inclusions in ball bearing electric steel. Z. A. Shevchenko and others. *Stal'* 25 no. 5:452-451 My '65.

## BEARINGS (MACHINERY)

Calculating the hydrostatic lifting of shafts in journal and thrust bearings. I. I. A. Tokar', B. I. Bilyi. *Vest mashinosti* 45 no. 5:14-20 My '65.

Design of thrust bearings. I. I. A. Tokar', B. I. Bilyi. *Mashinovedenie* no. 3:91-99 '65.

Elastic packing in units with antifriction bearings. B. Z. Akhmedov and others. *Vest TSNII MPS* 21 no. 1:32-35 '65.

## BEARINGS (MACHINERY)—LUBRICATION

Automatic control of lubrication. P. Z. Lamin and others. *Mekh. i avtom. protzv.* 19 no. 4:37-38 Ap '65.

Some conclusions from the theory of lubrication of thrust bearings in case of a variable viscosity of the oil film. A. K. D'yachkov. *Mashinovedenie* no. 3:79-80 '65.

## BEARINGS (MACHINERY)—MAINTENANCE AND REPAIR

Restoring bronze bearing by the thermomelting method. I. Korol'kov. *Tekhn. v sel'khoz* 25 no. 5:73 My '65.

**BEARS** see subdivision under Soviet Far East

## BEDNYI, DEM'IAN, 1893-1945

Makarov, A. N. Dem'ian Bednyi. Moskva, Khudozhestvennaya literatura, 1944. 156 p. (Massovaya istoriko-literaturnaya biblioteka) (InU) (NeU) (TU)

## BEE CULTURE

A book on the biology of the bee colony and the victories of science. V. Gubin. *Vest sel'khoz nauk* 8 no. 8:150-157 Ag '63.

## BEE VENOM—THERAPEUTIC USE

Treatment of thoracic radiculitis and stenocardia with bee venom. V. I. Sal'mikov. *Trudy Inst. in N. V. Sklif.* 6 no. 2:174-178 '62.

**BEEF CATTLE—FEEDING AND FEEDS** see subdivision under Kazakhstan

**BEEH—MICROBIOLOGY** see subdivision under Uzbekistan

## BEETS, SUGAR

see Sugar beets

## BEKLESHOVA, EKATERINA THERENT'EVNA

Theater of Beklesheva. E. Poliakova. *Teatr* 26 no. 4:106-108 Ap '65.

## BELGIUM—ELECTIONS

Instructive results of an election. G. Vasil'ev. *Mezhdunar. zhizn'* 12 no. 7:115-116 Ji '65.

## BELGIUM—FOREIGN RELATIONS—RUSSIA

Thirty years later: a letter from Brussels. V. Zagladin. *Nov. vrem.* 23 no. 28:7-9 Ji '65.

## BELGOROD PROVINCE—AGRICULTURAL ADMINISTRATION

There is every possibility of increasing the output of agricultural products. N. Vasil'ev. *Kommunist* 42 no. 10:24-34 Ji '65.

## BELGOROD PROVINCE—DAIRYING

"The secret" of a good disposition. P. Lemesheko. *Part. zhizn'* no. 12:68-60 Je '65.

## BELGOROD PROVINCE—MICE

Significance of forest ravines in the life of marine rodents of steppe oak forests. O. V. Petrov. *Vest LGU* 20 no. 9:29-32 '65.

## BELGOROD PROVINCE—TEACHING

In progressive schools. E. Kalukova. *Nar. obr.* no. 6:16-24 Je '65.

## BELIAEV, PAVEL IVANOVICH, 1925-

Walking above the earth. A. Lit'mayev. *NTO* 7 no. 5:6-8 My '65.

## BELIAEVA, V.

V. Beliaeva as Noia. E. Khodunova. *Teatr* 26 no. 5:141 My '65.

## BELINSKII, VISSARION GRIGOR'EVICH, 1811-1848

Penza. Gosudarstvennyi pedagogicheskiy institut. [V. G. Belinskii, articles dedicated to the 150th anniversary of his birth] V. G. Belinskii, sbornik statei, posviashchen-nykh 150-letiiu so dnia rozhdeniia. Penza, 1961. 202 p.

## BELOV, YVGENII NIKOLAEVICH

A theater and its head stage director. K. Krivitskii. *Teatr* 26 no. 1:16-21 Ja '65.

## BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—GEOLOGY, STRUCTURAL

Characteristics of the elastic waves from the interface in the crystalline basement in the southern part of the Belozerska iron-ore region and its subsurface structure. L. T. Kaluzhnaia, V. B. Sollogub, A. V. Chekunov. *Geofiz. sbor.* no. 8:34-43 '64.

## BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—IRON ORES

Physical properties of rocks and ores in the Krivoy Rog Basin and Belozerska iron ore region. V. N. Kholin, N. A. Shestov, I. A. Garkalenko. *Geofiz. sbor.* no. 9:101-106 '64.

## BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—SEISMIC PROSPECTING

Characteristics of the elastic waves from the interface in the crystalline basement in the southern part of the Belozerska iron-ore region and its subsurface structure. L. T. Kaluzhnaia, V. B. Sollogub, A. V. Chekunov. *Geofiz. sbor.* no. 8:34-43 '64.

## BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—STILPOMELANE

Stilpnomelane of the Belozerska region. V. D. Ladueva. *Geol. zhur.* 25 no. 2:73-76 '65.

## BELTS AND BELTING

Ignatovich, A. M. [New type crawler belts; a textbook for students specializing in construction and transportation machinery] Gusenchyns lentny novogo tipa; ucheb-nae posobie dlia studentov spetsial'nosti SM. Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transp., 1963. 113 p. [MICROFILM]

## BELTS AND BELTING—TESTING

Investigating the rigidity of the cogged gear drive belt of sewing machines. B. I. Damskin, V. A. Lobanov. *Nauch. trudy MTLP* no. 30:241-245 '64.

## BENGAL, BAY OF—OCEANOGRAPHY

Some characteristics of the hydrology of the waters flowing around Hindustan. M. S. Edol'man. *Trudy VNIRO* 57:79-92 '65.

## BENHIMA, AHMED TALBI, 1927-

People and events: Abel Thauley-Ganga; Maximo Pacheco Gomez; Ahmed Benhima. *Nov. vrem.* 23 no. 28:15, 31 Je '65.

## BENOIS, ALEXANDRE, 1870-1960

Elkind, M. G. [Alexandre Nikolaevich Benois, 1870-1960] Aleksandr Nikolaevich Benois, 1870-1960. Leningrad, Iskusstvo, 1965. 214 p. illus. (Zhivopis', skulptura, grafika)

**BENTHOS** see subdivision under Adriatic Sea; Atlantic Ocean; Dering Sea; Caspian Sea; Pacific Ocean; Tyrrhenian Sea

## BENTONITE

(see also subdivision under Armenia)

Thixotropy in organic suspensions of bentonite and aerosil. N. I. Serafa, P. I. Zubov, L. V. Ivanova. *Koll. zhur.* 27 no. 2:259-263 Mr-Apr '65.

## BENTONITE—OPTICAL PROPERTIES

Study of the electro-optical properties of bentonite. V. S. Arakelian, R. A. Kazarian, L. V. Simonian. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 1:134-139 '65.

## BENZALDEHYDE

Reaction of benzaldehyde and urea with  $\beta$ -naphthol. V. P. Mamayev, V. M. Ignat'ev. *Izv. AN SSSR, Ser. khim.* no. 8:1107-1108 '65.

## BENZENE

Obtaining benzene by the hydrogenation of the products of fuel pyrolysis. A. B. Vol'-Epshtein and others. *Khim. prom.* 41 no. 6:325-329 My '65.

Obtaining high-purity grades of benzene. L. I. Marlich. *Khim. prom. (Ukr.)* no. 2:6-8 Ap-Je '65.

Orientation in substitution in the aromatic series. Isomerization of trichlorobenzenes. I. U. G. Erykalov, V. M. Filatov. *Izv. vys. ucheb. zav., khim. i khim. tekhn.* 8 no. 1:75-81 '65.

Polymorphism in the system m-dinitrobenzene - trinitrobenzene. G. B. Ravich, O. F. Boguslavskii. *Izv. AN SSSR, Ser. khim.* no. 6:1077-1079 '65.

## BENZIDINE

Benzidine method for detecting cytochromes in microbial cells. L. V. Kalakutskii, Z. Rzhagachek. *Mikrobiologiya* 34 no. 2:366-369 Mr-Apr '65.

## BENZIMIDAZOLE—THERAPEUTIC USE

Effect of dibazol on the growth of tumors and resistance of animals with melanomas and Ehrlich's ascites tumors. V. Ia. Rusin. *Vop. onk.* 11 no. 3:53-56 '65.

## BENZIMIDAZOLETHIOL

Physicochemical and flotation properties of displaced benzimidazolethiones. I. A. Karkovskii, G. N. Tiurenkova. *Izv. vys. ucheb. zav., tsvet. met.* 8 no. 1:21-27 '65.

## BENZOCADINE—SIDE EFFECTS

Idiosyncrasy to anesthetics. M. P. Tarasova. *Trudy Inst. in N. V. Sklif.* 5 no. 2:209-211 '62.

## BENZOFURAN—SPECTRA

Coumarans, their synthesis and spectral studies. Part 2. T. A. Rudol'fi and others. *Zhur. ob. khim.* 35 no. 5:880-888 My '65.

## BENZOC ACID

Infrared absorption spectra of complex compounds of cadmium halides with aminobenzoic acid isomers. M. K. Allavlia, T. Saidaliev, I. U. T. Tashpulatov. *Zhur. neorg. khim.* 10 no. 6:1493-1495 Je '65.

Polymerization of 4-vinylbenzoic acid esters. G. M. Pogossian, G. A. Zhamkochian, S. G. Matsian. *Vysokom. scud.* 7 no. 4:707-709 Ap '65.

## BENZONITRILE

Reactions of triethylaluminum with benzonitrile. S. V. Pasykevich, S. A. Matsiashek. *Izv. AN SSSR, Ser. khim.* no. 8:1118-1119 '65.

## BENZOPHENONE

Synthesis of 4, 4'-dichlorobenzophenone. S. P. Starkov. *Trudy IRCA* no. 25:131-134 '63.

## BENZOPYRENE

3, 4-Benzopyrene content in paraffin of various degrees of purification. N. D. Golelova, P. F. Dikun. *Vop. onk.* 11 no. 3:115-116 '65.

## BENZOTHAZOLE

Complex formation of copper salts with 2-hydroxyalkylbenzothiazoles and 2-methylbenzothiazole. M. V. Artemenko, K. T. Sitarenko. *Zhur. neorg. khim.* 10 no. 5:115-116 My '65.

## BEREZIM, EFIM

Twenty with a hook. I. U. Dmitriev. *Teatr* 26 no. 5:105-108 My '65.

## BEREZNIKI (PERM PROVINCE)—CHEMICAL PLANTS

City on the Kama River. O. G. Chistovskii. *Priroda* 54 no. 6:99-95 Je '65.

## BEREZNIKI (PERM PROVINCE)—CITY PLANNING

City on the Kama River. O. G. Chistovskii. *Priroda* 54 no. 6:99-95 Je '65.

## BERG, ALBAN, 1865-1935

"Wozzeck" and musical expressionism. I. U. Keldysh. *Sov. muz.* 29 no. 3:103-112 Mr '65.

## BERING SEA—BENTHOS

Zoogeographic complexes, trophic zones, and marine bottom biocenoses. L. G. Vinogradov, A. A. Neiman. *Trudy VNIRO* 57:425-445 '65.

## BERING SEA—MARINE SEDIMENTS

Power of modern bottom deposits and rate of deposit formation in the Bering Sea. D. E. Gershanovich. *Trudy VNIRO* 57:261-269 '65.

## BERING SEA—SEAWATER—COMPOSITION

"Hydrochemistry of the Bering Sea" by V. N. Ivanenkov. Reviewed by S. V. Bruevich. *Okeanologiya* 5 no. 2:380-381 '65.

## BERLIN—THEATER

Shakespeare in the Berlin Ensemble. B. Raikh. *Teatr* 26 no. 6:152-153 My '65.

## BERLIN, BATTLE OF, 1945

The closing hours of years. I. Semchenkov. *Agitator* 33 no. 9:12-16 My '65.

To Berlin! A. Puchinskii. *Voen.-ist. zhur.* 7 no. 5:81-91 My '65.

Victory banners over Berlin. A. Vorozheikin. *Kryl. rod.* 16 no. 5:4-5 My '65.

## BERLIN QUESTION (1945- )

International guarantees of the status of a free city. P. M. Kuris. *Vest. Mosk. un. Ser. 10: Pravo* 20 no. 1:68-75 Ja-Mr '65.



## BERRIES

Estimating the resources of mountain cranberries, whortleberries, bog bilberries, and cranberries in the forest zone of the European part of the U.S.S.R., P. A. Krasnikova, A. A. Nikitin. *Russ. res.* 1 no. 1 130-149 '65

## BERRIES—DISEASES AND PESTS

see subdivision under *Krasnoyarsk Territory*

## BERRIES—IRRIGATION

Organizing the area and the irrigation network for the watering of berry patches and fruit tree nurseries using the KDU-55M unit. I. U. A. Markov. *Sbor. nauch. rab. NII sad.* no. 10 128-135 '64

## BERYLLIUM—ANALYSIS

Determination of Be<sup>7</sup> in the samples of atmospheric aerosols and in precipitates in the presence of fission fragments. L. I. Gedeonov, O. A. Rylov, N. A. Susorova. *Radiokhimiya* 7 no. 2 254-255 '65

## BERYLLIUM COMPOUNDS

Complex formation of beryllium with certain  $\alpha$ -hydroxy acids. I. F. Kolosov, T. A. Belavskaya. *Zhur. neorg. khim.* 10 no. 4 764-771. Ap '65

## BERYLLIUM OXIDE

Genesis and the porous structure of beryllium oxide. I. B. Silinikova. *Kin. i kat.* 6 no. 1 155-158. Ja-F '65.

## BESSEL'S FUNCTIONS

Mathematical Tables Project. [Tables of spherical Bessel functions. Translated from the English.] *Tablitsy sfericheskikh funktsii Bessela. Obrabotka tablits i perevod teksta s angliiskogo E. A. Chistovoi i K. S. Il'ina.* Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. v. 1. (Biblioteka matematicheskikh tablits) (PS)

## BESSEMER PROCESS

Conditions for the service of linings of oxygen-blown converters with a capacity of 100-130 tons (Mg) during the conversion of vanadium cast iron. G. V. Golov and others. *Stal'* 25 no. 6 537-538. Je '65.

Developing and mastering the technology of converting vanadium cast iron in oxygen-blown converters with a 100 ton (Mg) capacity. V. T. Arnatov and others. *Stal'* 25 no. 6 504-508. Je '65.

Results of a year's operation and investigation of an oxygen-blown converter with a 100 ton (Mg) capacity. M. I. A. Brovman and others. *Stal'* 25 no. 6 508-511. Je '65.

Role of manganese in the oxygen-blown converter process. V. I. Zhubulin, P. S. Rubinskii. *Stal'* 25 no. 5 415. My '65

Studying the strength of a 55 ton charge oxygen-blown converter under operating conditions. V. M. Shustorovich, B. A. Morozov. *Stal'* 25 no. 5 404-407. My '65

## BESSEMER PROCESS—EQUIPMENT AND SUPPLIES

Changing the lining of the nose of a bessemer converter. V. I. Nelypa. *Metallurg* 10 no. 5 23. My '65.

## BESSEMER PROCESS—PATENTS

Lurie, L. M. [Oxygen-blown converter processes of steel production, review of foreign patents] *Kislorodno-konvertiruyemye protsessy proizvodstva stali; obzor inostrannykh patentov.* Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovani, 1964. 39 p.

(MICROFILM)

## BEZOAR

Surgical treatment of lambs with bezoars. P. D. Gricheniuk. *Veterinariya* 41 no. 6 83. Je '64.

## BIBLIOGRAPHY

[Book chronicle] *Knizh. let.* nos 23-30 '65. *Vspomogatel'nye ukazateli k nos. 1-13 za 1965 g. Dopointel'nyi vypusk no. 4 '65. Vspomogatel'nye ukazateli k nos. 1-3 za 1965 g.*

[Information index of bibliographical lists and card files] *Inform. ukaz. bibl. spis. i kart.* vol. 9, no. 11. Je '65.

[New books; bibliographical information weekly] *Nov. knigi, izsheden. inform. - bibl. zhur.* 10 nos. 21, 23-29. My-Jl '65.

## BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U.S.S.R.] *Sel'khoz. lit. SSSR* no. 10 '64.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] *Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2* 9 nos. 1-3. Ja '65.

## BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] *Nov. inostr. lit. po ist., arkheol. i etn.* no. 3 '65.

## BIBLIOGRAPHY—ARCHIVES

Russia (1923- U.S.S.R.) *Glavnoe arkhivnoe upravlenie.* [Catalog of the literature on archival work and collections of documents, 1960-1963] *Katalog arkhivovedcheskoi literatury i sbornikov dokumentov (1960-1963 gg. 1963 gg.).* Pod red. I. N. Flisova. Sost. S. V. Nefedova, A. A. Khodak, L. I. Shekhanova. Moskva, 1964. 140 p.

## BIBLIOGRAPHY—ART

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] *Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk.* 8 nos. 1-3. Ja '65.

## BIBLIOGRAPHY—ATHEISM

Books on scientific atheism. *Part. zhizn'* no. 12-77. Je '65

[New Soviet and foreign literature on the problems of atheism and religion] *Nov. sov. i inostr. lit. po vop. ateiz. i rel.* no. 12 '64, no. 1/2 '65

## BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] *Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2* 8 nos. 1-3. Ja '65.

## BIBLIOGRAPHY—BOOKSELLERS AND BOOKSELLING

Books for booklovers. G. Kuibysheva. *Knizh. org.* 16 no. 3 40. Mr '65

## BIBLIOGRAPHY—BRAGINSKII, IOSEF SAMOILOVICH, 1905-

List of the basic works by I. S. Braginskii, Doctor of Philosophical Sciences, on the occasion of his sixtieth birthday. *Nar. Az. i Afr.* no. 3-236-238. '65.

## BIBLIOGRAPHY—BUILDING

General problems of housing services. *Nov. tekhn. zhil.-kom. khoz. Zhil. khoz.* no. 2 119-148. '63.

## BIBLIOGRAPHY—CHEMISTRY

Profitable answer. V. V. Nikitin, P. M. Lotershtein. *Sov. bibl.* no. 6:29-30. '64.

## BIBLIOGRAPHY—CHEMISTS

Moscow, Publichnaya biblioteka. [Creators of a second nature; a recommended list of literature] *Sozdateli vtoroi prirody; rekomendatsii i otkrytiya literatury.* Moskva, Kniga, 1965. 25 p. (Ludi bol'shoi khimii i khimicheskoi nauki, no. 3)

## BIBLIOGRAPHY—CHILDREN'S LITERATURE

Dom Detskoi Knigi. [Glorious path of our homeland; books for children in the younger and middle age groups] *Slavnyi put' rodnoi strany; knigi dlia detei mladshogo i srednego vozrasta.* Leningrad, Izd-vo "Detskaya literatura," 1965. 62 p. (CS-1)

## BIBLIOGRAPHY—COMMUNISM

Moscow, Publichnaya biblioteka. [Fundamentals of scientific communism; index of recommended literature] *Osnovy nauchnogo kommunizma; rekomendatsii i ukazatel' literatury.* Moskva, Kniga, 1965. 93 p.

## BIBLIOGRAPHY—COMMUNIST PARTIES

Documents and articles on the history of the CPSU and the international communist and labor movement published in journals, studies, collections and transactions in May 1965. *Vop. ist. KPSS* 9 no. 7 144-149. Jl '65

## BIBLIOGRAPHY—DRAMA

Briefly about plays. *Teatr* 26 no. 5 146. My '65.

## BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences; economics, philosophy, history, international relations] *Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn.* 8 no. 6. Je '65.

[New foreign economic literature] *Nov. inostr. ekon. lit.* no. 3 '65.

## BIBLIOGRAPHY—ELECTRIC ENGINEERING

Dissertations for the degree of candidate of technical sciences. A. S. Sergeev. *Elektrichestvo* no. 3:62. Mr '65.

Dissertations for the degree of candidate of technical sciences. A. S. Sergeev. *Elektrichestvo* no. 5:93-95. My '65.

New books. *Elek. sta.* 36 no. 4 88, 86. Ap '65.

New books. *Elektrichestvo* no. 3:95-96. My '65.

## BIBLIOGRAPHY—ELECTRONIC DATA PROCESSING

Russia (1923- U.S.S.R.) *Glavnoe upravlenie vychislitel'nykh rabot.* [Annotated bibliography of the literature on machine accounting and computing work for 1964-1965] *Bibliograficheskiy annotirovannyi ukazatel' literatury po mekhanizatsii ucheta i vychislitel'nykh rabot (za 1964-1965 gg.).* Moskva, Statistika, 1965. 271 p.

## BIBLIOGRAPHY—ELECTRONIC DATA PROCESSING—RAILROADS

Russia (1923- U.S.S.R.) *Ministerstvo putei soobshcheniya. Tsentral'naya nauchno-tekhnicheskaya biblioteka.* [Automation, electronics, and computer technology in railroad transportation; index of the Soviet and foreign literature for 1959-1963] *Avtomatika, elektronika i vychislitel'naya tekhnika na zhelezнодорожном transporte; ukazatel' otechestvennoi i inostrannoi literatury za 1959-1963 gg.* Moskva, Transport, 1963. 166 p.

## BIBLIOGRAPHY—ETHNOLOGY

Dmitrii Aleksandrovich Otkerogge; on the occasion of his 60th birthday. A. I. Shechenko. *Sov. etn. i etnol.* 114. My-Jl '64.

[New foreign literature on history, archaeology, and ethnography] *Nov. inostr. lit. po ist., arkheol. i etn.* no. 3 '65.

## BIBLIOGRAPHY—EUROPE

Moscow, Publichnaya biblioteka. [Countries of Europe. Bibliography of recommended literature] *Strany Evropy; rekomendatsii i ukazatel' literatury.* Moskva, Kniga, 1965. 1 v. (CS-11)

## BIBLIOGRAPHY—HISTORY

New books. *Vop. ist.* 40 no. 7:103-105. Jl '65. [New foreign books on the social sciences; economics, philosophy, history, international relations] *Nov. knigi za rub. po obshchestv. naukam; ekon., filos., mezhdunar. otn.* 8 no. 6. Je '65.

[New foreign literature on history, archaeology, and ethnography] *Nov. inostr. lit. po ist., arkheol. i etn.* no. 3 '65.

## BIBLIOGRAPHY—HRABOVSKYI, PAVLO ARSENOVICH, 1864-1903

Bibliography of Pavlo Hrabovskiy. M. G. L'vov. *Vys. lit.* 9 no. 6:234-235. Je '66.

## BIBLIOGRAPHY—HYDRAULIC TURBINES

Bibliography on the construction of hydraulic turbines in the Lenin Metalworking Plant (22d Congress of the CPSU) *Energomašinstroenie* 11 no. 1 40-47. M. '64

## BIBLIOGRAPHY—HYDROLOGY

Literature on meteorology and hydrology in 1964. *Meteor. i gidrol.* no. 7:61-62. Jl '65.

## BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences; economics, philosophy, history, international relations] *Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn.* 8 no. 6. Je '65.

## BIBLIOGRAPHY—KOMI A. S. S. R.

[Literature on the Komí A. S. S. R. for 1963] *Literatura na Komí A. S. S. R. za 1963.* Syktyvkar, Komí knizhnoe izd-vo, 1964. 173 p.

## BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

Books, periodicals, and brochures received by the editors. *Vop. iaz.* 14 no. 1:143. Ja-F '65.

[New foreign literature on linguistics] *Nov. inostr. lit. po iaz.* no. 3 '65.

[New Soviet literature on linguistics] *Nov. sov. lit. po iaz.* no. 3 '65.

## BIBLIOGRAPHY—LATVIA—COMMUNIST PARTY

Riga, Partijas vestures instituts. [Bibliography of the history of the Latvian Communist Party, 1903-1918] *Latvijas Komunistiskās partijas vēstures bibliogrāfija, 1893-1918.* Rīga, Latvijas Valsts izdevniecība, 1964. 600 p. [In Latvian and Russian]

## BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

On the 95th anniversary of the birth of V. I. Lenin. T. P. Fil'ova. *Knizh. org.* 16 no. 3 6-7. M. '65

## BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] *Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk.* 8 nos. 1-3. Ja '65.

## BIBLIOGRAPHY—LUNACHARSKI, ANATOLII VASIL'EVICH, 1875-1933

Bibliography of Lunacharski's works. I. Khichnikov. *Vop. lit.* 9 no. 6:165-169. Je '65.

## BIBLIOGRAPHY—MACHINE ACCOUNTING

Russia (1923- U.S.S.R.) *Glavnoe upravlenie vychislitel'nykh rabot.* [Annotated bibliography of the literature on machine accounting and computing work for 1964-1965] *Bibliograficheskiy annotirovannyi ukazatel' literatury po mekhanizatsii ucheta i vychislitel'nykh rabot (za 1964-1965 gg.).* Moskva, Statistika, 1965. 271 p.

## BIBLIOGRAPHY—MEDICAL PARASITOLOGY

Soviet literature on problems of medical parasitology and parasitic diseases for 1964. N. N. Dukhanina. *Med. paraz. i paraz. bol.* 39 no. 6:747-751. N-J '64.

## BIBLIOGRAPHY—MEDICINE

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 8 nos. 1-3 Ja '65.

Tartu. Ülikool. Teaduslik Raamatukogu. [Dissertations presented to the Medical Faculty of Tartu University, 1892-1917, bibliography] Tartu ülikooli arstiteaduskonna 1892-1917 kaitsitud väitekirjad; bibliograafia. Tartu, Tartu Riiklik Ülikool, 1965. 56 p. [In Estonian, Russian and German]

## BIBLIOGRAPHY—MENTAL ILLNESS

Index of books on neuropsychiatry, psychiatry and related disciplines received in the State Central Scientific Medical Library in August 1964. L. A. Akhutina. Zhur. nevr. i psikh. 64 no. 11:1750-1751 '64.

Index of books on neuropsychiatry, psychiatry and related disciplines received in the State Central Scientific Medical Library in February and March 1965. L. A. Akhutina. Zhur. nevr. i psikh. 65 no. 8: 949-950 '65

## BIBLIOGRAPHY—METEOROLOGY

Literature on meteorology and hydrology in 1964. Meteor. i gidrol. no. 7:61-62 Ji '65.

## BIBLIOGRAPHY—MIDDLE AGES

Literature on the history of the Middle Ages published in the U. S. S. R. in 1962 Sred veka no. 26:224-233 '64.

## BIBLIOGRAPHY—MONGOLIA

New works on the bibliography of Mongolia. N. P. Shastina. Nau. Az. i Afr. no. 3:179-187 '65

## BIBLIOGRAPHY—MORAL EDUCATION

Moral education; bibliography. R. Blinder. Doshk. vosp. 36 no. 4:124-126 Ap '65

## BIBLIOGRAPHY—MUSIC

[Chronicle of musical literature] Let. muz. lit. no. 2 '65.

Vilnia, Valstybine Respublikine biblioteka. [Literature on music, 1959-1963; an index] "Muzikine literatūra, 1959-1963; rodyklė. [By] E. Juodis, Vilnius, 1965. 265 p. [In Lithuanian]

## BIBLIOGRAPHY—ORIENTAL STUDIES

List of works of Russian and Soviet Orientalists. Kh. S. Nadol' Nau. Az. i Afr. no. 3:230-233 '65.

## BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 8 no. 8 Je '65.

[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 3 '65.

## BIBLIOGRAPHY—RADIO

New books. Radiotekhnika 20 no. 4:3 of cover Ap '65.

## BIBLIOGRAPHY—RAILROADS—ELECTRIC EQUIPMENT

Russia (1923- U. S. S. R.) Ministerstvo putei soobshcheniya. Tsentral'naya nauchno-tekhnicheskaya biblioteka. [Automation, electronics, and computer technology in railroad transportation; index of the Soviet and foreign literature for 1959-1963] Avtomatika, elektronika i vychislitel'naya tekhnika na zheleznodorozhnom transporte; ukazatel' otechestvennoi i inostrannoi literatury za 1959-1963 gg. Moskva, Transport, 1965. 160 p.

## BIBLIOGRAPHY—RELIGION

[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. ateiz. i rel. no. 12 '64; no. 1/2 '65.

## BIBLIOGRAPHY—RUSSIA—HISTORY

New books. Vop. ist. 40 no. 6:173-175 Je '65.

## BIBLIOGRAPHY—RUSSIAN LITERATURE

Brief book reviews. Oktabr' 41 no. 4:220-224 Ap '65. Brief book reviews. Oktabr' 42 no. 6:216-224 Je '65.

## BIBLIOGRAPHY—RUSSIAN PERIODICALS

Tomsk, Universitet. Nauchnaya biblioteka. [Works of scientists in the publications of Tomsk University for the last 70 years, 1889-1958; systematic guide to the periodicals and collected works of the Tomsk State University] Trudy uchenykh v izdaniakh Tomskogo universiteta za 70 let, 1889-1958, sistematische-ski ukazatel' k periodicheskim izdaniyam i sbornikam TGU, Tomsk, 1962. 291 p. (NNC)

## BIBLIOGRAPHY—SCIENCE

Contemporary state of current foreign bibliography in the field of technology. A. V. Kremenetskaya. Sov. bibl. no. 6:83-102 '64.

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 10 no. 2 Ja '65.

[Literature in the languages of the Asian and African countries, an annotated catalog of current acquisitions (physical and mathematical, natural, and technical sciences), 1962-1963] Literatura na lazykakh stran Azii i Afriki, annotirovannyi katalog novykh postupivshikh (fiziko-matematicheskie, estestvennyye i tekhnicheskie nauki), 1962-1963. Leningrad, Biblioteka Akad. nauk SSSR, 1965. 47 p.

## BIBLIOGRAPHY—SEWAGE—PURIFICATION

Staraya Kupavna. Tsentral'naya nauchno-issledovatel'skaya stantsiya po sel'skokhoziaistvennomu ispol'zovaniyu stochnykh vod. [Bibliography on the natural methods of the purification of waste waters and their use in agriculture] Bibliografiya po estestvennym sposobam oshchistki stochnykh vod i ispol'zovaniyu ikh v sel'skom khoziaistve. Sost. A. I. L'vovich. Moskva, 1964. 79 p.

## BIBLIOGRAPHY—SEWAGE IRRIGATION

Staraya Kupavna. Tsentral'naya nauchno-issledovatel'skaya stantsiya po sel'skokhoziaistvennomu ispol'zovaniyu stochnykh vod. [Bibliography on the natural methods of the purification of waste waters and their use in agriculture] Bibliografiya po estestvennym sposobam oshchistki stochnykh vod i ispol'zovaniyu ikh v sel'skom khoziaistve. Sost. A. I. L'vovich. Moskva, 1964. 79 p.

## BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3; Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3; Obshchestv. nauki, khud. lit., isk. 8 nos. 1-3 Ja '65.

## BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 3:108-116 Mr '65. Bibliography. Pochvovedenie no. 4:123-134 Ap '65.

## BIBLIOGRAPHY—SOUTH AMERICA—ETHNOLOGY

Noemi Grigor'evna Shprintsin; an obituary. Sov. etn. no. 3:145-146 My-Je '64.

## BIBLIOGRAPHY—TECHNOLOGY

Contemporary state of current foreign bibliography in the field of technology. A. V. Kremenetskaya. Sov. bibl. no. 6:83-102 '64.

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 10 no. 2 Ja '65.

Instructing beginning bibliographers to fill written requests in the field of technology. E. V. Ientish. Sov. bibl. no. 6:22-25 '64.

Methods of compiling bibliographies of popular science literature on technology. N. A. Molchanova. Sov. bibl. no. 6:15-21 '64.

[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 9 nos. 4, 6 Ap, Je '65.

## BIBLIOGRAPHY—TELECOMMUNICATION

New books. Elektrsviaz' 18 5:3 of cover My '65.

## BIBLIOGRAPHY—TOMSK UNIVERSITY

Tomsk, Universitet. Nauchnaya biblioteka. [Works of scientists in the publications of Tomsk University for the last 70 years, 1889-1958; systematic guide to the periodicals and collected works of the Tomsk State University] Trudy uchenykh v izdaniakh Tomskogo universiteta za 70 let, 1889-1958, sistematische-ski ukazatel' k periodicheskim izdaniyam i sbornikam TGU, Tomsk, 1962. 291 p. (NNC)

## BIBLIOGRAPHY—UKRAINE—BUILDING

State Construction Publishing House of the Ukrainian S. S. R. in 1964. O. Gogulyatyl. Stroit. i arkh. 12 no. 2:38 F '64.

## BIBLIOGRAPHY—UKRAINE—GEOLOGY

Literature. [Pratsi] Inst. geol. nauk AN URSS, Ser. geol. rod. kor. kop. no. 1:180-181 '63

## BIBLIOGRAPHY—WATER, UNDERGROUND

Leningrad, Gornyi institut. [Concise bibliography on hydrogeology; supplement to the book "Hydrogeologist's handbook"] Kratki ukazatel' literatury po gidrogeologii; prilozhenie k knige "Spravochnoe rukovodstvo gidrogeologa." Leningrad, Gostoptekhlizdat, 1959. 138 p.

## BIBLIOGRAPHY—WORLD WAR, 1939-1945

Soviet literature on the Great Patriotic War. P. A. Zhilin, O. A. Kumaney. Vest. AN SSSR 35 no. 6:21-26 My '65.

## BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Bibliographic work of province libraries. B. A. Smirnova, N. N. Solov'eva, I. B. Teplovskaya. Sov. bibl. no. 6:3-14 '64.

Brief news. Sov. bibl. no. 6:75-79 '64.

Instructing beginning bibliographers to fill written requests in the field of technology. E. V. Ientish. Sov. bibl. no. 6:22-25 '64.

Methods of compiling bibliographies of popular science literature on technology. N. S. Molchanova. Sov. bibl. no. 6:15-21 '64.

Remove the obstacles for the receipt of bibliographic requests filled by libraries of the country. I. G. Morozuk. Sov. bibl. no. 6:26-28 '64.

## BICILIN

Changes in the content of lysozyme in the saliva of rheumatic children under the effect of bicillin therapy. L. L. Aver'anova, E. S. Fidei'man, I. B. Vol'man. Antibiotiki 10 no. 5:45-47 My '65

## BICYCLES AND TRICYCLES—DESIGN AND CONSTRUCTION

Finishing and decoration of motorcycles and bicycles. B. Rubinshtein. Tekh. est. no. 5:22-23 My '65

## BICYCLING see Cycling

## BIG BUSINESS see subdivision under United States

## BILE

Methods of studying the bile secreting function of the liver in chickens. G. F. Lavrent'eva. Trudy OSKHI 9:247-251 '55.

## BILE DUCTS—INFLAMMATION

Cases of excretion of dysentery bacteria in chronic angiocholycystitis. M. A. Mal'kumova. Zhur. mikrobiol., epid. i immunit. 42 no. 2:65-58 F '65.

## BILE SALTS

Significance of the determination of cholate cholesterol coefficient and biliary acid salts for the diagnosis of liver function in Botkin's epidemic hepatitis. A. N. Ardamatskaya. Sov. med. 28 no. 4:41-44 Ap '65.

## BILIRUBIN

Some remarks to the evaluation of enzyme activity and indices of bilirubin in the diagnosis of diseases of the liver in schizophrasia patients. M. K. Caune, Z. P. Jaksons, A. K. Filipenko. Zhur. nevr. i psikh. 64 no. 11:1705-1711 '64.

## BILL'-BELOTSERKOVSKII, VLADIMIR NAUMOVICH, 1885-

Bard of a storm. I. S. Teatr. 26 no. 4:99 Ap '65.

## BINDING MATERIALS

Buit, I. U. M. Technology of cement and other binding materials [Tekhnologiya tsementa i drugikh v'язhushchikh materialov, Izd. 4., perer. i dop. Moskva, Stroizdat, 1964. 351 p.

Introduction of the KO oil-free binder. A. A. Ridnyi, N. A. Oslipova, K. A. Andrienko. Lit. protzv. no. 2: 43-44 F '65

Oil-free KO binder. L. M. Baryshevskii and others. Lit. protzv. no. 2:11-13 F '65

Polyester acrylate emulsions as binders for cellulose fiber materials. A. A. Berlin, V. P. D'jakonova, E. I. Tikhomirova. Plast. massy no. 4:55-57 '65.

Proportioning the components of binders in the manufacture of particle boards. G. M. Shvaitsman. Der. prom. 14 no. 2:3-5 F '65

## BIOCHEMISTRY

Analysis of neurochemical mechanisms of the ascending activation of the cerebral cortex in cats during reactions of various biological types. A. I. Turenko. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:100-101 '64.

Chemical nature of the ascending activating reticular formation. K. M. Kagramanov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:47-48 '64.

Determining the sequence of bases in the biochemical code. Part 2. The principle of connectivity of series. V. A. Ratner. Probl. kib. no. 12:161-169 '64

Galatun, A. A. [Some problems of the biochemistry of hypothalamic regulation] Nekotorye problemy biokhimii gipotalamicheskoi regulatsii. Erevan, Alastan, 1965. 234 p.

Relation of morphological structures to histochemical properties of the sensorimotor cortex in rabbits during the period of formation of the negative phase of evoked potentials in early ontogeny. I. A. Chernyshevskaya. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:108-109 '64

Some data on the chemical composition of the Siberian liver fluke (Opisthorchis felinus, Rivolta, 1884). B. R. Bruskin, E. P. Efremova. Med. paraz. i paraz. bol. 33 no. 6:701-704 N-D '64.

Study of biochemistry and pathophysiology of the allergic component in the pathogenesis of schizophrasia and infectious psychoses. V. S. Shaposhnikov. Zhur. nevr. i psikh. 64 no. 11:712-716 '64.

Synchronous multiplication of microorganisms as a method of studying their biology; a review of literature. I. A. Baenak'ian. Zhur. mikrobiol., epid. i immunit. 42 no. 2:85-89 F '65.

Transformations of "potential radiation protectors" into active protective substances in the animal body. V. G. Iakovlev. Med. rad. 10 no. 6:47-51 Je '65.

## BIOCHEMISTRY (Continued)

Vladimirov, G. E., and N. S. Panteleeva. [Functional biochemistry, selected chapters. Respiratory function of the blood, biochemistry of the muscles and the brain] Funktsional'naya biokhimiya, izbrannyye glavy. Dykhatel'naya funktsiya krovi, biokhimiya myshits i mozga. [Leningrad] Izd-vo Leningr. univ., 1965. 240 p.

Zaitseva, G. N. [Biochemistry of Azotobacter] Biokhimiya azotobakter. Moskva, Nauka, 1965. 302 p.

Ziarskii, B. I., I. I. Ivanov, and S. R. Mardashev. [Biological chemistry] Biologicheskaya khimiya. 4. Izd., ispr. 1 dop. [Leningrad] Meditsina, 1965. 519 p.

## BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref. zhur.: Biol. khim. nos. 9-12 My-Je '65

## BIOCHEMISTRY—CONGRESSES

First All-Union Biochemical Congress. E. M. Kreps, I. I. Ivanov. Biokhimiya 23 no. 4:791-798. 31-Ag '64

## BIOCHEMISTRY—PERIODICALS

Objectives and tasks of the "Zhurnal' evolyutsionnoi biokhimi i fiziologii" Zhur. evol. biokhimi. i fiziol. 1 no. 1 3-6 Ja-F '65.

## BIOFLAVONOIDS

Symposium on bioflavonoids (vitamin P.) M. I. Smirnov. Vop. pit. 23 no. 6:85-87. N-D '64

## BIOLOGICAL PRODUCTS

Biologically active compounds in higher fungi. A. N. Shvirina. Rast. res. 1 no. 131-41 '65

Larch as a source of the production of a series of useful substances. K. I. Anisimova and others. Rast. res. 1 no. 174-83 '65.

Studying biologically active substances in higher plants. I. S. Kozhina. Rast. res. 1 no. 142-49 '65

## BIOLOGICAL RESEARCH

Methodology for studying the gas preference of small animals. I. S. Breslav. Fiziol. zhur. 51 no. 5:628-631. M, '65

## BIOLOGICAL WARFARE

Rozniatowski, T., and Z. Zolowski. [Biological warfare, threat and actuality. Translated from the Polish] Biologicheskaya volna, ugroza i deystvitel'nost'. Moskva, Izd-vo inostr. lit-ry, 1959. 330 p.

## BIOLOGY

Comparative psychology, etiology, psychiatry. Report No. 2: Development of views in foreign science on the biological determination of behavior under normal conditions and in pathology. M. Rogovin. Zhur. nevr. i psikh. 65 no. 5:938-945 '65.

## BIOLOGY—ABSTRACTS

[Biology] Ref. zhur.: Biol. no. 12 Je '65.

## BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

## BIOLOGY—PERIODICITY

Data on the theory of automatic (periodic) functions of living systems. T. D. Burmistrova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:27-28 '64

## BIOLUMINESCENCE

Anomaly of lipid chemiluminescence. A. I. Zhuravlev. Trudy MOIP, Otd. biol. 21:133-134 '65

Biochemiluminescence of lipids. B. N. Tarusov, A. I. Zhuravlev. Trudy MOIP, Otd. biol. 21:125-132 '65

Bioluminescence. A. I. Zhuravlev, V. A. Veselovskii, N. N. Koshcheenko. Trudy MOIP, Otd. biol. 21:19-50 '65.

Bioluminescence as a hydrooptic and biological factor in a sea. I. I. Gimmel'zon and others. Trudy MOIP, Otd. biol. 21:147-155 '65

Characteristics of bioluminescence of plant tissues. S. V. Konev, M. A. Katibnikov. Trudy MOIP, Otd. biol. 21:59-74 '65

Concluding remarks. B. N. Tarusov. Trudy MOIP, Otd. biol. 21:206-210 '65.

Correlation between bioluminescence and chemiluminescence of biological substrates. I. I. Gittel'zon. Trudy MOIP, Otd. biol. 21:194-195 '65.

Effect of the radiation interaction of cells on intracellular glycolytic processes. E. T. Kulin. Trudy MOIP, Otd. biol. 21:196-197 '65.

Luminescence of Phyllophora. S. I. Golub. Trudy MOIP, Otd. biol. 21:155-160 '65

Mechanism of ultraweak luminescence in biological systems. I. A. Vladimirov, F. F. Litvin. Trudy MOIP, Otd. biol. 21:51-59 '65.

Nature and biological significance of ultraweak cell luminescence. S. V. Konev. Trudy MOIP, Otd. biol. 21:181-183 '65

Observations on insect fluorescence. I. A. Terskov, N. G. Kolomiets. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3:145-146 '64.

"Oxygen effect" of bioluminescence. T. S. M. Avakian, B. N. Tarusov, S. N. Adzhian. Trudy MOIP, Otd. biol. 21:100-63 '65

Problems of bioluminescence. A. I. Zhuravlev. Trudy MOIP, Otd. biol. 21:181-193 '65.

Recording ultraweak bioluminescence by nonecooled photomultiplier. A. M. Fish, N. M. Salanskii, R. I. Chumakov. Trudy MOIP, Otd. biol. 21:177-180 '65

Spontaneous and induced ultraweak luminescence of plant organisms. R. A. Gantsev, I. G. Mametov, B. N. Tarusov. Trudy MOIP, Otd. biol. 21:64-68 '65.

Ultraweak chemiluminescence caused by the reaction of the native aqueous-saline extract of the rat liver with the supernatant from a boiled homogenate. V. N. Benovolenskii, I. U. P. Druzhinin, S. I. Alekseeva. Trudy MOIP, Otd. biol. 21:99-101 '65.

Use of the chemiluminescent method for studying oxidation reactions, induced in the biosubstrate, as related to the degree of its damage. G. A. Popov. Trudy MOIP, Otd. biol. 21:90-98 '65.

## BIOLUMINESCENCE—CONGRESSES

Foreword. A. I. Zhuravlev. Trudy MOIP, Otd. biol. 21:5-6 '65.

Opening address. B. N. Tarusov. Trudy MOIP, Otd. biol. 21:7 '65

## BIOSYNTHESIS

Biosynthesis of free amino acids by microscopic fungi. L. A. Zakordonets'. Mikrobiol. zhur. 27 no. 3:6-11 '65.

Biosynthesis of free amino acids by various species of Fusarium Lk. V. I. Blial, L. A. Zakordonets'. Mikrobiol. zhur. 27 no. 3:3-6 '65.

New advances in studying biosynthesis of proteins and molecular mechanisms of morphogenesis. Zh. A. Medvedev. Usp. sov. biol. 50 no. 3:333-353. My-Je '65.

Role of lipid compounds in biosynthesis of chloroplast proteins. E. N. Bezinger, M. I. Molchanov, N. M. Slusarkian. Biokhimiya 29 no. 4:749-758. 31-Ag '64.

Synthesis of  $\alpha$ -phenyl-L-tryptophanamide and its cleavage in animal tissues. G. I. A. Vederzhain, C. L. Rozenfeld. Biokhimiya 29 no. 4:735-740. 31-Ag '64

## BIOTIC COMMUNITIES

(see also subdivision under Adriatic Sea)

Some problems in radiation biogeocenology. N. V. Timofeev-Resovskii. Probl. kib. no. 12:201-231 '64.

## BIRCH see subdivision under Frumze

## BIRDBANDING see subdivision under Lithuania

## BIRDS see subdivision under Anabar Valley; Iman Valley; Ryazan Province; Salair Range; Soviet Far East

## BIRDS—ANATOMY

Cartilage of the palatine bone of the skull in birds. D. N. Gofman. Sbor. trud. Zool. muz. MGU 9:232-247 '65.

## BIRDS—EMBRYOLOGY see Embryology—Birds

## BIRDS—MIGRATION

Effect of nesting characteristics of sandpipers on the time and nature of their fall migrations. V. D. Kokhanov. Zool. zhur. 44 no. 5:784-787 '65.

Valkevicius, A., and V. Skudis. [Bird migration; based on the data of birdbanding in Lithuania from 1928 till 1959] Perelet ptits; po dannym kol'tsevaniya v Litve s 1928 g. po 1959 g. Vil'nius, Mintis, 1965. 193 p.

## BIRDS—PARASITES see Parasites—Birds

## BIRDS, INJURIOUS AND BENEFICIAL

Frightening birds away. V. Gruzdev, Zashch. rast. ot vred. i bol. 10 no. 4:41-42 '65.

Naumov, N. P., and V. D. Richev. [Acoustic repellents and their use] Akusticheskie repellynty i ikh primeneniye. [Moskva] Izd-vo Mosk. univ., 1965. 46 p. [Nauchno-popularnaya literatura]

## BIRD'S FOOT TREFOIL

Productivity of grass mixtures containing Roegneria and bird's-foot trefoil. M. A. Soboleva. Trudy GSKH 8: 68-81 '68.

## BIRYUSA VALLEY—GEOLOGY

Facies changes of Upper Pre-Cambrian sediments in the northern wing of the Eastern Sayan anticlinorium. N. A. Berzin, M. A. Semikhatov. Geol. i geofiz. no. 1: 132-142 '65.

## BISMUTH FERRATES—ELECTRIC PROPERTIES

Dielectric properties and structure of some solid solutions on the basis of BiFeO<sub>3</sub>. N. N. Krainik and others. Izv. AN SSSR, Ser. fiz. 29 no. 6:1026-1031. Je '65.

## BISMUTH ISOTOPES—SPECTRA

Excitation spectra of Tl<sup>208</sup> and Bi<sup>208</sup> nuclei. B. L. Birbrair, V. N. Guman, Izd. fiz. 1 no. 8:971-975. Je '65.

## BISON

Comparative craniology of present representatives of the genus Bison. K. K. Pterov. Biol. MOIP, Otd. biol. 70 no. 1:40-54. Ja-F '65.

## BITING MIDGES

Variability of some morphological characters in biting midges Culicoides (Culicoides) Staeg., C. ulitensis (P.) Kieff. and C. vexans Staeg. K. T. Kozlova. Zool. zhur. 44 no. 4:620-622 '65

## BITKOV OIL FIELD—PETROLEUM GEOLOGY

Effect of pressure and geological age on the porosity of reservoir rocks. T. V. Slonina. Neft. i gaz, prom. no. 2:7-10. Ap-Je '65.

## BITKOV OIL FIELD—PETROLEUM PRODUCTION

Construction of wells for intrawell overflow. M. E. Koshun, R. V. Patinskii. Neft. i gaz, prom. no. 2: 40-42. Ap-Je '65

## BITS (DRILLING AND BORING)

Analysis of the work of bits worn-out in electric drilling. I. V. Sadykhov, M. I. Salamov, A. B. Fradkin. Izv. AN Azerb. SSR, Ser. geol.-geog. 1:71-78 '64.

Determining the quantity of drilling fluid depending on the r.p.m. of the roller bit and its structural features. S. F. Zavit'lov. Neft. khoz. 43 no. 3:15-17. M, '65

Nature of the wear of bit rigging during drilling. P. V. Grigor'ev and others. Neft. khoz. 43 no. 3:12-15. M, '65.

New boring bit. E. Karpukhin, I. U. Mutov, M. Zait'lov. Sov. shakht. 14 no. 3:13. M, '65

Preventing the body wear of three-roller bits. N. A. Grigor'ian and others. Za tekh. prog. 5 no. 9:14. M, '65.

Some results of tests of OM375A-8T bit on industrial 1 from steel of electroslag remelting. M. A. Zhitovskiy, R. N. Seif, K. M. Gilman. Neft. i gaz, prom. no. 2: 10-21. Ap-Je '65.

Well drilling with a diamond bit. Burenia no. 10:17-19 '64.

## BITS (DRILLING AND BORING)—WELDING

Friction welding of boring bit blanks. A. I. Khilatskiy. Svar. proizv. 5:32-33. My '65.

## BITUMEN

Methodology of determining bituminous substances in suspension. I. U. A. Bogdanov, L. I. Ovchinnikova. Okeanologia 5 no. 2:366-371 '65.

## BITUMEN—GEOLOGY

(see also subdivision under Saratov Province; Yakutia)

Use of luminescent microscopy for determination of epigenetic and syngenetic bituminosity of rocks. I. A. Olli. Geol. i geofiz. no. 12:110-123 '64.

## BITUMINOUS MATERIALS

Bitumen monomers are practical. H. Fogel'. Sh. bud. 15 no. 2:14-15. F '65.

Kamenetskii, L. B. [Handbook for a bitumen-boiler operator] Pamiatka mashinistu bitumnogo kotla. Moskva, Transport, 1965. 36 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

## BITUMINOUS ROOFING see Roofing, Bituminous

## BIURET REACTION

Results of testing biuret as a herbicide in Donetsk Province. N. I. Litvinov. Khim. v sel. khoz. 3 no. 4:17. 13. Ap '65.

## BLACK DISEASE OF SHEEP see Braxy

## BLACK SEA—ALGAE

Vitamin B<sub>12</sub> content in water of the Bay of Sevastopol and its possible ecologic significance. A. T. Bepriyev, Z. A. Muravskaya. Trudy SBS 17:342-345 '64.

## BLACK SEA—ANCHOVIES

Feeding rate of the Black Sea anchovy depending on the state of the food basis of the body of water. N. F. Tarasenko. Trudy Azherniro no. 23:131-148 '64

Food of the larvae of the Black Sea anchovy. R. M. Pavlovskaya. Trudy Archauro no. 23:115-118 '64.

Intensity of feeding habits and weight increase in larvae of the Black Sea anchovy Engraulis engraulicholus pallas Alex during spawning season. L. A. Duka. Trudy SBS 17:276-282 '64.

## BLACK SEA—AZOTOBACTER

Azotobacter microcellum, one of the mass species of the genus Azotobacter, living in the water of the Black Sea. L. N. Pashenin. Trudy SBS 17:204-211 '64.

## BLACK SEA—COPEPODA

Dynamics of populations and annual production of Acartia clausi Giesbr. and Centropages krkyeri Giesbr. in the neritic zone of the Black Sea. V. N. Greze, E. P. Baldina. Trudy SBS 17:248-261 '64.

#### BLACK SEA—FISHES

Effect of the temperature and salinity regime on the structure and development of some fishes of the Black Sea. K. S. Tkacheva. Trudy Azherniro no. 23 119-130 '64.

#### BLACK SEA—FISHES—FOOD

Development and food of the sauroi (*Trachurus Mediterraneus Ponticus Aleev*). N. I. Revina. Trudy Azherniro no. 23 105-114 '64.

Feeding rate of the Black Sea anchovy depending on the state of the food basis of the body of water. N. F. Tarantenko. Trudy Azherniro no. 23 131-118 '64.

Food of the larvae of the Black Sea anchovy. R. M. Pavlovskaya. Trudy Azherniro no. 23 115-118 '64.

#### BLACK SEA—INVERTEBRATES

General loss of salts by some Black Sea invertebrates in distilled water. O. G. Kalandeeva. Trudy SBS 17 368-378 '64.

#### BLACK SEA—LARVAE—FISHES

Food of the larvae of the Black Sea anchovy. R. M. Pavlovskaya. Trudy Azherniro no. 23 115-118 '64.

#### BLACK SEA—MARINE FAUNA

Successive stages in the mediterraneanization of the Black Sea fauna; new data. I. I. Puzanov. Gidrobiol. zhur. 1 no. 2:54 '65.

#### BLACK SEA—MEDUSAE

Respiration intensity in some Black Sea Medusae. K. K. Akovleva. Trudy SBS 17 361-367 '64.

#### BLACK SEA—OCEAN CURRENTS

Characteristics of the dynamics of the waters of the southeastern part of the Black Sea and distribution of oceanographic elements. V. A. Bibik. Trudy Azherniro no. 23 23-31 '64.

Vertical structure of a water column and general features of the circulation of the Black Sea waters. V. P. Novitskii. Trudy Azherniro no. 23 3-22 '64.

#### BLACK SEA—OCEAN TEMPERATURE

Effect of the temperature and salinity regime on the structure and development of some fishes of the Black Sea. K. S. Tkacheva. Trudy Azherniro no. 23 119-130 '64.

#### BLACK SEA—OCEAN WAVES

Methodology of studying internal waves in the Black Sea. I. A. Gololobov. Trudy Azherniro no. 23 49-52 '64.

#### BLACK SEA—PARASITES—MOLLUSKS

*Cercaria gibbulae* nov. sp., a parasite of the mollusk *Gibbula albidula* Gmelin of the Black Sea. A. V. Dolgikh. Trudy SBS 17 361-363 '64.

#### BLACK SEA—PHYTOPLANKTON

Effect of waters of continental runoff on the development of phytoplankton in the northwestern part of the Black Sea. G. P. Mashukova. Trudy Azherniro no. 23 55-67 '64.

Evaluation of the state of the chemical basis of biological productivity of the Black Sea and some characteristics of its formation. I. A. Gololobov. Trudy Azherniro no. 23 33-48 '64.

#### BLACK SEA—PLANKTON

Some data on the chlorophyll content in plankton and the primary production of the Black Sea. G. G. Vinberg, E. P. Muravieva, Z. Z. Pinenko. Trudy SBS 17 212-220 '64.

#### BLACK SEA—SALINITY

Effect of the temperature and salinity regime on the structure and development of some fishes of the Black Sea. K. S. Tkacheva. Trudy Azherniro no. 23 119-130 '64.

#### BLACK SEA—SAUROL

Development and food of the sauroi (*Trachurus Mediterraneus Ponticus Aleev*). N. I. Revina. Trudy Azherniro no. 23 105-114 '64.

#### BLACK SEA—SHRIMPS

Life cycle of the shrimp *Gammarillus carinatus* (Rathke) in the Black Sea. I. I. Greze. Trudy SBS 17 293-303 '64.

#### BLACK SEA—SPRATS

Age-related composition of the commercial Black Sea sprat population and the causes of its variation in abundance. L. I. Starushenko. Ryb. khoz. 41 no. 5: 18-21 '65.

#### BLACK SEA—SUBMARINE GEOLOGY

Work of the geological team during the 14th voyage of the research ship "Mikhail Lomonosov." V. I. A. Didkova'kyl and others. Geol. zhur. 25 no. 2 97-100 '65.

#### BLACK SEA—TREMATODA

*Cercaria gibbulae* nov. sp., a parasite of the mollusk *Gibbula albidula* Gmelin of the Black Sea. A. V. Dolgikh. Trudy SBS 17 361-363 '64.

#### BLACK SEA—WATER—COMPOSITION

Evaluation of the state of the chemical basis of biological productivity of the Black Sea and some characteristics of its formation. I. A. Gololobov. Trudy Azherniro no. 23 33-48 '64.

#### BLACK SEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS

Attacks are thundering on the Black Sea. Sov. voen. 47 no. 7 30-31 Ap '65.

They have fulfilled their duty. I. I. Azarov. Mor. sbor. 48 no. 4:34-37 Apr '65.

#### BLACK SEA—ZOOPLANKTON

Dynamics of zooplankton of the southeastern part of the Black Sea. A. I. Fedorina. Trudy Azherniro no. 23 95-104 '64.

Seasonal changes in the zooplankton of the northwestern part of the Black Sea in 1957. L. I. Sazhina. Trudy SBS 17 262-275 '64.

Seasonal development and distribution of zooplankton in the northwestern part of the Black Sea. S. A. Goremasova. Trudy Azherniro no. 23 59-80 '64.

Seasonal dynamics of zooplankton of the northeastern part of the Black Sea. V. D. Braiko. Trudy Azherniro no. 23 81-91 '64.

#### BLACK SEA DEPRESSION—GEOLOGY, STRATIGRAPHIC

Oligocene and Miocene boundary layers in the Black Sea Depression. M. P. Nosov'skiy, H. V. Pasichnyi. Geol. zhur. 25 no. 2 36-44 '65.

#### BLACK SEA ECONOMIC REGION—GAS, NATURAL—STORAGE

Possibility of the underground storage of gas in the Dnieper and Black Sea economic regions. N. P. Petrichenko, E. Ki, Nepiridze. Gaz. prom. 10 no. 5:41-43 '65.

#### BLACK SEA REGION—GEOLOGY

Erosive-tectonic scarp in the northern part of the Black Sea region. I. U. Il'iermakov. Geol. zhur. 25 no. 2 103-104 '65.

#### BLACK SEA REGION—GEOLOGY, STRUCTURAL

Some data on the geology of the northwestern part of the Black Sea. I. A. Garkalenko, L. B. Bogaevskii, B. D. Bezverkhov. Geofiz. sbor. no. 8:44-48 '64.

Subsurface coastal structure of the Crimea and the Black-Azov Sea basin according to geophysical studies. T. S. Lebedev, K. A. Bolubakh. Geofiz. sbor. no. 8: 18-26 '64.

#### BLACK SEA REGION—IRON ORES

Shulikov, E. F. [Genesis of Cimmerian Iron ores in the Azov-Black Sea ore province] Genesis kimmeriskikh zheleznykh rud Azovo-Chernomorskoi rudnoi provintsi. Kiev, Naukova dumka, 1965. 194 p.

#### BLACK SEA REGION—RED SOILS

Micromorphological indices of the processes forming red soils and red-colored weathering surface on the Black Sea coast in the Caucasus. A. I. Romashkevich. Pochvovedenie no. 4:87-96 Ap '65.

#### BLACK SEA REGION—STRONTIUM

Strontium in the Kimmeridge iron-ore deposits of the Azov and Black Sea Basin. N. A. Kornilov, G. A. Kal'ian. Geokhimiia no. 2:241-245 F '65.

#### BLACK SEA REGION—WEATHERING

Micromorphological indices of the processes forming red soils and red-colored weathering surface on the Black Sea coast in the Caucasus. A. I. Romashkevich. Pochvovedenie no. 4:87-96 Ap '65.

#### BLACKBOARD DRAWING

How to rule a blackboard. V. I. A. Gavrik, M. S. Gavrik. Nach. shkola 33 no. 8:82 Je '65.

#### BLACKFLIES

Simuliotoxicosis of cattle. N. I. Luk'janov, N. M. Ivanenko. Veterinarlia 42 no. 6:89-91 Je '65.

#### BLADDER—BLOOD SUPPLY

Venous outflow from some organs of the small pelvis in collateral circulation. M. T. Burachinskii, N. A. Krastkova. Arkh. anat. i embri. 47 no. 10:68-72 O '64.

#### BLADDER—CANCER

Combined use of chemotherapy and gamma therapy with a large focus-skin distance in cancer of the urinary bladder. A. F. Quasev. Med. rad. 10 no. 5:18-22 My '65.

#### BLADDER—DISEASES

Late changes in the urinary bladder following radiation therapy for cancer of the cervix uteri. V. D. Lazurkina, S. I. Sarnetskaya, N. V. Grigor'eva. Vest. rent. i rad. 40 no. 2:47-52 Mr-Apr '65.

#### BLADDER—INFLAMMATION

Cases of excretion of dysentery bacteria in chronic angiocholecystitis. M. A. Mal'kumova, Zhur. mikrobiol., epid. i immun. 12 no. 2:65-68 F '65.

#### BLADDER—INNERVATION

Qualitative characteristics of the degeneration of main and accessory pathways of the afferent innervation of the urinary bladder. F. B. Kheirman. Arkh. anat. i embri. 46 no. 3:98-103 Mr '65.

#### BLADDER—TUMORS

Precipitation pneumocystography in the X-ray diagnosis of tumors of the urinary bladder. V. M. Derel'man. Vest. rent. i rad. 40 no. 1:41-46 Ja-F '65.

#### BLADDER CAMPION

Title opene glycoside selenoside from the roots of bladder campion. E. T. Teglabayev, T. K. Chumbalov, M. K. Abubakirov. Rast. res. 1 no. 1:102-106 '65.

#### BLAST FURNACES

(see also subdivision under Magnitogorsk)

Characteristics of the performance of a blast furnace with the use of mazut. A. A. Miroshnichenko, I. U. A. Lekontsev, G. G. Fashkev. Metallurg 10 no. 5:8-10 My '65.

Control of dust in areas beneath the hopper. R. A. Kucher'skii, M. V. Gishchenko, K. D. Malevannyi. Metallurg 10 no. 6:12-13 Je '65.

Device for measuring the quantity of fly ash carried out of blast furnaces. N. P. Maksimenko. Metallurg 10 no. 6:10-11 Je '65.

Friendship strengthened in war and in work. Metallurg 10 no. 5:2-4 My '65.

Heat exchange and reduction in the stack of a furnace operating on 100% fluxed enter, B. L. Lazarev and others. Stal' 25 no. 6:497-492 Je '65.

#### BLAST FURNACES—COMBUSTION

Experimental operation of blast furnaces on mazut and natural gas. A. A. Agashin and others. Stal' 25 no. 5:393-400 My '65.

Using liquid fuel in blast furnaces of the Nizhny Tagil metallurgical combine. I. U. S. Borisov and others. Stal' 25 no. 6:497-503 Je '65.

#### BLAST FURNACES—DESIGN AND CONSTRUCTION

Operation of a blast furnace with automatic control of the blast distribution through the tuyeres. G. I. Chernov and others. Metallurg 10 no. 6:8-10 Je '65.

Use of large diameter blast furnaces at the Il'ich plant. V. I. Litvinenko and others. Metallurg 10 no. 5:1-6 My '65.

#### BLAST FURNACES—ELECTRIC EQUIPMENT

Special machine for regulating the charging of a blast furnace. E. G. Baranova, B. P. Brudnyi, Z. B. Vartanov. Elektrotehnika 36 no. 3:22-25 Mr '65.

#### BLAST FURNACES—EQUIPMENT AND SUPPLIES

Using natural and coke gas in blast furnace production. G. D. Gold'erman. Metallurg 10 no. 6:13-14 Je '65.

#### BLAST FURNACES—MAINTENANCE AND REPAIR

Carbon mix for lining cast iron and slag runners. V. V. Krut'kov, A. L. Bellaev. Metallurg 10 no. 5:11-13 My '65.

#### BLASTING

Davydov, S. A., and V. K. Rubtsov. [Multiple-row blasting]. Mirogorladnaya vzryvka. Moskva, Nedra, 1965. 94 p.

Economical and expedient. N. Konorev. Nar. khoz. Kazakh. 23 no. 3:56-57 Mr '65.

Effect of the length of the stemming of the borehole charge on the results of the breaking of the rock by blasting. N. I. Zub. Transp. stroi. 15 no. 4:23-27 Ap '65.

Effectiveness of the detonation. G. Panov. Sov. shakht. 14 no. 3:12-13 Mr '65.

Excavating by large-scale blasting. E. P. Alekseev. Transp. stroi. 15 no. 4:4-6 Ap '65.

Twenty years of research by the boring and blasting section of the Scientific Technological Society for mining. B. D. Ross. Shakht. stroi. 8 no. 5:31 My '65.

#### BLASTING—EQUIPMENT AND SUPPLIES

Sensitivity of the DSH-A detonation fuse to mechanical impulses. F. S. Bakhtin, I. U. M. Mianik, A. A. Ilkushin. Bezop. truda v prom. 9 no. 3:38-39 Mr '65.

#### BLASTING—SAFETY MEASURES

Decreasing the scattering of fragments during secondary blasting in strip mines. F. I. Kucherlavskiy, N. M. Zelenakii, R. S. Krysin. Bezop. truda v prom. 9 no. 3: 42-44 Mr '65.

Pay more attention to blasting operations in mines. Bezop. truda v prom. 9 no. 3:1-2 Mr '65.

#### BLASTING, UNDERWATER

Practices in the removal of underwater rocks. M. Golovushkin, L. Troshchenko, L. Zagorodskii. Rech. transp. 23 no. 12:35-37 D '64.

**BLUKHER, VSEVOLOD VASILEVICH, 1922-**

A Marshall's son. I. Timoteeva. Sov. zhukh. 14 no. 5: 11-13 My '65.

**BLOOD—AGGLUTINATION**

Use of the indirect hemagglutination reaction and hemolysis in the diagnosis of listeriosis. A. F. Bakkin. Zhur. mikrobiol., epid. i immun. 42 no. 1: 138-143 Ja '65.

**BLOOD—ANALYSIS AND CHEMISTRY**

ACTH content in the blood of patients with Itsenko-Cushing syndrome. I. A. Eskin, V. M. Konopatskaya, N. V. Mikhailova. Probl. endok. i gorm. 10 no. 4: 3-8 Ji-Ag '64.

Accelerated indicator method for determining vitamin B<sub>12</sub>. V. M. Novikov and others. Veterinarlia 42 no. 5: 106-108 My '65.

Blood picture in adenovirus diseases. L. E. Klebanova. Sbor. nauch. trud. Inst. infek. bol. no. 4: 219-222 '64.

C-reactive protein in the cerebrospinal fluid and blood serum in infectious psychoses. S. I. Kogan, A. G. Shvedskaya. Zhur. nevr. i psikh. 65 no. 6: 883-887 '65.

Changes in the properdin level in the blood of normal and irradiated animals under the effect of a mucopolysaccharide preparation made from cattle spleen. N. M. Ivanova, A. S. Shitikova. Biol. eksp. biol. i med. 59 no. 6: 42-46 Je '65.

Determining the quantity of iron in the blood of animals. A. V. Gerasimchuk, N. E. Potchenko. Veterinarlia 42 no. 6: 95-97 Je '65.

Development of alimentary hypercholesterolemia in normal and castrated animals of various ages. S. V. Maksimov, I. N. Sharkevich. Probl. endok. i gorm. 10 no. 4: 94-100 Ji-Ag '64.

Dynamics of the disappearance of bacterial lipopolysaccharide from the blood and formation of endogenous serum pyrogen in normal and thyroidectomized rabbits. O. Sh. Dzheksenbaev. Biol. eksp. biol. i med. 59 no. 8: 40-42 Je '65.

Effect of large doses of insulin on the content of sodium, potassium, magnesium and total and ionized calcium in the blood serum. A. S. Fokin. Zhur. nevr. i psikh. 64 no. 11: 1717-1721 '64.

Effect of physical exercises on the cholesterol and lecithin content in the blood of the aged. N. K. Popova. Teor. i prakt. fiz. kul't. 28 no. 6: 12-15 Je '65.

Effect produced by qualitatively differing fats in the diet on some biochemical indices of the blood serum in laboratory animals. M. N. Smolov. Vop. pit. 23 no. 6: 62-67 N-D '64.

Problem of viremia in mice following aerosol infection with influenza virus. N. V. Novikova. Sbor. nauch. trud. Inst. infek. bol. no. 4: 75-78 '64.

Results of the determination of protein-bound iodine in the blood of man and of various types of animals. T. F. Komarova, D. S. Tendler, E. V. Sokolova. Probl. endok. i gorm. 10 no. 4: 72-76 Ji-Ag '64.

**BLOOD—CIRCULATION**

Changes in the coronary blood flow during the action of food conditioned stimuli. V. B. Zakharzhevskii. Zhur. vys. nerv. deiat. 15 no. 3: 453-457 My-Je '65.

Concerning F. F. Kaperko's article "Determination of heart volume and other indications of central cardiac hemodynamics by means of radioactive krypton Kr-85." D. S. Sivashinski, F. F. Vysokii. Med. i rad. 10 no. 6: 62-68 Je '65.

Issues and prospects in the development of anatomofunctional studies on collateral blood circulation. I. D. Lev. Arkh. anat., gist. i embr. 47 no. 10: 3-12 O '64.

Notes concerning F. F. Kaperko's article. G. A. Malov. Med. rad. 10 no. 6: 68-71 Je '65.

Regulation of the coronary blood circulation. N. G. Serdiuk, V. S. Sergievskii, L. A. Tsoi. Fiziol. zhur. 51 no. 4: 495-500 Ap '65.

Reply to D. S. Sivashinski and F. F. Vysokii. F. F. Kaperko. Med. rad. 10 no. 6: 71-76 Je '65.

Rheoencephalographic data in vascular and senile psychoses, preliminary report. A. D. Dolitskaya. Zhur. nevr. i psikh. 64 no. 11: 1697-1700 '64.

Work of the Second Topical Conference on Collateral Blood Circulation in Ivano-Frankovsk on May 27-30, 1964. N. V. Dolitskaya, L. E. Etingen. Arkh. anat., gist. i embr. 47 no. 10: 108-114 O '64.

**BLOOD—CIRCULATION, ARTIFICIAL**

Control of adequate heparin neutralization by protamine sulfate in artificial blood circulation. M. S. Margulis, U. Bertins. Vest. khir. 93 no. 11: 16-22 N '64.

Effect of artificial blood circulation on the life span of Cr<sup>51</sup> labeled erythrocytes, on the problem of the mechanism of the development of post perfusion anemia. K. M. Shul'man, M. G. Shitikova. Med. rad. 10 no. 3: 16-20 Mr '65.

Migration plastic surgery on intestines with artificial collateral blood circulation. M. N. Zil'berman. Arkh. anat., gist. i embr. 48 no. 3: 104-110 Mr '65.

Prevention of acute renal insufficiency in connection with hemolysis in surgery with artificial blood circulation. N. T. Terekhov and others. Vest. khir. 93 no. 11: 8-16 N '64.

**BLOOD—CIRCULATION, DISORDERS OF**

Akademiia meditsinskikh nauk SSSR, Moscow. Institut normalnoi i patologicheskoi fiziologii. [Physiology and pathology of blood circulation, materials of the conference held Dec. 19-21, 1962.] Fiziologiya i patologiya krovoobrashcheniia, materialy konferentsii (19-21 dekabria 1962 g.) Pod red. V. V. Parina. Moskva, 1962. 161 p.

**[DNLM PHOTOCOPY]**

Characteristics of reflex disorders of regional blood circulation during the development of neurodystrophic processes. S. V. Magaeva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7: 64-65 '64.

Effect of the intensity of light stimulation on the phenomenon of rhythm assimilation in patients with transient disorders of blood circulation in the brainstem. L. G. Makarova. Zhur. nevr. i psikh. 65 no. 6: 863-867 '65.

Effect of tourniquet shock on the level of conjugated phosphorylation in brain mitochondria. L. F. Panchenko. Ukr. biokhim. zhur. 37 no. 2: 283-289 '65.

Oxygen supply of the brain in circulatory hypoxia. E. A. Kovalenko, V. B. Kozin. Fiziol. zhur. 51 no. 5: 547-553 My '65.

Psychopathological manifestations in the initial stage of an insult in its atypical forms. I. U. T. Rakhal'skii. Zhur. nevr. i psikh. 65 no. 6: 900-905 '65.

Structural adaptation of the cardiac arterial bed and dynamics of some of its functional shifts following disturbed blood circulation. M. G. Shevchuk. Arkh. anat., gist. i embr. 47 no. 10: 43-48 O '64.

**BLOOD—COAGULATION**

Concerning F. F. Kaperko's reply to D. S. Sivashinski and F. F. Vysokii's article. V. K. Modestov. Med. rad. 10 no. 6: 76-78 Je '65.

**BLOOD—DISEASES**

Disorders of afferent signalization in experimental conditioned hypercholesterolemia. O. I. A. Ostyrii, S. V. Magaeva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7: 68-69 '64.

**BLOOD—OXYGEN CONTENT**

Oxygen tension and conditions of the blood supply in transplanted tumors. M. V. Vagralik. Vop. onk. 11 no. 3: 73-77 '65.

Saturation of arterial and venous blood with oxygen in closed acute craniocerebral traumas. N. D. Leibzon, V. A. Korytev. Trudy Inst. im. N. V. Sklif. 8: 104-109 '63.

Use of blood enriched with oxygen. N. D. Bekh. Probl. gemat. i perel. krov. 10 no. 4: 46-47 Ap '65.

**BLOOD—SEDIMENTATION**

Studying the sedimentation rate of erythrocytes in animals. N. S. Polikarpov, T. A. Dmitrieva. Veterinarlia 42 no. 6: 98-99 Je '65.

**BLOOD—SPECTRA**

Use of microspectrography in experimental determination of minimal quantities of blood. M. A. Vasil'ev. Sud.-med. ekspert. 3 no. 2: 24-28 Ap-Je '60.

**BLOOD—TRANSFUSION**

Changes in the blood serum protein content of a recipient following transfusion of protein blood substitute (BK-8). I. M. Aleksieieva. Ukr. biokhim. zhur. 37 no. 2: 226-230 '65.

Exchange blood transfusion in patients with serious poisoning by hypnotics and the diagnostic importance of Flanden's test. V. V. Raevskaya. Trudy Inst. im. N. V. Sklif. 5 no. 2: 191-196 '62.

Transfusions of concentrated blood protein products in nephrosis and nephritis with a nephrotic component. M. M. Minolovich. Trudy Inst. im. N. V. Sklif. 5 no. 2: 148-160 '62.

Use of blood enriched with oxygen. N. D. Bekh. Probl. gemat. i perel. krov. 10 no. 4: 46-47 Ap '65.

**BLOOD, GASES IN**

Gases in the blood in pathology of central respiratory regulation in patients with serious craniocerebral traumas. V. V. Lebedev, I. U. V. Isakov. Trudy Inst. im. N. V. Sklif. 8: 99-103 '63.

**BLOOD AS FOOD OR MEDICINE**

Citrated mare's blood in the control of sterility. A. I. Volkov, M. P. Protasenia. Veterinarlia 41 no. 8: 93 Je '64.

**BLOOD—BRAIN BARRIER** see Hematoencephalic barrier**BLOOD PLASMA SUBSTITUTES**

Blood substitutes as effective therapeutic means. S. I. Kosover. Veterinarlia 41 no. 4: 70-71 Ap '65.

**BLOOD PLATELETS**

Treatment of hemorrhagic thrombocythemia with radioactive phosphorus. A. L. Kozyreva, R. L. Martishevskaya. Trudy TSU 71: 234-238 '64.

**BLOOD PRESSURE**

Changes in arterial pressure in patients during the acute period of craniocerebral traumas. E. A. Bova. Trudy Inst. im. N. V. Sklif. 8: 90-93 '63.

Changes in the arterial pressure and cardiac rhythm in dogs following introduction of adrenaline. R. I. Joga, M. Kuli, I. Joga. Fiziol. zhur. 51 no. 5: 564-571 My '65.

Changes in the content of pressor amines in the blood and arterial pressure under the influence of respiration. N. A. Smazhova. Pat. fiziol. i eksp. terap. 8 no. 6: 54 52 N-D '64.

Dependence of the intraocular pressure on the general blood pressure. S. I. A. Sazonov. Fiziol. zhur. 51 no. 5: 565-592 My '65.

Dynamics of blood pressure in cerebral and peripheral vessels in hypertonic and atherosclerotic psychoses during treatment with aminazine. F. G. Zubarev. Zhur. nevr. i psikh. 65 no. 6: 884-889 '65.

Reflexes on arterial pressure produced by the stimulation of the receptors and afferent intestinal fibers with synthetic bradykinin. R. S. Sonina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7: 94-95 '64.

Role of chemo- and mechanoreceptors of the carotid sinus in the regulation of respiration and arterial pressure. L. I. Ardashnikova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7: 10-11 '64.

Role of the adrenergic mechanisms in the origin of prolonged changes in the electrocardiogram and blood pressure following stimulation of the hypothalamus. S. I. Teplov. Fiziol. zhur. 51 no. 5: 551-563 My '65.

Venous potential difference as an indicator of the state of the portal blood flow in the liver during shock. S. A. Soloznev. Pat. fiziol. i eksp. terap. 8 no. 6: 23-27 N-D '64.

**BLOOD PRESSURE, HIGH** see Hypertension**BLOOD PROTEINS**

Blood protein electrophoresis in diabetes mellitus. E. M. Egorova. Probl. endok. i gorm. 10 no. 4: 41-44 Ji-Ag '64.

Blood protein fractions in thyrotoxicosis, myeloma, erythremia and their treatment with isotopes. A. L. Kozyreva. Trudy TSU 71: 119-125 '64.

Changes in the blood serum protein content of a recipient following transfusion of protein blood substitute (BK-8). I. M. Aleksieieva. Ukr. biokhim. zhur. 37 no. 2: 226-230 '65.

Changes in the proteins and protein fractions of the blood serum in healthy lambs. N. A. Koterko. Veterinarlia 42 no. 5: 80-82 My '65.

Cytochemistry of protein substances in leucocytes. M. G. Shubien. Arkh. anat., gist. i embr. 48 no. 4: 53-57 Ap '65.

Effect of thio-TEPA on the protein composition of the blood in sarcoma M-1. T. I. Beselkova, I. N. Surodskina. Vop. onk. 10 no. 12: 45-48 '61.

Effect of vitamin B<sub>6</sub> on the protein and lipoprotein fractions of the blood serum in rats and rabbits. L. V. Batalova. Vop. pit. 23 no. 6: 73-76 N-D '64.

Electrophoretic studies on protein fractions of the blood serum in postinfluenza pneumonias. V. M. Plotnev. Sbor. nauch. trud. Inst. infek. bol. no. 4: 180-184 '64.

Interaction of steroid hormones and plasma proteins. V. B. Rozen. Probl. endok. i gorm. 10 no. 5: 107-115 S-O '64.

Isolation and study of the fractional nature of specific proteins of blood serums in carcinomatous rabbits and cancer patients. H. P. Fedorova, V. P. Korotkovichko. Ukr. biokhim. zhur. 36 no. 3: 634-644 '64.

Protein fractions of the blood serum in complicated and uncomplicated influenza. V. I. Demin, V. M. Plotnev. Sbor. nauch. trud. Inst. infek. bol. no. 4: 173-176 '64.

Protein fractions of the blood serum in young pigs after vaccination against paratyphoid fever. L. M. Koneev. Veterinarlia 41 no. 4: 21-23 Ap '65.

Proteinogram of the blood serum following chronic X-ray irradiation. K. V. Fomichenko, N. A. Dileko. Dokl. AN BSSR 9 no. 3: 199-201 Mr '65.

Restoration of the protein composition of the blood in splenectomized dogs at the earliest possible time following an acute nonfatal hemorrhage. N. A. Gorbunova. Pat. fiziol. i eksp. terap. 8 no. 6: 62-65 N-D '64.

Results of the determination of protein-bound iodine in the blood of man and of various types of animals. T. F. Komarova, D. S. Tendler, E. V. Sokolova. Probl. endok. i gorm. 10 no. 4: 72-76 Ji-Ag '64.

State of blood serum proteins in patients with malignant neoplasms before and after radiotherapy. O. N. Nikonova, A. V. Popov. Med. i rad. 10 no. 2: 13-18 F '65.

Study of immunogenesis and proteinemia in animals following the administration of ascarid extracts. I. S. Babo and others. Med. paraz. i paraz. bol. 33 no. 6: 689-693 N-D '64.

Study of the N-terminal amino acid sequence in serum albumins of various animals. N. N. Orlovskaya, V. A. Bel'sker. Biokhimiia 29 no. 4: 741-748 Ji-Ag '64.

**BLOOD VESSELS**

Study of vascular unconditioned reflexes to thermal stimulations of limited areas of the skin. V. V. Orlov. Fiziol. zhur. 51 no. 4: 478-486 Ap '65.

## BLOOD VESSELS--PERMEABILITY

Effect of ACTH, cortisone and somatotrophic hormone on vascular permeability and leucocyte migration under the effect of adenine nucleotides. R. U. Lipshits, Probl. endok. i gorm. 10 no. 5:78-82 S-O '61.  
Study of the permeability of the histohematic barriers in the progeny of animals which have recovered from acute radiation disease. V. A. Tatarskii. Trudy TSU 71 226-233 '61.

## BLOOD VOLUME

Measuring the mass of circulating erythrocytes and the volume of blood with the aid of radioactive chromium in differential diagnosis in erythremia and secondary erythrocytosis. N. N. Chernysheva. Trudy TSU 71 140-145 '61.  
Measuring the volume of circulating blood in strangulated intestinal obstruction in an experiment. I. M. Dedecet. Trudy TSU 71 146-155 '61.

**BLOWFLIES** see subdivision under Soviet Central Asia

**BOARDING SCHOOLS** see subdivision under Ukraine

## BOAT BUILDING

Kilvosenov, L. M. [Calculations and design in amateur boatbuilding] Raschety i chertezhi v ljubitel'skom sudostroenii. Moskva, DOSAAF, 1964, 166 p.

## BOBRUYSK DISTRICT--WORLD WAR, 1939-1945--UNDERGROUND MOVEMENTS

Prilbyl, Kirilofor. [Special assignment; notes of a reconnaissance scout] Osoboe zadanie; zapiski razvedchika. Minsk, Belarus', 1965, 173 p.

## BODY COMPOSITION

Energy metabolism and tissue composition in thyroid diseases. E. A. Urmim. Probl. endok. i gorm. 10 no. 1:45-46 Ji-Ag '64.

## BODY FLUIDS

Extrarenal effect of antidiuretic hormone. N. N. Pronina, I. Kh. Gabanova, G. B. Mkhitarova. Probl. endok. i gorm. 10 no. 5:86-89 S-O '64.

## BODY TEMPERATURE

Body temperature in some synanthropic flies in the Eastern Pamirs. V. I. Sychevskaya, V. S. Shaldurov. Zool. zhur. 44 no. 5:778-783 '65.  
Effect of mixed and biologically protein food on the condition of heat regulation. R. Akhmedov, Z. T. Tursunov. Fiziol. zhur. 9 no. 1:27-31 '65.

## BODY TEMPERATURE--REGULATION

Methodology of cooling and warming the hypothalamic region in chronic experiments on dogs. A. P. Kosenko. Fiziol. zhur. 51 no. 4:520-522 Ap '65.  
Role various skeletal muscles in chemical thermoregulation. N. P. Ivanov, D. A. Rashevskaya, N. A. Slepchuk. Fiziol. zhur. 51 no. 5:593-600 My '65.

## BOILER INSPECTION

Inspecting the metal of steam boilers. Sh. TS. Gollanskii. Bezop. truda v prom. 9 no. 3:28-30 Mr '65.

## BOILER-MAKING INDUSTRY--QUALITY CONTROL

Raise the requirements in manufacturing small capacity steam boilers. S. I. Dudko. Bezop. truda v prom. 9 no. 3:21-23 Mr '65.

## BOILER PLATES--TESTING

Inspecting the metal of steam boilers. Sh. TS. Gollanskii. Bezop. truda v prom. 9 no. 3:28-30 Mr '65.

## BOILERS

(see also subdivision under United States)  
American power unit with 1000 Mw. rating for the Ravenwood power plant. I. V. Shapiro. Energomashinstroenie 11 no. 4:46-47 Ap '65.  
Automation of low-pressure boiler units operating on natural gas. S. M. Levin-L'vinskii. Prom. energ. 20 no. 3:17-21 Mr '65.  
Continuously operating gas analyzers for detecting chemically incomplete combustion. A. Sh. Bronshteyn. Elek. sta. 36 no. 4:32-36 Ap '65.  
Effect of salt content of boiler water on the hydraulic resistance of boiler stages. G. P. Sutotskii, I. A. M. Shelekov. Elek. sta. 36 no. 4:24-26 Ap '65.  
Effect of the coefficient of excess air on the radiation of a luminous torch. A. G. Blokh, P. A. Erofeev. Teploenergetika 12 no. 3:38-41 Mr '65.  
Effectiveness of spanning the embasures of the lower slotted gas burners of boilers. M. I. Putilov. Prom. energ. 20 no. 3:23-27 Mr '65.  
Hydraulic characteristics of the heating surfaces of once-through type boilers with supercritical steam parameters. A. L. Shvarts, V. V. Kuz'min. Elek. sta. 36 no. 4:14-20 Ap '65.

Interaction of the jets of primary and secondary flows and its effect on the position of the torch. E. Shch. E. Balog. Teploenergetika 12 no. 3:86-89 Mr '65.  
New wage rates for operators of heating boilers. Zhil. i kom. khoz. 15 no. 1:33-34 Ap '65.

Principal characteristics of petroleum fuel for industrial boiler systems. Prom. energ. 20 no. 3:46-48 Mr '65.  
Remodeling of DKV-6, 5/18-150 system steam boilers. K. N. Savchuk. Sakh. prom. 39 no. 5:33-40 My '65.

Removal of oil from the exhaust steam of pumps. D. G. Umrkhin. Energetik 13 no. 4:10 Ap '65.  
Scale formation of superheater pipes of boilers with increased and supercritical steam parameters. T. G. Bezozhna. Elek. sta. 36 no. 1:20-23 Ap '65.  
TPP-200 boiler for a 300 Mw. block. L. A. Ostrovskii, M. V. Mozdina. Elek. sta. 36 no. 4:6-13 Ap '65.  
Testing of an equalizing vessel for controlling the level in a boiler drum. L. V. Korogod, N. N. Safin. Energetik 13 no. 2:19-22 F '65.  
Testing of thick-plate boiler steel. A. S. Zhuravlev. Energomashinstroenie 11 no. 4:33-34 Ap '65.  
Utilization of heat losses of boilers. V. T. Svetkov. Tekh. v sel'khoz. 25 no. 5:62 My '65.

## BOILERS--ABSTRACTS

[Boiler manufacture] Ref. zhur. Koltost. nos. 6-7 Je-Jl '65.

## BOILERS--CLEANING

Blowing-through of the steam pipes of a 300 thousand kw. block. V. V. Gapeev, V. N. Tochilkin. Energetik 13 no. 2:20-27 F '65.

## BOILERS--CORROSION

Protection of the heavy duty boiler units using nitrogen. P. A. Kozlov and others. Teploenergetika 12 no. 3:17-21 Mr '65.

## BOILERS--FIRING

Burning of bark in a combination combustion chamber. M. V. Murder. Bum. prom. no. 3:16-18 Mr '65.

## BOILERS--SAFETY MEASURES

Automation of safety and control systems of heating in automated heating boilers. N. M. Galichkin, M. B. Slavin. Nov. tekhn. i kom. khoz. Zhil. khoz. no. 2:71-85 '63.

Kamenskii, L. B. [Handbook for a bitumen-boiler operator] Pamiatka mashinistu bitumennogo kotla. Moskva, Transport, 1965, 36 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh).

Raise the requirements in manufacturing small capacity steam boilers. S. I. Dudko. Bezop. truda v prom. 9 no. 3:21-23 Mr '65.

Russia (1917-- R. S. F. S. R.) Gosudarstvennyi komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Failures in boiler inspection systems and measures for preventing them, international letter] Avarii na ob'ektakh kotelnadzora i mery po ikh produprezhdeniiu. Informatsionnoe pis'mo. Izd. 2. Moskva, Nedra, 1965, 173 p.

## BOILERS, MARINE

Characteristics of calculating the heat balance of high-pressure boilers. N. I. Pushkin. Sudostroenie 30 no. 12:13-16 D '64.

## BOILING WATER REACTORS

Hydrodynamic instability of boiling water reactors. V. V. Dolgov, O. A. Sudnitsyn. Teploenergetika 12 no. 3:51-55 Mr '65.

## BOLDKOV, EVGENII VASIL'EVICH, 1889-

75 years. Avt. doi. 28 no. 2:3 of cover F '65.

## BOLIVIA--POLITICS AND GOVERNMENT

The tense situation in Bolivia. M. Il'inski. Mezhdunar. zhizn' 12 no. 7:118-119 Ji '65.

## BOLSHEVISM see Communism

## BOLSHOIY KEMCHUG VALLEY--FIR--DISEASES AND PESTS

Susceptibility of Siberian fir to cellulose-decomposing fungi in the Bol'shoi Kemchug basin. R. A. Bogoslavskii. Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk no. 3:86-100 '64.

## BOMBING, AERIAL

Bomber crew conducts the search. V. Ermakov, P. Petruchin. Av. i kosm. 47 no. 7:24-28 Ji '65.  
Hundred seconds of an attack. A. Chivkin. Av. i kosm. 47 no. 7:21-23 Ji '65.

## BONDARENKO, IVAN ANTONOVICH, 1944-

The regiment marches. Maiko Shchedryi. Sov. voyn. 47 no. 11:9 Je '65.

## BONDAREV, NIKOLAI IVANOVICH, 1889-1965

Nikolai Ivanovich Bondarev; an obituary. Zhur. nevr. i psikh. 65 no. 8:956-957 '65.

## BONES

Method for the determination of C<sup>13</sup> in bone tissue. M. M. Golovina and others. Med. rad. 10 no. 3:78-80 Mr '65.  
Structure of extremity bones in mammals. E. A. Klebanova. Zool. zhur. 44 no. 4:578-582 '65.

## BONES--CANCER

Case of metastases of pheochromoblastoma in the bones. N. N. Zueva. Vest. rent. i rad. 40 no. 2:62-63 Mr-Ap '65.

Case of multiple hemangioendothelioma of the mediastinum and the bones of the lower extremities. L. B. Zhmud', V. S. Zolotareva. Vest. rent. i rad. 40 no. 1:67-69 Ja-F '65.

Malignant degeneration of benign tumors of the bones and fibrous osteodystrophy following X-ray therapy. L. A. Dunayeva. Med. rad. 10 no. 5:30-35 My '65.

New strain of osteogenic sarcoma in rats. G. B. Fliss. Vop. onk. 11 no. 3:77-84 '65.

## BONES--DISEASES

(see also subdivision under Amur Valley)

Acral familial osteolysis. G. Khadzhidkov, L. Velichkov, P. Elenkov. Vest. rent. i rad. 40 no. 2:60-61 Mr-Ap '65.

Aneurysmal cysts of the bones. E. M. Kagan, M. K. Klimova. Vest. rent. i rad. 40 no. 2:3-8 Mr-Ap '65.  
Importance of diaphragm photographs in X-ray diagnosis of bone diseases. T. A. Kuznetsova. Vest. rent. i rad. 40 no. 2:23-27 Mr-Ap '65.

## BONES--RADIOGRAPHY

Importance of diaphragm photographs in X-ray diagnosis of bone diseases. T. A. Kuznetsova. Vest. rent. i rad. 40 no. 2:23-27 Mr-Ap '65.

## BONES--SYPHILIS

Combination of esophageal cancer and syphilitic lesion of the bones. E. A. Brusilovskii. Vest. rent. i rad. 40 no. 1:64 Ja-F '65.

## BONES--TUBERCULOSIS

Intravenous administration of streptomycin in treating osteoarticular tuberculosis. F. Sh. Kulicv. Vest. khir. 93 no. 11:100-103 N '64.

## BONES--TUMORS

Clinical observations of chondromyxoid bone fibromas. V. I. A. Shlapobekskii, S. T. Zatselin. Vop. onk. 10 no. 12:15-20 '64.

## BONUS SYSTEM

How to stimulate the construction and introduction of new machines? IU Margulis. Agitator 33 no. 11:52-53 Je '65.

Material incentives for the workers of light industry, the food industry, and trade. Fin. SSSR 39 no. 6:92-94 Je '65.

Material incentives for training the labor supply. L. Tul'chinskii. Fin. SSSR 39 no. 6:28-31 Je '65.

Replies to our readers' questions. Ekon. strai. no. 5:71-77 My '65.

## BOOK INDUSTRIES

Polivanovskii, S. E., and F. Kornushko. [Soviet book trade, organization and techniques] Sovetskaya knizhnaya torgovlia; organizatsiia i tekhnika. Moskva, Kulga, 1964, 206 p. illus. (NTC)

## BOOKS

Sturdiness and durability of books. A. V. Sidorova. Poligrafia no. 12:9-10 D '64.

## BOOKS--REVIEWS

[Chronicle of reviews] Let. rets. no. 2 '65.

## BOOKS FOR CHILDREN see Children's literature

## BOOKSELLERS AND BOOKSELLING

(see also subdivision under Bryansk Province; Czechoslovakia; Gorkovka, Donetsk Province; Kazakhstan; Kiev; Kyrgyzshev; Lithuania; Moscow, Saratov Province; Ukraine; Yaroslavl)

Book for the masses. Lit. otklik. NTO 7 no. 5:36-36 My '65.

Lomonosov on the selling of books. D. Tulichev. Knizh. toig. 16 no. 3:46-47 Mi '65.

Make use of specialists in the proper manner. L. Oleinik. Knizh. toig. 16 no. 3:37 Mr '65.

News in the book trade. Knizh. toig. 16 no. 3:23 Mi '65.

Plans are the rule for every enterprise. Knizh. toig. 16 no. 3:1-3 Mr '65.

A publishing house makes a study of the demand. B. Voronov, A. Gorokhovskii. Knizh. toig. 16 no. 3:30-40 Mi '65.

To actively participate in the work of the society. A. Belkina. Knizh. toig. 16 no. 3:36-37 Mr '65.

## BOOKSELLERS AND BOOKSELLING--BIBLIOGRAPHY see Bibliography--Booksellers and bookselling

## BOOLEAN ALGEBRA see Algebra, Boolean

## BOOLEAN FUNCTIONS

Complexity of series-parallel contact networks realizing one sequence of Boolean functions. R. E. Krichevskii. Probl. kh. no. 12:45-55 '64.



## BOOTS AND SHOES

House slippers, V. R. Komarova, Kozh., obuv. prom. 7 no. 4-26 Ap '65.

## BOOTS AND SHOES—STANDARDS

[Leather footwear, basic and auxiliary materials and supplies] Obuv' kozhannaya, osnovnye i vspomogatel'nye materialy i furnitura, Izd. ofitsial'noe, Moskva, Izdvo Standartov, 1965, 646 p. (SSSR Gosudarstvennyye standarty)

## BOOTS AND SHOES—TESTING

Changes occurring in the shoe upper sides, A. A. Bardadymov, M. B. Brodskii, M. S. Valov, Kozh., obuv. prom. 7 no. 4 34 Ap '65.  
Impact load on heels, L. A. Kolos, Nauch. trudy MTILP no. 30:140-142 '64.  
Load action on the heels, L. A. Kolos, Nauch. trudy MTILP no. 30:136-139 '64

## BORDER PATROLS

Sentinels of the Soviet border; for Border Guards Day, P. Sharikov, Agitator 33 no. 9:32-33 My '65

## BORIC ACID

Complex formation in solutions of tartaric and boric acid mixtures, E. Shvarts, A. Meishte, A. Levin'sh, Zhur. neorg. khim. 10 no. 5:1183-1185 My '65

## BORING

(see also subdivision under Daghestan)

Academiya nauk SSSR, Institut nauchno informatsii, [Extradeep drilling down to the upper mantle, 1962-1963] O burenit' avertkhlubokikh skvazhin na verkhnyuyu mantliu Zemli, 1962-1963. Moskva, 1964, 104 p. (togi nauki)

Shot boring of holes on a continuous face, M. A. Chopikashvili, A. E. Sokolov, V. D. Togoev, Izv. vys. ucheb. zav.; tsvet. met. 8 no. 118-119 '65.

Studying the causes of traumatism in boring, A. L. Ibatullin, Bezop. truda v prom. 9 no. 3:17-18 Mr '65.  
Twenty years of research by the boring and blasting section of the Scientific Technological Society for mining, B. D. Rossi, Shkht. stroi. 9 no. 5:31 My '65.

Using air as an oxidizing agent during thermal boring of rock, I. P. Goldsae and others, Mekh. stroi. 22 no. 2: 14-16 F '65.

## BORING—FLUID DYNAMICS

Experimental determination of the length of beginning and terminal sections in turbulent flow, U. Kh. Akhundov, Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 5:107-111 '64.

## BORING—HANDBOOKS, MANUALS, ETC.

Pustovoitenko, I. P., and A. P. Sel'vashchuk, [Brief handbook for the skilled worker in complex boring operations] Kratkiy spravochnik mastera po slozhnym burovym rabotam, Moskva, Nedra, 1965, 236 p.

## BORING—SAFETY MEASURES

Boring holes in stopes of seams subject to explosion, N. A. Perekrstov, Bezop. truda v prom. 9 no. 3:7-9 Mr '65.

## BORING MACHINERY

BKGM-63-2 hydraulic drill and crane for soil and meliorative surveying, B. A. Kalachev, Trudy Giprovodkhoz no. 25:38-40 '63

Korovchenko, G. M., [Preparing drilling tools for operation] Podgotovka burovogo instrumenta k rabote, Moskva, Nedra, 1965, 120 p.  
Program control systems for automotive units for boring blast holes, V. T. Zegorodnikov, Biul. tekhn. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:51-52 Ap '65.

Unit for making vertical exploratory boreholes of small cross-section, V. V. Shchit'man, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:7-8 Ap '65.

## BORIS, Metropolitan of Kherson and Odessa, 1906-1965

Boris, Metropolitan of Kherson and Odessa; obituary, Hieromonach Vladimir, Zhur. Mosk. Patr. no. 6:7-11 '65

## BORODAI, VASILII ZAKHAROVICH

Images of the new Egypt, L. Vladich, Iskustvo 28 no. 4:37-40 '65.

Labanova, E. B., Vasilii Zakharovich Borodai, Kyiv, Mystetstvo, 1964, 27 p. illus., plates, (MH)

## BORODIN, ALEXANDR PORFIR'EVICH, 1833-1887

Sokhor, A. N., [Aleksandr Porfir'evich Borodin; his life, activity and musical works] Aleksandr Porfir'evich Borodin; zhizn', delatel'nost', muzykal'noe tvorchestvo, Moskva, Muzyka, 1965, 819 p. (Klassiki mirovoi muzykal'noi kultury)

BORON—EFFECT ON PLANTS see Plants, Effect of boron on

## BORON FLUORIDE

Conductometric analysis of boron fluoride in reaction mixtures in the synthesis diphenylolpropene, IU. A. Davydovskaya and others, Trudy IREA no. 25:232-239 '63.

Kinetics of the hydrolysis of the compound formed by boron trifluoride with trimethylamino oxide F<sub>2</sub>B. ON(CH<sub>3</sub>)<sub>3</sub>, I. G. Ryas, S. L. Idel's, Zhur. neorg. khim. 10 no. 4:786-791 Ap '65.

## BORON-GERMANIUM-SILICON ALLOYS

Reaction of boron with germanium and silicon during the crystallization of solid solutions based on them, V. S. Zemsikov, V. V. Rozhdestvenskaya, V. D. Leonova, Izv. AN SSSR, Neorg. mat. 1 no. 3:343-346 Mr '65.

## BORON HYDRIDES

Organoboron compounds, Part 156: Hydroboration of dienes by n-butylmethylcapborane, T. A. Shegoleva and others, Zhur. ob. khim. 35 no. 6:1078-1083 Je '65

BORON-IRON ALLOYS see Iron-boron alloys

## BORON ORGANIC COMPOUNDS

Barene structure, V. I. Stanko, IU, T. Struchkov, Zhur. ob. khim. 35 no. 5:830-831 My '65.  
Metalation of neobarenes (neocarboranes) by alkali metal amides in liquid ammonia, L. I. Zakharin, A. V. Kazantsev, Zhur. ob. khim. 35 no. 6:1123-1124 Je '65.

New organoboron polymers, A. F. Zhigach and others, Plast. massy no. 5:20-21 '65.

Organoboron compounds, Part 141: Mutual transformations of trialkylboranes, borates, and boronic acid esters catalyzed by alkylboranes, B. M. Mikhailov, L. S. Vasil'ev, Zhur. ob. khim. 35 no. 5:925-929 My '65.

Organoboron compounds, Part 151: Kinetics of the hydrolysis of boron cation complexes, T. A. Shegoleva, V. D. Sheludjakov, B. M. Mikhailov, Zhur. ob. khim. 35 no. 6:1086-1073 Je '65.

Organoboron compounds, Part 152: Mutual exchange of alkoxy- and alkylmercapto groups in organoboron compounds, B. M. Mikhailov, L. S. Vasil'ev, Zhur. ob. khim. 35 no. 6:1073-1078 Je '65.

Possible quantitative conformation of radicals linked to the central atom of the element, Part 4: Organoboron compounds, I. I. Lapkin, G. A. Iuzhakova, Zhur. ob. khim. 35 no. 6:1083-1086 Je '65.

## BORON STEEL

Inefficiency of the use of boron steel for large articles, B. B. Vinokur, M. P. Braun, A. I. Kondrashev, Mashinostroenie no. 2:65-67 Mr-Ap '65.

## BORONIC ACIDS

Esters of dicyclohexylboronic acid, G. E. Kachelskii, N. I. Pritskhalava, G. D. Dzishvili, Zhur. ob. khim. 35 no. 6:1089-1087 Je '65.

## BOROSILICATES

Manifestation of the coordinate state of boron in an electrode behavior of lithium borosilicate glasses, V. S. Bobrov, L. P. Kalmykova, M. M. Shults, Zhur. prikl. khim. 38 no. 4:766-771 Ap '65.

BOTANY see subdivision under Hapsala region; Siberia; Soviet Far East; Udmurt A. S. S. R.

## BOTANY—ANATOMY

Channels of oxygen conduction from leaves to roots kept under anaerobic conditions, T. V. Chirkova, S. V. Soldatenkov, Fiziol. rast. 12 no. 2:216-225 Mr-Ap '65.  
Characteristics of the anatomic structure of meadow foxtail shoots and the physiological functions of fan cells of their leaf epidermis, M. N. Rudakova-Nogteva, Trudy GSKIII 9:82-94 '58.

## BOTANY—CLASSIFICATION

Taxonomic position of Eriophorum japonicum Maxim, B. A. Iur'tsev, Biul. MOIP, Otd. biol. 70 no. 1:127-135 Ja-F '65.

## BOTANY—EMBRYOLOGY

Nonenzymatic oxidation in the seed embryos of wheat of northern origin, V. A. Zhenchenko, Fiziol. rast. 12 no. 2:242-247 Mr-Ap '65.  
Rybenko, O. I., [Cytology of the nightshade family] Tsytoembriologiya rodny pasl'onovykh, Kyiv, Naukova dumka, 1965, 158 p.

## BOTANY—MORPHOLOGY

Annual cycles of the morphogenesis of some species of Liliaceae in the Stavropol Territory and their significance for the theory of ontogeny, V. V. Skripchinskii, VI, V. Skripchinskii, Biul. MOIP, Otd. biol. 70 no. 1: 85-102 Ja-F '65.

## BOTANY—STUDY AND TEACHING

Genkel, P. A., and L. V. Kudrashov, [Botany; a teachers' manual] Botanika; posobie dlia uchitel'ei, Izd. 3., perer., i dop. Moskva, Prosveshchenie, 1964, 694 p.

## BOTANY—VARIATION

Possibility of sympatric species formation, A. D. Bazykin, Biul. MOIP, Otd. biol. 70 no. 1:161-165 Ja-F '65.  
Somatic radiomutations by the box elder (Acer negundo L.), G. F. Privalov, Biul. MOIP, Otd. biol. 70 no. 1: 153-160 Ja-F '65.  
Variability of the varietal indices of tomatoes as related to the conditions of growing, M. A. Musaev, T. M. Gvozdenko, T. IU Abdullaev, Vest sel'skhoz nauk, 8 no. 8:74-77 Ag '64

## BOTANY, ECONOMIC

(see also subdivision under Zeravshan Valley)  
Activity of the Scientific Council for the Problem "Biological Bases for the Effective Use, Transformation, and Conservation of the Plant World," Z. G. Beapalova, Rast. res. 1 no. 1:161-163 '65.  
Plant resources of the U. S. S. R. for the national economy and medicine, A. A. Fedorov, Rast. res. 1 no. 1:5-18 '65

Review of the diseases of industrial crops, T. Zakharova, A. Chumakov, Zashch. rast. ot vred. i bol. 10 no. 5: 44-45 '65.

## BOTANY, ECONOMIC—RESEARCH

Where science joins production, S. Kh. Chevretdi, L. E. Pauzner, A. N. Mat'lanov, Rast. res. 1 no. 1: 128-129 '65.

BOTANY, MEDICAL see subdivision under Uzbekistan

## BOTANY, MEDICAL—RESEARCH

State of and prospects for research work on medicinal plants in the U. S. S. R., P. T. Kondratenko, I. A. Cubanov, Rast. res. 1 no. 1:19-30 '65.

## BOTOCUDO INDIANS—SOCIAL LIFE AND CUSTOMS

Material culture of a little-known Indian tribe in the state of Parana, Brazil, C. Loukotka, Sov. etn. no. 3: 134-138 My-Je '64

## BOTTLES—TERMINOLOGY

Unification of the terminology of bottle parts, I. I. Volfenzon, Ferment. i spir. prom. 31 no. 2:42-43 '65.

## BOTTLING MACHINERY

Introducing a unit for bottling nitric acid, A. F. Misharov, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5:17 My '65.

## BOTULISM

Electrophysiological studies of the reflex activity of the respiratory center in experimental botulism, V. N. Abosimov, Pat. fiziol. i eksp. terap. 8 no. 5:71-72 N-D '64.

BOULDERS see subdivision under Estonia

## BOUNDARY LAYER

Motions of a viscous two-component fluid in the boundary layer, G. G. Safarov, Izv. AN Azerb. SSR, Ser. fiz.-tekhn. nauk no. 1:30-39 '65.

Shearing elasticity of thin boundary films of volatile substances, A. V. Bulgadaev, Koll. zhur. 27 no. 2: 165-166 Mr-Ap '65.

## BOUNDARY VALUE PROBLEMS

Stability of a pipeline and some methods for solving nonconservative problems, O. N. Mukhin, Vest. Mosk. un. Ser. I: Mat., mekh. 20 no. 2:76-87 Mr-Ap '65.  
Uniqueness of one problem in the theory of potential, M. Atakhodzhaev, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 1:5-8 '65.

## BOX ELDER

Somatic radiomutations by the box elder (Acer negundo L.), G. F. Privalov, Biul. MOIP, Otd. biol. 70 no. 1: 153-160 Ja-F '65.

## BOXING

Dependence of the speed of serial blows of master boxers on various training loads, A. A. Karabanov, Teor. i prakt. fiz. kul't. 27 no. 3:46-50 Mr '65.

## BOYARKA VALLEY (KRASNYYARSK TERRITORY)—FORAMINIFERA, FOSSIL

Adherent Foraminifera from Valanginian sediments in the Boyarka Valley (Khatanga Depression), E. F. Ivanova, Geol. i geofiz. no. 1:169-165 '65.

## BOZDAG RANGE—GAS, NATURAL—GEOLOGY

Prospects for finding oil and gas in Tertiary sediments in the boundaries of the Bozdag Range, R. IU. Iusifov, Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 5:23-29 '64.

## BOZDAG RANGE—PETROLEUM GEOLOGY

Prospects for finding oil and gas in Tertiary sediments in the boundaries of the Bozdag Range, R. IU. Iusifov, Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 5:23-29 '64.

## BOZHENOV, ALEXANDR

Innovator Aleksandr Bozhenov, N. Kazantsev, Grazhd. av. 19 no. 5:11 My '62.

## BRACHIOPODA, FOSSIL

Revision of the genus *Neophicodothyris* (order Spiriferida) E. E. Pavlova Paleont. zhurn. no. 2 133-137 '65

## PHYSIOLOGICAL EFFECT

Reflexes on arterial pressure produced by the stimulation of the receptors and afferent intestinal fibers with synthetic bradykinin R. S. Sonina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 94-95 '64.

BRAGINSKII, IOSIF SAMOILOVICH, 1905—BIBLIOGRAPHY see Bibliography—Braginskii, Iosif Samoilovich, 1905-

## BRAIN

Ammonia - glutamic acid - glutamine system of the brain under the combined action of hypothermia and increased oxygen pressure E. Z. Emirbekov Ukr. biokhim. zhurn. 36 no. 5:673-678 '61.

Analysis of supraspinal effect of the reticular formation of the brain stem on the mechanism of formation of flexor dominance. O. V. Berzilova, S. A. Skuratova, P. D. Sheikhan. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 28-30 '64.

Analysis of the effect of aminazine on cerebrospinal reflexes and dominance F. D. Sheikhan. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 110-111 '64.

Analysis of the role and nature of cholinergic and adrenergic substances of the reticular formation in dogs of various ages. V. D. Rozanova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 75-76 '64.

Automatic activity of the respiratory center. M. V. Sergievskii, R. Sh. Gabdrakhmanov, A. A. Nenashev. Fiziol. zhurn. 51 no. 6:723-731 Je '65.

Brain polyglucosides. B. I. Khalkina, V. E. Iakushko Ukr. biokhim. zhurn. 36 no. 5:665-672 '64.

Comparative evaluation of the dose field in the irradiated volume of the brain and in its cross section by the use of a gel dosimeter I. U. D. Skoropad Med. rad. 10 no. 2:23-28 F '65.

Content and intensity of nucleic acid metabolism in the brain of guinea pigs exposed to X-ray irradiation. I. F. Soplin, M. E. Kucherenko, Ukr. biokhim. zhurn. 37 no. 2:251-259 '65.

Dependence of the reactions of individual neurons of the lateral geniculate body in rabbits on the intensity of light stimulus. T. G. Beteleva. Zhur. vys. nerv. deiat. 14 no. 6:1048-1056 N-D '64.

Differentiated requirements of the brain for individual amino acids N. T. Usacheva, G. N. Milova. Vop. pit. 23 no. 6:17-21 N-D '64.

Effect of insulin on the exchange of nucleic acid phosphorus in the rat brain. G. Kh. Bozhko. Probl. endok. i gorm. 10 no. 5:82-86 S-O '64.

Effect of narcotics and aminazine on respiratory reactions evoked by stimulating the bulbar reticular formation. A. V. Val'dman, Ma Chuan'-gen [Ma Ch'uan-k'eng]. Fiziol. zhurn. 51 no. 6:732-740 Je '65.

Effect of serotonin on the free nucleotide content in the brain tissue of rabbits M. D. Kur'skii, O. M. Zriakov Ukr. biokhim. zhurn. 36 no. 5:679-684 '64.

Experimental analysis of the sequence of evoked potentials in various structures of the brain during the development of conditioned reactions A. I. Shumilina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 112-113 '64.

Formation of amide groups of glutamine and proteins in the homogenates and subcellular fractions of the brain. G. Kh. Baniatian, A. V. Arutunian. Dokl. AN Arm. SSR 40 no. 4:209-215 '65.

Isolation of proteinase from brain tissues. K. F. Firsova, A. D. Morozkin, V. N. Orekhovich. Biokhimiia 29 no. 4: 673-679 Ji-Ag '64.

Proteolysis of the human brain. L. I. Komnina. Ukr. biokhim. zhurn. 37 no. 2:243-250 '65.

Nerves of the cerebral pia mater in some rodents. D. D. Shelepa. Arkh. anat. gist. i embr. 48 no. 3: 21-25 Mr '65.

Neurodynamics of central processes during experimental prolonged pain in man. V. G. Nikolaev. Pfl. eksp. biol. i med. 50 no. 6:16-19 Je '65.

Oxygen supply of the brain in circulatory hypoxia. E. A. Kovalenko, V. B. Koziner. Fiziol. zhurn. 51 no. 5:547-553 My '65.

Phospholipids of subcellular brain particles in chick embryogenesis. E. M. Kreps and others. Zhur. evol. i biokhim. i fiziol. 1 no. 1:16-25 Ja-F '65.

Prolongation of the period of reversible changes under the influence of cerebral hypothermia in serious blood losses. I. R. Petrov, K. A. Gerbut. Vest. khir. 93 no. 11:3-9 N '64.

Some morphophysiological principles of controlled reactions of the so-called nonspecific cerebral structures. R. A. Durlinian, A. G. Rabin. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 41-42 '64.

Study of the specificity of cathexin in the bovine brain. V. K. Lishko Ukr. biokhim. zhurn. 37 no. 2:163-168 '65.

## BRAIN—CONCUSSION

Late sequelae of closed craniocerebral traumas in athletes. P. I. Gotovtsev. Trudy Inst. im. N. V. Sklif. 8:133-138 '63.

Saturation of arterial and venous blood with oxygen in closed acute craniocerebral traumas. N. D. Laibzon, V. A. Kozirev. Trudy Inst. im. N. V. Sklif. 8:104-109 '63.

Some physiological data in transcranial galvanization with a cathode current in disorders of cerebral blood circulation. E. S. Lokshina, V. K. Zhogoleva. Trudy Inst. im. N. V. Sklif. 5 no. 2:161-167 '62.

Use of transcranial galvanization with an anode current in disorders of cerebral circulation. E. S. Lokshina, V. K. Zhogoleva. Trudy Inst. im. N. V. Sklif. 5 no. 2: 168-173 '62.

## BRAIN—DISEASES

Inspection of the cerebellum in the foramen occipitale magnum in some diseases of the brain. G. N. Mitovskaya. Zhur. nev. i psikh. 65 no. 6:828-831 '65.

Pathomorphological characteristics of thyrotoxic encephalopathy. F. A. Alzenstein. Zhur. nev. i psikh. 65 no. 6:926-933 '65.

Problems of heredity in hepatocerebral dystrophy (Wilson-Westphal-Konovalov's disease) R. A. Tkachev and others. Zhur. nev. i psikh. 65 no. 6:801-809 '65.

Psychopathological manifestations in the initial stage of an insult in its atypical forms. I. U. E. Rakhalskii. Zhur. nev. i psikh. 65 no. 6:800-805 '65.

Reactive processes in the brain during chronic local irradiation. I. N. Diment and others. Arkh. anat. gist. i embr. 48 no. 3:84-90 Mr '65.

Results of the study of the bioelectric activity of the brain with organic lesions during administration of ethylcorantifoline I. U. S. Borodkin and others. Zhur. nev. i psikh. 64 no. 11:1631-1635 '64.

## BRAIN—HEMORRHAGE

Acute traumatic epidural hematoma. V. V. Lebedev. Trudy Inst. im. N. V. Sklif. 8:21-26 '63.

Characteristics of pathophysiological shifts during an experimental operation for the removal of an intracerebral hematoma using certain types of anesthesia. N. M. Chebotareva, B. I. Slovikov, D. I. Kuznetsov. Trudy Inst. im. N. V. Sklif. 8:35-42 '63.

Diagnosis, clinical aspects and treatment of subdural hematomas in an acute serious craniocerebral trauma. A. S. Burlachenko. Trudy Inst. im. N. V. Sklif. 8: 158-165 '63.

Pathogenesis, differential diagnostic symptoms and treatment of various types of intracranial hemorrhages of traumatic etiology. I. M. Irger. Trudy Inst. im. N. V. Sklif. 8:27-34 '63.

Role of serial angiography in early topical diagnosis of intracranial hematomas during the acute period of craniocerebral traumas. A. A. Shlykov, C. I. A. Shecharbakova. Trudy Inst. im. N. V. Sklif. 8:113-121 '63.

Zlotnik, E. I. [Hemostasis and controlled arterial hypotension in cerebral surgery] Gemostaz i upravleniia arterial'naia gipotoniia v mozgovoi khirurgii. Minsk, Izd-vo "Belarus", 1965, 130 p. (DNLM)

## BRAIN—LOCALIZATION OF FUNCTIONS

Characteristics of the functional connections of various regions of the hypothalamus in rabbits. E. A. Gromova, K. N. Tkachenko, V. N. Provodina. Fiziol. zhurn. 51 no. 6:768-775 Je '65.

Characteristics of the functional properties of individual neurons of the somatosensory cortex in adult rabbits and cats. N. N. Vasilovskii. Zhur. vys. nerv. deiat. 15 no. 3:529-538 My-Je '65.

Electric activity of various sections of the large hemispheres in pigeons during movements following fasting and during the stimulation of crop receptors Sh. A. Rustamova. Izv. AN Azerb. SSR. Ser. biol. nauk no. 6 87-90 '64.

Evoked potentials of the auditory system. I. A. Alt'man, A. M. Maruseva. Zhur. vys. nerv. deiat. 15 no. 3: 538-548 My-Je '65.

Programming of constructive activity for patients with local brain lesions. A. R. Luria, L. S. Tsvetkova. Vop. psikh. 11 no. 2:17-27 Mr-Apr '65.

## BRAIN—NECROSIS

Anticoagulant treatment of patients in an acute stage of brain infarct. S. V. Babenkova, V. M. Karpinskaya. Zhur. nev. i psikh. 64 no. 11:1653-1660 '65.

## BRAIN—RADIOGRAPHY

Radiographic evaluation of posttraumatic cystic cavities of the brain. N. P. Tsydzik. Trudy Inst. im. N. V. Sklif. 8:168-172 '63.

## BRAIN—SURGERY

Characteristics of pathophysiological shifts during an experimental operation for the removal of an intracerebral hematoma using certain types of anesthesia. N. M. Chebotareva, B. I. Slovikov, D. I. Kuznetsov. Trudy Inst. im. N. V. Sklif. 8:35-42 '63.

Comparative course of the operative period in patients during surgery for an acute craniocerebral trauma under various types of anesthesia. B. V. Chetverushkin, V. B. Rumiantsev. Trudy Inst. im. N. V. Sklif. 8:43-48 '63.

Zlotnik, E. I. [Hemostasis and controlled arterial hypotension in cerebral surgery] Gemostaz i upravleniia arterial'naia gipotoniia v mozgovoi khirurgii. Minsk, Izd-vo "Belarus", 1965, 130 p. (DNLM)

## BRAIN—TUMORS

Fields of average velocity changes in the bioelectric activity of the brain in adenomas of the hypophysis and arachnoiditis of the optic chiasm. V. V. Dubikaitis. Zhur. nev. i psikh. 65 no. 6:837-843 '65.

Neurological evaluation of the state of patients with brain tumors during the process of treatment with radioactive gold and after it. A. A. Volkov, V. L. Kachuev, I. U. P. Krivosheina. Zhur. nev. i psikh. 64 no. 11:1626-1630 '64.

Phenomenon of inhibition of bioelectric activity in the "temporal" seizures in patients with cerebral tumors. D. C. Shmel'kin. Zhur. nev. i psikh. 65 no. 6:852-855 '65.

Significance and possibilities of craniographic and pneumoencephalographic method of examination in the diagnosis of brain insults with a tumoral course. A. M. Pulatov. Zhur. nev. i psikh. 65 no. 6:832-836 '65.

## BRAIN—WOUNDS AND INJURIES

Adiposogenital dystrophy and diabetes insipidus following cerebrocranial injury. I. L. Ben'kovich. Probl. endok. i gorm. 10 no. 4:70-71 Ji-Ag '64.

Anesthesia in carrying out cerebral angiography in patients with acute craniocerebral traumas. B. V. Chetverushkin, V. B. Rumiantsev, I. U. S. Ioffe. Trudy Inst. im. N. V. Sklif. 8:122-126 '63.

Anesthesia in surgery on craniocerebral traumas. V. V. Lebedev, B. G. Zhilis, B. V. Chetverushkin. Trudy Inst. im. N. V. Sklif. 9:222-225 '63.

Changes in arterial pressure in patients during the acute period of craniocerebral traumas. E. A. Bova. Trudy Inst. im. N. V. Sklif. 8:90-93 '63.

Clinical characteristics of craniocerebral traumas with fractures of the skull. L. A. Lotsman. Trudy Inst. im. N. V. Sklif. 8:47-53 '63.

Diagnosis, clinical aspects and treatment of subdural hematomas in an acute serious craniocerebral trauma. A. S. Burlachenko. Trudy Inst. im. N. V. Sklif. 8: 158-165 '63.

Emergency carotid angiography in closed craniocerebral traumas. I. M. Ostrovskaja. Trudy Inst. im. N. V. Sklif. 8:110-112 '63.

Gases in the blood in pathology of central respiratory regulation in patients with serious craniocerebral traumas. V. V. Lebedev, I. U. S. Iakov. Trudy Inst. im. N. V. Sklif. 8:96-103 '63.

Pathogenetic characteristics of convulsions of the brain. C. S. Lokshina. Trudy Inst. im. N. V. Sklif. 8:58-68 '63.

Programming of constructive activity for patients with local brain lesions. A. R. Luria, L. S. Tsvetkova. Vop. psikh. 11 no. 2:17-27 Mr-Apr '65.

Radiographic evaluation of posttraumatic cystic cavities of the brain. N. P. Tsydzik. Trudy Inst. im. N. V. Sklif. 8:168-172 '63.

Serious craniocerebral trauma combined with injuries of the trunk and the extremities. D. I. Gorenstein. Trudy Inst. im. N. V. Sklif. 8:127-132 '63.

Some problems of diagnosis and surgical treatment of acute craniocerebral traumas based on materials of the Sklifosovskii Institute. V. V. Lebedev, I. U. S. Iakov. Trudy Inst. im. N. V. Sklif. 8:5-11 '63.

Thromboembolisms of the pulmonary artery in craniocerebral trauma. N. I. Bgantsev. Trudy Inst. im. N. V. Sklif. 8:140-144 '63.

Tracheostomy in some forms of pathologic respiration in patients with serious craniocerebral traumas. I. U. S. Iakov. Trudy Inst. im. N. V. Sklif. 8:83-88 '63.

Treatment of patients with acute craniocerebral traumas. V. E. Dryk. Trudy Inst. im. N. V. Sklif. 8:12-20 '63.

Treatment of skull traumas accompanied by injuries of the venous sinuses of the dura mater. V. V. Lebedev, I. U. S. Ioffe, B. V. Chetverushkin. Trudy Inst. im. N. V. Sklif. 8:54-57 '63.

## BRAINSTEM

Effect of the stimulation of the brainstem and motor cortex on the activity of neurons of the spinal cord. A. I. Shapovalov, E. B. Arushanian. Fiziol. zhurn. 51 no. 6:870-880 Je '65.

Electric activity of the reticular structures of the brainstem under chemical stimulation and the blocking of rectal receptors during a changed functional state of the vegetative nervous system and the reticular formations. G. K. Kadyrov. Izv. AN Azerb. SSR. Ser. biol. nauk no. 6 75-88 '64.

## BRAINSTEM—BLOOD SUPPLY

Effect of the intensity of light stimulation on the phenomenon of rhythm assimilation in patients with transient disorders of blood circulation in the brainstem. L. G. Makarova. Zhur. nev. i psikh. 65 no. 6:863-867 '65.

## BRAINSTEM—TUMORS

Cerebellar syndrome in tumors of the brainstem. A. A. Shulov. Zhur. nev. i psikh. 65 no. 6:817-820 '65.

## BRACKS—ATTACHMENTS

Attachment to crane brakes for obtaining a variable braking moment. A. G. Gorbachev, G. G. Kozhushko. *Brig. truda i prom.* 9 no 3 54-55 Mr '65.

## BRASS—METALLOGRAPHY

Statistical criteria of the process of mercury action on brass. M. N. Trachenko. *Fiz.-khim. mekh. mat* 1 1 142-143 '65.

## BRASSICACEAE

Floral structure of *Brassica* Part I. Helianthi and galini. A. P. Malashina. *Fhim* 1 1 142-143 '65.

## BRATELLI, TRYGVE, 1910-

English architect. *Iskusstvo*, Trygve Bratelli. *Iskusstvo* 23 no 25 12, 17 Je '65.

## BRATSK HYDROELECTRIC POWER STATION

Calculation of the regime and temperature regime of the tail race of the Bratsk Hydroelectric Power Station during the operation. I. I. Gorbunov, V. M. Lyub. *V. I. Snoln* 1 1 142-143 '65.

Characteristics of the freezing of the Angara under the influence of significant contraction of the channel at the Bratsk Hydroelectric Power Station. I. I. Lisov, V. M. Samoilov. *Trud. Transp. inzh. inst. Sib. otd. AN SSSR* 10 11, 37-44 '64.

## BRATSK HYDROELECTRIC POWER STATION—DAMS

Calculation of the stress in the dam of the Bratsk Hydroelectric Power Station during the debris of the Angara in the channel. I. I. Lisov, I. A. Lisov, V. M. Samoilov. *Trud. Transp. inzh. inst. Sib. otd. AN SSSR* 10 11, 37-44 '64.

## BRATSK HYDROELECTRIC POWER STATION—STRAINS AND STRESSES

Developing a method of modeling the stresses in three-dimensional elements of a modern hydroelectric power station. A. I. Popov. *Izv. vuz. uch. zap. stroit. i arkhit.* 6 no 2 114-115 '65.

## BRAXY

Pathology of bradyst and infectious enterotoxemia of sheep in Daghestan. M. M. Farzaliyev, M. M. Dalgat. *Veterinariia* 41 no 4 36-37 Ap '65.

## BRAZIL—INDIANS—LANGUAGES

From archival materials on the languages of the Indians in Brazil. N. G. Sviridov. *Sov. etn.* no 3 139-140 My-Je '65.

## BREAM

Feeding of pike perch and bream spawning. M. A. Taita. *Gidrobiol. zh.* 1 no 2 55-56 '65.

## BREAM—PARASITES see Parasites—Bream

## BREAST—CANCER

Comparative evaluation of some methodologies of preoperative X-ray therapy of breast cancer (immediate results). L. D. Linderbraten, I. G. Prie. *Med. rad.* 10 no 6 33-35 Je '65.

Evaluation of prognostic factors in cancer of the breast. S. A. Khidun, Z. I. Dykman. *Vop. onk.* 11 no 3 3-8 '65.

Pathology of the breast and its relation to fibroadenoma and carcinoma. A. F. Fiks. *Vop. onk.* 10 no 12 21-25 '64.

## BRECCIA see Subdivision under Ural Mountains

## BREMSTRALUNG

Problems of protection against the bremsstrahlung of  $\beta$  particles of a series of isotopes used in medicine. V. S. Eshenov, I. P. Korenkov, V. A. Golikov. *Med. rad.* 10 no 5 75-78 My '65.

## BREST—SIEGE, 1944

[Bug afire] Bug v ognie, Minsk, Belarus', 1965, 526 p.

## BREST, BATTLE OF, 1941

[Bug afire] Bug v ognie, Minsk, Belarus', 1965, 526 p.

## BREST, BATTLE OF, 1941—PERSONAL NARRATIVES

During the first days of the war. F. F. Korol'. *Veterinariia* 42 no 5 15-16 My '65.

## BREST-LITOVSK, TREATY OF, MAR. 3, 1918 (RUSSIA)

Brest peace and the position of the U. S. A. V. Berezkin. *Vop. int.* 40 no 7 32-61 Ji '65.

## BREST PROVINCE—GRAIN-HANDLING MACHINERY

Mechanization of work at grain receiving enterprises in Brest Province. M. Samonov. *Muk. elev. prom.* 31 no 3 30-21 F '65.

## BREST PROVINCE—GYPSY MOTH

Reservoirs of gypsy moths in roadside plantings. P. Kohnmanuk. *Zashch. rast. ot vred. i bol.* 10 no 4: 30-31 '65.

## BREWING INDUSTRY—EQUIPMENT AND SUPPLIES

Design of continuous drum malting kilns. V. I. Popov, V. I. A. Valukhskii. *Ferm. i spirit. prom.* 31 no 2 15-18 '65.

## BRICK INDUSTRY see Subdivision under Kiev Province

## BRICK STAMPS

Electroosmotic lubrication of stamps in semidry brick pressing. I. I. Milashevskii, A. A. Gornikov. *Stroi. mat* 11 no 1 36 Ja '65.

## BRICKMAKING

Firing brick with pressed fuel. L. M. Liokumovich. *Stroi. mat.* 11 no 4 34-25 Ap '65.

Improving the quality of bricks with dehydrated clay. L. M. Liokumovich, B. S. Poljakov. *Stroi. mat.* 11 no 1 9-10 Ja '65.

## BRICKMAKING—EQUIPMENT AND SUPPLIES

Needs of rural brick plants. I. A. Umanski. *Stroi. mat.* 11 no 1 24 Ja '65.

## BRIDGE CIRCUITS

Basic characteristics and the use of the Smith bridge. M. A. Bykov. *Iz. tekhn.* no 2 38-41 F '65.

Equilibrium characteristics of bridge-type measuring circuits. A. P. Filipenko. *Elektricheskoe* no 5 59-63 My '65.

Experimental study of pulse-type bridge components. S. F. Akhmedov, V. A. Il'in. *Avtom. i telemek.* 26 no 3: 563-565 Mr '65.

Measuring capacitances of capacitor pickups in a self-excited bridge circuit. V. A. Dyvinskikh. *Priboirostroenie* no 5 3-5 My '65.

New method for separate balancing of a.c. bridge circuits. V. I. Kneiter. *Iz. tekhn.* no 2 12-43 F '65.

## BRIDGES

One of the problems of thermal stress in culvert spans of bridges. V. A. Kartashov. *Uch. zap. Mord. gos. un.* no 15 pt 2 12-20 '63.

## BRIDGES—DESIGN AND CONSTRUCTION

Accounting for the torsion of the main beams in the calculation of bridges. V. I. Kulish. *Izv. vuz. uch. zap. stroit. i arkhit.* 8 no 2 12-16 '65.

Increase the stability of bank piers and cones of medium-size bridges. E. I. A. Shtakht, M. F. Chekalov. *Avi. dor.* 28 no 2 27-28 F '65.

Rotenberg, I. S., ed. [Designing bridge crossings over large streams]. *Proektirovanie mostovykh perekhodov cherez bol'shie vodotoki*. [By] S. Rotenberg i dr. Moskva, Vysshaya shkola, 1965, 335 p.

Using affine transformations in calculating oblique bridges and other structures. V. A. Kartashov. *Uch. zap. Mord. gos. un.* no 15 pt 2 27-51 '63.

## BRIDGES, ALUMINUM

Designing and building an aluminum bridge. I. U. S. L'vov. *Transp. stroit.* 15 no 4 11-14 Ap '65.

## BRIDGES, CONCRETE

(see also subdivision under France, Netherlands)

Conditions for the formation of longitudinal cracks in the concrete of span bridges under the action of shrinkage stresses. G. N. Pisanko, E. N. Shcherbakov. *Bet i zhel.-bet.* 11 no 6 16-21 Je '65.

Guy reinforced concrete bridge. V. I. Kircenko. *Bet i zhel.-bet.* 11 no 6 5-10 Je '65.

Method of calculating statically indeterminate reinforced concrete and steel reinforced concrete bridge elements according to limiting conditions taking non-elastic deformations into account. N. N. Stetski. *Bet i zhel.-bet.* 11 no 6 34-37 Je '65.

Precast pile-trestle reinforced concrete bridges. B. A. Kostelanski. *Bet i zhel.-bet.* 11 no 6 21-23 Je '65.

Use of precast reinforced concrete in bridge building. S. A. Akovlev. *Transp. stroit.* 15 no 4 9-11 Ap '65.

Using reinforced claylike concrete in bridge construction. D. N. Ageev, K. P. Dellos. *Avi. dor.* 28 no 2 17-20 F '65.

Ways of developing and improving the construction of reinforced concrete bridges. N. M. Kolokolov. *Bet i zhel.-bet.* 11 no 6 1-4 Je '65.

## BRIEDE, ALEKSANDRA, 1901-

Ziedainis, V. Aleksandra Briede, Riga, Latvijas Valsts izdevnieciba, 1964, 189 p., illus. [in Latvian]

## BRINELL TEST

Yarnello, V. V. [Measuring the hardness of metals]. *Izmerenie tverdsti metallu*. Moskva, Izd-vo Standartov, 1965, 194 p.

## BRINES

Hypotheses concerning the concentration of sedimentary cover abyssal caused by the removal of water molecules from solutions. L. N. Kapechenko. *Lit. i pot. iskop.* no 2 134-140 Mr-Apr '65.

## BRIQUETS

Automatic hot briquetting of metal chips. I. U. G. Dorofeev, D. I. Krut'ko, V. I. Buravina. *Mekh. i avtom. proizv.* 19 no 4 13-14 Ap '65.

Press for briquetting mixed feeds. A. P. Pashkevich, M. M. Mordukhovich. *Muk. elev. prom.* 31 no 2 15-18 '65.

Remelting ShKh15 steel in a pot. I. U. G. Dorofeev, V. I. Buravina, L. N. Nikitenko. *Lit. i pot. iskop.* no 2 134-140 Mr-Apr '65.

## BRIQUETS (FUEL)

Coke briquets for cupola furnaces. P. I. Yefimov, others. *Lit. i pot. iskop.* no 3 6-7 Mr '65.

## BRITISH COMMONWEALTH OF NATIONS see Commonwealth of Nations

## BRITISH NORTH BORNEO see North Borneo

## BRITTEN, BENJAMIN, 1913-

Benjamin Britten speaks. *Sov. muz.* 20 no 3 13-14 Mr '65.

Britten's "War Requiem." D. Zlotomirskii. *Sov. muz.* 20 no 5 111-119 My '65.

New prospects. O. Leont'eva. *Sov. muz.* 20 no 3 13-14 Mr '65.

Theater of Britten. A. Zolotov. *Sov. muz.* 20 no 3 13-14 Mr '65.

## BRULLOV, KARL PAVLOVICH, 1790-1852

Vagner, L. A. [The last days of Pampol, An epic poem by people is portrayed here, Zakhar'ka]. *Pustelki*. Pampol, Tsi izobrazhen ugnomennymi narod, Zakhar'ka. Moskva, Znaniye, 1965, 136 p. (Prochit., chitatel'skiy)

## BROACHING

Microgeometry of the surface of some metals of metals subjected to broaching. A. M. Rozenberg. *Vest. mashinostroenia* 45 no 6 13-14 Je '65.

## BROACHING MACHINES

Machining holes with burnishing broaches. N. M. Fishman, A. M. Fishman. *Mashinostroenie* no 3 13-14 Mr '65.

## BROAD BEAN

Nitrogen-containing substances in some organs of the broad bean (*Vicia faba* L.) during the process of development. A. D. Borozovskiy, V. G. Kharin. *Ukr. biokhim. zh.* 8 no 5 730-750 '65.

## BRODSKII, ISAAK IZRAILEVICH, 1884-1939

In memory of immortal hero. M. Nadzhafov. *Sov. muz.* 20 no 4 11-15 '65.

## BROMIDES

Stability of polybromide ions. V. P. Mironov, N. P. Lastovkina. *Zh. neorg. khim.* 10 no 6 1083-1087 My '65.

## BROMINATION

Bromination of microquantities of protactinium-231 carrying agents. A. V. Lapitskii, S. B. Berdakov. *Radiochim. zh.* no 1 118-119 '65.

Bromination products of furfural. I. A. Goshadskii, L. D. Tarasova. *Izv. AN SSSR. Ser. khim.* no 6 1073-1080 '65.

3,6-Dioxocyclohexanone and cyclohexenone. Part 2: Stereochemistry of bromination of 3,6-dioxocyclohexenone and its dimethyl ester. N. B. Zefirova, A. F. Davydova, I. U. K. Iur'ev. *Zh. obshch. khim.* 35 no 5 914-922 My '65.

## BRONCHI

Gibrado, T. A. [Bronchi and blood vessels of the lung]. *Bronchi i krovnoye sosudy legkogo*. Tbilisi, Meditsina, 1964, 255 p. (DNLM)

## BRONCHI—RADIOGRAPHY

Bilateral single-stage bronchography in children. A. N. Protodopov, I. A. Popov. *Vest. rent. i rad.* 40 no 2 44-47 Mr-Apr '65.

## BRONCHOSCOPY

Cinebronchography in diseases of the lungs. G. I. Feofilov, O. S. Antonov, T. D. Bogatina. *Sov. med.* 24 no 4 96-98 Ap '65.

Results of the use of bronchoscopy under anesthesia in apnoea in the diagnosis of cancer of the lungs. I. I. Naimark, L. N. Kamardin. *Vop. onk.* 10 no 12 44-48 '64.

## BRONCHOSCOPY—ATLAS

Lukomskii, G. I., and V. A. Spasekalo. [Atlas of bronchoscopy]. *Atlas bronkhoskopi*. Moskva, Izdatel'skoe izdatel'stvo Medicheskoye, 1965, 88 p. (DNLM)

## BRONZE—HEAT TREATMENT

Chromium bronze for electrodes of resistance welding machines. S. K. Sizoberg and others. *Avtom. svar.* 18 no 5 132-34 My '65.

## BRONZE FOUNDRY—EQUIPMENT AND SUPPLIES

Increasing the durability of chills for the casting of bronze bushings. M. D. Potikh, M. L. Turevskii. *Izv. proizv.* no 3 40-47 Mr '65.

## BROWNIAN MOVEMENTS

Who was the first to observe Brownian motion? G. B. Ravich, Priroda 54 no. 6:74-77 Je '65.

## BRUCELLA

Diagnostic value of the fluorescence serologic method for detecting Brucella. M. I. Chelnisheva and others, Veterinarika 42 no. 6:22-25 Je '65.

Monomycin-dependent forms of Brucella. V. S. Uralova, Antibiotiki 10 no. 5:428-432 My '65.

Rapid method to identify brucella using alizarin suspension agglutinins. A. K. Adamov, K. S. Karpuzidil Zhur, mikrobiol., epid. i immun., 42 no. 1:103-107 Ja '65.

Study of the peroxidase activity of Brucella. M. V. Melnikova, Zhur, mikrobiol. epid. i immun., 42 no. 3:52-58 Mi '65.

Study of the virulence of a Brucella vaccine strain following its presence in an irradiated organism. Z. V. Shevtsova, Zhur, mikrobiol. epid. i immun., 42 no. 3:56-58 Mr '65.

## BRUCELLOSIS

(see also subdivision under Uzbekistan)

Immunobiological effectiveness of associated vaccine against plague, tularemia and brucellosis in various methods of its epicutaneous use. V. G. Pilypenko, T. A. Shebekina, A. M. Poliakova, Zhur, mikrobiol., epid. i immun., 42 no. 1:11-21 Ja '65.

Methods for detecting Brucella in wild rodents. G. A. Kolomakin, Veterinarika 42 no. 6:96 Je '65.

Preparation of whey for carrying out the agglutination reaction for brucellosis. F. P. Lokteva, Veterinarika 42 no. 6:95 Je '65.

## BRUCELLOSIS—PREVENTION

(see also subdivision under Karelia, Lithuania; Pskov Province)

Greater persistence in the elimination of tuberculosis and brucellosis. Veterinarika 42 no. 6:1-3 Je '65.

## BRUCELLOSIS—PREVENTIVE INOCULATION

Vaccinal process in guinea pigs in simultaneous immunization with brucellosis and Q-rickettsiosis live vaccines. E. N. Kniazeva, Zhur, mikrobiol., epid. i immun., 42 no. 1:47-52 Ja '65.

## BRUCELLOSIS IN CATTLE

Testing a vaccine produced from Brucella melitensis K. P. A. Trilenko and others, Veterinarika 42 no. 6:41-43 Je '65.

## BRUCELLOSIS IN SHEEP

(see also subdivision under Ukraine)

Methods for the accelerated diagnosis of brucellosis in sheep. I. A. Dan'shev, E. E. Kozlukin, Veterinarika 42 no. 6:25-28 Je '65.

Testing the immunogenic properties of oil vaccine in brucellosis of sheep. M. M. Ivanov, L. V. Kirillov, G. I. Popova, Veterinarika 42 no. 6:39-41 Je '65.

## BYANSK—TEXTILE INDUSTRY—HYGIENIC ASPECTS

History of a figure. N. Lokhinatov, Okhr. truda i zds. strakh. 8 no. 1:7 Ap '65.

## BYANSK PROVINCE—BOOKSELLERS AND BOOK-SELLING

How the quantity of books is reduced. S. Putanov, Knizh. torg. 16 no. 3:15-16 Mr '65.

Who is to blame? L. Efitov, Knizh. torg. 16 no. 3:16 Mr '65.

## BYANSK PROVINCE—CORN (MAIZE)

Corn in Bryansk Province. E. R. Khozhinov, Zemledelo 27 no. 5:51-53 My '65.

## BYANSK PROVINCE—WORMS, INTESTINAL AND PARASITIC

Ist Conference on the Control of Helminthiases in Bryansk Province. M. F. Lipatnikova, Med. paraz. i paraz. bol. 33 no. 6:755 N-D '61.

## BUDDLES

Thermodynamics of surface phenomena during boiling. V. G. Gleini, V. M. Vilenkii, Zhur, prikl. khim. 38 no. 4:883-889 Ap '65.

## BUCKWHEAT

(see also subdivision under Udmurt A.S.S.R.; Vinnitsa Province)

Let us expand the production of buckwheat. R. P. Panglyan, Zemledelo 27 no. 5:58 My '65.

Secretion of nectar in buckwheat under various conditions as related to respiration. O. A. Zauralov, G. D. Gubar', Fiziol. rast. 12 no. 2:248-256 Mr-Apr '65.

## BUCKWHEAT—FERTILIZERS AND MANURES

Assimilation of phosphorus from phosphorite meal by buckwheat on acid turf-Podzolic soils. A. A. Melkaze-rava, Vestsi AN BSSR. Ser. sel'hoz. nav. no. 4:23-28 '64.

Phosphorus fertilizers for buckwheat. N. N. Petelina, A. D. Savkina, Zemledelo 27 no. 5:77-78 My '65.

## BUCKWHEAT—MICROBIOLOGY

Change in the microflora of the grain of buckwheat as related to the methods of harvesting and conditions of storage. E. Kostrova, Muk.-elev. prom. 31 no. 2:19-20 F '65.

## BUDAPEST

Budapest reborn. Gor. khoz. Mosk. 39 no. 5:37-38 My '65.

## BUDDHA AND BUDDHISM see subdivision under Japan

## BUDDHIST ART see Art, Buddhist

## BUDDING

Synthetic films as the best binding material in budding. A. N. Stobov, Shor. nauch. rab. NII sad. no. 10:108-110 '64.

## BUDGET

(see also subdivision under Kamass)

[Budget and the budget committees of local soviets] Bludzhel i budzhebnye komissii mestnykh Sovetov. Moskva, Finansy, 1965. 142 p.

Subbotina, K. I. [Public education and the budget] Narodno obrazovanie i budzhel. Moskva, Finansy, 1965. 141 p.

## BUG VALLEY—ROCKS

Physical properties of the rocks of a sedimentary-metamorphic complex in the middle Bug Valley. V. I. Shapoval, Geofiz. shor. no. 9:14-29 '64.

## BUILDING

(see also subdivision under East Siberian Economic region; Moscow, Novyy Artek, Ukraine, Smolensk, Ulyanovsk)

Directives on problems of computing budget costs and of calculating the performance of building operations. Na stroi. Ros. 6 no. 4:29 Ap '65.

Efficient solutions. H. Kulikov, Stb. bud. 15 no. 2:13 F '65.

Experimental construction. O. Petlov, Stroi. i arkhitekt. 12 no. 2:40 F '61.

On a new quality standard. Na stroi. Ros. 6 no. 4:26-27 Ap '65.

Practical experience is a guarantee of success. Na stroi. Ros. 6 no. 4:24-26 Ap '65.

Reliable system of control and planning. B. Belfaeva, Na stroi. Ros. 6 no. 4:11-12 Ap '65.

System permits one to foresee and control accurately. I. Molnikas, Na stroi. Ros. 6 no. 4:20-21 Ap '65.

Volunteer design bureaus. E. P. Boboyukin, Mont. i spets. rab. v stroi. 25 no. 7:24-25 Ji '63.

## BUILDING—BIBLIOGRAPHY see Bibliography—Building

## BUILDING—COLD WEATHER CONDITIONS see subdivision under Siberia; Ukraine

## BUILDING—CONGRESSES

Recommendations of the All Russian Seminar in Smolensk on Practices in Introducing Graphic Work Schedules. Na stroi. Ros. 6 no. 4:28 Ap '65.

## BUILDING—ESTIMATES

Guide materials on problems of computing estimated costs and on calculations for completed construction and assembling operations. Na stroi. Ros. 6 no. 6:32 Je '65.

## BUILDING—GRAPHIC METHODS

Building according to a dash-and-dot work organization chart. N. Kurek, Na stroi. Ros. 6 no. 4:10 Ap '65.

Practices in organizing work by compiling and introducing graphs. I. U. Gusev, Na stroi. Ros. 6 no. 4:12-14 Ap '65.

Principles of central control when using graphic work schedules for planning and controlling. G. Matlin, Na stroi. Ros. 6 no. 4:21-22 Ap '65.

Recommendations of the All Russian Seminar in Smolensk on Practices in Introducing Graphic Work Schedules. Na stroi. Ros. 6 no. 4:28 Ap '65.

## BUILDING—STANDARDS

Standards and norms; effective means for improving the quality of construction, finishing, and equipping of buildings. E. S. Raeva, Stroi. i arkhitekt. Len. 27 no. 3:33-34 Mr '65.

## BUILDING—STUDY AND TEACHING

(see also subdivision under Germany, East)

Create an independent course on flaws in structural elements. I. A. S. Levenson, Izv. vuz. ucheb. zav., stroi. i arkhitekt. 8 no. 2:171-172 '65.

## BUILDING—TERMINOLOGY

Terms. V. P. Strotkin, Izv. vuz. ucheb. zav.; stroi. i arkhitekt. 8 no. 2:172-174 '65.

## BUILDING, CONCRETE see Concrete construction

## BUILDING, IRON AND STEEL see subdivision under Roctov-on-Don

## BUILDING AND LOAN ASSOCIATIONS

Problems of organizing housing construction cooperatives and operating cooperative apartment houses. V. Skripko, Sots. zakon. 42 no. 2:80-83 F '65.

## BUILDING LAWS

Consequences of the willful building of a house. P. Trubnikov, Sov. iust. 29 no. 11:17-19 Je '65.

## BUILDING MACHINERY see Construction equipment

## BUILDING MATERIALS

(see also subdivision under Ural Mountain region)

Kuznetsov, V. N. [How to search for natural wall materials] Kak iskat' estestvennyy stenovoi material. Moskva, Nedra, 1965. 29 p. (Biblioteka iskatella poleznykh iskopaemykh)

Synthetic materials should be available for the construction industry. V. Dzugayev, Stroi. i arkhitekt. 12 no. 2:1-2 F '64.

Two major characteristics of the properties of materials with conglomerate-type structure. I. A. Ryb'ev, Stroi. mat. 11 no. 1:17-19 Ja '65.

## BUILDING MATERIALS—STORAGE

Dry-wet method of storing coagulants. N. Grigorkina, Zhil.-kom. khoz. 15 no. 1:27 Ja '65.

## BUILDING MATERIALS—TRANSPORTATION

Transportation equipment for moving building materials and construction elements. M. S. Sashenkov and others, Mekh. stroi. 22 no. 2:5-7 F '65.

## BUILDING MATERIALS INDUSTRY

(see also subdivision under Sumy Province; Tyumen' Province)

Accelerate to the utmost the putting into operation of new means of production. Stroi. mat. 11 no. 1:1-2 Ap '65.

For radical improvement of the quality of production. Stroi. mat. 11 no. 1:1-2 Ja '65.

Mal'skiy, M. L., A. F. Kosenko, and O. P. Slesar. [Technology of metals and building materials] Tekhnologiya metalliv i konstruktivnykh materialov. Kyiv, Derzhspil'-hospvydav URSR, 1962. 410 p.

## BUILDING MATERIALS INDUSTRY—HYGIENIC ASPECTS

Building materials industry. Okhr. truda i zds. strakh. 8 no. 5:43 My '65.

## BUILDING RESEARCH

Institutes and plants. L. I. A. San'ko, Stroi. mat. 11 no. 1:2-4 Ja '65.

## BUILDING STONES

Optimal volume of natural stone blocks. V. G. Pichugin, G. A. Chusovitin, Stroi. mat. 11 no. 1:7-8 Ja '65.

## BUILDINGS—DEFECTS

Experience in correcting the tilt of a large-panel 1-430-P series apartment house after the sagging of the foundation. I. M. Ahelev and others. Osn., fund. i mekh. grun. 7 no. 3:23-25 '65.

## BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Moscow)

New "theory" and the practice of standardization. S. Dekhtlar, M. Medvedev, A. Smazheny, Stroi. i arkhitekt. 13 no. 5:26-29 My '65.

## BUILDINGS, PREFABRICATED

(see also subdivision under Leningrad)

Architectural and artistic expressiveness of prefabricated apartment houses. E. Sviatchenko, Stroi. i arkhitekt. 12 no. 2:24-26 F '64.

## BUKOVINA—CUP PLANT AS FEED

Cup plant as a promising silage crop for Bukovina. Z. I. Gritsak, Rast. res. 1 no. 1:118-122 '65.

## BUKOVINA—EUROPEAN CORN BORER—BIOLOGICAL CONTROL

The biological method helps. L. Onishchenko, Zashch. rast. ot vred. i bol. 10 no. 5:22 '65.

## BUKOVINA—SLAVIC ANTIQUITIES

The Chernyakhov Culture monuments in Bukovina. B. A. Timoshchuk, I. S. Vinokur, Mat. i issl. po arkheol. SSSR no. 116:189-195 '64.

## BULGARIA—AERONAUTICS, MILITARY

Russian-Bulgarian aviation cooperation on the eve and during the period of the First Balkan War. M. G. Kaplunov, Vop. ist. 40 no. 6:214-216 Je '65.

## BULGARIA—ANIMAL WASTE

Organizing the utilizing of animal waste in the People's Republic of Bulgaria. P. I. Kokurichev, Veterinarika 42 no. 6:108-107 Je '65.

## BULGARIA—ARTIFICIAL INSEMINATION

Artificial insemination of farm animals in Bulgaria. K. Bratanov, Veterinarika 42 no. 6:102-103 Je '65.

## BULGARIA—GREENHOUSES

Hot-house construction in Bulgaria. L. Ludyk, S. Bol'tnyk, Stb. bud. 15 no. 2:22-23 F '65.

**BULGARIA—KINDERGARTENS**

I would like to share my practices N. Takova-Khristova  
Doshk. vosp. 38 no. 4:92-94 Ap '65

**BULGARIA—MINT (BOTANY)**

Audins and the yield of mint oil. K. Dobrev, A. Marlynenko, L. Iliev, Zemledelie 27 no. 5:91-92 My '65

**BULGARIA—MOTION PICTURES**

Characteristics of the development of television and motion pictures in the Bulgarian People's Republic. S. Sharlandzhiev, D. Dikov, Tekh. kino i telev. 9 no. 4:33-39 Ap '65.

**BULGARIA—ORIENTAL STUDIES**

Oriental studies in Bulgaria during the last five years. V. P. Mutafchieva, Nar. Az. i Afr. no. 3:239-243 '65

**BULGARIA—PRINTING**

With printers in Bulgaria, IU. Berezniak, Poligrafia no. 12:40-41 D '64

**BULGARIA—PUBLIC PROSECUTORS**

Bulgarian lawyers in the U. S. S. R. Sots. zakon. 42 no. 6:88 Je '65.

**BULGARIA—RAILROADS—MAKING UP TRAINS**

Calculation of the plan for making up trains on the railroads of the Bulgarian People's Republic. A. I. Popov, Trudy MFT no. 203:30-43 '65.

**BULGARIA—RELATIONS (GENERAL) WITH RUSSIA**

Bulgarian lawyers in the U. S. S. R. Sots. zakon. 42 no. 6:89 Je '65.

**BULGARIA—RELATIONS (MILITARY) WITH RUSSIA**

Glory to the liberators. I. Vrachev, Komm. Vooruzh. Sil. 46 no. 8:65-67 Ap '65.

**BULGARIA—SALINE AND ALKALI SOILS—MICROBIOLOGY**

Microflora of salinized soils in Bulgaria. V. Rankov, Pochvovedenie no. 4:104-116 Ap '65.

**BULGARIA—SLAVIC STUDIES**

Scientific activity of the Institute of History of the Bulgarian Academy of Sciences, Goran Todorov, Sov. slav. no. 2:121-124 '65.

**BULGARIA—SOIL RESEARCH**

Achievements of Bulgarian soil science. Lulcho Raikov, Pochvovedenie no. 3:100-104 Mi '65

**BULGARIA—TECHNOLOGY—INFORMATION SERVICES**

Developing scientific and technological information and documentation in Bulgaria. I. V. Malev, NTI no. 2:30-33 '65

**BULGARIA—TELEVISION**

Characteristics of the development of television and motion pictures in the Bulgarian People's Republic. S. Sharlandzhiev, D. Dikov, Tekh. kino i telev. 9 no. 4:33-39 Ap '65.

**BULGARIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**

Radomirski, Slavecho. [Through fire and bullets; memoirs of a communist underground member. Translated from the Bulgarian] Skvoz' ogn' i puli; vospominaniia komunisto-podpol'shchika, Moskva, Politizdat, 1965, 127 p.

**BULGARIAN LITERATURE—HISTORY AND CRITICISM**

On a special type of literary development. M. Kapustin, Vop. lit. 9 no. 6:201-206 Je '65.

**BULLS**

Oxytocin as a stimulator of semen emission in bulls. I. P. Bereznev, Vest. sel'khoz. nauki 8 no. 8:91-95 Ag '63.

**BUNIN, IVAN ALEKSEEVICH, 1870-1953**

Lexical comparisons in poetic translation; according to I. A. Bunin's translation of "Song of Ilawatha" by H. Longfellow. L. S. Barkhudarov, Uch. zap. Kaf. porov. MGPIIA no. 2:41-60 '64.

**BUNT (DISEASE OF WHEAT) see Smuts****BUNTING (BIRDS)**

Taxonomy and distribution of the orlolan bunting. F. mbe-riza hortulana L. E. S. P.ushenko, Sbor. trud. Zool. muz. MGU 8:220-224 '65.

**BUOYS**

Building stations on buoys at small depths with changing sea level. E. A. Sobchenko, Mat. rybokhoz. Issl. Sev. bas no. 4:112-114 '64

**BURER, MARK SOLOMONOVICH**

Our friend and well-wisher. IU. Mochalov, Teatr 28 no. 3:115 Mr '65.

**BURIAL see subdivision under Vladimír region****BURMA—AGRICULTURE—ECONOMIC ASPECTS**

Struggle against commercial and venous exploitation in Burma. A. F. Zhabrev, Nar. Az. i Afr. no. 3:15-26 '65.

**BURMA—DESCRIPTION AND TRAVEL**

Suchkov, N. I. [There where the Irrawaddy flows] Tam, gde tsechiravadi, Moskva, Mysl', 1965, 101 p. (Puteshestviia, prikluchenia)

**BURNERS**

Characteristics of a flow in cylindrical channels behind the spiral and the blade mechanism. S. L. Shagalova, I. N. Shaitai, G. V. Gromov, Teploenergetika 12 no. 3:7-11 Mr '65.

**BURNS AND SCALDS**

Changes in the excitability of the heart in the acute stage of burn disease. A. N. Medelienovskii, V. B. Troitskii, Biol. eksp. biol. i med. 59 no. 6:32-35 Je '65.

Effect of burns on immunity in salmonellosis. P. I. Prilutina, Veterinaria 42 no. 5:40-42 My '65.

Effect of immunotherapy on the state of calcified tissues in rats with thermal burns. B. E. Movshev, Pat. fiziol. i eksp. terap. 8 no. 6:32-35 N-D '64.

Results of surgical treatment of cicatricial stenosis of the pharynx following burns by F. M. Khtrov's method. E. U. Fomicheva, Vest. khir. 93 no. 11:22-28 N '61.

**BURYAT A. S. R. —PUBLIC PROSECUTORS**

The public is a great force. I. Valurov, Sots. zakon. 42 no. 6:60-61 Je '65.

**BURYAT MUSICIANS see Musicians, Buryat****BUS CONDUCTORS (ELECTRICITY)**

Selection of bus lines for small substations. B. I. Sokolov, Energetik 13 no. 4:19-20 Ap '65.

**BUSINESS CORRESPONDENCE see Commercial correspondence****BUSINESS ENTERPRISES**

[Legal problems of an industrial enterprise. Plavovo voprosy promyshlennogo predpriatia, Rostov-na-Donu, Izd-vo Rostovskogo univ., 1961, 130 p. [Title page wanting]]

[MICROFILM]

**BUSINESS ENTERPRISES—FINANCE**

Financial organization of firms. D. Mollakov, Fin. SSSR 39 no. 6:53-57 Je '65.

**BUTADIENE**

Catalytic conversion of ethanol to butadiene. S. K. Bkhatshcharila, N. D. Ganguli, B. N. Avasthi, Kin. i kat. 6 no. 1:144-148 Ja-F '65.

Organoboron compounds. Part 159: Hydroboration of diones by n-butylmercaptoborane. T. A. Shechegoleva and others, Zhur. ob. khim. 35 no. 8:1078-1083 Je '65.

**BUTADIENE POLYMERS**

Physicochemical properties of microinhomogeneous mixtures of incompatible polymers. Polybutadiene-butadienitrile rubbers. V. N. Kuleznev and others, Koll. zhur. 27 no. 2:211-216 Mr-Ap '65

**BUTANE**

Catalytic processing of tar obtained in the dehydrogenation of butane. D. A. Aliev, Neftoper. i neftekhim. no. 1:33-37 '65.

Catalytic properties of rare-earth elements in the conversion of n-butane. Kh. M. Minachev, IU. S. Khodakov, Kin. i kat. 6 no. 1:80-84 Ja-F '65

**BUTENYNE**

Chemistry of vinylacetylene. Part 51: Addition of amines to dialkylaminomethylvinylacetylenes. S. A. Vartanian, Sh. O. Badanian, R. G. Agababian, Izv. AN Arm. SSR, Khim. nauki 17 no. 4:107-111 '64.

Compounds of the acetylene series. Part 4: Reaction of addition of alcohols to vinylacetylene by the action of alcoholates. G. M. Mkrian, Sh. L. Mndzhoian, G. M. Gasparian, Izv. AN Arm. SSR, Khim. nauki 17 no. 8:643-650 '64.

Hydration of vinylacetylene to methyl vinyl ketone by means of sulfuric acid solutions of cuprous oxide. Part 1: Solubility of vinylacetylene in sulfuric acid solutions of cuprous oxide. N. G. Karapetian, A. S. Tarkhmanian, A. N. Lulimova, Izv. AN Arm. SSR, Khim. nauki 17 no. 4:398-408 '64.

**BUTYL PHOSPHATES**

Interaction of mono-2-ethylhexylphosphoric acid with tributyl phosphate in n-octane. IU. B. Kletenik, I. S. Levin, Radiokhimiia 7 no. 1:110-113 '65.

Mechanism of rhodium extraction with tributyl phosphate. A. V. Petrov, A. V. Karalikh, K. V. Marunova, Zhur. neorg. khim. 10 no. 4:896-901 Ap '65.

Properties of tributyl phosphate solutions in benzene, carbon tetrachloride, and n-decane. Part 1: Heats of mixing and changes in volumes on mixing anhydrous tributyl phosphate with benzene, carbon tetrachloride, and n-decane. V. V. Fomin, T. I. Rudenko, Radiokhimiia 7 no. 1:33-39 '65

**BUTYLAMINE**

Perfluoro tet-1-butylamine. I. L. Kniadants, B. L. Dalkin, E. P. Mochalina, Izv. AN SSSR, Ser. khim. no. 6:1061-1063 '65.

**BUTYNYDIOL**

Chemistry of acetylene. Part 1: Addition of  $\alpha$ -chloromethyl ethers to tetramethylbutyne-1, 4-diol and some transformations of products obtained. S. A. Vartanian, A. O. Tosunian, Izv. AN Arm. SSR, Khim. nauki 17 no. 6:665-671 '64.

**BUTYNOL**

Chemistry of vinylacetylene. Part 54: Reaction of formaldehyde with tertiary vinylacetylenic alcohols in the presence of cation exchangers. S. A. Vartanian and others, Izv. AN Arm. SSR, Khim. nauki 17 no. 6:672-675 '64.

**BUTYRIC ACID**

Intracellular localization of gamma-aminobutyric acid and glutamic acids. N. F. Shatunova, Biokhimiia 29 no. 4:647-652 Ji-Ag '64.

Pharmacology of bukeamin ( $\gamma$ -amino- $\beta$ -hydroxybutyric acid). I. M. Vinnitskii, Izv. SO AN SSSR no. 12 Ser. biol.-med. nauk no. 3:154-158 '64

**BYLNY**

Karnaukhova, I. [Russian giant II in Muromets; byl'ny retold for children by I. Karnaukhova] Russkii bogatyir II in Muromets; byl'ny v peresekoe dlia detei I. Karnaukhovoi [Zd. 3.] Moskva, Gos. izd-vo detskoi lit-ry, 1963, 30 p. (Kniga za knigoi). (NcD)

**BYZANTINE ART see Art, Byzantine****CABBAGE—DISEASES AND PESTS**

Cabbage aphid. A. Adashkevich. Zashch. rast. ot vred. i bol. 10 no. 4:44 '65.

Cabbage moth Barathra brassicae as a dangerous pest. A. Chenkin, IU. Radchenko, V. Pli'tenko, Zashch. rast. ot vred. i bol. 10 no. 4:25-27 '65.

Comparative effectiveness of phosphorus organic preparations used against the cabbage aphid. A. P. Adashkevich, Khim. v sel'. khoz. 3 no. 5:34 My '65

**CABBAGE—VARIETIES see subdivision under White Russia****CADAVERS**

Dactyloscopy of cadavers in the absence of epidermis on the fingers. M. V. Kisein, Sud.-med. eksp. 3 no. 2:35-36 Ap-Je '60.

Preservation of influenza antigen in cadaveric material. E. V. Sidorenko, Sbor. nauch. trud. Inst. infek. bol. no. 4:87-90 '64.

**CADMIUM**

Effect of a diluent on the solubility of metallic cadmium in fused cadmium chloride - alkali metal chlorides. IU. I. Rodionov, V. R. Klokman, Radiokhimiia 7 no. 2:159-166 '65.

**CADMIUM—ANALYSIS**

Reaction of cadion (prepared by the Institute of Chemical Reagents) with lead and cadmium. A. M. Lukin, G. S. Petrova, N. M. Dastlova, Trudy IREA no. 25:161-171 '63.

**CADMIUM—ELECTROMETALLURGY**

Certain electrochemical properties of cadmium in its electrolytic separation from solutions. V. M. Gail, A. I. Zhurin, Izv. vyz. ucheb. zav.; tsvet. met. 8 no. 1:98-101 '65.

**CADMIUM ALLOYS—METALLOGRAPHY**

Microhardness of alloys in the cadmium angle in the system cadmium - tin - bismuth - lead. A. I. Solodenikov, Izv. vyz. ucheb. zav.; tsvet. met. 8 no. 1:125-131 '65.

**CADMIUM ANTIMONIDES—ELECTRIC PROPERTIES**

CdSb - Cu cross section of the ternary system Cd - Sb - Cu. D. P. Belotskii, V. G. Gulichanskii, Zhur. neorg. khim. 10 no. 4:987-1000 Ap '65.

**CADMIUM COMPOUNDS—SPECTRA**

Infrared absorption spectra of complex compounds of cadmium halides with aminobenzoic acid isomers. M. K. Aliev, T. Saidaliev, IU. T. Tashpulatov, Zhur. neorg. khim. 10 no. 6:1403-1405 Je '65.

**CADMIUM ORGANIC COMPOUNDS**

Oxidation of diphenylcadmium in organic solvents. V. N. Pankratova, V. N. Latifova, G. A. Razuvaev, Zhur. ob. khim. 35 no. 5:900-903 My '65.

## CADMIUM PLATING

Effect of pH on the cathodic process during the electrodeposition of cadmium from sulfate ammonium electrolyte. M. I. Palkhalla, K. M. Trutina, N. T. Kudryavtsev. Izv. vuzov, khim., 8 no. 1 99-103 '65

Electrodeposition of cadmium from sulfate solutions with added surface-active agents. I. A. Efimov, N. N. Balashova. Dzh. khim. 1 no. 5:606-608 My '65.

## CADMIUM SULFATE

Formation of liquid phase during thermal decomposition of cadmium sulfate in the system  $\text{CdSO}_4 - 2\text{CdO} \cdot \text{CdSO}_4$ . E. V. Margulis, N. I. Kopylov, N. S. Grishankina. Zhur. neorg. khim. 10 no. 4 1002-1005 Ap '65.

## CADMIUM SULFIDE—PHOTOELECTRIC PROPERTIES

Complex study of the kinetics of recombination and infrared quenching of the photocurrent in cadmium sulfide. V. I. Ashkarev, A. V. Llubchenko, M. K. Sheinkman. Fiz. tver. tela 7 no. 6:1717-1732 Je '65.

## CADMIUM SULFIDE CRYSTALS

Kinetics of a ferricyanide ion reduction on the cadmium sulfide surface. V. A. Tlagai. Fiz. khim. 1 no. 4 387-393 Ap '65

## CADMIUM SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Infrared quenching of photoconductivity in CdS single crystals. O. O. Plushchenko. Ukr. fiz. zhur. 10 no. 3, 303-311 Mr '65.

## CAISSONS

Construction of the head of a navigation lock by the use of a giant caisson. V. Shchegolev, L. Zhivkova, Rech. transp. 23 no. 12 31-33 D '64.

## CALANOIDA see subdivision under Adriatic Sea

## CALCIFICATION

Effect of immunotherapy on the state of calcified tissues in rats with thermal burns. B. E. Movshev. Pat. fiziol. i eksp. klin. 0 no. 0 32-35 N-D '64

## CALCIUM

Analytical application of calcium (prepared by the Institute of Chemical Reagents) for complexometric and photocolometric determination of calcium. I. G. Shadrin and others. Trudy IREA no. 25:203-214 '63

## CALCITE

(see also subdivision under Irelyakh Valley)  
Replacement of quartz with calcite in sedimentary rocks. S. A. Koshik. Geokhimiya no. 2:180-187 F '65.

## CALCIUM

Effect of calcium on the properties of medium-carbon steel. I. U. A. Shul'te, I. P. Volechok. Mashinostroyeniye no. 2:55-58 Mr-Apr '65

## CALCIUM—ANALYSIS

Analytical application of calcium (prepared by the Institute of Chemical Reagents) for complexometric and photocolometric determination of calcium. I. G. Shadrin and others. Trudy IREA no. 25:203-214 '63

## CALCIUM—EFFECT ON PLANTS see Plants, Effect of calcium on

## CALCIUM CHLORIDE

Obtaining dehydrated calcium chloride from the waste H<sub>2</sub>SO<sub>4</sub> of soda production. V. V. Tymoshenko, B. F. Ovchinnikov. Khim. prom. [Ukr.] no. 2:25-26 Ap-Je '65.

## CALCIUM CYANAMIDE

Methods for the analysis of calcium cyanamide and their comparative characteristics. A. P. Kreshkov, A. N. Iarovenko, V. N. Nevskaia. Khim. v sel', khoz. 3 no. 4: 19-22 Ap '65.

## CALCIUM FLUORIDE—SPECTRA

Spectral and line characteristics of stimulated radiation from  $\text{CaF}_2:\text{Sm}^{2+}$ . I. V. Annan'ov, B. M. Sedov. Zhur. eksp. i teo. fiz. 48 no. 3:782-790 Mr '65.

## CALCIUM METABOLISM

Sr 90 metabolism in the organism of rats kept on calcium-rich diet. L. A. Buldakova, R. A. Erokhina. Med. rad. 10 no. 3:66-72 Mi '65

## CALCIUM PHOSPHATES

Preparation of dicalcium phosphate of stoichiometric composition. I. M. Vasserman, N. I. Silant'eva. Zhur. neorg. khim. 10 no. 8:1320-1327 Je '65.

Reaction of ammonium humate with  $\text{Ca}_3(\text{PO}_4)_2$ . E. Tukhanov, M. N. Nabiev. Uzb. khim. zhur. 0 no. 3:5-7 '65.

## CALCULATING MACHINES

Solov'ev, A. I. [Theory of simple computing and measuring mechanisms] Teoriya prostoi shkikh schetno-reshatishchikh i izmeritel'nykh mekhanizmov. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 61 p.

## CALCULATING MACHINES—MAINTENANCE AND REPAIR

Savost'yanov, D. D. [Construction and repair of KEL (VMP-2), KELR, KELRS, SAR (VMM-2) and SARS calculating machines] Konstruktsia i remont vychislitel'nykh mashin modelei KEL (VMP-2), KELR, KELRS, SAR (VMM-2) i SARS. Izd. 3., perer. i dop. Moskva, Statistika, 1964. 242 p. diagrs. (insert)

## CALCULI, URINARY

Surgical treatment of patients with renal and ureteral calculi. M. D. Dzhabadzade. Azerb. med. zhur. 42 no. 3 20-25 Mr '65.

Urine clearance test in the dynamics of renal function in nephroureterolithiasis. M. I. Gasanbekov. Azerb. med. zhur. 42 no. 3 35-40 Mr '65

## CALCULUS OF PREDICATES

Class of reducibility of  $\forall^2\exists^2\forall$ . V. F. Kastyko. Alg. i log. 3 no. 5:6145-55 '64.

## CALCULUS OF VARIATIONS

Applicability of the necessary conditions of the calculus of variations to a Boltz-Mayer type problem. V. A. Kosmodem'ianskii. Prikl. mat. i mekh. 29 no. 2 368-372 Mr-Apr '65.

## CALIFORNIA—GEOLOGY, STRUCTURAL

Characteristics of the tectonic structure of the Californian Cenozoic folded zone. I. U. M. Pushcharovskii, E. N. Melankholina. Trudy GIN no. 89:55-119 '63.

## CALIPERS—TESTING

Device for checking high-precision inside calipers with the scale division of 0, 001 and 0, 002 mm. E. P. Ilnushkevich. Izv. vuzov, 42 no. 2 23-24 F '65

## CALLISTHENICS—PHYSIOLOGICAL EFFECT

Effect of callisthenics in industry on the indices of physical development and the cardio-vascular system in calculating-machine operators. L. N. Nifontova, G. A. Goncharova. Teor. i prakt. fiz. kul't. 27 no. 3 63-65 Mr '65

## CALORIMETRY

Differential calorimetry method of studying the oxidation of propylene and propylene oxide on a silver catalyst. V. P. Latshev, L. M. Kaliberdo, N. I. Popova. Kin. i kat. 6 no. 1:167-171 Ja-F '65

## CALVES

Effect of ultraviolet radiation on the development of calves. V. V. Dobrynin. Veterinarika 41 no. 4:61-63 Ap '65.

## CALVES—DISEASES AND PESTS

(see also subdivision under Moldavia; Smolensk Province)

Course of white muscle disease in calves. Kh. Z. Tagirov. Veterinarika 42 no. 6:62-63 Je '65.

Determining the dose of antibiotics in toxic dyspepsia of calves. V. M. Dodkopaev. Veterinarika 41 no. 4:55-58 Ap '65.

Intraperitoneal injection of novocaine with penicillin in dyspepsia of calves. L. G. Smirnov. Veterinarika 41 no. 4:67-68 Ap '65.

Prophylaxis and therapy of gastrointestinal diseases in newborn calves. V. A. Koshevoi. Veterinarika 41 no. 4:1-5 Ap '65.

Prophylaxis of hypovitaminosis A in calves and young pigs. A. F. Gudkin, I. U. P. Mozhukhin. Veterinarika 41 no. 4:63-65 Ap '65.

Radical operations on lungs in calves. M. P. Gor'kov, V. B. Panov. Veterinarika 41 no. 6:81-82 Je '64. Rickettsial conjunctivitis in calves. A. P. Svidlov. Veterinarika 41 no. 6:34-35 Je '64.

Surgical treatment of lambs with bezoars. P. D. Oricheniuk. Veterinarika 41 no. 6:83 Je '64.

Use of a nutrient salt solution in dyspepsia of calves. M. P. Kovalev. Veterinarika 42 no. 5:93 My '65.

## CALVES—FEEDING AND FEEDS

Fattening of calves. M. I. Kalinin. Trudy GSKH 91 187-178 '58.

Raising calves using nurse cows. V. P. Popkov. Veterinarika 41 no. 4:6-7 Ap '65.

## CALVES—PARASITES see Parasites—Calves

## CAMBODIA—BALLET

Pinces of Cambodia dances. V. Golovitsov. Teatr 26 no. 1:118-119 Ja '65.

## CAMELS—DISEASES AND PESTS

(see also subdivision under Gobi)

Comparative evaluation of dry purified and "old" tuberculin in the diagnosis of tuberculosis in camels. L. P. Abramov. Veterinarika 42 no. 6:36-37 Je '65.

## CAMPS

(see also subdivision under Artok, Ukraine)

Camp of urban students in the country. B. Rukhovich. Nar. obr. no. 6:60-62 Je '65.

Contribution of the Pioneers to the Junior Pioneers. V. S. Mlagkova. Nach. shkola 33 no. 5:84-86 My '65.

Festival of fairy tales in a Pioneer camp. V. M. Shteln. Nach. shkola 33 no. 5:86-87 My '65. In the "Duzhba" camps. I. Zaikovskii. Nar. obr. no. 6: 62-66 Je '65.

Organizing an urban Pioneer camp. L. Magnitskaya. A. Popov. Nach. shkola 33 no. 5:88-90 My '65.

## CAMPS—DESIGN AND CONSTRUCTION

Kumpan, P. V., and E. E. Iurgenson. [Pioneer camps, a new model] Pioneer'skie lageria, novyi tip. Moskva, Strolizdat, 1965. 84 p.

## CAMS

Designing cam mechanisms taking into consideration the wear of cam profile. S. K. Shaiinov. Mashinovedeniye no. 3 43-40 '65

Effect of the parameters of a cam mechanism on the wear of the cam profile under plastic contact conditions. I. I. Vorob'ev. Mashinovedeniye no. 3 50-55 '65

## CAMS—DESIGN AND CONSTRUCTION

Theoretical bases for designing cam mechanisms. M. A. Vasil'ev. Trudy STI 33 54-57 '62.

## CAMS—RELIABILITY

Increasing the reliability of cam-lever mechanisms of automatic single-spline turret lathes. M. P. Bondar', A. S. Smirnov. Mashinostroyeniye no. 3:16-18 My-Je '65.

## CANADA—CITIES AND TOWNS

Characteristics of urban growth in the newly developing industrial regions of Canada. L. Karpov. Vop. geog. no. 66:158-163 '65.

## CANADA—CRAWLER TRACTORS

Series of the Canadian "Nodwell" tractors and transporters. O. P. Shokin. Trakt. i sel'khozmash. no. 5: 40-43 My '65.

## CANADA—FOUNDATIONS

Foundation construction in permafrost in the U.S.A. and Canada. S. S. Vinlov. Osn., fund. i mekh. grun. 7 no. 3:28-30 '65.

## CANALS see Northern Donets—Donets Basin Canal

## CANCER

Bashchenova, A. P., and V. V. Gorodilova. [Malignant tumors] Zhukachestvennye opukholi. Moskva, Izd-vo "Znanie," 1965. 47 p. (Narodnyi universitet; Fakul'tet zdorov'ia, no. 12)

Changes in the activity of cholinesterase in the blood serum in patients with cancer during the period of radiotherapy. N. N. Mazovka. Med. rad. 10 no. 2:12-13 F '65

Effect of prolonged preservation of tumor tissue in formalin on its antigenic properties. S. P. Liasova. Mikrobiol. zhur. 27 no. 3:24-27 '65.

Effect of thio-TEPA on the protein composition of the blood in sarcoma M-1. T. I. Balaieva, L. N. Surodiki-na. Vop. onk. 10 no. 12 45-48 '64.

Metastasis of sarcoma M-1. S. A. Gukileva. Azerb. med. zhur. 42 no. 3:67-73 Mr '65.

Primary skin grafting in treating malignant tumors. Kh. Sh. Mirakimov. Vop. onk. 10 no. 12 68-72 '64.

State of blood serum proteins in patients with malignant neoplasms before and after radiotherapy. O. N. Nikonova. V. P. Popov. Med. rad. 10 no. 2:13-16 F '65

Treatment of multiple myelomas with sarcosylase, ACTH and corticosteroids. A. N. Chigirinskii. Vop. onk. 11 no. 3:110-121 '65.

## CANCER—DIAGNOSIS

Study of the pathological changes in the soft tissues in the X-ray image. F. M. Shteln. Vest. rent. i rad. 40 no. 2:27-31 Mr-Apr '65.

## CANCER—EXCISION

Attempts to prevent and treat recurrence of transplanted rat sarcomas with phosphazine after their removal. L. A. Ivanova. Vop. onk. 11 no. 3:117-118 '65.

## CANCER—TRANSPLANTATION

Oxygen tension and conditions of the blood supply in transplanted tumors. M. V. Vognralik. Vop. onk. 11 no. 3:73-77 '65.

## CANCER CELLS

Vasil'ev, I. M., ed. [Biology of malignant growth] Biologiya zhukachestvennogo rosta. Moskva, Nauka, 1965. 254 p. (Osnovy molekularnoi biologii) (DNLM)

## CANCER RESEARCH

Biological role of nuclease in normal and tumoral growth. I. U. A. Rovenskii. Usp. sovr. biol. 59 no. 3:354-373 My-Je '65.

Distribution of colloidal Ag<sup>110</sup> in the organism of rabbits in intramuscular administration and its influence on the development of the Brown-Pearce tumor. Sh. I. Ziliaev. Med. rad. 10 no. 2:45-48 F '65.



## CANCER RESEARCH (Continued)

- Effect of dibazol on the growth of tumors and resistance of animals with melanomas and Ehrlich's ascites tumors V. I. Rusin Vop onk 11 no. 3 53-56 '65
- Effect of natural pyrimidines on the growth of Ehrlich's tumor in mice and lymphosarcoma in rats A. M. Polishchuk Vop onk 11 no. 3 59-61 '65
- Effect of transplantation of the bone marrow in treating sarcoma M-1 in rats with high doses of Thio-TEP-A. G. M. Sukhin Vop onk 11 no. 3 48-52 '65
- Experimental study on tumors in golden hamsters caused by the Rous fowl V. I. Shevliagin Vop virus 9 no. 5 533-538 S-O '64
- Glutathione and sulfomucopolysaccharide metabolism in sarcoma-45 and in the organs of rats. A. I. Gaziev Vop onk 11 no. 3 68-73 '65
- Interaction of the Rous virus with mouse cells in vitro. I. B. Obukh, I. N. Krutkova Vop virus 9 no. 5 538-543 S-O '64
- Isolation and study of the fractional nature of specific proteins of blood serums in carcinomatous rabbits and cancer patients H. P. Fedotova, V. P. Korotkovichko Ulu biokhim zhur 36 no. 5 651-664 '64
- Materials on the history of the research on malignant tumors in Russia, Horstman's works 1796 A. D. Vakhirets N. F. Kramcheninov, I. I. Demin Vop onk 11 no. 1 120-122 '65
- Methodology of the study of late results of the treatment of patients with malignant tumors B. D. Kaufman and others Vop onk 11 no. 1 59-67 '65
- Radionestizing effect of some natural pyrimidines. R. I. Pol'kina Vop onk 11 no. 3 57-58 '65
- Relation of viruses to cancer. Kh. Koprovskii Vop virus 9 no. 5 543-549 S-O '64
- Report on the conference dealing with indirect treatment of the tumorous process L. S. Salamon, I. N. Smirnova Vop onk 10 no. 12 102-104 '64

## CANCEROGENIC COMPOUNDS see Carcinogens

## CANDIA, SEA OF—PHYTOPLANKTON

- Phytoplankton of the Sea of Crete A. A. Mikhailov Trudy SBS 17 3-12 '64

## CANNED FISH see Fish, Canned

## CANNED FOOD see Food, Canned

## CANNED VEGETABLES see Vegetables, Canned

## CANNERIES—EQUIPMENT AND SUPPLIES

- Mechanization of storage operations P. A. Lisovski Kons. i ov. prom. 20 no. 6 9 Je '65

## CANNING AND PRESERVING

- New developments in the production of cherry plum preserves. N. Nizharadze, E. P. Kotidi, Kons. i ov. prom. 20 no. 3 5-6 Mr '65
- Shapiro, D. K., M. M. Golomshok, and F. F. Zakharich [Home preserving of vegetables, fruit and mushrooms] Konservirovanie ovoshchei, fruktov i gribov v domashnikh usloviyakh, Izd. 5., perer., i dop. Minsk, Belarus', 1965. 143 p.

## CANNING AND PRESERVING—MICROBIOLOGY

- Prevention and control of Cl. perfringens in the production of canned cucumber. S. A. Nikolaeva, N. N. Mazorkhina, Kons. i ov. prom. 20 no. 6 24-28 Je '65

## CANNING INDUSTRY

- Make better use of raw materials. Kons. i ov. prom. 20 no. 6 1-3 Je '65

## CANNING INDUSTRY—COSTS

- Methodology for calculating the cost of production of canned food. Sh. B. Gandel'man, I. A. S. Gradshtein Kons. i ov. prom. 20 no. 6 20-23 Je '65

## CANTHARIDIN—PHYSIOLOGICAL EFFECT

- Cantharidin test in rheumatic fever. V. M. Dvorina, Trudy Inst. im. N. V. Sklif. 5 no. 2 85-89 '62

## CAPILLARIES

- microscopic study of the structure lymph capillaries D. A. Zhdanov, rkh anal., gist. i embri 47

- Electrocardiographic and capillaroscopic changes during influenza complicated with lacunar or follicular tonsillitis. E. N. Gorbunova, Sbor. nauch. trud. Inst. infek. bol. no. 4 153-156 '64

## CAPILLARIES—PERMEABILITY

- Determination of capillary permeability by the method of radioactive indication. I. A. Sorochenko, Yu. P. Shcherbak Trudy TSU 71 206-211 '64

## CAPILLARITY

- Investigating the process of drawing shapes from molten metals. P. V. Chernogorov, Yu. E. Nebogatorov, Lat. prozv. no. 3 28-30 Mr '65

## CAPITAL

- (see also subdivision under Chelyabinsk Province; Soviet Central Asia; Ukraine, West Ural Economic region)

- Russ, A., G. Gertners, and K. Rainess. [Economic efficiency of capital assets] Razosanas fondu ekonomika efektivitate, Riga, Izdevnieciba "Liesma," 1965. 56 p. [In Latvian]

- Economic nature of the working capital of socialist enterprises. O. Leont'ev, Ekon. Rad. Ukr. 8 no. 6 24-28 Je '65

- The State bank and the development of capital assets of industry. M. Pesel', Den i kred. 23 no. 5 8-14 My '65

- Strengthen material incentives. V. Shevelev, Fin. SSSR 39 no. 6 43-48 Je '65

## CAPITAL INVESTMENTS

- (see also subdivision under East Siberian Economic region, Kabardino-Balkar A. S. S. R.; Kirgizistan) Determining the efficiency of capital investments. V. Ivanitskii, D. Petrov Sov. torg 38 no. 3 36-40 Mr '65

- Financial capitalist groups in the electric industry and electric transportation in Russia during the period of the prewar industrial development and the First World War V. S. Diakin Ist zap. 75 170-211 '65

- [Financing and issuing credit for capital investments] Finansirovanie i kreditovanie kapital'nykh vlozhenii, [By] P. M. Pluchuk i dr. Minsk, Vysshaya shkola, 1965. 111 p.

- Increase the efficiency of capital investments in the reconstruction of enterprises S. Ginzburg, Plan. khoz. 42 no. 6 12-16 Je '65

## CAPITAL INVESTMENTS—MATHEMATICAL MODELS

- One-sector dynamic model, and the evaluation of the efficiency standards of capital investments B. N. Mikholevskii, Ekon. i mat. metod 1 no. 2 69-191 Mr-Apr '65

## CAPITALISM

- Bourgeois 'Sociology of sports' and its reactionary role A. A. Trenkin, Teor. i prakt. fiz. kul't. 27 no. 3 7-11 Mr '65
- Imaginary and real changes in contemporary capitalism. A. Mileikovskii, V. Shundeev, R. Enlov Kommunist 42 no. 11 25-38 Ji '65

- Kim, F. P. [Dialectics of the development of contradictions in state monopoly capitalism] Dialektika razvitiia protivorechii gosudarstvenno-monopolisticheskogo kapitalizma, Moskva, Mysl', 1965. 101 p.

- Moscow, Akademiia obshchestvennykh nauk, [Present-day capitalism and bourgeois sociology] Sovremennyy kapitalizm i burzhaznaya sotsiologiya, Moskva, Mysl', 1965. 255 p.

- Novosibirsk, Institut inzhenerov zhelezнодорожного transport, [Integration and the basis of capitalist contradictions; material approved by the department of Economics as an aid to the students of correspondence, evening and day sections of the Novosibirsk Institute of Railroad Engineers] "Integratsiia" i osnovnye protivorechii imperializma, material v pomoshch' studentam zaochnogo, vechernego i dnevnogo otdelenii NIITZPa. Uverzhden katedroi politicheskoi ekonomii, Novosibirsk, 1963. 25 p. (CS-1)

## CAR AXLES—MAINTENANCE AND REPAIR

- Improve the inspection of axle equipment. A. A. Daniluk, Zhel. dor. transp. 47 no. 5 83 My '65

## CAR COUPLINGS

- Preventing the break of the swing links in couplings. L. A. Shadur, B. S. Evstaf'ev, Zhel. dor. transp. 47 no. 5 61-63 My '65

## CAR WHEELS

- Causes of the nonuniform wear of wheels in braking with composition brake shoes. T. V. Larin, V. P. Devlatkin, Zhel. dor. transp. 47 no. 4 61-64 Ap '65
- Investigating the process of rolling wheels at the Nizhny Tagil metallurgical combine. A. P. Chekmarev and others, Stal' 25 no. 8 543-546 Je '65

## CAR WHEELS—TESTING

- Effect of residual stresses on the deformation of seamless rolled wheels. K. F. Starodubov and others Vest. TSNI MPS 24 no. 1 35-37 '65

## CARBAMIC ACID

- Determination of copper in nickel-zinc ferrites by the diethylthiocarbamate method. I. K. Tselinskii, F. P. Gorbunov, T. A. Krasuskaia, Trudy IREA no. 25 329-333 '63

## CARBAMIC ACID—TOXICOLOGY

- $\mu$ -Cresyl ester of N-methylcarbamic acid as an acaricide. B. A. Frolov, Khim. v sel', khoz. 3 no. 5 65-67 My '65

## CARBANILIC ACID

- Chemical control of the wild oat. G. A. Chesalin, Kh. D. Ramazanov, Vest sel' khoz. nauki 8 no. 8 44-46 Ag '63

## CARBANILIC ACID—EFFECT ON PLANTS see Plants, Effect of carbanilic acid on

## CARBATHION

- Effectiveness of carbathion against cotton wilt. T. A. Zbarskii, I. I. Androeva, Khim. v sel', khoz. 3 no. 4 35-38 Ap '65

## CARBIDES

- Determination of the carbide phase of vanadium using sulfonazo I reagent. I. I. M. Gofman, V. G. Sil'kovskii, Trudy IREA no. 25 343-346 '63

## CARBODIIMIDE

- Transformation of amino acyl-sRNA into dipeptidyl-sRNA by using water-soluble carbodiimide. V. K. Alimova, S. N. Zagrebelskii, D. G. Knorre, Biokhimiia 30 no. 1, 189-194 Ja-F '65

## CARBOHYDRATE METABOLISM

- Glucose: alcohol function of the adrenal cortex in patients with multiple sclerosis. G. V. Abramchik, Dokl. AN BSSR 8 no. 3 205-207 Mr '65
- Role of carbohydrate metabolism disorders in the pathogenesis of gastric ulcer. V. T. Pozdnyakov, Sov. med. 28 no. 1 22-26 Ap '65

- Some characteristics of carbohydrate and nitrogen metabolism in sugar beets affected with yellow virus. A. O. Skofenko, D. M. Innokova, Mikrobiol. zhur. 27 no. 3 14-19 '65

## CARBON—MANUFACTURE

- Finkov, A. S. [Forming the structure and properties of carbon and graphite materials] Formirovanie struktury i svoystv uglegrafitovykh materialov, [Moskva] Metallurgiya, 1965. 287 p.

## CARBON, ACTIVATED

- Adsorption of germanium compounds from solutions by activated carbon. D. I. A. Fedokimov, A. P. Kostuk, Zhur. prikl. khim. 38 no. 4 151-156 Ap '65
- Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 13. Dependence of the number of carbon active centers on the temperature of its activation. O. K. Davtian, I. A. Tkach, Elektrokhimiia 1 no. 2 207-211 F '65
- Production of activated carbon from anthracite in fluidized bed ovens. K. I. B. Makhordin, A. M. Hukhomeniuk, Khim. i prom. [Ukr.] no. 2 22-25 Ap-Je '65
- Use of granular activated carbon with magnésite additives for sludge purification in sugar refineries. I. I. Zelazovich, F. P. Alekseenko, Sakh. prom. 38 no. 5 11-14 My '65

## CARBON BLACK

- Formation of carbon black on the breakdown of hydrocarbons in a high-temperature flow of complete combustion products. V. P. Surovkin, P. D. Tsenev, Gaz. prom. 10 no. 5 44-50 '65

## CARBON DIOXIDE

- Freezing-out of carbon dioxide in the regenerator and freeze-out apparatus of the RI-6 plant developed by the All-Union Scientific Research Institute of Industrial Oxygen Apparatus Construction. G. V. Vasundra, I. N. Maizel's, Trudy VNIIMASH no. 0 56-74 '65
- Mechanism of adsorption and isotope exchange of  $C^{14}O_2$  on MgO and Mg (OH)<sub>2</sub>. O. V. Krylov and others, Khim. i tekhn. 6 no. 1 120-130 Ja-F '65
- Physical and mechanical properties of metal hard faced in an atmosphere of carbon dioxide. V. A. Shcheglov, Zap. Len. otkh. inst. 05 68-73 '61
- Removal of carbon dioxide from gases by means of a "hot" potash solution. M. A. Ljudkovskaya, S. D. Fridman, V. A. Klevko, Khim. prom. 41 no. 5 330-343 My '65
- Sorption of carbon dioxide from porous active metals by absorbents. A. E. Gidashchik, S. P. Zholobov, M. D. Ipatova, Zhur. prikl. khim. 38 no. 4 906-905 Ap '64

## CARBON DISULFIDE

- Formation of sulfides in the reaction of carbon disulfide with the bases. E. B. Veideman, A. I. Meow, Khim. volok. no. 2 34-38 '65

## CARBON DISULFIDE—TOXICOLOGY

- Use of urea in treating experimental poisoning by carbon disulfide. Zh. I. Abramova, Pat. fiziol. i eksp. terap. 8 no. 0 76-77 N-D '64

## CARBON ELECTRODES see Electrodes, Carbon

## CARBON ISOTOPES

- Distribution and excretion of  $C^{14}$ -tagged nicotinic acid in rats. V. K. Modestov, A. B. Sokolov, Trudy TSU 71 194-200 '64
- Dynamics of the distribution of  $C^{14}$ -tagged aspartic acid throughout the organs and tissues of rats. V. P. Markelova, Trudy TSU 71 183-189 '64
- Effect of deposition on the distribution of total antigen from Gärner's culture, labelled with carbon ( $C^{14}$ ). G. V. Shumakova, I. B. Frizanova, Zhur. mikrobiol., epid. i immun. 42 no. 2 8-13 F '65
- Reactions of recoil atoms of tritium and  $C^{14}$  with heterocyclic amines. E. N. Aydonina and others, Radiokhimiia 7 no. 2 220-227 '65

## CARBON ISOTOPES—PHYSIOLOGICAL EFFECT

Localization of radioactively in the tissues of guinea pigs following injection of  $C^{14}$ -catechols into the organism. E. F. Shamur, M. N. Zapomietov. *Biokhimiia* 29 no. 4:597-700 J1-Ag '61

## CARBONATED BEVERAGES see Soft drinks

## CARBONATES

(see also subdivision under Greenland Sea, Norwegian Sea)

Carbonate ring breaking in a partially hydrolyzed tricarbonatocobaltate. V. A. Golovina, L. A. Kokh, S. K. Sokol. *Zhur. neorg. khim.* 10 no. 4:836-839 Ap '65.

Cathodic reduction of oxygen in fused carbonates. Part 1. Effect of the state of platinum and palladium electrode surfaces on the electroreduction of oxygen in fused carbonates. A. V. Silakov, G. S. Titikov, N. P. Vasil'ev. *Elektrokhimiia* 1 no. 5:613-617 My '65.

Determining the carbonates in the additives to motor oils. N. I. Ladyzhnikova, A. V. Druzhintina. *Nefteper. i neftekhim.* no. 1:17-19 '65.

Four-membered carbonate ring breaking in tricarbonatocobaltate. V. A. Golovina, L. A. Kokh, S. K. Sokol, Zhur. neorg. khim. 10 no. 1:829-835 Ap '65.

## CARBONIC ACID

Isopropyl ester of chlorocarbonic acid. V. Monakhov. *Pozh. delo* no. 5:31 My '65.

Synthesis and study of mixed polycarbonates based on 2,2-di-(4-hydroxy-3,5-dichlorophenyl) propane. E. I. Said Ali Khaseen and others. *Vysokom. soed.* 7 no. 4:729-733 Ap '65.

## CARBONIUM COMPOUNDS

Reactivity of unsaturated oligo-esters in carbonium polymerization. T. E. Lipatova, V. M. Siderko, V. A. Budnikova. *Vysokom. soed.* 7 no. 1:500-505 Ap '65.

## CARBONYL COMPOUNDS

Electrochemical hydrogenation of aromatic aldehydes and ketones. S. G. Mal'nevskii, V. N. Pavlov. *Elektrokhimiia* 1 no. 2:226-227 F '65.

Study of the mechanism of electrochemical reduction of aromatic aldehydes and ketones on a mercury electrode by the faradic impedance method. V. N. Pavlov and others. *Elektrokhimiia* 1 no. 4:427-433 Ap '65.

## CARBONYL GROUP

Polymetallic compounds of tin with metal carbonyls. A. N. Nosmetanov and others. *Izv. AN SSSR. Ser. khim.* no. 3:122 '65.

## CARBOXYL GROUP

Synthesis and properties of polyarylates with carboxyl groups. M. N. Bogdanov and others. *Vysokom. soed.* 7 no. 1:734-736 Ap '65.

Synthesis and study of the properties of polydimethylsiloxanes containing carboxyl groups in organic end radicals. K. A. Andrianov, A. A. Zhdanov, E. A. Kashutina. *Zhur. ob. khim.* 35 no. 6:1037-1040 Je '66.

## CARBOXYLATION

Electrochemical carboxylation of unactivated compounds. M. I. A. Fioshin and others. *Zhur. VKIO* 10 no. 2:238 '65.

## CARBOXYMETHYLATION

Study of the reaction of carboxymethylation of lysozyme with iodoacetic acid. N. A. Kravchenko, G. V. Kleopina, E. D. Kaverzheva. *Biokhimiia* 39 no. 1:199-202 Ja-F '65.

## CARBURETORS—TESTING

Unit for testing carburetors. D. Rubets, E. Leshchinskii. *Avi. transp.* 43 no. 6:33-35 Je '65.

## CARCINOGENS

Changes in the biochemical indices of the liver tissue of rats following the administration of hepatocarcinogens of different chemical structures. B. L. Rubenchik. *Vop. onk.* 11 no. 3:83-88 '65.

Induction of liver, kidney and lung tumors in rats with N-nitrosodimethylamine. I. N. Shvemberger. *Vop. onk.* 11 no. 1:34-38 '65.

## CARCINOGENESIS

Dominant mechanisms in the process of carcinogenesis as exemplified by the interrelations between reparative regeneration and tumor formation. G. N. Arkhipov. *Pat. fiziol. i eksp. terap.* 8 no. 6:66-69 N-D '64.

Report on the symposium on the mechanisms of carcinogenesis. V. S. Turusov. *Vop. onk.* 10 no. 12:104-105 '64.

## CARD CATALOGS (FOR LIBRARIES) see Catalogs, Card

## CARD SYSTEM IN BUSINESS

Use of billing machines in standard calculations. I. Nemchenok. *Bukhg. uch. i* 22 no. 2:85-72 F '65.

## CARDIA—CANCER

Combination of hernia of the esophageal hiatus and cancer of the superior portion of the stomach. V. B. Antonovich. *Vest. rent. i rad.* 40 no. 1:24-30 Ja-F '65.

Late observations following gastrectomy for cancer of the cardia. I. M. Miloslavskii. *Sov. med.* 28 no. 4:19-22 Ap '65.

## CARDIAC GLYCOSIDES

Effect of preparations, isolated from *Ziziphora Bunge*, on the heart of frogs. F. D. Dzhunagalova, T. A. Saidkhanova. *Trudy Inst. fiziol. AN Kazakh. SSR* 7: 5-7 '64.

Quantitative determination of cardiac glycosides. G. L. Genkina, N. K. Abubakirov. *Uzb. khim. zhur.* 9 no. 1:18-22 '65.

## CARDIAC MASSAGE

Dynamics of the changes in the ECG in resuscitation of dogs by means of direct and external massage of the heart following clinical death caused by ventricular fibrillation. V. I. Tabak. *Biul. eksp. biol. i med.* 50 no. 6:35-10 Je '65.

## CARDIAC NERVES see Heart—Innervation

## CARDIACE, FOSSIL see subdivision under Turkmenistan

## CARDING MACHINES see subdivision under Leninakan

## CARDIOGRAPHY

Study of central hemodynamics by the method of selective quantitative radionuclide diagraphy with the aid of radioactive krypton ( $Kr^{85}$ ). B. E. Votchal and others. *Trudy TSU* 71:35-50 '61.

## CARDIOVASCULAR SYSTEM—DISEASES

Changes in the cardiovascular system in pharyngo-conjunctival fever. E. F. Minluk, T. I. Buzhlevskaya, Sbor. nauch. trud. Inst. infek. bol. no. 4:233-240 '64.

Changes in the cardiovascular system in sporadic influenza. E. F. Minluk, Sbor. nauch. trud. Inst. infek. bol. no. 4:149-152 '64.

Latest results of treating thyrotoxicosis with 6-methyl-thiourea and the state of the cardiovascular system. P. M. Borjak. *Probl. endok. i gorm.* 10 no. 5:48-52 S-O '64.

Neuro-psychic disorders in cardiovascular diseases. R. O. Kuskhli, M. M. Mintovlich. *Trudy Inst. im. N. V. Sklif.* 5 no. 2:76-84 '62.

State of the cardiovascular system in syringomyelia patients. N. P. Orlova, I. N. Alandarov. *Zhur. nevr. i psikh.* 64 no. 11:1036-1040 '64.

Study of central hemodynamics by the method of selective quantitative radionuclide diagraphy with the aid of radioactive krypton ( $Kr^{85}$ ). B. E. Votchal and others. *Trudy TSU* 71:35-50 '61.

## CARGO HANDLING

(see also subdivision under Ul'yanovsk)

The need for a new methodology for determining the indices of planned operation of ports. A. Smutchuk. *Mor. flot* 25 no. 4:12-13 Ap '65.

Prepare the ports for new working methods. Rech. transp. 23 no. 12:1-3 D '64.

Servicing crewless towed craft. V. Pelipenko, V. Bulavin. *Rech. transp.* 23 no. 12:14-15 D '64.

Technology of servicing ships in the river port of Leningrad. N. Galimov. *Rech. transp.* 23 no. 12:45 D '64.

Val'kov, G. P. [Organization of cargo handling; problems and examples.] *Organizatsiia gruzovykh rabot; zadachi i primery.* Moskva, Transport, 1965. 289 p.

## CARICATURE

Markov, A. S. [Using political cartoons in modern history classes; a teacher's manual.] *Ispol'zovanie politicheskikh karikatur na urokakh novoi istorii; posobie dlia uchitelia.* Moskva, Prosveshchenie, 1964. 95 p. (NNG)

## CARIBBEAN SEA—PLANKTON

Quantitative distribution of plankton in the northwestern part of the Caribbean Sea and the Gulf of Mexico. N. S. Khromov. *Trudy VNIRO* 57:381-391 '65.

## CARNOSINE

Participation of carnosine and anserine in the glycolytic and oxidative processes in a muscular tissue. N. P. Meshkova, O. E. Karlyakina. *Biokhimiia* 30 no. 1:88-94 Ja-F '65.

## CAROTENOIDS

(see also subdivision under Baltic Sea)

Carotenoid pigments of mycobacteria and yeast. T. S. Bobkova. *Mikrobiologiya* 34 no. 2:273-277 Mr-Ap '65.

Chromatographic and spectrophotometric studies of carotenoids in the alga *Dunaliella salina* Teod. and determination of their biological activity. I. U. F. Heleskul. *Ukr. biokhim. zhur.* 38 no. 5:773-783 '64.

## CAROTENOIDS—PHYSIOLOGICAL EFFECT

Effect of egg carotenoids on the development of chicks. L. P. Okunilov. *Veterinaria* 41 no. 6:84-86 Je '64.

## CAROTID ARTERY—RADIOGRAPHY

Emergency carotid angiography in closed cranio-cerebral traumas. I. M. Ostrovskaya. *Trudy Inst. im. N. V. Sklif.* 8:110-112 '63.

## CAROTID SINUS—INNERVATION

Role of chemoreceptors and mechanoreceptors of the carotid sinus in the regulation of respiration and arterial pressure. L. I. Ardashnikova. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:10-11 '64.

## CARP—DISEASES AND PESTS

Symptoms of a disease of the air bladder in carp. N. M. Arshantisa. *Veterinaria* 42 no. 6:71 Je '65.

## CARP—PARASITES see Parasites—Carp

## CARPATIAN MOUNTAIN REGION—ALDER

Morphogenesis and growth dynamics of the green alder (*Alnus viridis* D. C.) in the Ukrainian Carpathians. V. G. Kolishchuk. *Biul. MOIP. Otd. biol.* 70 no. 1:103-110 Ja-F '65.

## CARPATIAN MOUNTAIN REGION—ELECTRIC RAILROADS—BRAKES

Electric trains in the Carpathian Mountain Region should be provided with regeneration braking letters to the editor. I. V. Rodnyi. *Elek. i tepl. tizaga* 9 no. 1:28 Ap '65.

## CARPATIAN MOUNTAIN REGION—OIL WELLS—ACIDIZATION

Clay-acid treatment of wells in the Carpathian Mountain region. N. A. Nikolaenko, Z. S. Polikhat. *Neft. i gaz. prom.* no. 2:43-45 Ap-Je '65.

## CARPATIAN MOUNTAIN REGION—PETROLEUM GEOLOGY

Hydrogeological grounds for establishing the oil and gas potential of the convergence band in the inner and outer zones of the Carpathian piedmont fault. L. P. Myshkin, G. N. Lysanyi, V. A. Lozinikii. *Neft. i gaz. prom.* no. 2:5-7 Ap-Je '65.

## CARPATIAN MOUNTAIN REGION—POTASSIUM SALTS

Prospects for finding commercial potassium salt deposits in the cis-Carpathian region. K. D. Donchenko. *Geol. zhur.* 25 no. 2:53-57 '65.

## CARPATIAN MOUNTAIN REGION—SEISMIC PROSPECTING

Seismic zoning of the Soviet part of the Carpathian region. V. I. Antipov. *Izv. AN SSSR. Fiz. zem.* no. 5:67-74 '65.

## CARPATIAN MOUNTAIN REGION—SOIL MICRO-ORGANISMS

Antagonistic properties of actinomycetes in soils of the Carpathian mountain region. S. A. Pavlovich. *Antibiotiki* 10 no. 5:414-418 My '65.

## CARPATIAN MOUNTAIN REGION—WATER, UNDERGROUND

Hydrogeological regionalization of the cis-Carpathian region and some problems in the utilization of underground waters for water supply. A. I. Romanuk. *Geol. zhur.* 25 no. 2:83-89 '65.

## CARPATIAN MOUNTAINS—COPPER ORES

Precise copper mineralization in the Ukrainian Carpathians. H. D. Dosyng. *Geol. zhur.* 25 no. 2:102-103 '65.

## CARPATIAN MOUNTAINS—MICROPALAEONTOLOGY, STRATIGRAPHIC

Colloquium on the micropaleontology of the Stratigraphic Commission of the Carpatho-Balkan Geological Association. I. V. Venhilina'skiy. *Geol. zhur.* 25 no. 2:113-114 '65.

## CARPATIAN MOUNTAINS—ROCKS

Remarks concerning the rocks in the Northern Bukovina Carpathians not commonly found in the Rakhov flysch. P. D. Bukatchuk. *Geol. zhur.* 25 no. 2:109-102 '65.

## CARPATHO-UKRAINE see Transcarpathia

## CARROTS—HARVESTING see subdivision under Germany, East

## CARTILAGE—TUMORS

Paracostal chondromas. V. I. A. Shlapoberskiy, G. V. Mentshinskaya. *Vest. rent. i rad.* 40 no. 2:9-13 Mr-Ap '65.

## CARTOGRAPHY

National Council of the U. S. S. R. Cartographers (NCC) and international cooperation of Soviet cartographers. A. P. Polezhaev. *Izv. AN SSSR. Ser. geog.* no. 3:122-125 My-Je '65.

## CASE HARDENING

Nitriding large parts of worm-driven machinery. V. G. Nechipurenko, O. A. Kokhanova. *Mashinostroenie* no. 2:73-74 Mr-Ap '65.

Nitriding 26Kh5MA steel. I. U. A. Belov, G. M. Markin. *Metalloved. i term. obr. met.* no. 4:53-55 Ap '65.

## CASPIAN LOWLAND—WEEDS

Vegetation of the Caspian and Khachmar Lowlands. M. P. Buzikova. Izv. AN Azerb. SSR Ser. biol. nauk, no. 6, 110-114 '64.

## CASPIAN SEA—BENTHOS

Zoogeographic and phytocenotic trophic zones and marine fauna of the Caspian Sea. I. G. Virogradov, A. A. Neiman. Trud. VNIRO, 57, 425-445 '65.

## CASPIAN SEA—COAST CHANGES

Characteristics of the development of the Caspian coasts during a period of relative sea-level stability. A. I. Khilov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 3, 153-159 '64.

## CASPIAN SEA—HYDROBIOLOGY

Akademii nauk Azerbaidzhanskoi SSR, Baku. Institut zoologii. [Hydrobiological and ichthyological studies in the southern Caspian Sea and inland bodies of water of Azerbaijan.] Gidrobiologicheskii i ikhtologicheskii issledovaniia na Iuzhnom Kaspii i vnutrennikh vodno-makh Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 168 p.

Vsesoiuznoe gidrobiologicheskoe obschestvo. [Change in the biological complexes of the Caspian Sea during the last decades.] Izmenenie biologicheskikh kompleksov Kaspiiskogo moria za poslednie desiatiletia. Moskva, Nauka, 1965. 255 p.

## CASPIAN SEA—HYDROLOGY

Some regularities of the hydrologic regime of the Caspian Sea. S. I. Potashuk. Trudy VNIRO, 57, 113-120 '65.

## CASPIAN SEA—SALINITY

Some regularities of variations in the level and salinity of the northern part of the Caspian Sea over a period of several years. G. N. Zaitsev. Okeanologia, 5, no. 2, 276-285 '65.

## CASPIAN SEA—SEA LEVEL

Characteristics of the development of the Caspian coasts during a period of relative sea-level stability. A. I. Khilov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 3, 153-159 '64.

Effect of storm winds on sea level fluctuation. I. G. Mareedov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 3, 147-151 '64.

Factors affecting changes in the Caspian Sea level. M. I. Abakarov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 1, 111-117 '64.

Some regularities of variations in the level and salinity of the northern part of the Caspian Sea over a period of several years. G. N. Zaitsev. Okeanologia, 5, no. 2, 276-285 '65.

## CASPIAN SEA—WINDS

Effect of storm winds on sea level fluctuation. I. G. Mareedov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 3, 147-151 '64.

## CASPIAN SEA REGION—CLOUDS

Cloudiness and total radiation above the Southern Caspian. R. L. Reifman. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 5, 143-146 '64.

## CASPIAN SEA REGION—FISH PROCESSING PLANTS

Location and specialization of fish processing plants in the Ural-Caspian Sea region. S. Kazhenbaev. Ryb. khoz., 41, no. 5, 83-85 '65.

## CASPIAN SEA REGION—MOLLUSKS, FOSSIL

Materials on the biometric study of the Caspian Quaternary mollusks of the genus *Didacna* Eichwald. E. M. Asadullayev. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 3, 10 '64.

## CASPIAN SEA REGION—SOLAR RADIATION

Cloudiness and total radiation above the Southern Caspian. R. L. Reifman. Izv. AN Azerb. SSR Ser. geol.-geog. nauk, no. 5, 143-146 '64.

## CAST IRON

Engine pistons made from high-strength cast iron. P. I. Zemskov and others. Mashinostroenie, no. 2, 12-14 Mr-Apr '65.

High-silicon malleable cast iron for fittings. V. M. Volkov. Lit. proizv., no. 2, 47 '65.

Wear-resistant cast iron for units subjected to impact loads. V. Avakian. Prom. Arm., 8, no. 4, 42-44 Ap '65.

## CAST IRON—ANALYSIS

Gas content of malleable cast iron. P. N. Bidulia, G. Yu. Shul'te, K. M. Ankab, Lit. proizv., no. 2, 26-27 F '65.

## CAST IRON—HARDENING

Hardening cast-iron sleeve by ball burnishing. E. P. Kobzar'. Vest. mashinost., 45, no. 6, 50-51 Je '65.

## CAST IRON—HEAT TREATMENT

Diffusive redistribution of aluminum during the graphitizing annealing of cast iron. V. G. Perminov, S. A. Dunaeva. Lit. proizv., no. 2, 36-37 F '65.

Effect of moisture content of the regulated atmosphere in the heat treatment of cast iron on its enameling capacity. E. B. Revva. Mashinostroenie, no. 2, 79-81 Mr-Apr '65.

## CAST IRON—METALLOGRAPHY

Character of the microdistribution of cerium in cast iron. A. P. Lubchenko, D. G. Shervan, M. V. Mozhayev, Lit. proizv., no. 3, 49 Mr '65.

Effect of preliminary irradiation and heat treatment on the graphitization of malleable cast iron. V. A. Shalashov. Lit. proizv., no. 2, 25-26 F '65.

Formation of a metastable structure with spheroidal and lamellar forms of graphite in cast iron in the welding process. G. N. Larin, V. V. Bazhenov. Svar. proizv., no. 4, 1-3 Ap '65.

## CAST IRON—METALLURGY

Characteristics of making vanadium cast iron from titanomagnetite ores from the Kachkanar deposit. B. Z. Freidenzen and others. Stal', 25, no. 6, 482-487 Je '65.

Complex inoculant for cast iron. V. D. Chernetskii and others. Mashinostroenie, no. 3, 25-26 My-Je '65.

Conditions for the service of linings of oxygen-blown converters with a capacity of 100-130 tons (Mg) during the conversion of vanadium cast iron. G. V. Golov and others. Stal', 25, no. 5, 537-538 Je '65.

Desulfurization of cast iron in vacuum. N. N. Volkov. Lit. proizv., no. 2, 37-39 F '65.

Developing and mastering the technology of converting vanadium cast iron in oxygen-blown converters with a 100 ton (Mg) capacity. V. T. Arnaudov and others. Stal', 25, no. 5, 501-508 Je '65.

Graphitizing annealing of cerium cast iron. D. N. Khudochimov, V. D. Bolotskii. Lit. proizv., no. 3, 11-12 Mr '65.

Introducing water-cooled steel chill molds for large-scale cast iron castings. I. M. Semchuk and others. Mashinostroenie, no. 3, 27-28 My-Je '65.

Kinetics of gas liberation during the inoculation of liquid cast iron. V. T. Bartsev and others. Lit. proizv., no. 3, 25-27 Mr '65.

Obtaining high-strength cast iron by smelting in cupola furnaces with a mixture of thermostatic and coke. I. V. Liptaga and others. Mashinostroenie, no. 3, 26-27 My-Je '65.

Using induction furnaces in cast-iron shops. V. I. Troianovskii. Mashinostroenie, no. 3, 35-37 My-Je '65.

## CAST IRON—TESTING

Effect of residual stresses on the wear resistance of gray cast iron. V. M. Shapkin. Lit. proizv., no. 2, 35-36 F '65.

Physicochemical and thermophysical properties of cast iron for locomotive diesel engine pistons. A. N. Mirza, B. E. Neimark. Lit. proizv., no. 3, 27-29 Mr '65.

## CAST IRON—WELDING

Formation of a metastable structure with spheroidal and lamellar forms of graphite in cast iron in the welding process. G. N. Larin, V. V. Bazhenov. Svar. proizv., no. 4, 1-3 Ap '65.

## CAST STONE see Stone, Cast

## CASTING, CONTINUOUS see Continuous casting

## CASTLES see subdivision under Kuressaare (Estonia)

## CASTRATION

Development of alimentary hypercholesterolemia in normal and castrated animals of various ages. S. V. Maksimov, I. N. Sharkevich. Probl. endok. i gorm., 10, no. 4, 94-100 Ji-Ag '64.

## CATALASE

Effect of catalase on the growth of a transplanted lymphosarcoma and on some aspects of metabolism. S. E. Manoilov, V. I. Zheludov. Vop. onk., 10, no. 12, 42-44 '64.

## CATALOGS, CARD

Practice in forming branch engineering card catalogs. B. S. Grikurov. NTI, no. 1, 14 '65.

## CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U.S.S.R. Series A: Natural sciences, medicine, agriculture, technology.] Svod. blud. nov. inostr. knig, postup. v bibliot. SSR. Ser. A: Est. nauki, med., sel'. khoz., tekhn. no. 1 '65.

## CATALYSIS

Book on "Cuprocatalysis," S. A. Vartanian. V. S. Arm. SSR Khim. nauki, 17, no. 4, 457-461 '64.

Catalytic activity of  $\gamma$ -irradiated silica gel in homomolecular oxygen exchange. I. A. Mishchenko, G. K. Borezov, V. I. Gorgoradskii. Kin. i kat., 8, no. 1, 170-180 Ja-F '65.

Catalytic conversion of ethanol to butadiene. S. K. Bkhattacharya, N. D. Ganguli, B. N. Avasthi. Kin. i kat., 6, no. 1, 144-148 Ja-F '65.

Catalytic properties of lithium compounds in aqueous solutions. S. I. Ginzburg, M. I. Buzko. Zhur. prikl. khim., 10, no. 4, 823-829 Ap '65.

Catalytic properties of natural mineral antibiotics. M. I. Kudachev. Zhur. prikl. khim., 38, no. 4, 877-881 Ap '65.

Catalytic properties of rare-earth elements in the conversion of n-butane. Kh. M. Minchev, R. B. Khatib. Kin. i kat., 6, no. 1, 84-91 Ja-F '65.

Catalytic reduction of inorganic compounds in a liquid phase by carbon monoxide. A. B. Lannan, V. J. McKov, D. V. Sokol'skii. Zhur. prikl. khim., 38, no. 4, 880-881 Ap '65.

Catalytic properties of rare-earth oxides in hydrogen oxidation. T. T. Bakumenko. Kin. i kat., 6, no. 1, 81-83 Ja-F '65.

Concerning the review by S. Vartanian of the monograph "Cuprocatalysis," O. A. Chulykhin. Izv. AN Azerb. SSR Ser. khim. nauk, 17, no. 4, 462-465 '64.

Contact oxidation kinetics of methanol to formaldehyde on a silver catalyst under pressure. I. P. Kuchanov, V. I. Atchukhenko, I. V. Yucheb, zav. i khim. i tekhn., 8, no. 1, 47-54 '65.

Effect of cathodic and anodic polarization of a catalyst for ammonia synthesis on its activity. Part 2. I. P. Dmitriyenko, S. S. Lashinov, R. F. Slivakova. Kin. i kat., 6, no. 1, 121-127 Ja-F '65.

Effect of the nature of a catalyst on the isomeric composition of cyclohexane. E. P. Babkin, N. Z. Buzhnik, I. I. Sidorenko. Zhur. prikl. khim., 38, no. 1, 80-81 Ap '65.

Electron factor in the kinetics of chemisorption on semiconductors. F. F. Volkovskii, O. P. Pashov. Kin. i kat., 6, no. 1, 95-101 Ja-F '65.

Faradaic impedance of reversible catalytic processes. Part 2: Catalytic evolution of hydrogen from solutions of pyridine,  $\alpha$ -picoline,  $\alpha$ ,  $\beta$ -lutidine, and  $\alpha$ ,  $\beta$ -lutidine. I. A. M. Zolotovskii, G. A. Todoradze, B. I. Khatib. Elektrokhimiia, 1, no. 2, 130-137 F '65.

Kinetics of ammonia synthesis on alloys of iron and cobalt. N. M. Moizov, I. I. Luk'yanov, M. I. Terekhin. Kin. i kat., 6, no. 1, 92-98 Ja-F '65.

Nomograms for determining the parameters of high-temperature conversion of methane with hydrogen under pressure. A. I. Stepanovskiy, I. A. Makarov, I. G. Prashchynskiy. Khim. prom. [Ukr.], no. 2, 18-21 Ap-Je '65.

Reactor for liquid-phase catalytic reactions in thin layers. Z. V. Kim and others. Kin. i kat., 6, no. 1, 174-177 Ja-F '65.

Relation between the catalytic activity of phosphorus catalysts and the conditions of their preparation. A. A. Kalinin, G. B. Kahanov, I. P. Kirillov. Izv. AN Azerb. SSR Ser. khim. i tekhn., 8, no. 1, 88-93 '65.

Unit for the catalytic conversion of natural gas with air without a preheating of initial products. H. I. Prashchynskiy, A. I. Stepanovskiy. Khim. prom. [Ukr.], no. 2, 57-58 Ap-Je '65.

## CATALYSIS—CONGRESSES

Development of research on heterogeneous catalysis, results of the 3d International Congress on Catalysis. G. K. Borezov. Vust. AN SSSR, 35, no. 4, 60-73 Ap '65.

## CATALYSTS

Acetylene polymerization process with a soluble catalyst system based on AlEt<sub>3</sub> and VO (acetyl acetonate). F. M. Nesterov, B. A. Krentsov, B. E. Davydov. Izv. AN SSSR Ser. khim., no. 6, 1009-1010 '65.

Effect of the catalyst on the rate of transamination of polyalkyl cyclohexanones with aliphatic diamines. M. M. Morgunova, D. I. A. Zhukin. Plast. massy, no. 5, 16-17 '65.

Effect of thiophene on the properties of Pd-, Rh-, Ru-, and Pt-Al<sub>2</sub>O<sub>3</sub> catalysts under conditions of cyclohexane dehydrogenation. Kh. M. Minchev, D. A. Kondrat'ev, P. I. Silimov. Izv. AN SSSR Ser. khim., no. 6, 1009-1013 '65.

Hydrogenation of a raw anthracene fraction at 50 atm. pressure on an industrial aluminum-cobalt-molybdenum catalyst. I. A. B. Katsobanov, R. I. Elbert. Zhur. prikl. khim., 38, no. 4, 930-938 Ap '65.

Mixed adsorption catalysts of dehydrogenation. Part 3: Pt-Au/SiO<sub>2</sub> as a catalyst for cyclohexane dehydrogenation. A. A. Alchudzhian, M. A. Mantikian, A. M. Alkhalil. Izv. AN Arm. SSR, Khim. nauki, 17, no. 4, 369-374 '64.

Nature of the active centers in the processes of polymerization in the presence of composite catalysts based on TiCl<sub>3</sub>. L. M. Lanovskaya and others. Vysokom. soed., 7, no. 4, 747-750 Ap '65.

Nickel-palladium mixed catalysts in the electrooxidation of ethylene glycol in alkaline medium. V. S. Daniil-Bek, G. V. Vitvitskii, I. F. Dantonko. Zhur. prikl. khim., 38, no. 4, 806-811 Ap '65.

Polymerization of ethylene in the presence of various composite catalysts based on TiCl<sub>3</sub>. L. M. Lanovskaya and others. Vysokom. soed., 7, no. 4, 741-748 Ap '65.

## CATARACT see subdivision under Azerbaijan

## CATARH

C-reactive protein in influenza and acute catarrh of the respiratory tract. P. M. Pashinin, V. G. Mosin. Zhur. mikrobiol. epid. i immun., 42, no. 3, 126-130 Mr '65.

## CATECHOL

Localization of radioactivity in the tissues of guinea pigs following injection of  $C^{14}$ -catechols into the organism. E. F. Shumil, M. N. Zaporometov. *Biokhimiia* 29 no. 4:697-700 J1-Ag '64.

## CATEGORIES (PHILOSOPHY)

"Wholeness" as a category of materialistic dialectics and its place in the system of categories. L. N. Samoilov, I. F. Zubkov. *Vest Mosk un Ser. 8: Ekon. i filos* 20 no. 2:59-67 M1-Ap '65.

## CATHEPSIN

Study of the specificity of cathepsin in the bovine brain. V. K. Lishko. *Ukr. biokhim. zhur* 37 no. 2:163-168 '65.

## CATHODE RAY OSCILLOGRAPH

Automatic two-beam electronic oscillograph with multiple delayed scanning. V. N. Anokhin, S. E. Lantuk, A. P. Osandchil. *Trudy VNIIE* no. 18:122-127 '64.

## CATHODES

Pulsed emission and thermal conditions of an oxide cathode. A. E. Jorish and others. *Radiotekh. i elektron.* 10 no. 6:1088-1093 Je '65.

Study of the decay of hydrogen overvoltage after the cessation of polarization of lead, cadmium, and bismuth cathodes. U. V. Palhin, V. E. Past. *Elektrokhimiia* 1 no. 5:602-606 My '65.

Thermionic emission of some high melting metals in barium vapors. B. Ch. Diubua. *Radiotekh. i elektron.* 10 no. 6:1161 Je '65.

## CATHODIC PROTECTION

Cathodic corrosion protection. *Energetik* 13 no. 4:20 Ap '65.

Cathodic protection of heat exchangers cooled by sea water. M. S. Trifol' and others. *Zashch. met* 1 no. 2: 245-246 Mr-Ap '65.

## CATIONS

Relation between the adsorption of cations and anions on platinum from acid solutions at different potentials. N. A. Balashova, V. E. Kazarinov. *Elektrokhimiia* 1 no. 5:512-510 My '65.

## CATTLE—DISEASES AND PESTS

(see also subdivision under Uzbekistan)

Enterotoxemia of cattle. K. R. Uguev. *Veterinariia* 41 no. 4:134-38 Ap '65.

Leptospirosis in cattle. A. I. Kononov. *Veterinariia* 41 no. 6:33-34 Je '64.

Leptospirosis of cattle. I. D. Kolesnichenko. *Veterinariia* 42 no. 5:49 My '65.

Nickel-sulfate conjunctivitis in cattle. I. A. Farzalliev, V. D. Safaraliev, G. G. Gaseanov. *Veterinariia* 41 no. 6:25-28 Je '64.

Spring-and-summer fever in cattle. K. P. Susha. *Veterinariia* 41 no. 6:59 Je '64.

Sterility and barrenness in cattle. V. A. Morozov. *Veterinariia* 41 no. 4:80-82 Ap '65.

Treating cattle with theilerias. G. A. Pereponov, P. A. Nechaev. *Veterinariia* 41 no. 6:50-58 Je '64.

Treatment of papillomatosis. P. A. Nechaev. *Veterinariia* 42 no. 5:85-86 My '65.

Treatment of trichophytosis in cattle. N. R. Asanov. *Veterinariia* 42 no. 6:37-39 Je '65.

## CATTLE—FEEDING AND FEEDS

(see also subdivision under United States)

Effectiveness of the use of amide-mineral mixtures in feeding beet pulp to cattle. V. I. Maksakov and others. *Khm. v sel', khoz.* 3 no. 4:66-70 Ap '65.

Ways for the prevention of sterility in cows. V. M. Shcherbakov, L. P. Il'ias, *Veterinariia* 41 no. 6:87-88 Je '64.

## CATTLE—PARASITES see Parasites—Cattle

## CATTLE AS CARRIERS OF DISEASE see subdivision under Uzbekistan

## CAUCASIAN LANGUAGES

Kilmov, G. A. [The Caucasian languages] *Kavkazskie iazyki*. Moskva, Nauka, 1968. 112 p.

## CAUCASIAN LANGUAGES—GRAMMAR, COMPARATIVE

[Dobro-Caucasian linguistics (Dobro-Caucasian)] *Iberiko-kavkazskoe iazykoznanie (Dobro-Caucasian)*. Tbilisi, Izd-vo "Metaniereba," [in Georgian and Russian] Vol. 14. 1964. 394 p.

## CAUCASUS—DESCRIPTION AND TRAVEL

Ljubeckis, M. [From the Elbrus to the Caspian Sea] *Nuo Elbruso iki Kaspijos*. Vilnius, Vaga, 1964. 221 p. illus. [in Lithuanian]

## CAUCASUS—EPIDIOSE

Epidioses of the South Dzhikasan iron ore deposit. Dzh. A. Azadalliev. *Izv. AN Azerb. SSR, Ser. geol.-geog. nauk* no. 5:55-63 '64.

## CAUCASUS—GEOLOGY, STRUCTURAL

New data on the structure of the main range of the central Caucasus. G. I. Baranov, I. I. Chernov. *Izv. AN SSSR Ser. geol.* 30 no. 6:64-71 Je '65.

Some characteristics of the relations between igneous activity and the tectonics of the crystalline core in the main range of the Greater Caucasus. M. L. Sorin. *Geotekhnika* no. 3:61-76 My-Je '65.

## CAUCASUS—HEALTH RESORTS, WATERING PLACES, ETC.

For excellent service and treatment. G. Shakhov. *Okhr. truda i sots. strakh* 6 no. 4:20 Ap '65.

## CAUCASUS—HISTORY

Norsislan, M. G. [Patriotic War of 1812 and the peoples of the Caucasus] *Otechestvennaya volna 1812 goda i na ody Kavkaza*. Erevan, Izd-vo AN Armianskoi SSR, 1965. 415 p.

## CAUCASUS—MEDICAL SOCIETIES

Achievements of the medical science in Azerbaijan and its relations with the Caucasus Medical Society, on the 100th anniversary of the Caucasus Medical Society. D. IU. Guseinov. *Azerb. med. zhur* 42 no. 3:86-88 Mr '65.

## CAUCASUS—MINERAL WATERS

Some characteristics of the chemistry and distribution of carbonated waters in the Trussov ravine of the Caucasus. O. N. Egorov. *Izv. AN SSSR, Ser. geol.* 30 no. 6:95-108 Je '65.

## CAUCASUS—NATIONALITIES

Propaganda of the ideas of friendship among peoples during the period of the battle for the Caucasus. I. V. Davydov. *Vop. int. KPSS* 9 no. 7:72-82 J1 '65.

## CAUCASUS—ROCKS, CARBONATE

Mesozoic and Cenozoic clay rocks containing carbonates in the western Caucasus and the paleoclimatic conditions governing their accumulation. E. S. Larskaya. *Lit. i pol. iskop.* no. 2:123-133 Mr-Ap '65.

## CAUCASUS—RUNOFF

Maximum runoff of the spring and summer floods in rivers in the northeastern part of the Lesser Caucasus. N. G. Gadzhiev. *Izv. AN Azerb. SSR, Ser. geol.-geog. nauk* no. 5:139-141 '64.

## CAUCASUS—WORLD WAR, 1939-1945

Propaganda of the ideas of friendship among peoples during the period of the battle for the Caucasus. I. V. Davydov. *Vop. int. KPSS* 9 no. 7:72-82 J1 '65.

## CAUCASUS, NORTHERN—AGGREGATES (BUILDING MATERIALS)

Sokolov, I. V. [Ways of developing the manufacture of cellular aggregates in the Northern Caucasus] *Puti razvitiia proizvodstva poristyykh zapolnitel' na Severnom Kavkaze*. Rostov-na-Donu, Rostovskii Promstrolniproekt, 1964. 24 p.

## CAUCASUS, NORTHERN—ETHNOLOGY

Changes in the national composition of the urban population of Northern Caucasus during the years of the Soviet regime. N. G. Volkova. *Sov. etn.* no. 2:40-56 Mr-Ap '65.

## CAUCASUS, NORTHERN—FREIGHT AND FREIGHTAGE

Improvement of transportation conditions in Northern Caucasus. K. A. Tugengol'd. *Zhel. dor. transp* 47 no. 6:87-91 Je '65.

## CAUCASUS, NORTHERN—FRUIT CULTURE

Concentration and specialization of farms in fruit and vegetable growing. M. S. Rodionov and others. *Kons. i ov. prom.* 20 no. 3:25-29 Mr '65.

## CAUCASUS, NORTHERN—GAS INDUSTRY

Development of the gas industry of the Northern Caucasus. A. G. Zedov. *Gaz. prom.* 10 no. 5:3-6 '65.

## CAUCASUS, NORTHERN—GRASSES—FERTILIZERS AND MANURES

Effectiveness of phosphorus fertilizers in mountain meadows of the Northern Caucasus. A. A. Zotov. *Khm. v sel', khoz.* 3 no. 5:11-14 My '65.

## CAUCASUS, NORTHERN—INDUSTRIAL MANAGEMENT

Practice in saving and replacement of not easily available nonferrous metals and alloys in the enterprises of North Caucasus Economic Council. R. I. Kechev, L. I. Litvin. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5:59-62 My '65.

## CAUCASUS, NORTHERN—MOLLUSKS, FOSSIL

New Miocene Clausenitidae in Ciscaucasia. I. M. Likharev, A. A. Stekov. *Paleont. zhur.* no. 2:128-133 '65.

## CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Nalivkin, V. D., and others. [Comparative analysis of the oil and gas potential and the tectonics of the West Siberian and Turan-Soythian platforms] *Sravnitel'nyi analiz neftegazovosti i tektoniki Zapadno-Sibirskoi i Turano-Soythskoi plit.* Leningrad, Nedra, 1965. 322 p. (Leningrad, Vsesoluznyi neftefani nauchno-issledovatel'skii geologorazvedochnyi institut. *Trudy*, no. 238)

## CAUCASUS, NORTHERN—PYRITES

Method for sampling one of the pyrite deposits in the Northern Caucasus. V. P. Abashkin. *Uch. zap. MOPI* 124:335-336 '63.

## CAUCASUS, NORTHERN—RAILROADS—EMPLOYEES

Exemplary section. A. A. Evushchevskii. *Puti i put. khoz.* 9 no. 3:36 '65.

## CAUCASUS, NORTHERN—VEGETABLE GARDENING

Concentration and specialization of farms in fruit and vegetable growing. M. S. Rodionov and others. *Kons. i ov. prom.* 20 no. 3:25-29 Mr '65.

## CEDAR see subdivision under Altai Mountains

## CELESTIAL MECHANICS see Mechanics, Celestial

## CELL DIVISION (BIOLOGY)

Synchronous multiplication of microorganisms as a method of studying their biology; a review of literature. I. A. Baan'ian. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:85-89 F '65.

## CELL DIVISION (BIOLOGY)—CONGRESSES

Fourth Conference on Problems of Regeneration and Cell Division. L. D. Liozner, L. K. Romanova, T. B. Timashkevich. *Usp. sovr. biol.* 59 no. 3:487-490 My-Je '65.

## CELL NUCLEI

Possibility for identifying nucleoids in the cells of bacteria as related to the age of their cultures. A. A. Imshenetskiy, G. K. Zhil'tsova. *Mikrobiologiya* 34 no. 2:305-312 Mr-Ap '65.

## CELLULAR PATHOLOGY see Pathology, Cellular

## CELLULAR THERAPY

Effect of introducing cells of bone marrow and the spleen in irradiated and influenza-infected mice on their survival and anti-influenza immunity. O. P. Lebedeva. *Sbor. nauch. trud. Inst. infek. bol.* no. 4: 114-122 '64.

## CELLULOSE

Thermophilic cellulase-producing fungus *Aspergillus fumigatus*. L. G. Loginova, Zh. Tashpulatov. *Mikrobiologiya* 34 no. 2:258-264 Mr-Ap '65.

## CELLULOSE

Action of the primary aliphatic amines on the structure and reactivity of cotton cellulose fibers. N. I. Klenkova and others. *Zhur. prikl. khim.* 38 no. 4:910-925 Ap '65.

Digestibility of cellulose in the rumen of ruminants in connection with their age. T. U. Izmailov, A. Urazgaliev. *Izv. AN Kazakh. SSR, Ser. biol. nauk* 3 no. 1: 103-105 Ja-F '65.

Photoelastic effect in swollen cyanocetylirityl cellulose. V. N. TSvetkov and others. *Vysokom. soed.* 7 no. 4: 609-614 Ap '65.

Simplified method for determining the degree of polymerization of alkali cellulose. A. G. Iashmakova, E. M. Konovalova, T. P. Belashova. *Khim. volok.* no. 2:31-33 '65.

Studying the water yield of cellulose suspensions. B. A. Gasyuk, K. A. Dolgov. *Bum i der. prom.* no. 2:35-39 Ap-Je '65.

## CELLULOSE ACETATES—OPTICAL PROPERTIES

Dynamic and optical properties of acetyl cellulose gels in benzyl alcohol. L. S. Gembitskiy, S. A. Glikman. *Koll. zhur.* 27 no. 2:172-177 Mr-Ap '65.

## CELLULOSE ETHERS

Synthesis of silicon-containing cellulose ethers. N. V. Ivanov, Z. A. Rogovin, Nguyen Vin' Chi. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 8 no. 1:124-126 '65.

## CEMENT

(see also subdivision under Ukraine)

Buit, I. U. M. [Technology of cement and other binding materials] *Tekhnologiya tsementa i drugikh viazushchikh materialov*. Izd. 4., perer., 1 dop. Moskva, Stroizdat, 1964. 351 p.

Charge of particles of cement in aqueous suspensions. A. E. Sheikin. *Trudy MIIT* no. 191:152-153 '64.

Effect of warm moist processing and the fineness of the grinding of the cement on the structure and characteristics of the cement stone. A. E. Sheikin, N. I. Oleimkova. *Trudy MIIT* no. 191:63-84 '64.

Moscow, *Inzhenerno-stroitel'nyi institut*. [Improving the properties of cements and concretes by the addition of synthetic products from petroleum chemistry; a contribution to the problems of using chemical resources in construction] *Uлучshenie svoystv tsementov i betonov dobavkami sinteticheskikh produktov neftekhimii; k voprosam khimizatsii stroitel'stva*. [By] M. I. Khigero-vich i dr. Moskva, 1964. 38 p. (Doklady na XXIII nauchno-tekhnicheskoi konferentsii)

Physicochemical nature of the expansion of nonshrinking and expanding cements during hardening. A. E. Sheikin, T. IU. Akub. *Trudy MIIT* no. 191:5-82 '64. Special cements for hydraulic engineering concrete. A. E. Sheikin. *Trudy MIIT* no. 191:85-109 '64. Strength of cement stone during prolonged heating at a temperature of 155° C. A. E. Sheikin. *Trudy MIIT* no. 191:110-118 '64.

## CEMENT-STORAGE

Substantiation of the economic expediency of establishing cement storage centers in large transport terminals  
A. P. Kazakov Trudy GIVT no. 49 3-17 '63

## CEMENT-TRANSPORTATION

Possibilities of reducing the shipping costs of cement.  
A. Kaplan, Rech. transp. 23 no. 12 7-8 D '64.  
Substantiation of the economic expediency of establishing cement storage centers in large transport terminals  
A. P. Kazakov Trudy GIVT no. 49 3-17 '63

## CEMENT CLINKERS

Hydration of aluminum-containing clinker minerals in the presence of potash  
I. U. M. But, V. M. Kolbasov, A. V. Lagoda, Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 111-117 '65.

## CEMENT INDUSTRIES

(see also subdivision under Iskitim, Novosibirsk Province)

Bernshteyn, L. A. [New developments in the technology of working and transporting raw materials in the cement industry] Novoe v tekhnologii pererabotki i transportirovaniya syrya v tsementnoi promyshlennosti, Moskva, Stroiizdat, 1965, 191 p.

## CEMENT PLANTS see subdivision under Ul'yanovsk

## CEMENTATION (METALLURGY)

Kinetics of copper cementation with iron from  $CuCl_2$  solutions  
M. L. Episkoposyan, Izv. AN Arm SSR Khim. nauki 17 no. 4:447-456 '64.

Removing impurities from zinc sulfate solutions with production of high-quality white vitriol  
A. K. Evdokimova, A. I. Migina, TSvet. met., 38 no. 3:37-42 Mr '65.

## CENTRAL AMERICA—POLITICS

Current events, Nov. vrem., 23 no. 26:10-11 Je '65.  
Integration under U. S. aegis, A. Kartsev, Moshdunar. zhizni 12 no. 6:108-109 Je '65.

## CENTRAL ASIA see Asia, Central

## CENTRAL ASIA, SOVIET see Soviet Central Asia

## CENTRAL CHERNOZEM REGION—AGRICULTURE

Conservation of moisture as the main factor in the system of agriculture, I. A. Skachkov, Zemledelie 27 no. 5:22-28 My '65.

## CENTRAL CHERNOZEM REGION—CORN (MAIZE)

Strip planting of corn, I. F. Kruszer, Zemledelie 27 no. 5:48-50 My '65.

## CENTRAL CHERNOZEM REGION—FRUIT CULTURE

Size of fruit growing brigades on state fruit farms in the Central Chernozem zone, L. B. Ermakov, Sbor nauch. rab. NIIsud., no. 10:35-39 '64

## CENTRAL CHERNOZEM REGION—GRASSES—FERTILIZERS AND MANURES

Problem of increasing the productivity of meadow sulfate-soda Solonchets soils, I. B. Godunov, Pochvovedenie no. 3:82-83 Mr '65.

## CENTRAL CHERNOZEM REGION—INDUSTRIAL MANAGEMENT

In the economic laboratories of the Central Chernozem Economic Council, L. B. Presniakov, Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:69-71 Ap '65.

## CENTRAL CHERNOZEM REGION—SOLONCHETZ SOILS

Problem of increasing the productivity of meadow sulfate-soda Solonchets soils, I. B. Godunov, Pochvovedenie no. 3:82-83 Mr '65.

## CENTRAL CHERNOZEM PRESERVE—SPIDERS

Ecology of spiders of the central forest steppe  
V. E. ... 44 no. 4:527-536 '65.

## EM REGION—STATE FARMS—

cult farms in  
makov, Sbor.

## CERAMIC INDUSTRIES see subdivision under Armenia

## CERAMIC MATERIALS

Resistance to abrasive wear of ceramic coatings on metals  
K. P. Azarov, N. S. Demchenko, Stek. i ker., 22 no. 6:16-18 Je '65

## CERAMIC MATERIALS—TESTING

Effect of water and high-parameter steam on structural ceramic materials, P. P. Budnikov, M. A. Matveev, F. I. A. Kharitonov, Fiz.-khim. mekh. mat. 1 no. 2: 225-230 '65.

## CERAMIC METALS—TESTING

Wear testing stand for ceramic-metal antifriction materials at high sliding friction rates  
N. C. Ponomarenko Vest mashinost. 45 no. 5:33-34 My '65

## CERAMIC PLANTS see subdivision under Goltysno (Moscow Province)

## CERAMICS

Mechanism of the formation of zirconium-silicon-vanadium and certain other ceramic pigments  
A. S. Bystrikov, Stek. i ker. 22 no. 6:5-8 Je '65

Results of the testing of ceramic filters, V. A. Zambrovskii, Sakh. prom., 39 no. 5:15-19 My '65.

Using perillite in ceramic coloring, L. I. Cherepanina, Stek. i ker., 22 no. 6:12-13 Je '65.

## CERAMICS—CONGRESSES

Conference on the exchange of practices in the mechanization and automation of ceramic and porcelain-finance manufacture  
N. I. A. Gosin, Stek. i ker. 22 no. 6:46-47 Je '65

## CEREAL PRODUCTS

Nutritive value of dietetic powdered cereals, O. I. Babicheva, N. F. Krokshina, Kons. i ov. prom., 20 no. 3:11 Mr '65.

## CEREBELLUM

Effect of phylogenetically different structures of the cerebellum in cats on extensor monosynaptic reactions, R. A. Grigor'yan, Fiziol. zhur., 51 no. 6:693-702 Je '65.

Impaction of the cerebellum in the foramen occipitale magnum in some diseases of the brain, G. N. Mirotvorskaia, Zhur. nevr. i psikh. 65 no. 6:828-831 '65.

## CEREBELLUM—DISEASES

Cerebellar syndrome in tumors of the brainstem, A. A. Shutoy, Zhur. nevr. i psikh., 65 no. 6:817-820 '65.

## CEREBELLUM—TUMORS

Neuroepithelioma of the cerebellum, V. S. Prokopchuk, Zhur. nevr. i psikh., 65 no. 6:810-813 '65.

## CEREBRAL CORTEX

Adrenergic structures of the pia arteries and their relations to the cerebral cortex  
K. Uman, B. Fal'k G. I. Mchedlishvili, Biul. eksp. biol. i med., 59 no. 6 98-101 Je '65.

Analysis of neurochemical mechanisms of the ascending activation of the cerebral cortex in cats during reactions of various biological types, A. I. Turenko Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:100-101 '64

Analysis of the interaction of evoked potentials and background bioelectrical activity of the cerebral cortex in rabbits, A. I. A. Supin, Zhur. vys. nerv. deiat., 14 no. 6:1057-1068 N-D '64.

Characteristics of the functional properties of individual neurons of the somatosensory cortex in adult rabbits and cats, N. N. Vasilievskii, Zhur. vys. nerv. deiat., 15 no. 3:529-538 My-Je '65.

Characteristics of the polarization of the cerebral cortex according to the degree of impedance and demarcation potential in dogs of various ages, I. I. Gokhblit Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:35-38 '64.

Comparative evaluation of evoked potential of the sensorimotor cerebrocortical region in various forms of electrographic activation, M. M. Bantsekin, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:19-20 '64.

Corticovisceral correlations in the acute period of gastric ulcer in elderly persons, D. A. Arapov, E. S. Lokshina, Trudy Inst. im. N. V. Sklif., 9:151-160 '63.

Effect of adrenaline on the nervous mechanisms of the orienting reflex, E. A. Kostandov, Zhur. vys. nerv. deiat., 14 no. 6:975-983 N-D '64.

Effect of serotonin on evoked potentials of the visual cortex in rabbits, V. N. Provodina, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:73-74 '64.

Effect of the stimulation of the brainstem and motor cortex on the activity of neurons of the spinal cord, A. I. Shapovalov, E. B. Arushanian, Fiziol. zhur., 51 no. 6:870-880 Je '65.

Electrophysiological characteristics of synaptic organizations of the cerebral cortex following food stimulation  
K. V. Sudakov Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:96-97 '64.

Facilitation of primary cortical responses under the influence of impulses from inflammatory foci, L. N. Smolin, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:86-87 '64

Formation of functional systemic connections in the cortex and subcortex during the process of the development of conditioned reflexes  
A. I. Shumilina Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:114 '64

Functional structure of the cortical terminal of a visceral analyzer  
A. N. Soyvetov Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:90-91 '64.

Functional state of the cortical analyzers in hyper-tension, E. S. Lokshina Trudy Inst. im. N. V. Sklif., 5 no. 2:55-68 '62.

Interaction of the hypothalamus and the reticular formation of the mesencephalon and thalamus in the mechanism of the selective ascending activation of the cerebral cortex in a state of physiological starvation, K. V. Sudakov, Fiziol. zhur., 51 no. 4:449-458 Ap '65.

Relation of morphological structures to histochemical properties of the sensorimotor cortex in rabbits during the period of formation of the negative phase of evoked potentials in early ontogeny, I. A. Chernyshovskaya Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:108-109 '64.

Relation of the background activity of neurons of the somatosensory cortex and the characteristics of their functional organization, N. N. Vasilievskii, Fiziol. zhur., 51 no. 6:711-718 Je '65.

Relationship between the background impulse activity of cortical neurons and phases of the electrocorticogram  
N. N. Vasilievskii, Biul. eksp. biol. i med., 59 no. 6:3-7 Je '65.

Studies on physiological properties of synaptic systems of the cerebral cortex  
P. K. Anokhin, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:9 '64

## CEREBRAL HEMORRHAGE see Apoplexy

## CEREBROSPINAL FLUID—ANALYSIS

C-reactive protein in the cerebrospinal fluid and blood serum in infectious psychoses, S. I. Kogan, A. G. Shvedskaya, Zhur. nevr. i psikh., 65 no. 6:883-887 '65.

## CEREBROSPINAL FLUID—MICROBIOLOGY

Isolation of PPLO, L-forms and heteromorphous forms of bacterial growth from the cerebrospinal fluid of patients with purulent meningitis, G. I. A. Kagan, E. I. Koptelova, V. I. Pokrovskii, Zhur. mikrobiol., epid. i immun., 42 no. 2:105-110 F '65.

## CEREBROSPINAL MENINGITIS see Meningitis, Cerebrospinal

## CEREBROVASCULAR DISEASE

Bioelectrical activity of the cerebral cortex and the characteristics of psychopathological disorders in some forms of cerebrovascular lesions, F. A. Leibovich, M. G. Shehirina, Zhur. nevr. i psikh., 65 no. 6:874-882 '65.

Clinical aspects and treatment of epilepsy specified by arteriovenous aneurysm of cerebral vessels, B. M. Rachkov, Zhur. nevr. i psikh., 64 no. 11:1641-1642 '64.

Clinical characteristics of disorders of the motor analyzer in vascular foci of the right hemisphere of the brain, G. P. Gubina, Zhur. nevr. i psikh., 64 no. 11:1618-1625 '64.

## CERIUM

Character of the microdistribution of cerium in cast iron, A. P. Ljubchenko, D. G. Sherman, M. V. Mosharov, Lit. prozv., no. 3:48 Mr '65.

Complex compounds of trivalent cerium and trivalent europium with tartaric acid, A. V. Stepanov, V. P. Shvedov, A. P. Rozhnov, Zhur. neorg. khim., 10 no. 6:1379-1387 Je '65.

Electromigration method for studying hydrolysis of cerium (III) in nitric acid solutions, A. V. Stepanov, V. P. Shvedov, Zhur. neorg. khim., 10 no. 4:1000-1002 Ap '65.

Resonance scattering of gamma quanta on  $Ce^{140}$  nuclei, R. B. Begzhanov, A. A. Islamov, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 2:67-71 '65.

## CERIUM CHLORIDES

System  $CeCl_3 - CsCl - H_2O$  at 25°C, I. N. Beliaev, Le T'lik Zhur. neorg. khim. 10 no. 6:1229-1232 My '65.

## CERIUM COMPOUNDS

Preparation and properties of hydrogen aquaethylenediaminetetraacetate (III), N. P. Kusakina, E. M. Iakimets, Zhur. neorg. khim., 10 no. 4:1013-1014 Ap '65.

Preparation and properties of the sodium salt of Ce(III) ethylenediaminetetraacetate, N. P. Kusakina, E. M. Iakimets, Zhur. neorg. khim., 10 no. 4:1010-1012 Ap '65.

Trivalent cerium acetate compounds, L. A. Pospelova, T. F. Zaitseva, Zhur. neorg. khim., 10 no. 6:1087-1105 My '65.

## CERIUM OXIDES

Some properties of fused ceramics from cerium dioxide, F. A. Akopov, D. N. Polubotarinov, Ogneupory 30 no. 4:137-42 '65.

#### CERULOPLASMIN

Preparation of two isoceruloplasmins of swine serum.  
H. P. Naashko Ufa. biokhim. zhur 37 no 2:231-238  
'65

#### CESIUM CHLORIDE

System  $\text{CsCl}_3 - \text{CsCl} - \text{H}_2\text{O}$  at 25°C. I. N. Bellaev,  
Le T'uk Zhur neorg. khim 10 no 5:1229-1232  
My '65.

#### CESIUM CHROMATES

System  $\text{Na}_2\text{Cr}_2\text{O}_7 - \text{Cs}_2\text{Cr}_2\text{O}_7 - \text{H}_2\text{O}$  at 28° and 50°C  
I. V. Shakhno, V. D. Plushchev, E. M. Avzhileva Zhur  
neorg khim 10 no 5:1237-1240 My '65.

#### CESIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Distribution of  $\text{Cs}^{137}$  following its intratracheal adminis-  
tration G. K. Kozlov Med. rad 10 no 3:61-60 Mr  
'65

#### CESIUM IN THE BODY

Indirect determination of the content of  $\text{Cs}^{137}$  in the  
human body P. V. Ramzaev and others Med rad 10  
no.6:22-28 Je '65

Method for the determination of  $\text{Cs}^{137}$  in bone tissue.  
M. M. Goluvina and others Med rad 10 no 3:78-80  
Mr '65.

#### CESTODA see subdivision under Tsimlyansk Reservoir

#### CHAIANOV, SOKRAT KONSTANTINOVICH, 1804-1905

Sokrat Konstantinovich Chaiyanov, I Siniagin, Vest,  
est'khor nauki 8 no 8:155 Ag '63

#### CHAIKOVSKII, PETR IL'ICH, 1840-1903

Khaiayev in "Queen of spades," Vlach, Anufliev, Teatr  
26 no 5:83-97 My '65

M. Chaikovskii to V. Komarova-Stasova, Sov. muz., 20  
no 5:37-38 My '65.

Marina Semenova in ballets by Chaikovskii, Svetlana  
Ivanova, Teatr 26 no 5:98-104 My '65

"Supporter of the Moscow Conservatory," I. Kunina,  
Sov. muz., 29 no.5:35-37 My '65.

Two interviews, S. K., V. Protopopov, Sov. muz., 29  
no 5:30-35 My '65.

#### CHAIN-TRACK VEHICLES see Tracklaying vehicles

#### CHAIRS see subdivision under Lvov; Ukraine

#### CHALCID FLIES

Agonaspis and Hyponomeuta malinellus L. R. Karavaeva,  
Zashch. rast. ot vied. i bol 10 no 4:46-47 '65.

#### CHALCOGENIDES—PHOTOELECTRIC PROPERTIES

Purity and induced photoconductivity of  $\text{Te}_2\text{Se}$ ,  $\text{As}_2\text{Te}_3$   
chalcogenide glasses. B. T. Kolomolets, T. N. Mamontova,  
G. I. Stepanov, Fiz tver. tela 7 no 6:1630-1633 Je  
'65.

#### CHALK—DRYING

Effectiveness of the introduction of a drum-type dryer  
for salt and chalk at mixed feed plants IU. Golandskii,  
Muk -elev prom 31 no 2:16-17 F '65.

#### CHAMBER MUSIC—HISTORY AND CRITICISM

Ratskaja, T. S. [Soviet chamber music] Sovetskaja  
kamernaja muzyka, Moskva, Izd-vo "Znaniye," 1965,  
79 p. (Narodnyi universitet; Fakul'tet literatury i iskus-  
stva, no. 3)

#### CHAMBER ORCHESTRA see subdivision under Moscow, Rumania

#### CHARACTERS AND CHARACTERISTICS IN LITERATURE

Ukhanov, I. P. [Fictional images in the works of V. I.  
Lenin] Obrazy khudozhestvennoi literatury v trudakh  
V. I. Lenina, Moskva, Polizdat, 1965. 294 p.

#### CHATKAL RANGE—COPPER ORES

Devonian red formation in the Chatkal-Kurama Moun-  
tains and its copper potential. M. A. Akhmedzhanov  
and others, Zap. Uz. otd. Vses. min. ob-va no. 16:114-  
121 '64.

#### CHEBOKSARY—TEXTILE FACTORIES

When the construction assembly line is broken. L. Va-  
siliev, Na stroi. Ros. 6 no. 6:26-27 Je '65.

#### CHECKERS

Gorodetskii, V. B. [Moves in the midgame] Bor'ba v  
sredine partii, Moskva, Fizkul'tura i sport, 1965,  
78 p. (Biblioteka nachinalushchego shahista)

#### CHECKS

(see also subdivision under Petrikov District).  
Some problems in the organization of payments by checks.  
K. Khuchnikov, Den. i kred. 23 no. 6:38-41 Je '65.

#### CHEESE

Barkan, S. M., Z. S. Sokolova, and L. V. Slutova,  
[Characteristics of the technology for the making of  
rindless cheese] Osobennosti tekhnologii proizvodstva  
beskorokovykh syrov, Moskva, Tsentr. in-t nauchno-  
tekh. informatsii pishchevol. promyshl., 1965. 38 p.  
[MICROFILM]

#### CHEKHOV, ANTON PAVLOVICH, 1860-1904

New problems of repetition of the old? A. Chudakov,  
Vop. lit. 9 no. 6:216-222 Je '65

Return of Chekhov: "Three sisters" performed in the  
M. Gor'kii Great Theater of Drama in Leningrad  
K. Rudnikii, Teatr 26 no. 5:35-35 My '65

#### CHEKHOV, ANTON PAVLOVICH, 1860-1904—MUSEUMS, RELICS, ETC.

The twenty-eight of July in Yalta, ... A. Svobodin,  
Teatr 26 no. 1:103 Ja '65.

#### CHELATES

Chelate compounds with optically active ligands, Part 4.  
Copper and nickel chelates with hydroxynaphthalaldehyde  
and hydroxyketones. A. P. Turent'ev and others  
Zhur. ob. khim. 35 no. 6:1104-1110 Je '65.

Effect of histidine and other chelating agents on the  
activity of 3-phosphoglycerate dehydrogenase  
from the muscles of a rabbit. N. K. Nagradova, Bio-  
khimika 30 no. 1:50-57 Ja-F '65.

Mixed cyclocomplex formation in the system thorium (IV)-  
cupferron-4'-nitro-2, 2'-dihydroxy-4-methyl-5-  
isopropylphenylene V. M. Dzomko, N. P. Rudenko,  
I. N. Kriemenskaja Trudy IREA no 25:172-182 '63.

New cases of the extraction of mixed chelates. V. M.  
Dzomko, Trudy IREA no 25:183-186 '63.

Synthesis of extraction agents forming colored mixed  
chelates. V. M. Dzomko, K. A. Dunsevskaja Trudy  
IREA no. 25:187-190 '63.

#### CHELATES—OPTICAL PROPERTIES

Study of the anomalous dispersion of the optic rotation  
of metal chelates of aldimines of  $\alpha$ -amino acids and  
their derivatives as a method of determining configura-  
tion of the asymmetric center. IU. M. Torchinskii,  
L. G. Koreneva, Biokhimiia 30 no. 1:38-44 Ja-F '65.

#### CHELYABINSK—ARCHITECTURAL METALWORK

Economic calculations are the base of production improve-  
ment. D. Faiber, Ekonom. stroi. no. 5:30-32 My '65.

#### CHELYABINSK BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Work practices with the OMKT complex in the Chelya-  
binsk Basin. F. F. Kuznikov, V. I. Matantsev, V. T.  
Gorlov, Ugol' 40 no. 5:58-59 My '65.

#### CHELYABINSK PROVINCE—CAPITAL

Analysis of the economic efficiency of capital assets.  
A. Gol'd, Den. i kred. 23 no. 6:56-58 Je '65.

#### CHELYABINSK PROVINCE—FIRES AND FIRE PREVENTION—STUDY AND TEACHING

Students work on probation. A. Khromov, Porh. deto  
no. 5:27 My '65

#### CHELYABINSK PROVINCE—INDUSTRIAL HYGIENE

When an inspector becomes an organizer. V. Antipin,  
Okhr. i uda i sots. strakh. 8 no. 5:7 My '65.

#### CHEMICAL APPARATUS

Automation of the technological process of the synthesis  
of higher alcohols. V. P. Kuzin, Khim. prom. 41  
no. 5:369-374 My '65.

Calculating the tuning parameters of the system for the  
automatic control of alcohol evaporation. B. Z. Barla-  
sov, L. A. Belkin, L. M. Pin, Khim. prom. 41 no. 5:  
368-368 My '65.

Design of a contact apparatus with internal heat exchange  
as the object of automatic regulation, IU. Sh. Matros,  
V. S. Beikov, Khim. prom. 41 no. 5:357-361 My '65.

Dynamics of the regulation of the processes in the  
preparation of solutions in viscous production. A. Z.  
Grischenko, G. L. Bondarenko, Khim. volok. no. 2:  
39-42 '65.

Heating chambers for acid aggressive media with pipes  
made from ATM-1 graphite plastics. K. D. Loslevskiy,  
Khim. prom. [Ukr.] no. 2:30-40 Ap-Je '65.

Minimium spraying density of film apparatus, I. I.  
Chornobyl'skiy, E. G. Voronitsyn, Khim. prom. [Ukr.]  
no. 2:54-56 Ap-Je '65.

Studying the heat transfer in vapor condensation in the  
channels of plate heat exchangers. L. L. Tovyshnian-  
skiy, L. M. Kovalenko, A. R. Iastrebenetskiy, Khim.  
prom. [Ukr.] no. 2:40-41 Ap-Je '65.

Use of faolite for the manufacture of hydrolyzers for the  
production of alcohols by means of sulfuric acid hydra-  
tion. V. N. Kozlov, P. V. Troshina, Khim. prom. 41  
no. 5:366-367 My '65.

#### CHEMICAL APPARATUS—WELDING

Technology of electric slag welding of petroleum refin-  
ing and chemical apparatus without normalization.  
A. M. Makara and others, Avtom. svar. 18 no. 5:  
11-16 My '65.

#### CHEMICAL BONDS

Akhmetov, N. S. [Chemical bond. Formation and struc-  
ture of molecules] Khimicheskaya svyaz! Obrazovanie  
i struktura molekul, Kazan', Kazanski khimiko-  
tehnologicheskii in-t, 1964. 80 p. (Uchebno-metod-  
cheskie materialy po kursu neorganicheskoi khimii)  
[MICROFILM]

Approximate theoretical or (semiempirical) analysis of  
vibrations of SCN coordination groups IU. A. Kharilo-  
nov, G. V. TSintadze, M. A. Porai-Koshits, Zhur  
neorg. khim. 10 no 4:792-801 Ap '65.

Conference on the nature of metallic phases and the  
character of their chemical bonding. L. A. Petrova,  
Izv. AN SSSR, Neorg. mat. 1 no. 3:447 Mr '65.

Kinetics and mechanism of addition of hydrogen iodide to  
multiple carbon-carbon bonds in organic solvents.  
Part 4: Addition of hydrogen iodide to dimethyl ester of  
acetylenedicarboxylic acid in toluene, chlorobenzene,  
and hexane G. F. Dvorko, D. A. Shilov, Kin i kat. 6  
no 1:37-40 Ja-F '65

Kiprianov, A. I. [Introduction to the electron theory of  
organic compounds] Vvedenie v elektronnyu teoriiu  
organicheskikh soedinenii, Kiev, Naukova dumka,  
1965. 177 p.

"Nature of chemical bond" by E. M. Shustorovich.  
A. A. Levin Zhur. neorg khim 10 no 5:1268-1269  
My '65.

#### CHEMICAL COMPOUNDS—THERMODYNAMICS

Approximation of tables for thermodynamic functions of  
individual substances. V. L. Klimov, IU. I. Bakhtin,  
G. V. Ivanova, Izv. vys. ucheb. zav., khim. i khim. tekhn.  
8 no. 1:168-168 '65.

#### CHEMICAL ELEMENTS

Concentration of chemical elements in dispersion halos.  
R. I. Dubov. Geol. i geofiz. no. 12:44-55 '64

Distribution of chemical elements in limestones V. V.  
Naumenko, Geol. zhur. 25 no 2:77-80 '65

Pure substances. D. I. Riabchikov, I. I. Nazarenko.  
Priroda 51 no. 6:41-47 Je '65.

#### CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture]  
Ref. zhur.; Khim. i khol. mashinost. nos. 5-6 My-Je  
'65.

#### CHEMICAL ENGINEERING LABORATORIES

Work of the research laboratories of the Moscow  
Institute of Chemical Machinery. P. I. Bogatyrev,  
Bil. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i  
tekhn. inform. 18 no. 4:64-65 Ap '65.

#### CHEMICAL INDUSTRIES

(see also subdivision under Kaunas, Ukraina)

Development of the chemical industry is an important  
task of the State. Stroi. i arkh. 12 no. 2:1 F '64

Libraries of the country assist in the chemicalization  
of the national economy; the V. I. Lenin State Library  
of the U.S.S.R., the Moscow Province Library, tech-  
nical libraries of the West Ural Economic Council,  
libraries of Kalinin Province, the Voronezh Province  
Library Bibliot. SSSR no 26:3-28 '64

News review. Khim. prom. 41 no. 5:380-390 My '65.

Several problems of the accelerated development of the  
chemical industry. A. Timekzhilov Plan khoz. 42  
no. 6:8-11 Je '65.

Some theoretical problems of automation in the pe-  
troleum, petrochemical, and gas industries. M. V.  
Meerov, Trudy MINKHGP no. 52:3-8 '64.

Thermal decontamination of the wastes of chemical in-  
dustries with consecutive utilization of the waste heat.  
E. A. Kulev and others, Khim. prom. 41 no. 5:360-  
363 My '65.

Ways to secure the supply of chemical industries with  
heat exchanging apparatus. I. S. Ermakov, Khim.  
prom. [Ukr.] no. 2:36-38 Ap-Je '65.

#### CHEMICAL INDUSTRIES—ACCOUNTING

Some problems in the organization of business account-  
ing in workshops. A. P. Kononov, V. A. Filippova,  
Khim. prom. 41 no. 5:376-380 My '65.

#### CHEMICAL INDUSTRIES—MANAGEMENT

New plants should have a well-founded plan. Z. Korovina,  
G. Igo'nikov. Plan. khoz. 42 no. 6:44-50 Je '65.

#### CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Efficiency promoters and inventors strive for technologi-  
cal progress. I. A. Sotikov, Khim. prom. 41 no. 5:  
374-376 My '65.

#### CHEMICAL MACHINERY

Angle of nip in crushing rolls. P. P. Chetkin, Nauch.  
trudy MTILF no. 30:218-220 '64.

#### CHEMICAL MACHINERY—COSTS see subdivision under Ukraine

#### CHEMICAL MACHINERY—DESIGN AND CONSTRUCTION

Metals and alloys for the chemical industry. G. L.  
Shvarts, M. M. Kristal', Zashch. met. 1 no. 2:137-  
148 Mr-Apr '65.

New materials and designs for the manufacture of  
chemical machinery. B. S. Kasatkin, G. V. Raevskii,  
V. I. Trufilakov, Avtom. svar. 18 no. 3:76-77 Mr '65.



## CHEMICAL MACHINERY—PATENTS

Inventor's and inventor's certificates of inventions.  
Patents [Ukr.] no. 2 82-64 15-Je '65

## CHEMICAL PLANTS—see Administration under Berezinski (Patent Production) V.P. 154

## CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Design of a plant for chemical enterprises. I.V.  
Berezinski. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Design of a plant for the accelerated development of the  
chemical industry. A. F. Bekhtishin. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

## CHEMICAL PLANTS—ELECTRIC EQUIPMENT

Design of a plant for the operation of the electrical equipment  
of chemical enterprises. M. S. Matveev. Prom. energ. [Ukr.] no. 2 16-17 Mr '65

## CHEMICAL PLANTS—EQUIPMENT AND SUPPLIES

Design of a plant for the operation of chemical equipment. I. A. Lap-  
shin. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

## CHEMICAL PLANTS—SAFETY MEASURES

Analysis of hydrocarbons as the cause of explosions  
in chemical plants. M. D. Veksel. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Results of examining the operating condition of electric  
equipment in chemical plants subject to explosions and  
fires. Prom. energ. [Ukr.] no. 2 16-17 Mr '65

## CHEMICAL REACTION, RATE OF

Study of the rate of chemical reactions and oscillations  
in chemical reactions. E. E. Nikitin. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Calculation of reaction rates for three-step parallel  
reactions. V. O. Reikhsfel'd, V. A. Panchuk. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Dissolution kinetics of an iron-base alloy in liquid  
media. V. I. Krivak, I. P. Nikitina, R. L. Shabalina.  
Tsvet. met. [Ukr.] no. 2 16-17 Mr '65

Study of a catalytic reaction by a nickel catalyst and its  
effect on the kinetics of para-ortho conversion and  
isomerization. I. R. Davydova, S. L. Kiprionov. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Calculation of the effect of reverse reaction in interpreting  
the kinetic data. S. L. Kiprionov, V. S. Gadzhik-Kasumov.  
Izv. AN SSSR, Ser. khim. no. 6 110-113 '65

Study of propagation under conditions of the ignition  
of mixtures of hydrogen-oxygen mixtures. V. A. Bases-  
vich, M. M. Kogarko. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Study of the effect of determining microquantities of bi-  
valent iron ions present together and  
their effect on their peroxidase activity. V. V.  
Pavlov. Izv. vuzov, zavis. khim. i khim. tekhn. 8  
no. 1 1-3 '65

Study of copper cementation with iron from CuCl<sub>2</sub>  
solutions. M. L. Episkoposian. Izv. AN Arm. SSR, Khim.  
no. 1 1-3 '65

Study of isotope exchange between hydrogen and water  
vapors on metal catalysts. Part 1: Effect of transport  
processes on the reaction rate. E. S. Nedumova, G. K.  
Borisov. M. G. Sar'kov. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Kinetics of the reactions of amines with hydroperoxides.  
Part 3: Mechanism of the reaction of cumene hydro-  
peroxide with triethanolamine. N. M. Bellerian, S. K.  
Grigorian, O. A. Chalykian. Izv. AN Arm. SSR, Khim.  
no. 1 1-3 '65

Study of the reaction of Pt (III) trans-diammine nitro-  
bromide with potassium nitrate. A. V. Babaeva, R. I.  
Rozyl. Zhur. neorg. khim. 10 no. 5 1266-1267 Mr '65

Study of the recombination of free radicals in irradiated  
organic substances. Part 2: Formal-kinetic model  
and a method for evaluation of kinetic constants. A. I.  
Mishchenko, I. A. G. Lebedev, N. A. Buben. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

## CHEMICAL REACTIONS

Study of the reaction of native and denatured DNA with  
a chromophore derivative of nitrogen pyrite. T. M.  
Mironova, P. L. Goresl', R. L. Salganik. Biokhimiya 30  
no. 1 1-3 '65

## CHEMICAL REACTORS

Ceramic grates made from bonded refractory granules  
for fluidized bed chemical reactors. V. F. Zamenetski  
and others. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Determining the technological parameters of injection  
mixers for deep thermal chlorination of methane. F. A.  
Matsukh and others. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

Reaction for liquid-phase catalytic reactions in thin  
layers. E. V. Kim and others. Khim. prom. [Ukr.] no. 2 16-17 Mr '65

## CHEMICAL REDUCTION see Reduction, Chemical

## CHEMICAL RESEARCH

New trends in chemistry. O. Reutov. Kommunist 42  
no. 10 78-87 J1 '65

## CHEMICAL TESTS AND REAGENTS

Chemical-spectral determination of the traces of metals  
in chemical reagents. G. A. Peitsov and others. Trudy  
IREA no. 25 303-310 '63

Color reactions of quinoxaline multidentate derivatives  
V. Dalomko, I. S. Markovich, S. L. Zeltchenok. Trudy  
IREA no. 25 47-56 '63

Complexometric method of determining the main sub-  
stance in reagent chemicals. M. Z. Parashukova, I. G.  
Shafraim. Trudy IREA no. 25 274-282 '63

Factors of interaction of organic reagents with inorganic  
ions and "analytical-active groups." A. M. Lukin.  
Trudy IREA no. 25 149-160 '63

## CHEMICALS—PHYSIOLOGICAL EFFECT

Characteristics of vasomotor reflexes produced by the  
introduction of chemical irritants into ear vessels in  
rabbits. B. B. Keilin. Trudy Inst. norm. i pat. fiziol.  
AMN SSSR 7 53-54 '64

Nature of protoplasmic changes responsible for the  
occurrence of cellular paralysis. P. V. Makarov.  
Vest. LGU 20 no. 9 80-84 '65

## CHEMICALS—TRANSPORTATION

Make maximum use of river transportation in the shipping  
of chemical cargoes. S. Davydov. Rech. transp. 23  
no. 12 4-5 D '64

## CHEMICALS INDUSTRY—FIRES AND FIRE PREVENTION

Isopropyl ester of chloroacetic acid. V. Monakhov.  
Pozh. delo no. 5 31 My '65

## CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur.: Khim. no. 11 Je '65.

## CHEMISTRY—BIBLIOGRAPHY see Bibliography— Chemistry

## CHEMISTRY—CONGRESSES

Ninth Mendeleev Congress. Khim. prom. 41 no. 5 321-  
322 My '65

## CHEMISTRY—DICTIONARIES

Soberka, Z., and others, ed. [Chemical dictionary  
in 4 languages: English-German-Polish-Russian]  
Khimicheskii slovar' na 4 yazykakh: anglijsko-nemetsko-  
pol'sko-russkom. Pri uchastii G. Silve i T. Stiven  
(Oxford). Warsaw, Wydawnictwa naukowo-techniczne,  
[1962] 724 p.

## CHEMISTRY—LABORATORY MANUALS

Taube, P. R., G. S. Akhshurina, and A. N. Gavrilovskii.  
[Laboratory work in general chemistry] Praktikum  
po obshchei khimii. Izd. 2., perer. Moskva, Vysshaya  
shkola, 1962, 265 p.

## CHEMISTRY, ANALYTICAL

Factors of interaction of organic reagents with inorganic  
ions and "analytical-active groups." A. M. Lukin.  
Trudy IREA no. 25 149-160 '63

(2-N-methylanilino)-resorcinol as an analytical  
reagent. Sh. T. Talipov, Kh. S. Abdullaeva, K. G. Nigal.  
Uzb. khim. zhur. 9 no. 1 34-37 '65

Pure substances. D. I. Alabichikov, I. I. Nazarenko.  
Priroda 54 no. 6 41-47 Je '65

Series of primary saturated normal alcohols. Report  
No. 2: Change in physicochemical properties in the  
series of normal primary alcohols and the effect of  
impurities on their physical characteristics. K. V.  
Vil'shau, V. A. Gavrilov. Trudy IREA no. 25 347-357  
'63

Simple method of analyzing fluorescein-protein con-  
jugates. L. B. Melder and others. Vop. virus. 9  
no. 5 631-634 S-O '64

Variations of the preparative analytical method for deter-  
mining the composition of the bottom phase in water  
salt systems. E. V. Margul's, E. D. Maletina, L. I.  
Belskeeva. Zhur. neorg. khim. 10 no. 6 1481-1485  
Je '65

## CHEMISTRY, ANALYTICAL—LABORATORY MAN- UALS

Chopik, M. N., and B. S. Khristoforov. [Laboratory  
analysis of lead-zinc plants] Laborant-analititskiy vyis-  
vo-islukovyykh zavodov. [Moskva] Metallurgiya, 1965,  
112 p.

## CHEMISTRY, ANALYTICAL—QUANTITATIVE

Quantitative determination of some carboxylic acids  
and their derivatives. O. N. Karpov. Trudy IREA  
no. 25 334-342 '63

## CHEMISTRY, FORENSIC

Microcrystallographic detection of some barbituric acid  
derivatives in forensic chemical investigations. A. V.  
Belova. Sud.-med. ekspert. 3 no. 2 37-45 Ap-Je  
'60

## CHEMISTRY, INORGANIC

Khodakov, I. V. [General and inorganic chemistry. A  
textbook for teachers] Obshchaya i neorganicheskaya  
khimiya, posobie dlia uchitel'ov. Izd. 3., perer.  
Moskva, Prosveshchenie, 1965, 710 p.

## CHEMISTRY, INORGANIC—NOMENCLATURE

Machine translation of formulas for inorganic com-  
pounds to a systematic nomenclature. A. I. Sel'ina, A. A.  
Matveeva, M. E. Pantjukhina. NFI no. 1 43-44 '65

## CHEMISTRY, MEDICAL AND PHARMACEUTICAL

Biological synthesis of tetracycline and its derivatives.  
T. N. Laznikova, V. G. Makarovich. Antibiotiki 10  
no. 5 390-396 My '65

Determination of the equivalent weight, ionogenic  
group numbers, and molecular weight of the antibiotic  
ristomycin. G. V. Samonov, E. D. Zingov. Antibio-  
tiki 10 no. 5 401-405 My '65

Production of some olivomycin derivatives and their  
physicochemical characteristics. A. S. Mironov, A. I.  
others. Antibiotiki 10 no. 5 410-414 My '65

## CHEMISTRY, METALLURGIC—CONGRESSES

S. I. [Chemical metallurgy. Proceedings of the  
congresses of the USSR Academy of Sciences, Division of  
Chemistry, 1964] Khimicheskii kontrol' proizvodstva  
v metallurgicheskoi i metallobabatyvatsionnoi promys-  
hlennosti; doklady. Dnepropetrovsk [Dnepropetrovskoe  
kntzhuoskoe izd-vo, 1960, 429 p.

## CHEMISTRY, ORGANIC

Kiprianov, A. I. [Introduction to the electron theory of  
organic compounds] Vvedenie v elektronnyi teorii  
organicheskikh soedinenii. Kiev, Naukova dumka,  
1965, 177 p.

## CHEMISTRY, ORGANIC—NOMENCLATURE

Translation of chemical nomenclature; algorithm of the  
translation of the names of cross-linking (condensed)  
polycyclic structures. A. M. Tsukerman. NFI no. 4  
23-30 '65

## CHEMISTRY, ORGANIC—SYNTHESIS

Perchloric acid and its compounds as catalysts in  
organic synthesis. Part 23: Salts of 2-nitryl (3,4,5,6)  
bis (indeno) pyrylium. I. A. Zhdanov, G. N. Puzoskii,  
V. A. Palchikov. Zhur. ob. khim. 35 no. 6 821-831 My  
'65

## CHEMISTRY, PHYSICAL AND THEORETICAL

Lapshin, M. I. [Special chapters of physical chemistry.  
abstracts of lectures] Spetsial'nye glavy fizicheskoi  
khimii; konspekt lektsii. Moskva, Mosk. energ. in-  
st. Pt. 1. Red. A. A. Gromoglasov. 1969, 70 p.

Pt. 2. 1960, 100 p.

[MICROFILM]

## CHEMISTRY, TECHNICAL

"General chemical technology" by I. P. Mukhtenova and  
others. V. V. Zubov and others. Izv. vuzov, tekhn. i  
khim. i khim. tekhn. 8 no. 1 170-171 '65

Intensification of heat exchange in the chemical  
technology. O. A. Kromnikov, V. R. Borovskiy. Khim.  
prom. [Ukr.] no. 2 38-39 Ap-Je '65

Problems in the use of chemistry in the manufacture of  
machinery at the plenum of the Technical-Economic  
Council of the State Committee on the Machinery  
Industry. N. D. Nosovskii. Vost. mashinost. 44 no. 1  
81-82 My '65

Refrigerating machinery industry at the service of the  
industrial chemistry. R. V. Pavlov. Khim. tekhn. 44  
no. 1 1-4 Ja-F '65

## CHEMISTRY, TECHNICAL—HANDBOOKS, MANUALS, ETC.

[Production control of calcium carbide, calcium cyanam-  
ide, black cyanide, diacydiamide, melamine, and po-  
tassium ferrocyanide] Kontrol' proizvodstva karbida  
kal'tsia, tsianamida kal'tsia, chernogo tsianplava,  
ditsianamida, melamina i zhelezotsianosinerozhnogo  
kallia. Moskva, Goskhimizdat, 1962, 168 p. [Analyti-  
cheskii kontrol' proizvodstva v azotnoi promyshlennos-  
ti, no. 13]

## CHEMISTRY, TECHNICAL—STUDY AND TEACHING

Kiluchnikov, N. G. [Practical work in chemical  
technology] Prakticheskie zaniatia po khimicheskoi  
tehnologii. Izd. 2., perer. Moskva, Prosveshchenie,  
1965, 262 p.

## CHEMISTS—BIBLIOGRAPHY see Bibliography— Chemists

## CHEMISTS—EDUCATION AND TRAINING

Let's supply our national economy with a greater number  
of good chemists. M. A. Prokof'ev. Vest. vyzh. shkoly  
23 no. 6 3-6 Je '65

## CHEMOTHERAPY

Chemotherapy of tumors of the urogenital organs Part 2: Cancer of the prostate gland. E. M. Vermel', Vop. onk. 11 no. 1100-119 '65.

## CHERENKOV RADIATION

Cherenkov radiation from a ring current in a Brillouin cloud. D. G. Lominadze. Zhur. tekhn. fiz. 35 no. 3 568-571 Mr '65.

## CHEREPNIN, LEV VLADIMIROVICH, 1905-

The creative work of Soviet historians: L. V. Cherepnin. P. G. Ryndzinskii, Vop. ist. 40 no. 6:170-180 Je '65.

## CHERKASSY PROVINCE—HEMP—DISEASES AND PESTS

Pay attention to the hemp leaf roller *Grapholitha delineana* Z. Kivichko and others. Zashch. rast. ot vred. 1 bol. 10 no. 5:51-51 '65.

## CHERKASSY PROVINCE—RURAL CONSTRUCTION

Central farmstead on the "Rodina Shevchenko" Collective Farm. E. Belousova. Arkhiv. SSSR no. 4:47-50 '65.

## CHERNIGOV PROVINCE—INFLUENZA

Incidence of influenza in Kiev and Chernigov Provinces in 1958 - 1959. V. L. Vasil'eva, G. Kh. Shaikhov, Sbor. nauch. trud. Inst. infek. bol. no. 4:19-25 '64.

## CHERNIGOV PROVINCE—POPLAR—DISEASES AND PESTS

Polyporaceous fungi on the black poplar. I. Nikitin. Zashch. rast. ot vred. 1 bol. 10 no. 5:20 '65.

## CHERNOVTSEY PROVINCE see Bukovina

## CHERNYAKHOV REGION (UKRAINE)—MOUNDS

The Chernyakhov burial mounds: based on V. V. Khvolka's excavation materials of 1900-1901. V. P. Petrov. Mat. i issl. po arkheol. SSSR no. 11:63-117 '64.

## CHERNYAKHOV REGION (UKRAINE)—SLAVIC ANTIQUITIES

The Chernyakhov burial mound: based on V. V. Khvolka's excavation materials of 1900-1901. V. P. Petrov. Mat. i issl. po arkheol. SSSR no. 11:63-117 '64.

## CHERNYAKHOVSK (KALININGRAD PROVINCE)—SOCIAL CONDITIONS

Belan, N. A. [Chernyakhovsk] Chernyakhovsk, [Kalininograd] Kaliningradskoe kuzhnoye izd-vo, 1964. 82 p.

## CHERRY

Coefficients for determining the leaf surface of some sour cherry and apple varieties. A. S. Ovsiannikov. Sbor. nauch. rab. NIIsd. no. 10:94-97 '64.  
Effect of electric current on the stratification of cherry seeds. I. N. Lukova, P. M. Oleshko. Fiziol. rast. 12 no. 2:238-241 Mr-Apr '65.

## CHERRY—VARIETIES see subdivision under Odoyev District

## CHEST—RADIOGRAPHY

Possibility of X-ray examination and detection of air in the pleural cavity in the presence of fluid in it: study on a phantom. I. S. Khomakov, E. B. Fradkina. Vest. rent. i rad. 40 no. 1:90-91 Ja-F '65.

## CHEST—SURGERY

Uropapain content in the urine and 17-hydroxycorticosteroid content in the blood plasma in thoracic surgery. M. P. Romankova, V. E. Ryzhenkov. Vest. khir. 03 no. 11:43-48 N '64.

## CHEST—WOUNDS AND INJURIES

Selection of anesthesia in surgery on perforating wounds of the thoracic and abdominal cavities. I. S. Galtzer, T. S. Putievskaya. Trudy Inst. im. N. V. Sklif. 9:197-201 '63.

## CHICKEN CHOLERA

Diagnosis of pasteurellosis and Newcastle disease in poultry. A. I. Bychkov. Veterinariia 41 no. 6:28 Je '64.

## CHICKEN CHOLERA—PREVENTIVE INOCULATION

Effect of antibiotics on the formation of immunity in chickens with pasteurellosis. K. P. Chapurov, S. K. Bachezhinskii. Veterinariia 42 no. 6:20-31 Je '65.

## CHICKEN POX IN POULTRY

Impregnation of intracellular inclusions of chicken pox in poultry. V. M. Apatenko. Veterinariia 41 no. 6:32 Je '64.

## CHILD STUDY

Age-conditioned characteristics of the development of creative imagination in schoolchildren. M. A. Muzafarov. Uch. zap. MGPI no. 104:225-262 '63.  
Age-conditioned characteristics of the formation of the visual image in children. E. I. Ignat'ev. Uch. zap. MGPI no. 104:5-38 '63.  
Age-conditioned differences in observation processes in schoolchildren. N. S. Lukin. Uch. zap. MGPI no. 104:178-223 '63.

From the office of a psychoneurologist. S. Fainberg. Doshk. vosp. 38 no. 4:53-56 Ap '65.

From the office of a psychoneurologist. S. Fainberg. Doshk. vosp. 38 no. 5:63-65 Je '65.

Perception of the similarities and differences between geometrical figures in preschool children. N. A. TSVaniuk. Uch. zap. MGPI no. 104:37-53 '63.  
Psychological characteristics of the development of observation in preschool children. G. S. Filipchuk. Uch. zap. MGPI no. 104:55-61 '63.

Role of spontaneous perceptions and ideas in the activity of the creative imagination of schoolchildren. A. I. Dudetskii. Uch. zap. MGPI no. 104:263-287 '63.

Some characteristics of the compositional construction of drawings by schoolchildren. V. A. Romashko. Uch. zap. MGPI no. 104:288-310 '63.

Stimuli arousing positive emotions in the child during the first months of life. M. I. Kistiakovskaya. Vop. psikh. 11 no. 2:129-140 Mr-Apr '65.

Visual perception of the images of objects. K. I. Veresetskaya. Uch. zap. MGPI no. 104:83-123 '63.

## CHILD WELFARE

(see also subdivision under Lugansk Province)

Children's Protection Day. M. Kirillov. Nar. obr. no. 6:96-97 Je '65.

Let's give them a happy childhood. Doshk. vosp. 38 no. 6:6-7 Je '65.

## CHILDREN

I dreamed to become a captain. Z. Kudriavtseva. Doshk. vosp. 38 no. 4:37-38 Ap '65.

Observations, notes and responses. Doshk. vosp. 38 no. 6:11-43 Je '65.

Observations, remarks, rejoinders... L. Brodskaya and others. Doshk. vosp. 38 no. 3:63-65 M '65.

Through the eyes of our children. Nar. obr. no. 6:26-30 Je '65.

## CHILDREN—CARE AND HYGIENE

Cold. S. Rachinskii. Sem'ia i shkola 20 no. 4:21 Ap '65.

Steponaitiene, Liudmila, and Petras Baublys. [The child grows] Vaikas auga. Vilnius, Leidykla "Mintis," 1965. 253 p. [In Lithuanian] (DNLM)

## CHILDREN—DISEASES

Spasmodic. L. Aleksandrova. Doshk. vosp. 38 no. 4:48-49 Ap '65.

Summer diseases. L. Aleksandrova. Doshk. vosp. 38 no. 6:54-55 Je '65.

X-ray diagnosis of lobar and segmental atelectases in children. A. L. Shik. Vest. rent. i rad. 40 no. 1:3-7 Ja-F '65.

## CHILDREN—EMPLOYMENT

Karl Marx and education of children. K. Seleznev. Doshk. vosp. 38 no. 4:22-27 Ap '65.

## CHILDREN—MANAGEMENT

(see also subdivision under Rostov Province)

"Do you love me, mother?" E. Radina. Doshk. vosp. 38 no. 6:101-106 My '65.

Iron thread. M. Volodtseva. Doshk. vosp. 38 no. 4:38-41 Ap '65.

Let's pay attention to the details. N. Nezhinskii. Nar. obr. no. 7:72-76 Ji '65.

Let's train their emotions and habits. Doshk. vosp. 38 no. 6:3-5 Je '65.

Two Volodtsevs. M. Skudina. Doshk. vosp. 38 no. 4:39-41 Ap '65.

## CHILDREN—NUTRITION

Children must have vegetables. V. Vedaashko. Doshk. vosp. 38 no. 6:52-53 Je '65.

Nutrition and training. A. Mitina. Doshk. vosp. 38 no. 6:101-103 Je '65.

## CHILDREN, DEAF

Neiman, L. V. [Hearing function in hard of hearing and deaf-mute children] Slukhovaya funktsiia u tugoukhikh i gluhozemnykh detei. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 350 p. (DGC)

## CHILDREN AND TELEVISION see Television and children

## CHILDREN AS ARTISTS

Drawings of the younger preschool children. T. Kazakova. Doshk. vosp. 38 no. 6:8-11 Je '65.

Mine of colors. Zhanna Krupnik. Doshk. vosp. 38 no. 6:46-50 Je '65.

National art and children's creativeness. N. Sakulina. Doshk. vosp. 38 no. 5:11-12 My '65.

Nature in children's drawings. T. Baskalova. Doshk. vosp. 38 no. 3:47-48 Mr '65.

Some characteristics of the compositional construction of drawings by schoolchildren. V. A. Romashko. Uch. zap. MGPI no. 104:288-310 '63.

Tots are drawing. L. Kosenkova. Doshk. vosp. 38 no. 6:11-12 Je '65.

## CHILDREN AS AUTHORS

We develop abilities and train talents. E. Korsunskii. Nar. obr. no. 6:52-59 Je '65.

## CHILDREN'S CLOTHING

New styles of children's clothing. A. F. Kulichev. Shvein. prom. no. 2:20-25 Mr-Apr '65.

Produce high-quality children's clothing. O. F. Bunina, I. A. Khamish. Shvein. prom. no. 2:31-33 Mr-Apr '65.

## CHILDREN'S CLUBS

(see also subdivision under Kherson Province)

An important facility to liquidate the problem of unsupervised children. N. Aleksandrova. Sots. zakon. 42 no. 3: 68-69 Mr '65.

## CHILDREN'S LIBRARIES see Libraries, Children's

## CHILDREN'S LITERATURE

Big literature for the little ones. Doshk. vosp. 38 no. 6:105 Je '65.

Large gift. E. Neduya. Doshk. vosp. 38 no. 3:106-110 Mr '65.

Only with a thorough knowledge of their work... B. Lifshits. Doshk. vosp. 38 no. 4:115-116 Ap '65.

Parents on books. F. Ragimov, V. Zhukova. Doshk. vosp. 38 no. 3:110-111 Mr '65.

## CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

## CHILDREN'S PLAYS

(see also subdivision under Ryazan)

In the Ministry of Culture of the U.S.S.R. Teatr. 26 no. 1:82 Ja '65.

## CHILDREN'S SONGS, RUSSIAN

Songs in a Pioneer camp. L. I. Gavrilova. Nach. shkola. 33 no. 5:91-94 My '65.

## CHINESE LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut narodov Azii. [The plen-wen about Wei-mo-ki. The plen-wen "Ten good omens." Unknown plen-wen manuscripts of the Tun Huang Collection in the Institute of Asian Peoples] Bian'ven' o Vel'mozhe, Bian'ven' "Desiat' blagikh znamenii." Neizvestnye rukopisi bian'ven' iz Dun'huanskogo fonda Instituta narodov Azii. Izd. teksta, predisl., perevod i kommentarii L. N. Men'shikov. Moskva, Izd-vo vostochnoi lit-ry, 1963. 34 p. (Pamiatniki literatury narodov Vostoka. Teksty. Malala seriia, no. 8) [In Russian and Chinese]

## CHINESE MANUSCRIPTS see Manuscripts, Chinese

## CHINESE WOOD ENGRAVINGS see Wood engravings, Chinese

## CHINGIZTAU—GEOLOGY, STRATIGRAPHIC

Upper Ordovician and Lower Silurian sediments in the Akdambak Mountain region of the Chingiztau (central Kazakhstan). S. M. Bandoletov and others. Izv. AN Kazakh. SSR. Ser. geol. 22 no. 1:35-44 Ja-F '65.

## CHINGIZTAU REGION—ROCKS—ANALYSIS

Petrochemical characteristics of the volcanogenic rocks of the Kaidaul'skaya series in the northwestern Chingiztau region. N. V. Aksamentova. Izv. AN Kazakh. SSR. Ser. geol. 22 no. 1:45-55 Ja-F '65.

## CHITA PROVINCE—ORE DEPOSITS

Conditions of localization and the morphology of ore bodies of the Blagodat'sk and Yekaterino-Blagodat'sk deposits. V. G. Rostov. Izv. vys. ucheb. zav., svyaz. met. 8 no. 1:3-8 '65.

## CHKALOV see Orenburg

## CHLORAL

Interaction between chloral hemiacetals and vinyl ethers. M. F. Shostakovskii and others. Izv. AN SSSR. Ser. khim. no. 6:1113-1114 '65.

## CHLORAMIDE

Infrared spectra of tetravalent platinum complex compounds containing chloramines. I. U. S. Varshavskii, I. U. N. Kukushkin. Zhur. neorg. khim. 10 no. 6:1332-1337 Je '65.

## CHLORIDES

Effect of a chlorine anion on the kinetics of a simultaneous discharge of iron and nickel. M. S. Grilikhes, V. V. Sysoeva. Zhur. prikl. khim. 38 no. 4:823-828 Ap '65.

Effect of chloride ions on cathodic polarization in chromium electrodeposition. Z. A. Solov'eva, A. T. Vagranian. Elektrokhem. 1 no. 5:551-556 My '65.

Study of the density of aqueous solutions of LiCl, LiBr, and CaCl<sub>2</sub> as applied for a drying of gases. S. A. Bogatykh, I. D. Evnovich. Zhur. prikl. khim. 38 no. 4: 945-946 Ap '65.

System Cs, Cd, Pb/Cl. I. I. Il'iasov, A. G. Bergman, N. I. Chaurakli. Zhur. neorg. khim. 10 no. 5:1250-1255 My '65.

System consisting of potassium cadmium and lead chlorides. A. G. Bergman. Zh. V. Mister. Zhur. neorg. khim. 10 no. 5:1282-1285 My '65.

## CHLORIMIDE

Synthesis of a peptide bond by means of chlorimides.  
IU, V Mitin, G. P. Vlasov. Zhur. ob khim. 35  
no. 5 881-884 My '65.

## CHLORINATION

Chlorine metallurgy. B. G. Korshunov, S. L. Stefanuk  
Priroda 54 no. 6 53-55 Je '65

Determining the technological parameters of injection  
mixers for deep thermal chlorination of methane. F. A.  
Matlakh and others. Khim. prom. 41 no. 5 347-352  
My '65.

Kinetics and the mechanism of chlorination of minerals  
(fluorite, pyrochlore, zircon, and eucrite). S. I. Ste-  
fanuk, I. S. Morozov. Zhur. prikl. khim. 38 no. 4 729-  
735 Ap '65.

## CHLORINE

Use of chlorine compounds for winter maintenance of  
urban areas. L. S. Mnuhin. Nov. tekhn. zhil. kom-  
khoz. Zhil. khoz. no. 2 34-42 '63

## CHLOROACETIC ACIDS

Precipitation of seed proteins by trichloroacetic acid.  
IU, I. A. Gofman, V. V. Saianova. Biokhimiia 30 no. 1  
12-19 Ja-F '65.

## CHLOROMA

Spinal epiduritis syndrome in the clinical aspects of  
chloroleukemia (chloroma). E. Z. Shamoyakina, Z. L.  
Malerko. Zhur. nevro. i psikh. 65 no. 6 844-847 '65

## CHLOROPHOS

Biological bases for controlling warble flies in cattle.  
A. F. Sveshnikov. Veterinariia 42 no. 6 47-49 Je  
'65.

Chlorophos and early chemotherapy of Hypodermia in-  
festation. I. S. Zhaiikov and others. Veterinariia 42  
no. 6 531 Je '65.

Chlorophos in the control of mites and insects. M. A.  
Lopukhov, N. I. A. Den'gin. Veterinariia 41 no. 6 111-  
112 Je '64

Prophylactic measures against warble flies. A. I. Bal-  
dalin. Veterinariia 42 no. 6 59 Je '65.

## CHLOROPHYLL

(see also subdivision under Baltic Sea)

Chlorophyll content in plankton of the Sea of Azov. F. V.  
Belogorskaya. Trudy SBS 17 221-230 '64

Some data on the chlorophyll content in plankton and the  
primary production of the Black Sea. G. G. Vinberg,  
E. P. Muravleva, Z. Z. Fimenko. Trudy SBS 17 212-  
220 '64

## CHLOROPRENE

Interaction of metallic derivatives of compounds contain-  
ing a labile hydrogen atom with  $\alpha$ -oxyhalides. Part 6:  
Reaction of Na-acetoacetic ester with chloroprene  
oxide in ethanol. T. I. Temnikova, B. A. Ershov. Zhur.  
ob khim. 35 no. 5 796-798 My '65.

Reaction of phenol with 2-chloroprene in the presence of  
Friedel-Crafts catalysts. D. A. Novokhatka, B. V.  
Matfushenskii, M. K. Tsurina. Zhur. VKHO 10 no. 2  
240 '65

## CHLORPROMAZINE

Aminazine treatment of stuporous states (clinical and  
physiological analysis). L. A. Shmilovich, A. I.  
Poliak, T. N. Nazarova. Zhur. nevro. i psikh. 64 no. 11  
1722-1727 '64

Dynamics of blood pressure in cerebral and peripheral  
vessels in hypertonic and atherosclerotic psychoses  
during treatment with aminazine. F. G. Zubarev.  
Zhur. nevro. i psikh. 65 no. 6 894-899 '65

Effect of repeated treatment with aminazine on the  
schizophrenic process. R. I. Zolotarevskii. Zhur. nevro. i  
psikh. 64 no. 11 1728-1733 '64

Effect of systematic treatment with aminazine on the  
course of recurrent schizophrenia. V. A. Egorov.  
Zhur. nevro. i psikh. 64 no. 11 1734-1740 '64

Use of aminazine in veterinary surgery. P. Kh. Tere-  
khov. Veterinariia 41 no. 6 73-75 Je '64.

## CHLORPROMAZINE—PHYSIOLOGICAL EFFECT

Analysis of the effect of aminazine on cerebrospinal re-  
flexes and dominance. F. D. Shekhon. Trudy Inst.  
norm. i pat. fiziol. AMN SSSR 7 110-111 '64

Effect of narcotics and aminazine on respiratory reac-  
tions evoked by stimulating the bulbar reticular forma-  
tion. A. V. Val'dman, Ma Chuan'-gen [Ma Chuan-keng].  
Fiziol. zhur. 51 no. 6 732-740 Je '65.

Reaction of dogs with the weak type nervous system to  
the effect of neurotropic substances. N. S. Safronov,  
V. K. Bolondinskii. Zhur. vys. nerv. deiat. 14 no. 6  
1013-1018 N-D '64.

## CHLORPROMAZINE—SIDE EFFECTS

Problem of acute dystrophy of the liver following  
aminazine therapy. M. F. Smaga. Zhur. nevro. i psikh.  
65 no. 6 920-923 '65.

## CHLORPROMAZINE—TOXICOLOGY

Clinical aspects in poisoning with aminazine. I. M.  
Kamianov. Zhur. nevro. i psikh. 65 no. 6 918-919  
'65.

## CHLORTETRACYCLINE

Effect of some components of ointment bases on the  
penetration of chlortetracycline through intact skin in  
rabbits. V. K. Vasil'ev, E. N. Lazareva, V. I. Pocha-  
pinski. Antibiotiki 10 no. 5 442-445 My '65.

## CHOLERA, ASIATIC—MICROBIOLOGY

I. I. Mechnikov's experiments in the study of cholera.  
L. P. Tarasova. Zhur. mikrobiol. i epid. i immun. 42  
no. 2 145-149 F '65.

## CHOLESTEROL

Development of alimentary hypercholesterolemia in normal  
and castrated animals of various ages. S. V. Makal'mov,  
I. N. Sharpevich. Probl. endok. i gorm. 10 no. 4 94-100  
Jl-Ag '64.

Seasonal variations in the cholesterol content of the  
adrenal glands in rats. K. A. Tret'yakova. Biol. eksp.  
biol. i med. 59 no. 6 62-64 Je '65

Significance of the determination of cholate cholesterol  
coefficient and biliary acid salts for the diagnosis of  
liver function in Botkin's epidemic hepatitis. A. N.  
Ardanaiskaya. Sov. med. 28 no. 4 41-44 Ap '65

## CHOLESTEROL METABOLISM

Cholesterol metabolism in diseases of the thyroid gland  
in patients treated with I<sup>131</sup>. V. N. Slavnov. Med. rad.  
10 no. 6 14-18 Je '65

Disorders of afferent signalization in experimental con-  
ditioned hypercholesterolemia. O. I. Ostroly, S. V.  
Magaeva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7  
68-69 '64

Participation of insulin and glycocholic acids in the regula-  
tion of cholesterol metabolism. L. E. Panin. Biol.  
eksp. biol. i med. 59 no. 6 68-62 Je '65

Use of cistamphen in hypercholesterolemia in diabetes.  
S. A. Balen, E. M. Basedina. Probl. endok. i gorm. 10  
no. 5 7-10 S-O '64.

## CHOLINESTERASES

Changes in the activity of cholinesterase in the blood  
serum in patients with cancer during the period of  
radiotherapy. N. N. Mazovka. Med. rad. 10 no. 2 12-  
13 F '65

Comparative characteristics of the peripheral plexuses of  
parasympathetic and sympathetic nerve fibers accord-  
ing to the distribution and activity of cholinesterase,  
histochemical data. E. K. Plechova. Trudy Inst. norm.  
i pat. fiziol. AMN SSSR 7 70-72 '64.

Mechanism of the inhibition by choline of the acetylcho-  
line hydrolysis by equine serum cholinesterase. A. P.  
Breatkin, L. A. Ivanova, V. V. Sveshnikov. Biokhimiia  
30 no. 1 137-140 Ja-F '65.

## CHONDROMUCOIDS

Interaction of chondromucoprotein and chondroitin-  
sulfate A with hexamminecobalt chloride. S. M. Bychkov,  
A. I. Khazanova. Biokhimiia 30 no. 1 141-147 Ja-F '65.

## CHORAL SINGING see subdivision under Latvia

## CHORION

Study of urea in the tissues of the chorion and allantois  
of the epithelial-chorial placenta. V. I. Kazanin. Izv.  
SO AN SSSR no. 12 Ser. biol. i med. nauk no. 3 133-136  
'64.

## CHOROID

Choroid vascular structure in the rabbit following  
the exclusion of main cervical and cerebral arteries.  
A. P. Ljubomirov, L. M. Lychevskii. Arkh. anat. i  
gist. i embr. 47 no. 10 19-24 O '64

## CHRISTENING see Baptism

## CHRISTIAN ETHICS

What is the real substance of "moral theology."  
V. Dolla. Komm. Ukr. 39 no. 6 76-82 Je '65.

## CHRISTIAN SOCIALISM see Socialism, Christian

## CHROMAFFIN SYSTEM

Effect of some toxic irritants on hormonopolesis in  
chromaffin organs. N. M. Kovrizhko. Probl. endok.  
i gorm. 10 no. 5 94-98 S-O '64.

## CHROMAFFIN SYSTEM—CANCER

Case of metastases of pheochromocytoma in the bones.  
N. N. Zueva. Vest. rent. i rad. 40 no. 2 62-63 Mr-  
Ap '65.

## CHROMATOGRAPHIC ANALYSIS

Chromatographic analysis of the fraction C<sub>1</sub>-C<sub>4</sub>.  
V. L. Breshchenko, L. V. Ivanova, S. I. Rashnikov.  
Neftepr. i neftekhim. no. 1 37-38 '65.

Chromatographic analysis of the oxidation products of  
Tetralin. S. D. Saratova, V. A. Smanov, B. I.  
Golovanenko. Neftepr. i neftekhim. no. 1 23-29 '65.

Chromatography of influenza viruses A and A2 with  
anti-influenza serum and a biologically neutral com-  
plex of virus-antibody with Sephadex G-200. Kh. Zh.  
Zhumatov, M. Kh. Salatov. Vop. virus. 9 no. 5 555-  
559 S-O '64.

Determination of an iron microimpurity in high-purity  
substances by the chromatographic method with cypho-  
natholine. O. A. Kuzakova, B. A. Borokovskaya.  
Trudy IRGA no. 26 317-320 '63

Method for detecting on electrophoretograms and chromato-  
grams stains of substances absorbing ultraviolet rays  
in the 254 - 260 mμ zone (photography in ultra violet rays).  
IU, N. Krasnikin, N. A. Fedorov. Biol. eksp. biol. i med.  
59 no. 6 121-124 Je '65.

Microchromatographic column with remote control. N. A.  
Lebedev, N. S. Tolstol, V. A. Khalkin. Radiokhimiia 7  
no. 1 113-117 '65.

Purification and fractionation of influenza virus by  
chromatography on aminomethylcellulose. I. A. M.  
Solov'eva and others. Vop. virus. 9 no. 5 550-555  
S-O '61.

Using chromatography. S. S. Bolozerskii and others.  
Mekh. i avtom. proizv. 10 no. 1 11-12 Ap '65.

## CHROMATOPHORES

Amino acid activating enzymes of the chloroplasts of  
higher plants. S. S. Melik-Sarkisyan, V. P. Gorn'barov,  
N. M. Slanik. Biokhimiia 30 no. 1 183-188 Ja-F '65.

Chloroplast structure in the leaves of corn grown under  
various light conditions. O. P. Ostrova, N. I. Aashu.  
Fiziol. rast. 12 no. 2 257-262 Mr-Ap '65.

Effect of quinine on the light transformation of viola-  
xanthin in chloroplasts. I. A. Popova. Biokhimiia  
30 no. 1 58-59 Ja-F '65.

Role of lipid compounds in biosynthesis of chloroplast  
proteins. Y. N. Bozinger, M. I. Molchanov, N. M. Slan-  
kian. Biokhimiia 29 no. 4 749-756 Jl-Ag '64.

## CHROMIC ACID

Cathodic passivation in chromate electrolytes with the  
additions of chloride ions. Z. A. Solov'eva, A. T. Vagra-  
mian. Elektrokhimiia 1 no. 1 413-417 Ap '65.

Effect of the state of the cathode surface on the kinetics  
of electroreduction of chromic acid. Z. A. Solov'eva,  
A. T. Vagramian. Elektrokhimiia 1 no. 2 100-104 I  
'65.

## CHROMIUM

Effect of the fine splitting of the lower level of Cr<sup>3+</sup> in  
ruby on some characteristics of coherent radiation.  
G. I. Feldman. Izv. vuz. ucheb. zav., radiofiz. 8  
no. 2 272-284 '65

## CHROMIUM IN THE BODY

Excretion of chromium-51 from the organism in animals.  
A. Z. Tsfanman. Med. rad. 10 no. 2 3-10 F '67.

## CHROMIUM ISOTOPES

Effect of artificial blood circulation on the life span of  
Cr<sup>51</sup> labeled erythrocytes; on the problem of the  
mechanism of the development of post per fusion anemia.  
K. M. Shul'man, M. G. Shitikova. Med. rad. 10 no. 5  
16-20 Mi '65.

Methodology for the determination of gastric intestinal  
hemorrhages by means of Cr<sup>51</sup>. A. Z. Tsfanman, G. V.  
Dibizheva. Med. rad. 10 no. 6 19-22 Je '67.

## CHROMIUM-MANGANESE STEEL—ELECTROMETALLURGY

Mastering the production of DI-6 (Kh13G14N3) steel.  
E. I. Moskovich and others. Stal' 25 no. 5 120-122  
My '65.

## CHROMIUM-NICKEL ALLOYS see Nickel-chromium alloys

## CHROMIUM-NICKEL STEEL—WELDING

Autoradiographic investigation of the distribution of  
niobium in the weld-affected zone of Kh18Ni9Ti steel.  
G. L. Petrov, V. A. Ignatov. Avtom. svai. 18 no. 4  
15-19 Ap '65.

Investigating heat affected zones in 25Kh5Ni9Ti and  
VL-10 steel. A. G. Smirnov, K. V. Ljubavskii. Svar.  
proizv. no. 5 5-8 My '65.

## CHROMIUM PLATING

Effect of chloride ions on cathodic polarization in chro-  
mium electrodeposition. Z. A. Solov'eva, A. T. Vagra-  
mian. Elektrokhimiia 1 no. 5 551-556 My '65

Effect of some complex anions on the chromium plating  
process. N. T. Drobanseva. Zhur. prikl. khim. 39  
no. 1 846-849 Ap '66.

Preparation and properties of chromium hydride. A. A.  
Prokurnikov, V. I. Ilylov. Zhur. neorg. khim. 10  
no. 5 1017-1021 My '65

## CHROMIUM STEEL

High chromium steel for heat resistant castings. I. I.  
Rostovtsov and others. Lit. proizv. no. 2 18-19 F  
'65.

## CHROMIUM STEEL—PLASTIC PROPERTIES

Investigating the plasticity of Kh18Ni9Ti steel. V. A. Iamov.  
Trudy LPI no. 243 138-140 '65.

## CHROMIUM STEEL—TESTING

Investigating dilatometric curves and electric resistance  
of high-chromium steel depending on the phase compo-  
sition. N. G. Shul'ga, M. F. Zamora. Izv. vuz. ucheb.  
zav., mashinost. no. 3 133-143 '65.

## CHROMIUM STEEL—TESTING (Continued)

Phase constitution and properties of heat resistant steel containing 12% chromium. L. V. Zaslavskaya, N. F. Lashko, L. S. Fedotova. *Stal'* 25 no. 5:148-152 My '65.

## CHROMIUM STEEL—WELDING

Corrosion resistance of 1Kh18N9T steel joints welded in carbon dioxide. L. S. Lityaeva, N. V. Sitnova. *Svar. proizv.* no. 4:28-31 Ap '65.

## CHROMOSOMES

Effect of EDTA on the process of crossing-over in various lines of *Drosophila melanogaster*. Suresh P. Sankha. *Vest. LGU* 20 no. 9:130-135 '65.  
Effect of gamma rays, fast neutrons and ethylenimine on the rate of chromosomal aberrations in winter wheat V. E. Gorin. *Izv. SO AN SSSR* no. 12, Ser. biol.-med. nauk no. 3:117-121 '61.

## CHRYSOSTOMUS, JOANNES, Saint, Patriarch of Constantinople, d. 407

Christian churches and the divine service at the time of Saint John Chrysostomus (conclusion). Metropolitan Nikodim. *Zhur. Moskv. Patr.* no. 6:53-61 '65.

## CHU VALLEY—FRUIT CULTURE

Fruit culture in the Chu Valley. S. Myrzaliev. *Izv. Bot. sada AN Kir. SSR* no. 1:33-37 '64.

## CHU VALLEY—ROSES—VARIETIES

Biology of roses in the Chu Valley. IU. S. Pototskaya. *Izv. Bot. sada AN Kir. SSR* no. 1:59-74 '64.

## CHUCKS

Special chuck for fastening grooved drills. G. A. Rutman. *Bum. i der. prom.* no. 2:34 Ap-Je '65.

## CHUKCHI NATIONAL AREA—DESCRIPTION AND TRAVEL

Encounter with the Chukchi. A. Iakovlev. *Iskusstvo* 28 no. 3:25-29 '65.

## CHUKCHI NATIONAL AREA IN ART

Encounter with the Chukchi. A. Iakovlev. *Iskusstvo* 28 no. 3:25-29 '65.

## CHUKCHI SEA—SALVAGE

Getting afloat and towing the grounded diesel-electric ship "Yentsey." D. Iakovets. *Moi flot* 25 no. 4:21-22 Ap '65.

## CHULYM VALLEY (KRASNYYARSK TERRITORY)—MAMMALS, FOSSIL

New finds of Quaternary mammal fauna in the Chulyma Valley. V. V. Feniksova. *Geol. i geofiz.* no. 3:156-158 '65.

## CHURCH AND STATE

At a reception in the Kremlin on the occasion of the 20th anniversary of the victory. *Zhur. Moskv. Patr.* no. 6:4 '65.

Celebration of Victory Day in Moscow and other cities. *Zhur. Moskv. Patr.* no. 6:6-7 '65.

Letter from V. Kuroedov, chairman of the Council for the Affairs of the Russian Orthodox Church attached to the Council of Ministers of the U.S.S.R., to the editor of "Zhurnal Moskovskoi Patriarkhii." *Zhur. Moskv. Patr.* no. 6:4 '65.

## CHURCH SLAVIC LANGUAGE

Some features of the interaction between the Old Church Slavonic and White Russian literary languages. A. I. Zhuravskii. *Sov. slav.* no. 2:44-54 '65.

## CHURCH SLAVIC LANGUAGE—DICTIONARIES—UKRAINIAN

[Dictionary of Lavrentii Zizani; Church Slavonic synonyms] *Lokals Lavrentia Zizani; slonima slavenorossakala, Pridolovka tekstiv pam'iatok i vstupni statii V. V. Nimchuka. Kyiv, Naukova dumka, 1964. 201 p. (Pam'iatki ukrains'kol movy XVI-XVII st. Seria naukovi literatury) (CaOTU)*

## CHUVASHIA—COOPERATIVE SOCIETIES

Specialization trend. M. Kharitonov. *Sov. potreb. koop.* no. 5:22-23 My '65.

## CHUVASHIA—ECONOMIC CONDITIONS

Lubimov, V. N. [Socialist reorganization of Soviet Chuvashia] *Sotsialisticheskoe preobrazovanie Sovetskoi Chuvashii. Chetvorty, Chuvashskoe gos. izd-vo, 1965. 220 p. (InU)*

## CICADA—EXTERMINATION

Cicada on grain. N. Voderikov. *Zashch. rast. ot. vred. i bol.* 10 no. 5:53 '65.

## CICATRICES

Results of surgical treatment of cicatricial stenosis of the pharynx following burns by P. M. Khilov's method. B. U. Fomicheva. *Vest. khir.* 93 no. 11:22-28 N '64.

## CINCHONIC ACID

Determining copper content of metallic zinc, cadmium and lead-tin solders by means of 2,2-bis(chinonic acid). K. I. Fridman, E. L. Turchyna. *Khim. prom [Ukr.]* no. 2:74-75 Ap-Je '65.

## CINEMATOGRAPHY see Motion-picture photography

## CIRCUITS, BRIDGE see Bridge circuits

## CIRCULAR SAWS

Machine for rolling disk saws. IU. M. Stakhiev. *Der. prom* 11 no. 2:28 F '65.

## CITIES AND TOWNS

(see also subdivision under Austria; Canada, Europe, Eastern, Europe, Western, Great Britain; Japan, United States)

N. N. Baranskii and Soviet urban geography. I. Maergolts. *Vop. geog.* no. 66:3-5 '65.

Quantitative evaluation of economic and geographical condition of cities. V. S. Varlamov. *Vop. geog.* no. 66:130-140 '65.

Some characteristics of passenger traffic between the large cities of the U.S.S.R. O. A. Kibal'chich. *Vop. geog.* no. 66:141-152 '65.

## CITIES AND TOWNS—CLASSIFICATION

Study of the functional structure of urban settlements in connection with their economic and geographical types. B. S. Khorev. *Vop. geog.* no. 66:134-58 '65.

## CITIES AND TOWNS—GROWTH see subdivision under Baltic States

## CITIES AND TOWNS—STATISTICS

(see also subdivision under Asia, Southeastern)

Extra-large cities and urban agglomerations of the world in 1959-1961. A. G. Kruglikov. *Vop. geog.* no. 66:107-204 '65.

Regularities and tendencies of urban distribution in the U.S.S.R. V. G. Davidovich. *Vop. geog.* no. 66:6-33 '65.

## CITIES AND TOWNS, MEDIEVAL

Basic contradictions in the development of the medieval city. S. M. Stam. *Vop. ist.* 40 no. 7:93-105 J1 '65.

## CITY PLANNING

(see also subdivision under Berezni, Perm Province, Leningrad, Azerbaijan; Leningrad, Magnitogorsk; Moscow; Moscow Province; Ulyanovsk; Vilnius)

Baranov, N. V. [Composition of the centers of cities] *Kompozitsiia tsentra goroda. [Moskva] Stroizdat, [1964] 101 p. illus.*

Naifeld, L. R. [Hydraulic engineering in city planning] *Gidrotekhnika v gradostroitel'stve. Moskva, Vysshaya shkola, 1965. 260 p.*

Some characteristics of the planning of settlements at large hydroelectric power stations. L. Kogan, N. Naifeld, I. Runovskii. *Arkhiv. SSSR* no. 4:41-42 '65.

## CIURLIONIS, MIKALOJUS KONSTANTINAS, 1875-1911

Ciurlionis, M. K. [Translations; eight reproductions by M. K. Ciurlionis and poems by Salomeja Neris] *Biciliyats; asuonios M. K. Ciurlionio kurlinu reprodukcijos su Salomeja Neris elterasciats. Vilnius, VEGA, 1965. 8 fold, plates. [In Lithuanian]*

## CIVIL DEFENSE

[Civil defense in rural areas; a training manual] *Grazhdanskaya oborona v sel'skikh rayonakh; uchebnoe posobie. Moskva, Voenizdat, 1965. 159 p.*

## CIVIL LAW see subdivision under White Russia

## CIVIL PROCEDURE

(see also subdivision under White Russia)

Hearing procedures for recovery suits brought by the organs of social insurance need revision. N. Gizatullin, F. Kul'bisov. *Sov. iust.* 29 no. 11:14-15 Je '65.

Judelson, K. S., ed. [Soviet civil procedure law] *Sovetskoe grazhdanskoe protsessual'noe pravo. Moskva, Iuridicheskaya literatura, 1965. 470 p.*

Jurisdiction in civil litigations. V. Tarasenko. *Sov. iust.* 29 no. 9:22-24 My '65.

The prosecutor as a party in civil proceedings. R. Khlebnikova. *Sots. zakon.* 42 no. 3:40-42 Mr '65.

Special characteristics of the conclusion of an expert witness under Soviet civil procedure. IU. M. Zhukov. *Vest. Moskv. un. Ser. 10; Pravo* 20 no. 1:43-48 Ja-Mr '65.

## CIVILIZATION, MEDIEVAL see subdivision under Europe; Near East

## CIVILIZATION AND TECHNOLOGY see Technology and civilization

## CLADOCERA see Water fleas

## CLASSICAL PHILOLOGY

Radtsig, S. I. [Introduction to classical philology] *Vvedenie v klassicheskuyu filologiyu. [Moskva] Izd-vo Mosk. univ., 1965. 523 p.*

## CLASSIFICATION

Decisions of the Second International Conference on Research in the Field of Classification, adopted at the concluding session September 18, 1964. NTI no. 2:14-15 '65.

In the Interdepartmental Committee on Classification. L. S. Shubskaya. NTI no. 1:17 '65.

International Conference on Scientific Research in the Field of Classification. I. Toman. NTI no. 2:11-13 '65.

Meetings of the Central Classification Committee and the committees for the revision of the Universal Decimal Classification during the 30th annual conference of the International Federation of Documentation. NTI no. 3:45-47 '65.

## CLASSIFICATION—BOOKS—HISTORY

Moscow, Publichnaia biblioteka. [Library and bibliographic classification; tables for scientific libraries] *Bibliotечно-bibliograficheskaya klassifikatsiya, tablitsy dlia nauchnykh bibliotek. Moskva, Kniga, No. 14. [S Social sciences as a whole. T History. Historical sciences] C Obshchestvennye nauki v tselom. T Istoriia, Istoricheskie nauki. Pt. 3. [T3(4/9) History of foreign countries] T3(4/9). Istoriia zarubezhnykh stran. 1965. 393 p.*

## CLAVICLE—DISLOCATION

Conservative treatment of the dislocation of the acromial end of the clavicle. L. S. Iukhin. *Vest. khir.* 93 no. 11:104-105 N '64.

## CLAY

(see also subdivision under Dnieper-Donets Lowland, Saratov Province, Scotland, Ukraine)

Distribution of clay minerals according to fractions in sedimentary rocks. TS. M. Raitburd, A. M. Tsareva. *Lit. i pol. iskop.* no. 2:172-174 Mr-Ap '65.  
Effect of electrolytes and protective colloids on the change in structural-adsorptive deformations in the system clay-liquid. V. D. Gorodnov. *Koll. zhur.* 27 no. 2:178-181 Mr-Ap '65.

## CLAY—ANALYSIS

Characteristics of the mineralogical and chemical composition of clays useful for the production of keramzit. IU. M. Alekseev, V. L. Korzhabin. *Geol. zhur.* 25 no. 2:80-83 '65.

## CLAY PIPE see Pipe, Clay

## CLEANING

Lakhin, A. L., and B. N. Senchenko. [Dry cleaning of clothing] *Khimicheskaya chistka odevzhdy. Moskva, Legkaya industriia, 1965. 133 p.*

## CLEARING OF LAND see subdivision under Oka Valley

## CLERKS (RETAIL TRADE)

Women's handwork... S. Kapranov. *Sov. torg.* 36 no. 3:29-32 Mr '65.

## CLIMATOLOGY see also subdivision 'Climate' under Arctic regions

## CLOCKS, ELECTRIC

Automatic device for triggering signals. P. Ushechapovskii. *Radio* no. 3:44-45 Mr '65.

## CLOSTRIDIUM

Antigenic properties of the protoxin of the type E *Clostridium botulinum*. T. I. Bulatova. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:5-10 Ja '65.

Complexity of the somatic antigens of *Clostridium perfringens* types A, B, C, D, E and F. B. D. Bychenko. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:131-136 F '65.  
Enterotoxemia of cattle. K. R. Urgueev. *Veterinariia* 41 no. 4:34-36 Ap '65.

Prevention and control of *C. perfringens* in the production of canned cucumbers. S. A. Nikolaeva, N. N. Mazokhina. *Kons. i ov. prom.* 20 no. 6:24-28 Je '65.  
Toxicogenic properties of *Clostridium tetani* strains isolated from external environment. T. I. Sergeeva, M. I. Orzuev. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:112-117 Ja '65.

## CLOSTRIDIUM—CULTURES AND CULTURE MEDIA

Role of peptides in the formation of toxins by *Clostridium oedematis*. I. P. Malorova, E. V. Vlasova, N. G. Orlovskaya. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:95-98 F '65.

## CLOTHING, PROTECTIVE

More on protective clothing. V. Glumakov. *Okhr. truda i soiz. strakh.* 8 no. 4:26-27 Ap '65.

## CLOTHING AND DRESS

What a teacher should wear. N. A. Okuneva. *Nach. shkola* 33 no. 8:45-48 Je '65.

## CLOTHING INDUSTRY

**Alians'kiy, L. M.** [Laboratory manual on the equipment and mechanization of the clothing industry] *Laboratornyy praktikum po oborudovaniyu i mekhanizatsii shvelno-gorlovoizvestiya* Moskva, Iegkaya industriya, 1965, 80 p.  
Progressive system of operation and production planning and accounting. **M. V. Udrlov** *Shvein prom* no. 2 8-11 Mr-Apr '65  
Standard scheme of centralized delivery. **E. Taranenko** *Shvein prom* no. 10-12 Mr-Apr '65

## CLOTHING INDUSTRY—ACCOUNTING

Accounting in a production combine. **M. Bishaev, V. Lukin, G. Poltorak** *Rubg. uch. 22* no. 2, 34-42 F '65.  
Experience in the generalization of information on the expenditure of basic fabrics. **M. M. Klozner** *Shvein prom* no. 11-15 Mr-Apr '65

## CLOTHING INDUSTRY—HYGIENIC ASPECTS

Centralized dust removal in clothing factory shops. **V. A. Ermolaev** *Shvein prom* no. 2 16-18 Mr-Apr '65

## CLOTHING INDUSTRY—JOB DESCRIPTIONS

Improving the wage and occupation classification for clothing industry workers. **L. I. Basalygo, L. V. Koriakova** *Shvein prom* no. 2 4-7 Mr-Apr '65.

## CLOTHING INDUSTRY—QUALITY CONTROL

Producing only, excellent quality clothing is a serious problem facing the clothing industry workers. *Shvein prom* no. 2 1-3 Mr-Apr '65  
State Bank branches and improvement in the quality of consumers' goods. **M. Rabinovich, Den. kred.** 23 no. 6 21-25 Je '65.

## CLOTHING INDUSTRY—STUDY AND TEACHING

Organization of the independent work by students of correspondence schools. **S. I. Rusakov** *Shvein prom* no. 2 33-35 Mr-Apr '65

**CLOUDS** see subdivision under Caspian Sea region

## CLOVER AS FEED

Nutritional value of clover leaves as a concentrate substitute in swine feeding. **V. F. Levakova** *Trudy GSKHI* 9:189-195 '58.

## CLUBHOUSES—DESIGN AND CONSTRUCTION

New types of designs for rural club buildings. **H. Zen'kovich, A. Sichem'skiy** *Sil bud* 15 no. 2 7-9 F '65

## CLUTCHES (MACHINERY)

Use of free running clutches with disconnecting mechanism in the system of starting diesel engines. **V. E. Kozlov, N. P. Kotlikov** *Trakt. i sel'khoz mash.* no. 5 12-13 My '65

## CLUTCHES (MACHINERY)—TESTING

Stand testing of an experimental single disk pneumatic friction clutch with a retinax bearing. **V. F. Shmagno, I. V. Matrenitskiy** *[Nauch. trudy] ENIKMASha* 11: 78-92 '65

## COAGULATION

Coagulation zones in the course of action of surface-active agents on hydrophobic soils. **I. M. Glazman, M. F. Krasnokutskaya, I. P. Sapon** *Koll. zhur.* 27 no. 4 280 Mr-Apr '65  
Stability and coagulation of synthetic latexes. Part 6: Effect of secondary ions of electrolyte-coagulants on the kinetics of the first stage of coagulation. **R. E. Neiman, O. A. Lushchenko** *Koll. zhur.* 27 no. 2 454-458 Mr-Apr '65  
Stability of lyophilic soils and their coagulation by electrolytes. Part 5. Coagulation of strongly charged soils by electrolytes of various valence types. **V. M. Barboi, Koll. zhur. 27 no. 2 151-157 Mr-Apr '65.**

## COAL

Chemical concepts of the processes of formation of petrographic components of coals. **D. T. Zabravnyi, Uzb. khim. zhur.** 9 no. 3 43-45 '65.

## COAL MINERS

(see also subdivision under Donets Basin, Kuznetsk Basin, Vietnam, North)

After 20 years. **V. Razin** *Sov. shakht.* 14 no. 5:10 My '65.  
Back in the mining town of her birth. **P. Buzmakov** *Sov. shakht.* 14 no. 3 29 Mr '65  
Covering detachment of miners. **D. Onika** *Sov. shakht.* 14 no. 5:4-5 My '65.  
Donets Basin miners in Moscow. *Sov. shakht.* 14 no. 3:30 Mr '65  
Family. **T. Novikova** *Sov. shakht.* 14 no. 3 31 Mr '65  
Five generations of miners. **V. Silutun** *Sov. shakht.* 14 no. 3 26-28 Mr '65  
From Moscow to the Kuznetsk Basin to Moscow. **A. Kruglyakov** *Sov. shakht.* 14 no. 3 6-7 Mr '65  
Full of spirit. **V. Borisov** *Sov. shakht.* 14 no. 5:8 My '65.  
In the work vacated by soldiers. **I. Lupalo** *Sov. shakht.* 14 no. 3 33-34 Mr '65  
Like a relative. **L. Sanin** *Sov. shakht.* 14 no. 3:32 Mr '65  
Maksut's generous heart. **A. Shestakovich** *Sov. shakht.* 14 no. 5 13-14 My '65.  
A Marshal's son. **I. Timofeeva** *Sov. shakht.* 14 no. 5:11-13 My '65.  
Miner and partisan. **L. Sanin** *Sov. shakht.* 14 no. 5:9-10 My '65.  
Our hero. **K. Iakovlev** *Sov. shakht.* 14 no. 5:7 My '65.

## COAL MINERS—DISEASES AND HYGIENE

In the name of the collective. **I. D. Panov** *Sov. shakht.* 14 no. 5:33-35 My '65.

**COAL MINERS—DWELLINGS** see subdivision under Pechora Basin

## COAL MINES AND MINING

Always searching. **M. Shpilevoi** *Sov. shakht.* 14 no. 4 15 Mr '65  
Controlling rock pressure during the mining of steep seams without the presence of men in stopes. **V. V. Gubin** *Vop. gor. davl.* no. 22:29-32 '64.  
Covering detachment of miners. **D. Onika** *Sov. shakht.* 14 no. 5:4-5 My '65.  
Experience in using the OMKT complex in a seam with a pitch angle of 15-17°. **V. P. Angoleikov, B. S. Molosovov, L. A. Gel'tser** *Ugol'* 40 no. 5:52-55 My '65.  
For valiant work. **A. Pavlov** *Sov. shakht.* 14 no. 5:23-25 My '65.  
The giant straightens his shoulders. **N. Ladygin** *Sov. shakht.* 14 no. 3 24-25 Mr '65  
International solidarity of workers is the indomitable force in the fight for peace, democracy, and socialism. *Ugol'* 40 no. 5:1-4 My '65.  
Investigating the fractured state of rock in a massif surrounding a mine working. **A. M. Fridland, Shakht. stroi.** 9 no. 5:7-10 My '65.  
Jack of all trades. **P. Buzmakov** *Sov. shakht.* 14 no. 3 16 Mr '65  
**Kiev. Institut avtomatyky.** [Automation of industrial processes in the coal and ore mining industry] *Avtomatizatsiya proizvodstvennykh protsessov v ugol'noi gornorudnoi promyshlennosti.* Pod red. L. A. Skolkhot. Kiev, 1964. 101 p.  
Method of mining by weakening the massif. **I. Ishchuk, G. Kuznetsov** *Sov. shakht.* 14 no. 3 11-12 Mr '65.  
Mighty force of the present. **I. Gur'ev and others.** *Sov. shakht.* 14 no. 5:30-32 My '65.  
New records. *Ugol'* 40 no. 5:79-80 My '65.  
Only forward. **I. Padalka** *Sov. shakht.* 14 no. 5:27 My '65.  
Promising mining procedure. **A. Dovha, A. Abramovich** *Sov. shakht.* 14 no. 3 4-5 Mr '65  
Some results of investigating manifestations of rock pressure during cutter-loader mining operations. **E. A. Bober, V. N. Smirnov, N. A. Fedorov** *Vop. gor. davl.* no. 22:10-18 '64.  
Stability of "manless" mined coal workings in flat contiguous seams. **M. I. Veskov** *Vop. gor. davl.* no. 22: 18-28 '64.  
Systems of mining coal seams by longwalls equipped with complexes of machines with powered supports. **A. M. Kurnosov, V. M. Zыkov, L. A. Likal'ter** *Ugol'* 40 no. 5:85-89 My '65.

**COAL MINES AND MINING—ACCOUNTING** see subdivision under Moscow Basin

## COAL MINES AND MINING—CONGRESSES

Information report on the conference of the Central Scientific Technological Council for deep mines. **V. L. Grigor'ev, K. K. Gendel'** *Ugol'* 40 no. 5:81 My '65.

Research done by the Committee on coal of the 15th of Nations Economic Commission for Europe. **A. P. Pechenkov** *Ugol'* 40 no. 5:82-83 My '65

## COAL MINES AND MINING—COSTS

An economy of 100,000 rubles per year. **G. Buzmakov** *Sov. shakht.* 14 no. 3 17 Mr '65

## COAL MINES AND MINING—EQUIPMENT AND MACHINERY

(see also subdivision under Chelyabinsk Basin, Karaganda Basin, Kuznetsk Basin)  
Dulm, L. L., M. I. Bogdanov, and G. K. Kichayev. [Long term planning of timber for coal mines] *Prilozheniya k planirovaniyu lesomaterialov na ugol'nykh shakhtakh.* Syktyvkar, Komi knizhnou izd-vo, 1964. 47 p.  
Method of approximately estimating the strength of flexible shield elements. **L. S. Sen'ko, L. I. Tomashchuk** *Vop. gor. davl.* no. 22:52-56 '64.  
Mine support made of coal. **V. Matveyev** *Sov. shakht.* 14 no. 3 14 Mr '65  
Operation of the KM-87 complex. **V. N. Ostapenko, M. A. Mar'yanenko** *Ugol'* 40 no. 5:84 My '65

## COAL MINES AND MINING—FIRES AND FIRE PREVENTION

(see also subdivision under Kuznetsk Basin)  
Lessons learned from an accident. **V. V. Kashcheyev, V. N. Oglolbin** *Bezop. truda v prom.* 0 no. 3:3 3 Mr '65.  
Using a roof rock for preventing endogenic fires. **I. I. Kuz'minukh, Bezop. truda v prom. 0 no. 3:31 32 Mr '65.**

## COAL MINES AND MINING—LABOR PRODUCTIVITY

First discoverers of great possibilities. **B. I. Ilin** *Sov. shakht.* 14 no. 5:10-20 My '65.  
In a thin seam. **L. Shvets** *Sov. shakht.* 14 no. 3 13 Mr '65

**COAL MINES AND MINING—QUALITY CONTROL** see subdivision under Karaganda Basin

## COAL MINES AND MINING—SAFETY MEASURES

Pay more attention to blasting operations in mines. *Bezop. truda v prom.* 0 no. 3:1-2 Mr '65.

## COAL MINING MACHINERY

(see also subdivision under Donets Basin)  
Experience in using the OMKT complex in a seam with a pitch angle of 15-17°. **V. P. Angoleikov, B. S. Molosovov, L. A. Gel'tser** *Ugol'* 40 no. 5:52-55 My '65.  
First discoverers of great possibilities. **B. I. Ilin** *Sov. shakht.* 14 no. 5:10-20 My '65.  
In the Karaganda Basin. **P. K. Molodtsov** *Ugol'* 40 no. 5:11-13 My '65.  
In the Kuznetsk Basin. **V. B. Krylov** *Ugol'* 40 no. 5:14-17 My '65.  
Introducing a core drill for the recovery of coral samples. **S. S. Sulakshin, B. I. Ilin, L. A. Gel'tser** *Gos. nauch. i inzh. inst. nauch. i tekhn. inform.* 13 no. 6-7 Ap '65.  
Investigating aerodynamic resistance of longwalls equipped with OMKT complexes and "manless" supports. **V. V. Kaulshandov, V. Sh. Zamanaladze, G. Sh. Chikobava** *Ugol'* 40 no. 5:89-91 My '65  
Machinery in place of manual labor. **E. Pechenkov** *Sov. shakht.* 14 no. 3 16-17 Mr '65.  
Main objectives in the area of creating equipment for overall mechanization and automation of mining operations. **A. V. Topchikov, V. N. Khordin** *Ugol'* 40 no. 5:18-23 My '65.  
Most important trends in technical programs in the coal industry. **I. M. Kratenko** *Ugol'* 40 no. 5:5-13 My '65.

Nevertheless we were successful. **I. Pechenkov** *Sov. shakht.* 14 no. 5:28-29 My '65.  
Operation of the KM-87 complex. **V. N. Ostapenko, M. A. Mar'yanenko** *Ugol'* 40 no. 5:84 My '65  
Principles of creating automatic mining complexes for flat seams. **A. V. Dokukin** *Ugol'* 40 no. 5:18-23 My '65.

"Professor of cutter-loader operation." **N. Shvets** *Sov. shakht.* 14 no. 3 13 Mr '65.  
Systems of mining coal seams by longwalls equipped with complexes of machines with powered supports. **A. M. Kurnosov, V. M. Zыkov, L. A. Likal'ter** *Ugol'* 40 no. 5:85-89 My '65.

Using the OMKT and OMKU mechanized complexes in various conditions of mining geology. **D. T. Gendel', I. G. Agafonov** *Ugol'* 40 no. 5:58-57 My '65.

## COAL MINING MACHINERY—CATALOGS

[Mining machines] *Gornye mashiny.* [Moskva] Oostekhnizdat, 1961. 300 p.

## COAL MINING MACHINERY—DESIGN AND CONSTRUCTION

(see also subdivision under Donets Basin)

In the Moscow Basin State Experimental Institute of Design and Construction for the Mining Machinery Industry. V.I. Bobkov. Ugol' 40 no. 5:30-31 My '65.

In the State Experimental Institute of Design and Construction for the Coal Machinery Industry. S. Kh. Klorik'lan. Ugol' 40 no. 5:25-30 My '65.

In the State Experimental Institute of Design and Construction for the Mining Machinery Industry. V. A. Brenner. Ugol' 40 no. 5:32-33 My '65.

## COAL PREPARATION

Introducing a reagent for the flotation of coal smalls. V. M. Nazarenko, M. A. Bel'chikov. Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5:11 My '65.

Moscow, Institut gor'nykh iskopayemykh. [Preparation and complete utilization of fuel.] Obogashchenie i komplektnoe ispol'zovanie topiv. Moskva, Nedra, 1955. 255 p.

## COAST CHANGES

(see also subdivision under Caspian Sea)

Abrasive action of debris material in the coastal zone. G. A. Saf'lanov. Okeanologiya 5 no. 2:304-310 '65.

## COAST DEFENSES

Using aviation in coast anti amphibious defense. N. I. Semenov. Mor. sbor. 47 no. 5:29-35 My '64.

## COASTS see subdivision under Estonia, Rumania

## COAXIAL CABLES

Dispersion of the fading of the amplifying sections of coaxial cables. I. D. Farber. Elektrosvyaz' 10 no. 4:18-55 Ap '65.

Propagation of the fundamental wave in a coaxial line with a nonhomogeneous dielectric filling. V. G. Kartashev. Radiotekhn. i elektronika, 10 no. 6:1037-1064 Je '65.

## COBALT

Electrolytic production of cobalt precipitates with specified characteristics. N. T. Gofman, T. N. Nikol'skii. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 8 no. 1:104-110 '65.

Special features of the processes of cobalt precipitation by vanthates. A. L. Zaglanski. Zhur. prikl. khim. 30 no. 1:942-945 Ap '65.

## COBALT—ANALYSIS

Determination of microquantities of cobalt using radioisotopic titration and electrophoresis. I. G. Shafon, I. A. Strotina. Trudy IRIIA no. 25:244-248 '63.

## COBALT—EFFECT ON PLANTS see Plants, Effect of cobalt on

## COBALT CHROMATE—THERMODYNAMICS

Thermodynamic properties of cobalt chromate from electrochemical measurements at 1270-1480°K. V. A. Levitskii, T. N. Rezhukhina, A. S. Guzel. Elektrokhimiya 1 no. 2:237-239 F '65.

## COBALT COMPOUNDS

Carbonate ring breaking in a partially hydrolyzed tricarboxal cobaltate. V. A. Golovina, L. A. Kokh, S. K. Sokol. Zhur. neorg. khim. 10 no. 1:836-839 Ap '65.

Complex compounds of cobalt with glutamic acid. V. D. Panasuk, L. G. Reiter. Zhur. neorg. khim. 10 no. 6:1344-1349 Je '65.

Composition of compounds formed during the extraction of cobalt (II) by naphthene acids. L. V. Shkheeva. Zhur. neorg. khim. 10 no. 6:1406-1409 Je '65.

Four-membered carbonate ring breaking in tricarboxal cobaltate. V. A. Golovina, L. A. Kokh, S. K. Sokol. Zhur. neorg. khim. 10 no. 1:829-835 Ap '65.

## COBALT COMPOUNDS—SPECTRA

Infrared absorption spectra of trans-dihydroxyimines of trivalent cobalt with sulfonamides. A. V. Ablov, N. N. Proskina, V. N. Shadrinskii. Zhur. neorg. khim. 10 no. 6:1355-1359 Je '65.

## COBALT ISOTOPES

Experimental device for chronic irradiation of animals. I. A. Garmazova, Sh. M. Salimov. Med. rad 10 no. 3:81-82 Mr '65.

## COBALT ORGANIC COMPOUNDS

Interaction of chondromucoprotein and chondroitin-sulfate A with hexamminocobalt chloride. S. M. Bychkov, A. I. Khazanova. Biokhimiya 30 no. 1:141-147 Ja-F '65.

## COBALT PLATING

Effect of the sinusoidal current on the electrocrystallization of cobalt. Part I. Current efficiency, pH of the cathode layer, cathodic polarization. M. A. Popereka, V. I. Avramenko. Elektrokhimiya 1 no. 5:524-531 My '65.

## COBALT SALTS

Investigations of some processes of fine purification of cobalt salts using radioisotopes. G. I. Gershtein, G. A. Kurneva, I. A. Kifanova. Trudy IREA no. 25:104-122 '63.

Possibility of preventing the coprecipitation of cobalt (II) and iron (III). I. L. Teodorovich and others. Zhur. VKIIO 10 no. 2:238-239 '64.

Studying the catalytic activity of the cobalt salts of aliphatic monocarboxylic acids in the oxidation of p-xylylene. V. N. Aleksandrov and others. Khim. prom. 41 no. 5:336-337 My '65.

## COCCIDIOSIS

Comparative evaluation of drugs in coccidiosis of chicks. V. F. Kiylov. Veterinarika 42 no. 5:69-70 My '65.

Veterinary hygienic measures in coccidiosis of poultry. M. S. Bolko. Veterinarika 42 no. 5:101-102 My '65.

## COCKCHAFERS—BIOLOGICAL CONTROL

Basic problems and tasks of the microbiological control of May beetles. I. S. Averkiev. Mikrobiologiya 34 no. 2:370-373 Mr-Ap '65.

## CODFISH see subdivision under Barents Sea, North Sea, Norwegian Sea

## CODLING MOTH—BIOLOGICAL CONTROL

Effectiveness of the biological preparations entobacterin-3 and thuricide in the control of the codling moth. V. I. Andreeva. Sbor. nauch. rab. NIi sad. no. 10:148-151 '64.

## CODLING MOTH—EXTERMINATION see subdivision under Ukraine

## CODONOPSIS—PHYSIOLOGICAL EFFECT

Effect of a preparation of Codonopsis elemanidea on the bioelectric activity of the heart. T. D. Dzhumagaliyeva. Izv. AN Kazakh SSR. Ser. biol. nauk 3 no. 1:106-110 Ja-F '65.

## COENZYMES

Transformation of folic acid into coenzyme tetrahydro-folic acid by enzymatic systems of plants. N. A. Andreeva. Biokhimiya 30 no. 1:129-139 Ja-F '65.

## COFFEE—PACKAGING

Packaging of soluble coffee. B. V. Artem'ev and others. Kons. i ov. prom. 20 no. 6:10-12 Je '65.

## COKE

Falkov, A. S. [Forming the structure and properties of carbon and graphite materials] Formirovaniye struktury i svoystv uglegrafitovykh materialov. [Moskva] Metallurgiya, 1965. 287 p.

## COKE INDUSTRY—ELECTRIC EQUIPMENT

Kolpakov, G. M. [Electric equipment of plants of the coke by-product industry.] Elektrooborudovaniye kokso-khimicheskikh zavodov. Kiev, Tekhnika, 1965. 305 p.

## COKE-OVEN GAS

Using natural and coke gas in blast furnace production. G. D. Gol'derman. Metallurg 10 no. 6:13-14 Je '65.

## COLD—PHYSIOLOGICAL EFFECT

Cold. S. Ruchinskii. Sem'ia i shkola 20 no. 4:21 Ap '65.

Preservation of viability by micro-organisms under extremely low temperature. A. A. Alyverdiev. Mikrobiologiya 34 no. 2:255-267 Mr-Ap '65.

## COLD CATHODE TUBES

Thermal sputtering of certain grid coatings and their effect on the performance of radio tubes with oxide cathodes. A. D. Naroditskii and others. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 9 no. 2:49-53 '65.

## COLD STORAGE WAREHOUSES see subdivision under Kazan, Severodvinsk (Archangel Province); White Russia

## COLD STORAGE WAREHOUSES—MANAGEMENT see subdivision under Minsk

## COLD WELDING

(see also subdivision under White Russia)

Bonding of metals in a high vacuum. N. L. Golégo. Avtom. svar. 18 no. 3:18-20 Mr '65.

Formation of surfaces free of oxide films in diffusion bonding in a vacuum. V. T. Slepukha. Svar. proizv. no. 5:38-40 My '65.

Friction welding of dissimilar metals. L. A. Shcherbina. Avtom. svar. 18 no. 3:11-13 Mr '65.

Friction welding of marine engine valves. I. A. Gel'man, M. D. Temirov. Avtom. svar. 18 no. 3:54-56 Mr '65.

Friction welding of tools. A. F. Vavilov. Avtom. svar. 18 no. 3:51-53 Mr '65.

The nature of friction welding. A. S. Gel'man. Avtom. svar. 18 no. 3:5-10 Mr '65.

Optimal conditions for the friction welding of a tool. V. P. Volnov. Avtom. svar. 18 no. 3:14-18 Mr '65.

Technological possibilities of friction welding. review of patent data. T. Sh. Olesova. Avtom. svar. 18 no. 3:59-61 Mr '65.

Welding and hard facing by friction of agricultural machinery parts. R. I. Zakson, F. G. Turukin. Avtom. svar. 18 no. 3:48-50 Mr '65.

## COLD WELDING—EQUIPMENT AND SUPPLIES

Friction welding equipment. M. M. Shpel'man. Avtom. svar. 18 no. 3:39-43 Mr '65.

Friction welding equipment. Svar. proizv. no. 4:39 Ap '65.

Specialized machines for friction welding. I. I. Karaash. Avtom. svar. 18 no. 3:44-47 Mr '65.

## COLD WELDING—TESTING

Cold welding of dissimilar metals. K. K. Khrenov, P. I. Gurskii, V. I. Balakin. Avtom. svar. 18 no. 3:21-22 Mr '65.

Studies in the area of techniques of friction welding of ferrous metals. V. I. Vilih, E. S. Komarcheva. Avtom. svar. 18 no. 3:35-38 Mr '65.

## COLITIS

Clinical significance of aspiration biopsy of the mucous membrane of the large intestine in chronic colitis. A. G. Saakian. Sov. med. 28 no. 4:30-33 Ap '65.

## COLLAGEN

Effect of some electrolytes and enzymes on the synthetic fibers obtained from the products of the solute of sheepskin derma. S. A. Kaspariants, I. S. Shestakova, N. V. Safonova. Nauch. trudy MTILP no. 30:10-17 '64.

Effect of the unhairing methods on the properties of the products of the solute of sheepskin derma. S. A. Kaspariants, I. S. Shestakova, N. G. Pozdnakova. Nauch. trudy MTILP no. 30:3-9 '64.

## COLLECTIVE FARMS

(see also subdivision under Ukraine)

The development of collective farming in the spring and summer of 1930. M. L. Bogdenko. Ist. zap. 76:17-41 '65.

Urgent tasks of trade unions in villages. I. Mel'nikov. Okhr. truda i sots. strakh. 8 no. 4:3-4 Ap '65.

## COLLECTIVE FARMS—ACCOUNTING

(see also subdivision under Minsk Province)

Lishanski, M. L., A. D. Pogrebniak, and S. V. Tatintslan. [Guaranteed wages and business accounting on a collective farm.] Garantirovannaya optatn i kozhraschet v kol'khoze. Moskva, Kolos, 1965. 85 p.

## COLLECTIVE FARMS—FINANCE

(see also subdivision under Moldavia; Vologda Province)

Bulochnikov, I. A., and E. S. Gorodetskii. [Technological progress and the profitability of collective farm production.] Tekhnicheskii progress i rentabel'nost' kol'hoznoy proizvodstva. Moskva, Ekonomika, 1965. 214 p.

Long-term credit and strengthening the economy of collective farms. S. Nosyrev. Den. i kred. 23 no. 6:34-37 Je '65.

## COLLECTIVE FARMS—INCOME DISTRIBUTION

(see also subdivision under Khmel'nitskiy Province; Ukraine)

Lishanski, M. L., A. D. Pogrebniak, and S. V. Tatintslan. [Guaranteed wages and business accounting on a collective farm.] Garantirovannaya optatn i kozhraschet v kol'khoze. Moskva, Kolos, 1965. 85 p.

We are for the piecework wage system. M. Baranov. Ekon. Rad. Ukr. 8 no. 3:33-35 Mr '65.

## COLLECTIVE FARMS—INTERFARM COOPERATION

Sokolov, I. A. [Interfarm production associations.] Mezhh. kol'hoznyye proizvodstvennyye svyazi. Moskva, Izd-vo "Znanie," 1965. 84 p. (Narodnyi universitet kul'tury; Sel'skokhoziaistvennyi fakul'tet, no. 3)

Strengthening legality in the economic operations of inter-farm organizations. N. Mukhitdinov. Sots. zakon. 42 no. 3:53-54 Mr '65.

## COLLECTIVE FARMS—LABOR PRODUCTIVITY

(see also subdivision under Azerbaijan; Tiraspol District)

Burkatskaya, G. E. [On the way to a steep upsurge in the economy] Po puti krutogo pod'oma khoziaistva. Moskva, Kolos, 1964. 86 p.

## COLLECTIVE FARMS—LAWS AND LEGISLATION

It is time to revise the decree on the forests owned by collective farms. L. Zaslavskaya, A. Panask. Sov. iust. 29 no. 11:13-15 Je '65.

## COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Turkmenistan)

Collective farms should have superior elective organs of their own. P. Rukavets. Ekon. Rad. Ukr. 8 no. 6:58-60 Je '65.

How specialization benefited the Kalinin Collective Farm. E. Orlov. Ekon. Rad. Ukr. 8 no. 3:77-78 Mr '65.



## COLLECTIVE FARMS—PENSIONS

For a correct application of the law on pensions and benefits to collective farm members I Gushchin. Sov. iust. 29 no. 9:18-19 My '65.  
Order of allotment and payment of pensions to collective farmers. Kom. Vopr. 28 no. 10:82-84 My '65.

## COLLECTIVE FARMS—TAXATION

New procedure applied to collective farms for computing and paying their income tax. V. Pavlov. Fin. SSSR 39 no. 6:73-76 Je '65.

## COLLISIONS (NUCLEAR PHYSICS)

Angular distribution of shower particles in collisions of 24 Bev. protons with nucleons and nuclei of a photoemulsion. Sh. Abdurhamilov and others. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk. 9 no. 1:98-104 '65.

The Bethe-Salpeter equation and the significance of "central" interactions. I. M. Dremin and others. Zhur. eksp. i teor. fiz. 48 no. 3:952-964 Mr '65.

Characteristics of focusing atomic collisions in the cathode sputtering of tungsten and molybdenum single crystals. R. A. Ashmanovskii, M. B. Ben'iaminov, V. I. Vekaler. Fiz. tver. tela 7 no. 6:1623-1629 Je '65.

Electron exchange and changes in the hyperfine state of colliding alkaline metal atoms. B. M. Smirnov, M. I. Chibrikov. Zhur. eksp. i teor. fiz. 48 no. 3:939-945 Mr '65.

Model of the three-particle unitarity condition for complex momenta. I. A. I. Azimov and others. Izd. fiz. 1 no. 6:1121-1126 Je '65.

Photon emission due to the production of muon pairs in electron-positron collisions. V. N. Baier, V. A. Khoze. Zhur. eksp. i teor. fiz. 48 no. 3:946-951 Mr '65.

Study of four-pointed stars in  $\pi^+\pi^-$  interactions at a primary momentum of 3.5 GeV. /a. M. S. Anudinov and others. Izd. fiz. 1 no. 6:1071-1078 Je '65.

Use of the neutron-proton coincidence method in studying the angular and energy correlations in the  $N(d, np)N$  reaction. O. F. Nemets, M. V. Sokolov, B. G. Struzhko. Izd. fiz. 1 no. 6:1014-1018 Je '65.

## COLLISIONS AT SEA—PREVENTION

Baranov, I. U. K., and M. M. Leskov. [Collection of problems on the use of radar in the prevention of ship collisions] Sbornik zadach po ispol'zovaniyu radiolokatora dlia preduprezhdeniya stolknovenii sudov. Moskva, Transport, 1964, 60 p. (Kursy usovershenstvovaniya plavsoztava MMT) [MICROFILM]

International law system of navigation safety. I. E. Tarkhanov. Mor. sbor. 48 no. 6:24-30 Je '65.  
A thorough knowledge of the regulations for the prevention of ship collisions at sea for every officer. V. S. Baryshev. Mor. sbor. 47 no. 5:58-60 My '64.

## COLLOIDS

Coagulation zones in the course of action of surface-active agents on hydrophobic solids. I. M. Glazman, M. E. Krasnokutskaya, I. P. Sapon. Koll. zhur. 27 no. 2:290 Mr-Apr '65.

"Course in colloid chemistry" by S. S. Volutskii. Koll. zhur. 27 no. 2:282-283 Mr-Apr '65.

Effect of hydrothermal treatment of the silicic acid hydrogel on the structure and properties of xerogel. V. M. Chertov, D. B. Dzhambaeva, I. E. Netmark. Koll. zhur. 27 no. 2:278-283 Mr-Apr '65.

Stability and aging of stabilized organosols of some metals. M. A. Lunina, T. A. Sharaf. Koll. zhur. 27 no. 2:232-233 Mr-Apr '65.

Stability of lyophobic sols and their coagulation by electrolytes. Part 5: Coagulation of strongly charged sols by electrolytes of various valence types. V. M. Barboi. Koll. zhur. 27 no. 2:151-157 Mr-Apr '65.

Use of mixtures of protective colloids for regulating the granulometric composition of vinyl chloride copolymers. A. G. Kronman, B. I. Fedoseev, D. M. Ivanovskii. Plast. massy no. 5:68-70 '65.

## COLLOIDS—DIPOLE MOMENTS

Interaction between colloidal particles having dipole molecules adsorbed on their surface. G. A. Martynov, V. P. Smilga. Koll. zhur. 27 no. 2:250-253 Mr-Apr '65.

## COLLOIDS—THERMAL PROPERTIES

Thermal characteristics of gels. L. I. Khomutov, E. P. Korzhagina, S. A. Glikman. Zhur. prikl. khim. 38 no. 4:788-791 Ap '65.

## COLOMBIA—NAME

"The Eastern Republic of Uruguay" and "Colombia," and why they are so named. A. M. Samolov. Vop. ist. 40 no. 6:216-218 Je '65.

## COLOMBIA—POLITICS AND GOVERNMENT

In Colombia, in our country... an interview. Garavito Munoz. Nov. vrem. 23 no. 26:21-23 Je '65.

## COLON (ANATOMY)—BIOPSY

Clinical significance of aspiration biopsy of the mucous membrane of the large intestine in chronic colitis. A. G. Saakian. Sov. med. 28 no. 4:30-33 Ap '65.

## COLON (ANATOMY)—CANCER

Importance of the localization, histological structure and the degree of spreading of cancer of the rectum and sigmoid in its recurrence. V. I. Stollarov. Vop. onk. 11 no. 3:26-30 '65.

## COLON (ANATOMY)—NECROSIS

Selection of the method of surgical intervention in sigmoid gangrene in elderly and senile patients. V. N. Meshkova. Trudy Inst. im. N. V. Sklif. 9:111-118 '63.

## COLON (ANATOMY)—OBSTRUCTIONS

Giant coprolite in the megacolon of a three-year-old child. V. M. Belozorov. Vest. rent. i rad. 40 no. 2:70-71 Mr-Apr '65.

## COLON (ANATOMY)—SURGERY

Selection of the method of surgical intervention in sigmoid gangrene in elderly and senile patients. V. N. Meshkova. Trudy Inst. im. N. V. Sklif. 9:111-118 '63.

## COLONIES

Modzhinskaya, E. D. [Disintegration of the colonial system and the ideology of imperialism] Raspad kolonial'noi sistemy i ideologiya imperiializma. Moskva, Nauka, 1965, 341 p.

## COLOR CENTERS

Electron paramagnetic resonance in  $\text{BaTiO}_3$  single crystals containing color centers. E. V. Bursian, I. U. L. Daniluk, V. V. Shapkin. Izv. AN SSSR. Ser. fiz. 29 no. 6:990-993 Je '65.

Temperature dependence of the cross section of hole trapping by impurity centers in germanium. A. D. Beltaev, S. S. Malogolovets. Fiz. tver. tela 7 no. 6:1894-1897 Je '65.

## COLOR IN INDUSTRY

Identification code coloring of intrashop piping systems. V. Blokhin. Tekh. est. no. 3:19-20 Mr '65.

## COLOR MOTION-PICTURE PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Some causes of instability in the processing of positive color films. S. E. Tikhonovich, L. S. Sevast'yanova. Tekh. kino i telev. 9 no. 4:51-55 Ap '65.

## COLOR MOTION PICTURES

Comparing the two methods for measuring the visual equivalent neutral density. L. K. Krupenin. Tekh. kino i telev. 9 no. 6:44-50 Je '65.

## COLOR OF PLANTS

Role of flavoprotein and copper-containing protein enzymes in the oxidative metabolism of plants with varicolored leaves. B. A. Rubin, I. A. Chernavina, T. E. Krendelova. Fiziol. rast. 12 no. 2:204-209 Mr-Apr '65.

## COLOR SENSE

Insects and color. G. A. Mazokhin-Forshtak. Priroda 54 no. 6:58-62 Je '65.

## COLOR TELEVISION

An example of fruitful cooperation. T. Ievleva. Mezhdunar. zhizn' 12 no. 7:145-147 Ji '65.

## COLOR TELEVISION—EQUIPMENT AND SUPPLIES

Coding device for stereocolor television systems. V. S. Shumilov. Tekh. kino i telev. 9 no. 3:45-49 Mr '65.

## COLOR GLASS see Glass, Colored

## COLORING MATTER

Transparent silicate luster colors and metallic oxide coatings for decorating glassware. N. A. Iudin, A. M. Tinkov, N. A. Belova. Stek. i ker. 22 no. 6:19-21 Je '65.

## COLORING MATTER IN FOOD

Problem of food colors of plant origin. S. D. Shteynbok, L. I. Medvedev. Rast. res. 1 no. 1:50-54 '65.

## COLPOSCOPY

Use of colpocopy and colpophotograms in the detection and evaluation of the effectiveness of the treatment of precancer and cancer of the cervix uteri. C. V. Katralis. Vop. onk. 11 no. 1:53-58 '65.

## COMBINES (AGRICULTURAL MACHINERY)

Coupling the "Khersonets" combine with the SK-3 combine. I. I. A. Chumachenko. Sbor. rab. po mekh. i elektr. sel'khoz. stroit. 6:29-32 '63.

## COMBINES (AGRICULTURAL MACHINERY)—WELDING

Reducing the consumption of carbon dioxide in the welding of combine units. A. T. Baikulov. Avtom. svar. 18 no. 4:53 Ap '65.

## COMBUSTION

Determination of combustion characteristics using a gas analysis method. V. I. Khvostov, V. I. Solonin. Teploenergetika 12 no. 3:68-70 Mr '65.

Effect of the coefficient of excess air on the radiation of a luminous torch. A. G. Blokh, P. A. Zolotarev. Teploenergetika 12 no. 3:38-41 Mr '65.

Theory of propagation of a flame. S. A. Kaganov. Prikl. mat. i mekh. 29 no. 2:377-342 Mr-Apr '65.

## COMBUSTION, HEAT OF see Heat of combustion

## COMMANDER ISLANDS see Komanadorskkiye Ostrova

## COMMERCIAL AERONAUTICS see Aeronautics, Commercial

## COMMERCIAL AGENTS

Announcements. Vneshtorg. 46 no. 6:54-57 '65.

## COMMERCIAL CORRESPONDENCE

Rabonovich, P. A. [Business correspondence and documents] Korrespondentskaya i delopisnaya literatura. Moskva, Kolos, 1965, 142 p. (Uchebniki i uchebnye posobie dlia sel'skokhoziaistvennykh tekhnikumov)

## COMMERCIAL CRIMES

Responsibility for speculation. G. Vol'mann. Sots. zakon. 42 no. 6:28-30 Je '65.  
Vol'mann, G. I. [Struggle against speculation under the Soviet law] Bor'ba so spekulatsiei po sovetskemu zakonu. Izdatel'stvo. [Saratov] Izd-vo Saratovskogo univ., 1964, 132 p.

## COMMERCIAL LAW

Laptev, V. V., ed. [Regulation of the national economy, articles] Voprosy regulirovaniya narodnogo khoziaistva, sbornik statei. Moskva, Gos. izd-vo turiz. lit-ry, 1962, 188 p. (CS-H)

## COMMERCIAL PRODUCTS

[New consumer goods; information bulletin] Nov. tovar.; Inform. bul. no. 6 '65.

## COMMONWEALTH OF NATIONS

Great Britain; the course remains the same. H. Fatme-Datt. Mezhdunar. zhizn' 12 no. 6:24-31 Je '65.

## COMMUNICABLE DISEASES see subcategory under

Mongolia

## COMMUNISM

Banner of Leninism is inviolable. Gor. khoz. Morsk. 43 no. 4:1 Ap '65.

The building of communism and the development of the workers' spiritual culture. V. Kolobkov. Kom. Mur. no. 8:10-20 Je '65.

Day of International Solidarity. Mor. sbor. 47 no. 5:3-6 My '65.

Discussion of the book "Communism and personality." E. I. Gudinskaya. Vop. filos. 19 no. 6:140-150 '65.

Dudich, Z. Z. [Economic laws and their use in the building of communism] Ekonomicheskie zakony i ikh ispol'zovanie v stroitel'stve kommunizma. Minsk, Nauka i tekhnika, 1965, 218 p.

Military problems in a course in the fundamentals of scientific communism. S. Golikov. Kom. Vopr. 28 no. 11:38-42 Je '65.

Powerful forces of friendship and fraternity. H. Kenesbaev. Nar. khoz. Kazakh. 23 no. 3:70-80 Mr '65.

Subject matter of scientific communism and its place in the system of social sciences. E. V. Tadevosian. Vop. ist. 40 no. 6:13-17 Je '65.

Vodolazskii, A. F. [From the history of the struggle of Marx and Engels for collective party guidance] Istoriya bor'by Marksa i Engelsa za kollektivnyy partizatsionnyy rukovodstvo. Tashkent, Gos. izd-vo UzSSR, 1963, 86 p. (CS-H) (NIC)

## COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

## COMMUNISM—STUDY AND TEACHING

One search differs from another. A. A. Kal'manson. Vest. vyz. shkoly 23 no. 6:73-78 Je '65.

We combine the various methods of conducting seminars. R. V. Volkov. Vest. vyz. shkoly 23 no. 6:76-81 Je '65.

## COMMUNISM AND ART

Make the beautiful a part of life! Iskustvo 26 no. 3:3-5 '65.

Some problems of technical aesthetics. S. Valerius. Iskustvo 26 no. 4:28-32 '65.

To suitably portray the great causes of the Soviet people. Teatr 26 no. 3:33-36 Mr '65.

## COMMUNISM AND LITERATURE

Civic enthusiasm in our poetry. S. Narovchikov. Kommunist 42 no. 11:70-82 Ji '65.

Publicism in the drama of literature. Anna Moroz. Oktabr' 41 no. 4:193-194 Ap '65.

## COMMUNISM AND RELIGION

**Albrecht, Eshard.** [Anticommunism, the ideology of clerical militarism. Translated from the German] Antikommunizm - ideologija klerikal'nogo militarizma. Vstup. stat'ia A. M. Kovaleva, Red. A. A. Makarov. Moskva, Izd-vo Inost. lit-ry, 1903. 120 p. (NCB)

**Kanapa, Jean.** [The social doctrine of the church and marxism. Translated from the French] Sotsial'naya doktrina tserkvi i marksizm. Moskva, Progress, 1964. 414 p. (CS-I)

**COMMUNISM AND SOCIETY** see subdivision under Latvia

## COMMUNIST COMPETITION

(see also subdivision under Kuzganga Province, Leningrad, Ural'sk)

Expand the development of the communist labor movement. A. Kozhevnikov, Den. kred. 23 no. 5:44-47 My '65.

Mighty force of the present. I. Gut'ev and others. Sov. shakht. 14 no. 5:30-32 My '65.

## COMMUNIST COUNTRIES—ARMY

Combat cooperation of brother peoples. A. Grechko, Voenn.-ist. zhur. 7 no. 5:10-25 My '65.

## COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

At the conference of economists in Bulgaria. K. V. Ostrovoianov. Vest. AN SSSR 35 no. 5:89-93 My '65.

## COMMUNIST COUNTRIES—MACHINE ACCOUNTING

Cooperation of the fraternal socialist countries in machine accounting. Bukh. uch. 22 no. 2:80 F '65.

## COMMUNIST COUNTRIES—PHYSICS—INTERNATIONAL COOPERATION

Joint research on semiconductors. V. A. Kudriavtsev, A. I. Rogol'. Vest. AN SSSR 35 no. 5:86-88 My '65.

## COMMUNIST EDUCATION

(see also subdivision under Baku, Latvia)

**Kolov, L. I., ed.** [Educating the new man is a practical task of our time, in Helog] Vospitanie novogo cheloveka - prakticheskaya zadacha nashikh dnei; sbornik stat. Izhevsk, Izd-vo "Udmurtiia," 1964. 86 p. (CS-II) (OCU)

Let's train them according to the examples of heroism. G. V. Rumiantseva, E. M. Gankina. Nach. shkola 33 no. 5:22-28 My '65.

Most important topic. V. Beliaev. Nar. obr. no. 7:78-79 JI '65.

Talking about Lenin in classes. V. G. Gorodskii, L. S. Gellerstein. Nach. shkola 33 no. 4:17-15 Ap '65.

Training based on revolutionary traditions. N. Titova, E. Kiseleva. Doshk. vosp. 30 no. 4:8-9 Ap '65.

The vital mission of youth is to build communism. Kommunist 42 no. 10:3-11 JI '65.

## COMMUNIST EDUCATION—AUDIO-VISUAL AIDS

(see also subdivision under Krasnodar Territory)

Raise the level and effectiveness of visual propaganda. M. Morozov. Agitator 33 no. 9:53-56 My '65.

## COMMUNIST ETHICS

Every collective should be an educator. Part. zhizn' no. 12:3-7 Je '65.

Exactness and sensitivity. N. Belous. Komm. Vooruzh. Sil 46 no. 10:31-36 My '65.

The problem of the criterion of moral progress. N. N. Kulikova, G. K. Gumenitakh. Vest. Mosk. un. Ser. 8: Ekonom., filoz. 20 no. 2:35-42 Mr-Apr '65.

## COMMUNIST INTERNATIONAL

At the Sixth Congress of the Communist International. P. Reitman. Vop. ist. KPSS 9 no. 7:106-115 JI '65. G. M. Dimitrov's reports to the Seventh Congress of the Communist International. Vop. ist. KPSS 9 no. 7:63-83 JI '65.

## COMMUNIST LABOR

see Communist competition

## COMMUNIST PARTIES

Marxism-Leninism on the international unity and solidarity of the communist parties. Komm. Vooruzh. Sil. 46 no. 8:76-82 Ap '65.

Unity of all revolutionary forces is demanded by the epoch. A. Berezkin, E. Sokolov. Kommunist. 42 no. 11:83-91 JI '65.

## COMMUNIST PARTIES—BIBLIOGRAPHY

see Bibliography—Communist parties

## COMMUNIST PARTY

see subdivision under Czechoslovakia

Germany, East; Latvia; Peru; United States

## COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Azerbaijan; Irkutsk Province; Kiev; Lithuania; Taganrog; Tuva A.S.S.R.; Ukraine; Zornograd District)

The CPSU, organizer of victory in the Great Patriotic War. P. Zhilin. Voenn.-ist. zhur. 7 no. 5:3-16 My '65.

Documents of the Registering and Distribution Section of the Central Committee of the Russian Communist Party (Bolshevik), April 1919-March 1924. V. A. Aslupenkov. Vop. ist. KPSS 9 no. 7:123-126 JI '65.

Great victory of the Soviet people. Agitator 33 no. 9:3-7 My '65.

In accordance with the decisions of the Plenum. Agitator 33 no. 9:10-43 My '65. **Kashinov, S. S., M. Mukharlamov, and M. Saldasheva.** Sklubl'gareli Suid-Galiev, Kazan', Tatarskoe knizhnoe izd-vo, 1964. 85 p. (CS-II)

Kommunisticheskaya partiia Sovetskogo Soiuza. [Statute; approved by the 22d Congress of the CPSU] Ustav. Utverzden XXII s'ezdom KPSS. [Moskva, Gospolitizdat, 1961] 127 p. (CLU)

Leninist course of foreign policy of the CPSU. N. Cherepanov. Komm. Vooruzh. Sil 46 no. 10:63-69 My '65.

**Luk'ianov, A. N., and V. A. Rodionov.** [Party and state control in industry] Partiiu-gosudarstvennyi kontrol' v promyshlennosti. Moskva, Mysl', 1965. 278 p. Moscow, Akademiia obshchestvennykh nauk. [V. I. Lenin and the development of the party during the first years of the Soviet regime] V. I. Lenin i staoteli'stvo partii v pervyye gody Sovetskoi vlasti. Moskva, Mysl', 1965. 243 p.

The party leads us along the Leninist path of victories. P. Efimov. Komm. Vooruzh. Sil 46 no. 8:9-18 Ap '65.

Political sections of the machine-tractor stations, 1933-1934. I. E. Zelenin. Ist. zap. 76:42-61 '65.

A review of documents of the Information Section of the Central Committee of the Russian Communist Party (Bolshevik). V. P. Nikolaeva. Vop. ist. KPSS 9 no. 7:116-122 JI '65.

The revisionary commissions of party organizations. Part. zhizn' no. 12:42-44 Je '65.

The secretary as an organizer of collective work. G. Uskov, V. Akimov. Part. zhizn' no. 12:28-32 Je '65.

The struggle of the Communist Party against Trotskyism during the discussion period of 1923 and 1921. A. G. Titov. Vop. ist. KPSS 9 no. 7:30-52 JI '65.

## COMMUNIST PARTY OF THE SOVIET UNION—MEMBER—SHIP

Some problems of admittance into the CPSU. Komm. Vooruzh. Sil 46 no. 11:88-89 Je '65.

## COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Karelia, Mordovia, Odessa Province, Tuapse District, Yaroslavl Province) **Bolotnik, I. A.** [Serve communism by word and by deed] Delom i slovom kommunizmu s'uzhiti'. Dushanbe, Tadzhikgosizdat, 1963. 61 p. (CS-II)

The book trade as a constituent part of general party work. Komm. Ukr. 39 no. 6:83-86 Je '65.

Combat program. Sov. voia 47 no. 7:1 Ap '65.

Every collective should be an educator. Part. zhizn' no. 12:3-7 Je '65.

Fighter of the party. Komm. Vooruzh. Sil 46 no. 10:3-8 My '65.

Initiative in work should be noted and encouraged. Kommunist 42 no. 11:3-11 JI '65.

International solidarity of workers is the indomitable force in the fight for peace, democracy, and socialism. Ugol' 40 no. 5:1-4 My '65.

**Mosinin, I. D.** [The pedagogical element in party work] Element pedagogiki v partiinoi rabote. Moskva, Politizdat, 1965. 78 p. (Voprosy partiinogo stroitel'stva)

Political propaganda and the propagandist. M. Kur'lanov. Kommunist 42 no. 10:46-52 JI '65.

Rule of the people. Sov. shakht. 14 no. 3:1-2 Mr '65. Signs of the new trend. Part. zhizn' no. 12:74-77 Je '65.

The style of leadership and the training of workers. P. Mosherov. Kommunist 42 no. 11:24-31 JI '65.

## COMMUNIST PROPAGANDA

see Propaganda, Communist

## COMMUNIST STATE

From the state of the dictatorship of the proletariat to the state of all the people. V. I. Razin. Vop. filoz. 19 no. 6:115-25 '65.

The period of the transformation of the state of the dictatorship of the proletariat into an all-peoples state. A. I. Denisov. Vest. Mosk. un. Ser. 10: Pravo 20 no. 1:3-11 Ja-Mr '65.

## COMMUNIST STRATEGY

Lenin's tactics of the utilization of left blocs and compromises in the struggle for a united revolutionary front. V. K. Gubunlia. Vop. ist. KPSS 9 no. 7:23-38 JI '65.

## COMMUNIST YOUTH LEAGUE

(see also subdivision under Khabarovsk; Kuznetsk Basin; Moscow, Skldal' region, White Russia, White Russia, Yuzhno-Sakhalinsk, Sakhalin) Being with young people at all times and places. V. Mitroshenkov. Komm. Vooruzh. Sil 46 no. 11:78-82 Je '65.

If initiative had been shown. Vadim Chublanov. Part. zhizn' no. 12:19-53 Je '65.

It's the same way with us. V. Samokhin. Grazhd. av. 19 no. 6:7 Je '62.

Process of developing a new man has many facets; comments by the leaders of the Communist Youth League in institutions of higher learning. Vest. vye. shkoly 23 no. 6:57-63 Je '65.

**Riabov, V. V.** [Youth matures in work] V tude muzhaet lunost'. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1964. 43 p. (CS-II)

Standard-bearers. E. Anapuu. Komm. Vooruzh. Sil 46 no. 8:62-63 Ap '65.

To the sons about the feats of their fathers. V. Ustalov. Komm. Vooruzh. Sil 46 no. 8:64 Ap '65.

**Vsesoluznyi leninskii kommunisticheskii souz mlodezhi.** [Statute of the Communist Youth League, approved by the 14th Congress of the Communist Youth League] Ustav Vsesoluznogo Leninskogo Kommunisticheskogo Soiuza Molodezhi, prinat XIV s'ezdom VLSM. [Moskva, Molodaya gvardiia, 1964. 31 p. (NCC)]

We are the young guard; for the Soviet Youth Day. S. Pavlov. Agitator 33 no. 11:7-11 Je '65.

What a study-room style leads to. O. Lovdgin. Komm. Vooruzh. Sil 46 no. 11:82-83 Je '65.

What working collectively means. A. Mamaev. Komm. Vooruzh. Sil 46 no. 10:57-62 My '65.

## COMMUNIST YOUTH LEAGUE—SONGS AND MUSIC

**Zaharedni, H. M.** [Songs of the Komsomol youth] Pesni komsomol'skikh lunatstva. Minsk, Belarus', 1964. 31 p. (Biblioteka komsomol'sta shkol'nika)

## COMMUNISTS

(see also subdivision under Moscow)

Command of the heart. L. Korneshov. Agitator 33 no. 11:34-35 Je '65.

[Genuine people, sketches about Communists] Nastoiashchie ljudi, ocherki o kommunistakh, [Iaroslavl] Iaroslavskoe knizhnoe izd-vo, 1963. 86 p. (CS-II)

[Soldiers of the party] Soldaty partii. Kazan' Tatarskoe knizhnoe izd-vo, 1964. 105 p. (CS-II)

## COMMUNITY AND SCHOOL

(see also subdivision under Feodosiya, Ukraine, Voronezh)

Our community councils. A. Maslov. Sred. spets. obr. 12 no. 2:44-46 F '65.

Our visitors. "For the dynamic tempo." I. Frolov, S. Antonov. Sem'ta i shkola 20 no. 4:8-9 Ap '65. Thirty passes to life. A. Osipov. Nar. obr. no. 7:76-77 JI '65.

## COMMUNITY CENTERS

(see also subdivision under Losevo, Voronezh Province)

Imminent problems. I. Turkin. Part. zhizn' no. 12:45-48 Je '65.

## COMMUNITY LIFE

(see also subdivision under Archangel Province; Kherson Province) Our street's festival. Sh. Kagan. Zhil.-kom. khoz. 15 no. 1:14 Ja '65.

## COMMUTATION (ELECTRICITY)

Physics of the slip contact of d.c. machines with silicon organic insulation. G. M. Fridman. Elektrotehnika 36 no. 3:61-64 Mr '65.

## COMPARATIVE ANATOMY

see Anatomy, Comparative

## COMPARATIVE AND GENERAL GRAMMAR

see Grammar, Comparative and general

## COMPARATIVE PSYCHOLOGY

see Psychology, Comparative

## COMPASS

Wonderful guide. IA. Shur. Sem'ta i shkola 20 no. 4:44 Ap '65.

## COMPENSATION (LAW)

Change the procedure in damage compensation. A. Shetukin. Sov. iust. 29 no. 8:25-26 Ap '65.

## COMPENSATION, WORKMEN'S

see Employers' liability

## COMPLEMENT FIXATION

Examination of dogs for toxoplasmosis. I. D. Netrebko and others. Veterinaria 42 no. 5:71-72 My '65. Results of examining animals for toxoplasmosis using the complement fixation reaction. E. P. Kovaleva and others. Veterinaria 42 no. 5:70-71 My '65.

## COMPLEX COMPOUNDS

Complex compounds formed by alkyl- and polyalkyl-chlorophosphines with aluminum chloride. Part 7: Reduction of complex compounds by metals and metal hydrides. V. G. Gruzdev, S. Z. Ivin, K. V. Karpavananov. Zhur. ob. khim. 35 no. 6:1027-1029 Je '65.

## COMPLEX COMPOUNDS (Continued)

- Complexes of chromium and iron chlorides with 1-dimethylamino-5-methyl-2-hydroxy-5-ol. S. N. Avakian, Zhur. neorg. khim. 35 no. 5 534 My '65
- Derivatives of the reaction of salicylaldehyde thiosemicarbazone with nickel, copper, and zinc. A. V. Ahtlo, N. V. Gerbeleu, Zhur. neorg. khim. 10 no. 5 1155-1159 My '65
- Effect of the nature of neutral ligands on certain properties of uranyl complex compounds. S. M. Simoni, N. M. Simoni, Zhur. neorg. khim. 10 no. 4 923-926 Ap '65
- Extraction of microimpurities of metals by amines. Report No. 2: Simple method for determining the stability constants of metal halide complexes. I. A. Shevchuk, Izv. IREA no. 25 415-419 '63
- "Laboratory work in the chemistry of complex compounds" by M. S. Nosovskii, A. B. Blank, A. G. Rudol'f, Zhur. neorg. khim. 10 no. 5 1189-1190 My '65
- Selenotungstovanadic acid, N. A. Polotebnova, Zhur. neorg. khim. 10 no. 6 1498-1499 Je '65
- Synthesis of pyrazole derivatives containing bidentate complex-forming groups. V. M. Dziomko, I. A. Kravtsov, Trudy IREA no. 25 41-46 '63

## COMPLEX COMPOUNDS—SPECTRA

- Infrared absorption spectra of certain ethylenediaminetetraacetate compounds. I. A. Kharitonov, G. S. Tereshin, Zhur. neorg. khim. 10 no. 5 1138-1144 My '65
- Infrared absorption spectra of diacylsemicarbazoxime-metallic derivatives. A. V. Ablov, L. F. Chapurina, N. I. Belichuk, Zhur. neorg. khim. 10 no. 5 1186-1190 My '65

## COMPLEX IONS

- Complex compounds of alkylmercury ions. V. F. Toropova, M. K. Saikina, Zhur. neorg. khim. 10 no. 5 1166-1171 My '65
- Distribution of iron (III) between aqueous solutions of salts and ether. V. E. Mironov, I. I. Rutkovskii, Zhur. neorg. khim. 10 no. 5 1069-1074 My '65
- Effect of some complex anions on the chromium plating process. N. T. Dubantseva, Zhur. prikl. khim. 38 no. 4 846-849 Ap '65

## COMPLEXES

- Group complexes with a matrix basis. I. S. Arzhanykh, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk. 9 no. 2-89 '65

## COMPLEXONS

- Complexometric indicators. M. Z. Partashnikova, I. G. Shafra, Trudy IREA no. 25 258-273 '63
- Complexometric method of determining the main substance in reagent chemicals. V. Z. Parashnikova, I. G. Shafra, Trudy IREA no. 25 274-282 '63
- Determination of composition and instability constants of some complex salts. N. M. Dlatova, O. I. Lavrova, B. I. Bikhman, Trudy IREA no. 25 391-399 '63
- Neopolycomplexes. R. P. Lastovskii and others, Trudy IREA no. 25 47-65 '63
- Reaction of zinc with certain complexons. F. M. Kniazeva, V. F. Luk'yanov, Zhur. neorg. khim. 10 no. 5 1107-1109 My '65
- Study of complexons by the high-frequency titration method. N. M. Dlatova, B. I. Bikhman, Trudy IREA no. 25 400-407 '63
- Synthesis and study of new complexons containing heteroatoms in cyclic compounds. N. M. Dlatova and others, Trudy IREA no. 25 83-90 '63
- Using the measurements of electric conductivity in studying complexons. N. M. Dlatova, B. I. Bikhman, Trudy IREA no. 25 385-390 '63

## COMPLICATED LABOR see Labor, Complicated

## COMPLICATIONS OF PREGNANCY see Pregnancy, Complications of

## COMPOSERS

- Leon'eva, O. T. [Western European composers of the middle of the 20th century]. Zapadnoevropejskie kompozitory serediny XX veka, Moskva, Muzyka, 1964, 124 p. (V pomoshch' slushateliam narodnykh universitetov kultury, besedy o muzyke)

## COMPOUND E see Cortisone

## COMPREHENSION

- Comprehension of a text in case of limited knowledge of the vocabulary. R. M. Frumkina, NTI no. 4-44-48 '65

## COMPRESSED WOOD see Wood, Compressed

## COMPRESSIBILITY

- Effect of the compressibility of the fluid on the speed of movement of hydraulic actuating mechanisms. B. P. Vasil'ev, [Nauch. trudy] ENIKMASHA II 113-142 '65

## COMPRESSORS

- [see also subdivision under Krasnodar]
- Basic design of hydraulic ring screw compressors. M. P. Krasnikin, Izv. vyz. ucheb. zav., khim. i khim. tekhn. 8 no. 1-155-158 '65

- Design of two-stage compressors. A. M. Topunov, B. V. Tikhomirov, Energomashinostroi. 11 no. 5 29-32 My '65

- Determining the idle space of a compressor by means of an indicator diagram. V. V. Gusev, Prom. energ. 20 no. 3 27-28 Mr '65

- Increasing the power of gas-motor compressors under conditions of exploitation. Z. Z. Rakhmilovich, A. E. Rotte, V. S. Cherniak, Mash. i zelt. obrab. no. 5-82-35 '65

- Problems of the operation and design of compressor systems. V. V. Gusev, Prom. energ. 20 no. 6 34-37 Je '65

- Rings for hermetic sealing of high-speed shafts of centrifugal compressors. F. V. Slavuta, Energomashinostroi. 11 no. 4 11 Ap '65

- Temperature conditions of the cylinder-piston group of a free-piston diesel compressor. S. A. Bershadskii, D. A. Zaitsev, E. M. Zheveluk, Energomashinostroi. 11 no. 5 10-13 My '65

- Use of compressors for controlling fish death in rivers. A. B. Kistiakovskii, Gidrobiol. zhur. 1 no. 3 53-54 '65

- Use of turbocompressor equations in studying the operation of a control system approaching sun conditions. I. N. Chernikovskii, S. I. Biskina, Energomashinostroi. 11 no. 5 43-41 My '65

## COMPRESSORS—ABSTRACTS

- [Journal of abstracts: Manufacture of pumps and compressors.] Ref. zhur. i nasosostroi. i kompressorostroi. no. 6 Je '65

## COMPRESSORS—MAINTENANCE AND REPAIR

- Kley, Nauchno-issledovatel'skii institut stroitel'nogo proizvodstva. [Album for the technical maintenance of the ZIF-55 compressor station] Al'bom tekhnicheskogo obsluzhivaniia kompressornoi stantsii ZIF-55, Moskva, Stroizdat, 1964, 120 p.

## COMRADES COURTS

- Improve the administration of comrades courts. M. Postnikov, A. Selivanov, Sov. iust. 20 no. 8 8-10 Ap '65

## CONCEPTION—PREVENTION

- Comparative evaluation of the effectiveness of gramicidin paste and nicoceptin as contraceptive drugs. A. N. Sultanova, Azerb. med. zhur. 12 no. 3 11-44 Mr '65

## CONCRETE see subdivision under Moscow

## CONCRETE

- [see also subdivision under Kazakhstan]
- Crack resistance of concrete. I. I. Gromov, V. I. Nikolaev, V. G. Khrapov, Trudy MIT no. 191 141-151 '64
- High-strength concrete from especially quick-hardening cement. E. Z. Udovich, V. I. Karpinskii, E. V. Palagin, Transp. stroit. 15 no. 4 47-49 Ap '65
- Improved formulas for determining the strength of concrete. B. G. Skramtaev, I. U. M. Bazhenov, Bel. izh.-bet. 11 no. 4 25-27 Ap '65
- Moscow, Inzhenerno-stroitel'nyi institut. [Improving the properties of cements and concretes by the addition of synthetic products from petroleum chemistry; a contribution to the problems of using chemical resources in construction] Uлучshenie svoistv tsementov i betonov dobavkami sinteticheskikh produktov neftekhimii; k voprosam khimizatsii stroitel'stva. [By] M. I. Khigerovich i dr., Moskva, 1964, 38 p. (Doklady na XXIII nauchno-tekhnicheskoi konferentsii)
- Seasoning of lightweight and cellular concrete before heat and moist curing. L. A. Silchenko, N. V. Mikhailov, Stroim. 11 no. 1 10-12 Ja '65
- Studying the effect of pitch coat on the characteristics of heat-resistant concrete. A. E. Fedorov, A. A. Rodina, A. N. Sibilev, Trudy MIT no. 191 134-143 '64

## CONCRETE—CURING

- Using additives to speed the hardening of concrete during the inadequacy of the curing cycle for reinforced concrete products in case-type chambers. B. M. Liupnev, Uch. zap. Mord. gos. un. no. 15 pl. 2 135-136 '63

## CONCRETE—TESTING

- Methods of determining some properties of concrete mixes. M. Z. Simonov, Bel. izh.-bet. 11 no. 5 9-6 My '65
- Service life of shipbuilding concrete exposed to pickling solutions and brines. V. G. Batrakov, D. I. Fedin, Sudostroenie 30 no. 12 34-37 D '64

## CONCRETE—VIBRATION

- Effect of anisotropy on the creep of concrete as dependent on the duration of vibration of a concrete mixture. K. S. Karapetian, Dokl. AN Arm. SSR 40 no. 4 107-203 '65

## CONCRETE, PRECAST see Precast concrete

## CONCRETE, REFRACTORY see Refractory concrete

## CONCRETE BEAMS

- Calculating reinforced concrete beams and walls. T. Godyukii-Tsvilko, Bel. izh.-bet. 11 no. 4 1-4 My '65

## CONCRETE BRIDGES see Bridges, Concrete

## CONCRETE CONSTRUCTION

- Decorative characteristics of structural concrete. A. A. Soudal'tseva, Stroitel'stvo i arkhitekt. 21 no. 1 1-1 Mr '65
- Durability of concrete in far buildings and means of preventing its failure. V. Khomichuk, Bel. izh.-bet. 11 no. 2 21-22 Fe '65

## CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

- Analytical method of calculating the concentration of sodium chloride during winter concreting. V. I. K. Kh. Bulgakov, Izv. vyz. ucheb. zav., tekhn. i khim. 8 no. 2 51-61 '65

## CONCRETE FLOORS see Floors, Concrete

## CONCRETE PAVEMENTS see Pavements, Concrete

## CONCRETE PILING see subdivision under Piles, Concrete

## CONCRETE PIPE see Pipe, Concrete

## CONCRETE PLANTS see subdivision under Plants, Concrete

## CONCRETE PLANTS—EQUIPMENT AND SUPPLIES

- Konstantopulo, G. S. [Mechanical equipment of plants manufacturing reinforced concrete products and insulating materials] Mekhanicheskoe oborudovanie i zavodov zhelezobetonnykh izdelii i termozhilykh materialov, Moskva, Vysshaya shkola, 1963, 426 p.

## CONCRETE PRODUCTS

- Use of gas infrared radiators in the production of natural paste. L. S. Perchikov, K. N. Pravoslav, V. I. Brikovskaya, Gaz. prom. 10 no. 6 12-14 My '65

## CONCRETE REINFORCEMENT—CORROSION

- Kholopova, L. I. [Corrosion of reinforcement exposed to chlorinated cellulose concrete and methods of preventing corrosion of armature in autoklavnykh kachel'nikakh] Korrozia armatury v avtoklavnykh kachel'nikakh i sposoby ee preduprezhdeniya, Leningrad, Stroiizdat, 1965, 80 p.

## CONCRETE SHIPS see Ships, Concrete

## CONCRETE SLABS

- Bearing capacity of beam reinforced concrete slabs under concentrated loads. L. I. Dugov, Bel. izh.-bet. 11 no. 5 36-38 My '65
- Experimental study of reinforced concrete slabs resting on pile columns. K. K. Antonov, A. N. Trakht, Bel. izh.-bet. 11 no. 5 33-36 My '65
- For sawdust-slag concrete slabs. Stroi. tekhn. i arkhitekt. 15 no. 4 47-49 Ap '65

## CONCRETE WALLS

- Calculating reinforced concrete beams and walls. T. Godyukii-Tsvilko, Bel. izh.-bet. 11 no. 4 1-4 My '65

## CONCRETIONS

- Concretions containing uranium. N. A. Gordin, Izv. pol. tekhn. no. 2 104-112 Mr-Apr '65
- Pyrite concretions of continental Middle Jurassic basins and the conditions governing their formation. P. V. Ivashov, Soob. DVFAN SSSR no. 21 43-47 '64

## CONDENSATE OIL WELLS

- [see also subdivision under Krasnodar, Armenskaya, Krasnodar Territory]

- Electrochemical method for determining the effect of corrosion inhibitors for steel in the presence of gas-condensate wells. D. M. Abramov, S. D. Zakharenko, N. M. Agayev, Gaz. delo no. 1 22-25 '65

- Gas-hydrodynamic calculations to support the operation of a gas condensate deposit to depletion. A. I. Akhmedov, Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 6 105-111 '64

## CONDENSATE OIL WELLS—EQUIPMENT AND SUPPLIES

- [see also subdivision under Krasnodar Territory]
- Effect of corrosive medium on the equipment of gas condensate wells. V. I. Il'ichev, Bezo. priroda i tekhn. no. 3 49-50 Mr '65

## CONDENSERS (ELECTRICITY)

- Calculation of the stress of an electrical field in a cylindrical condenser. A. F. Katschikhin, Tekhn. i khim. no. 6 87-88 My '65
- Using electrolytic capacitors in measuring circuits. A. T. Zagorskii, Izv. tekhn. i arkhitekt. no. 2 48-50 Fe '65

## CONDENSERS (STEAM)

- Automating the condensate stations of a petroleum refinery. B. K. Ploschenko, Mash. i neft. tekhn. no. 5 28-31 '65

- Kirsanov, I. N. [Condensing systems] Kondensatsionnye ustanovki, Moskva, Energiya, 1965, 375 p.

## CONDITIONED RESPONSE

Changes in the conditioned response activity in dogs under the effect of small doses of radioactive sodium-24 following a preliminary introduction of alcohol. B. I. Shal'nov. Zhur. vys. nerv. deiat. 15 no. 3:445-452 My-Je '65.

Changes in the coronary blood flow during the action of food conditioned stimuli. V. B. Zakharzhevskii. Zhur. vys. nerv. deiat. 15 no. 3:453-457 My-Je '65.

Changes in the higher nervous activity evoked by the visualization of a given image. I. I. Kozlovskii. Zhur. vys. nerv. deiat. 11 no. 6:937-946 N-D '64.

Characteristics of conditioned reflex electroencephalographic changes in man in various stages of the development of the conditioned connection. S. N. Raeva. Biol. eksp. biol. i med. 59 no. 8:11-16 Je '65.

Comparative study of conditioned reflexes to relationships. L. G. Vatauro, M. Dzh. Kashkai. Vop psikh. 11 no. 2:117-128 Mi-Apr '65.

Comparative study of functional and morphological changes in the central nervous system of white rats during the course of intermittent administration of di-cycloserine. I. L. Razumova. Zhur. vys. nerv. deiat. 14 no. 6:1090-1099 N-D '64.

Comparison of one-way and two-way alteration of conditioned reflexes for evaluation of the lability of nervous processes in rodents. I. U. S. Dmitriev. Zhur. vys. nerv. deiat. 14 no. 6:1100-1103 N-D '64.

Defense reflex to environment under an excessively strong action (acceleration of a short duration). E. V. Masluchanin. Zhur. vys. nerv. deiat. 15 no. 3:450-455 My-Je '65.

Disorders of afferent signalization in experimental conditioned hypercholesterolemia. O. I. Ostyrii, S. V. Magaeva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:88-89 '64.

Diverse effect of experimental tuberculous infection on food and defense conditioned reflexes. I. E. Gaber and others. Pat. fiziol. i eksp. terap. 8 no. 6:57-62 N-D '64.

Effect of acceleration on the higher nervous activity of dogs. P. V. Vasilev, M. A. Gerid. Pat. fiziol. i eksp. terap. 8 no. 6:3-7 N-D '64.

Effect of phenol on the conditioned response activity in fishes. B. A. Fierov. Hidrobiol. zhur. 1 no. 3:49-50 '65.

Electrophysiological analysis of the formation of temporary connections of the association type in lower vertebrates. B. F. Sergeev. Zhur. vys. nerv. deiat. 15 no. 3:425-432 My-Je '65.

Experimental analysis of the sequence of evoked potentials in various structures of the brain during the development of conditioned reactions. A. I. Shumilina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:112-113 '64.

Food, defensive and orienting-investigative conditioned reflexes in lower monkeys. L. N. Norkina. Zhur. vys. nerv. deiat. 14 no. 6:992-999 N-D '64.

Formation of functional systemic connections in the cortex and subcortex during the process of the development of conditioned reflexes. A. I. Shumilina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:114 '64.

Methodology of recording motor conditioned and unconditioned reflexes and their quantitative measurement. I. I. Tokarenko, E. M. Likhomstein. Zhur. vys. nerv. deiat. 15 no. 3:573-577 My-Je '65.

Methods of developing conditioned inhibition in excitable pyreps. L. N. Kozlova. Zhur. vys. nerv. deiat. 14 no. 6:1020-1031 N-D '64.

Physiological characteristics of the conditioned washing reflex. A. A. Alapetkin. Zhur. vys. nerv. deiat. 14 no. 6:1042-1047 N-D '64.

Reaction of dogs with the weak type nervous system to the effect of neurotropic substances. N. S. Saifonov, V. K. Bolodinskii. Zhur. vys. nerv. deiat. 14 no. 6:1013-1018 N-D '64.

So-called conditioned reflexes in Planaria. L. G. Voronin, N. A. Tushmalova. Zhur. evol. biokhim. i fiziol. 1 no. 1:98-103 Ja-F '65.

Some characteristics of the development of conditioned reflexes to complex acoustic and visual stimuli in dogs. N. S. Popova. Zhur. vys. nerv. deiat. 14 no. 6:1005-1008 N-D '64.

Some characteristics of unconditioned salivation reflex in dogs following photic and acoustic conditioned stimuli of various strength. L. N. Andreev. Zhur. vys. nerv. deiat. 15 no. 3:433-437 My-Je '65.

Some correlations between the electroencephalographic, vegetative and somatic components of the conditioned defense reflex. M. M. Atoev, V. V. Glushkova. Zhur. vys. nerv. deiat. 14 no. 6:1032-1041 N-D '64.

## CONDUCT OF LIFE

Kudrina, V. M. [Court of conscience] Sud sovesti. Moskva, Volizdat, 1965. 54 p.

The problem of the criterion of moral progress. N. N. Kulikova, G. K. Gumnitskii. Vest. Mosk. un. Ser. B: Ekonom., filoz. 20 no. 2:35-42 Mi-Apr '65.

## CONDUCTING

Kanershteyn, M. M. [Problems of conducting] Voprosy dirizirovaniia. Moskva, Muzyka, 1965. 220 p.

## CONDUCTOMETRIC ANALYSIS

Conductometric analysis method for the control of alkali melting of the salts of aromatic sulfo acids. V. N. Krasnosel'skii and others. Khim. prom. 41 no. 5:384-385 My '65.

Conductometric analysis of boron fluoride in reaction mixtures in the synthesis of diphenylpropylenes. I. U. A. Davydoshkin and others. Trudy IREA no. 25:232-239 '63.

Modified amperometric assay of sulfhydryl compounds. Kh. F. Shol's. Biokhimiia 29 no. 4:577-582 Ji-Ag '64.

Study of complexons by the high-frequency titration method. N. M. Dintlova, B. I. Bikhman. Trudy IREA no. 25:100-107 '63.

## CONFECTIONERY—EQUIPMENT AND SUPPLIES

[Technology equipment of confectionery enterprises; a catalog-manual] Tekhnologicheskoe oborudovanie predpriatii konditerskoi promyshlennosti, katalog-apravochnik. Moskva, TsINTIAM.

Pt. 4. [Equipment for the production of flour-containing confectionery goods] Oborudovanie dlia proizvodstva mучnykh konditerskikh izdelii. 1964. 87 p.

Pt. 5. [Equipment for wrapping, packaging and packing confectionery goods] Oborudovanie dlia zaverki, rasfasovki i upakovki konditerskikh izdelii. 1964. 69 p.

## [MICROFILMS]

Zhelezova, V. V., A. A. Ivanov, and A. A. Tsyul'skii. [Modern equipment for wrapping and packaging confectionery goods] Sovremennoe oborudovanie dlia zaverki i upakovki konditerskikh izdelii. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 65 p. diags. (insert)

## [MICROFILM]

## CONFECTIONERY—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Confectionery products; testing methods] Konditerskie izdelii; metody ispytani. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1955. 74 p. (SSSR. Gosudarstvennyi standarty)

## CONFECTIONERY—TECHNOLOGICAL INNOVATIONS

see subdivision under Erivan

## CONFISCATIONS

Application of confiscation law to property which has been used to produce unauthorized income. V. Pantugin, A. Koliavchenko. Sots. zakon. 42 no. 2:18-12 F '65.

## CONFLICT OF LAWS

[Soviet yearbook of international law, 1963] Sovetskii ezhegodnik mezhdunarodnogo prava, 1963. Moskva, Nauka, 1965. 623 p.

## CONFORMAL MAPPING

Theorems for line overlapping in conformal mapping. P. M. Tamazov. Mat. sbor. 66 no. 4:502-524 Ap '65.

Using the method of conformal representation in solving the problem of the torsion of a drill-type rod. N. V. Alekseev. Prikl. mekh. 1 no. 4:131-133 '65.

## CONGLOMERATE see subdivision under Siberia

## CONGO (LEOPOLDVILLE)—MILITARY ASSISTANCE, AMERICAN

U. S. strategy in Africa. V. L. Kudrjavtsev. Mezhdunar. zhizn' 12 no. 7:14-16 Ji '65.

## CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

The Congo: five years of alarm. N. Khokhlov. Otkriati' 42 no. 6:177-179 Je '65.

Illusion of the colonizers. V. Alekseev. Mezhdunar. zhizn' 12 no. 7:116-117 Ji '65.

## CONJUGATION (CHEMISTRY)

Conjugation capacity of phosphonyl groups. B. I. Stepanov, A. I. Bokonov. Zhur. ob. khim. 35 no. 6:1124-1126 Je '65.

## CONJUNCTIVA—DISEASES

Conjunctival and corneal lesions in discoid lupus erythematosus. A. M. Arlevich, A. I. Vilenkina, Z. I. Shapiro. Vest. dermat. i ven. 38 no. 6:41-43 Je '64.

## CONJUNCTIVITIS

Problem of the etiology of membranous conjunctivitis. TS. S. Rozina, G. I. Volchanskaya, I. U. N. Vishnolekova. Sbor. nauch. trud. Inst. infek. bol. no. 4:223-227 '64.

Rickettsial conjunctivitis in calves. A. P. Sviridov. Veterinariia 41 no. 6:34-35 Je '64.

Rickettsial conjunctivitis in cattle. I. A. Farzaliyev, V. D. Safaraliyev, G. G. Gasanov. Veterinariia 41 no. 6:25-26 Je '64.

## CONSERVATION OF NATURAL RESOURCES—LAWS

## AND LEGISLATION

"Legal problems of nature protection in the U. S. S. R." G. G. Buntov. Vest. Mosk. un. Ser. 10: Pravo 20 no. 1: 80-91 Ja-Mr '65.

## CONSERVATION OF WILDLIFE see Wildlife, Conservation of

## CONSERVATISM see subdivision under United States

## CONSTITUTIONAL HISTORY, ANCIENT see subdivision under Near East

## CONSTITUTIONAL LAW

Sarodubskii, B. A. [Constitutional law of bourgeois countries; a textbook] Gosudarstvennoe pravo burzhuaznykh stran; uchebnoe posobie. Sverdlovsk, Sverdlovskii univ. in-1.

Pt. 2. [Fundamentals of the constitutional law of individual bourgeois countries] Osnovy gosudarstvennogo prava otdel'nykh burzhuaznykh stran. 1960. 471 p.

## [MICROFILM]

## CONSTRUCTION EQUIPMENT

Baumän, V. A., ed. [Construction machinery; a reference manual] Stroitel'nye mashiny, spravochnik. Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1965. 788 p.

Kopelevich, A. M. [Making use of small-scale mechanization in construction] Ispol'zovanie sredstv maloi mekhanizatsii v stroitel'stve. Minsk, Belarus', 1964. 69 p.

Mechanisms and tools for assembling and finishing work. Sel' stroi. 19 no. 4:24-26 Ap '65.

Mechanizing heavy and labor-consuming operations. A. Tartas, V. Prokofiev. Na stroi. Ros. 6 no. 4:7-8 Ap '65.

Pokras, Iu. L. [Filter of construction machines]

Slesar'-montazhnik po stroitel'nyim mashinam.

Moskva, Stroizdat, 1965. 328 p.

Use these yourself. Sel' stroi. 19 no. 4:25-27 Ap '65.

What equipment is needed for movable mechanized task work? V. Zapriagaev. Sel' stroi. 19 no. 4:17-18 Ap '65.

## CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

Centralization of the technical maintenance of construction equipment. A. K. Alierov. Transp. stroi. 15 no. 4:34-35 Ap '65.

## CONSTRUCTION INDUSTRY

(see also subdivision under Armenia, Kazakhstan, Kiev; Lvov, Middle Volga Economic region, Salavat, Bashkiria, Ulyanovsk)

Brigade works the new way. N. F. Gushchenko, K. L. Kostushko. Transp. stroi. 15 no. 4:31-32 Ap '65.

Broaden the rights of contracting organizations. S. Volskikh. Ekon. stroi. no. 5:69-70 My '65.

In the Ministry of Construction of the R. S. F. S. R. Na stroi. Ros. 6 no. 6:30 Je '65.

In the State Committee on Construction of the Council of Ministers of the R. S. F. S. R. Na stroi. Ros. 6 no. 6:31 Je '65.

Industrialization of heat-insulating work. E. Blokh, S. Talalai. Ekon. stroi. no. 5:15-20 My '65.

Information. Plan. khoz. 42 no. 6:91-95 Je '65.

Work production plans should be realistic. V. Konev. Na stroi. Ros. 6 no. 6:11-12 Je '65.

Year of great construction. I. Ganchev. Komm. Vooruzh. Sil. 46 no. 11:51-54 Ja '65.

## CONSTRUCTION INDUSTRY—ACCOUNTING

Accounting for losses caused by waste in construction. I. Griazev. Bukhg. uchot. 22 no. 2:32-33 F '65.

Improve the accounting to meet new tasks. I. Griazev. Ekon. stroi. no. 5:64-65 My '65.

## CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

see subdivision under Gornyyak (Altai Territory)

## CONSTRUCTION INDUSTRY—COSTS

Analysis of the cost of installation work. S. Timofeev. Ekon. stroi. no. 5:35-38 My '65.

Using methods of multiple correlation to analyze factors in reducing the cost of construction and assembling operations. G. B. Poliatuk. Izv. vys. ucheb. zav., stroi. i arkhit. 8 no. 2:94-103 '65.

## CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Leningrad)

[Financing and issuing credit for capital investments] Finansirovaniye i kreditirovaniye kapital'nykh vlozhenii. [By] P. M. Pinchuk i dr. Minsk, Vysshaya shkola, 1965. 111 p.

Important condition for increasing the profitability of construction organizations. V. Levin. Fin. SSSR 39 no. 8:81-82 Je '65.

Improve the role and significance of economic levers. G. Lubenets and others. Ekon. stroi. no. 5:51-57 My '65.

## CONSTRUCTION INDUSTRY—HYGIENIC ASPECTS

Joint construction and erection works. N. Turchin. Otkr. truda i sots. strakh. 8 no. 4:25 Ap '65.

**CONSTRUCTION INDUSTRY—INFORMATION SERVICES**  
see subdivision under Ukraine

**CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY**  
Labor productivity is most important Transp. stroit. 15 no. 4:1-2 Ap '65.

**CONSTRUCTION INDUSTRY—MANAGEMENT**

Active aids E. Boborykin. Ekon. stroit. no. 5:45-46 My '65.

Important condition for increasing the profitability of construction organizations. V. Levin. Fin. SSSR 39 Increase the role of economic methods in the planning and organization of capital construction. I. Novikov. Plan. khoz. 42 no. 6:1-5 Je '65.  
Plan and stimulate capital yield. K. Orlov. Nar. khoz. Kazakh. 23 no. 3:50-52 Mi '65.  
Planning the optimal size of construction and assembly organizations. V. Levin. Plan. khoz. 42 no. 6:65-87 Je '65.

Problems demanding attention for a long time. K. Beliaev. Nar. khoz. Kazakh. 23 no. 3:53-51 Mr '65.  
Shufchuk, B. O. Discussions on the economics of construction. Besedy po ekonomike stroitel'stva. Moskva, Politizdat, 1965, 223 p.

**CONSTRUCTION INDUSTRY—PRICES** see subdivision under Baltic States

**CONSTRUCTION INDUSTRY—SCHEDULING**

(see also subdivision under Ukraine)  
Operation and production planning in a combine construction industrial plant. I. Mityakher, A. Bosis. Plan. khoz. 42 no. 6:82-85 Je '65.

Practices in compiling graphic work schedules. I. Cherkas. Na stroi Ros 6 no. 8:10-11 Je '65.  
Solution of a problem for optimal results. I. A. Yevdeev, T. Baranova, V. Kriuchkov. Na stroi Ros 6 no. 8:13-14 Je '65.

**CONSTRUCTION WORKERS** see subdivision under Lugansk Province

**CONSTRUCTION WORKERS—EDUCATION AND TRAINING**

Graduate projects in the Morshansk School of Construction Engineering. I. A. Shifrin. Sred. spets. obz. 12 no. 3:18-19 Mr '65.

Improve the training of specialists for rural construction N. F. Melnikova. Sel' stroi. 19 no. 4:19 Ap '65.

**CONSUMER CREDIT**

(see also subdivision under United States)

Simple payments for goods sold on credit. P. Novoselov, E. Fonarev. Den. i kred. 23 no. 6:16-20 Je '65.

**CONSUMER EDUCATION**

Some problems in the making up of assortments. V. Shvili. Tekh. est. no. 4:2 Ap '65.

**CONSUMPTION (ECONOMICS)**

"Consumer society" and class consciousness of the proletariat. G. Diligenski. Mir, ekon. i mezhdunar. otn. no. 7:43-56 '65.

Distribution of public consumption funds and their influence on the family budget. V. I. Lina. Vest. Mosk. un. Ser. 8: Ekon., filoz. 20 no. 2:11-20 Mr-Apr '65.

**CONTAINERS**

Reducing losses connected with containers is an urgent task. Sov. torg 38 no. 3:52-53 Mr '65.

Use of containers reduces transportation costs. B. Laptev. Sov. torg 38 no. 3:26-28 Mr '65.

**CONTAINERS—ABSTRACTS**

[Container shipments and the interaction of various types of transportation.] Ref. zhur. Vzaimeotn. razv. vid. transp. i kont. perev. nos. 6-7 Je-Jl '65.

**CONTINENTAL SHELF** see subdivision under Africa, West

**CONTINUOUS CASTING**

Building underground units for a continuous steel casting plant by the open ladle method. K. P. Salanov, D. N. Berner, E. V. Korsunskii. Osn., fund. i mekh. grun. 7 no. 3:18-21 '65.

**CONTRACTURE**

Role of the sympathetic nervous system in the development of contractures originating in trauma of the spinal cord. N. A. Galitskaja. Fiziol. zhur. 51 no. 4: 508-512 Ap '65.

**CONTRAST MEDIA**

Mechanism of some complications in the use of contrast methods in X-ray examinations. N. N. Malinovskii and others. Vest. rent. i rad. 39 no. 6:31-36 N-D '64.

Resolving power of contrast examination of the inferior vena cava in tumors of the retroperitoneal space. G. A. Kuchinskii, E. B. Maribakh. Vest. rent. i rad. 40 no. 1:33-38 Ja-F '65.

Study of coronary circulation in the combined use of contrast media and anticoagulants. V. V. Vasil'eva, K. M. Lakin, P. V. Sergeev. Vest. rent. i rad. 39 no. 6:16-20 N-D '64.

**CONTROLLERSHIP, COMMUNIST** see Auditing and Inspection

**CONVERGENCE**

Sufficient tests for convergence of the method of averaging functional corrections. I. D. Sokolov. Utr. mat. zhur. 17 no. 3:91-103 '65.

**CONVERTERS**

Temperature measurement in a converter bath. I. G. Sel'tsei and others. Metallurg 10 no. 6:22-23 Je '65.

**CONVERTERS—DESIGN AND CONSTRUCTION**

Conditions for the service of linings of oxygen-blown converters with a capacity of 100-130 tons (Mg) during the conversion of vanadium cast iron. G. V. Golov and others. Stal' 25 no. 6:537-538 Je '65.

Mastering the operation of the oxygen-blown converter plant of the Nizhny Tagil metallurgical combine. E. Z. Freidenzon and others. Stal' 25 no. 6:534-537 Je '65.

Measuring external surface temperatures of a large-capacity converter and converter ladle. G. M. Smirnov and others. Stal' 25 no. 5:416 My '65.

**CONVERTERS—TESTING**

Results of a year's operation and investigation of an oxygen-blown converter with a 100 ton (Mg) capacity. M. I. A. Brovman and others. Stal' 25 no. 6:508-511 Je '65.

Studying the strength of a 55 ton charge oxygen-blown converter under operating conditions. V. M. Shustorovich, B. A. Morozov. Stal' 25 no. 5:404-407 My '65.

**CONVEX SURFACES**

Chebyshev nets in manifolds of bounded curvature. I. A. Bakol'man. Trudy Mat. inst. 76:124-129 '65.

**CONVEYING MACHINERY**

(see also subdivision under Perm; Yur'yevets, Ivanovo Province)

Angular joint of screw conveyors. L. M. Kutsyn, M. A. Starunskii. Mashinostroenie no. 2:92 Mr-Apr '65.

Automatic control of a system of ground-type push conveyors used in multiple article assembling. P. I. Avruski. Mekh. i avtom. protzv. 19 no. 4:31-34 Ap '65.

Belt conveyor with automatic control. E. B. Shumakov. Trudy GIIVT no. 49:27-35 '63.

Better than the previous one. I. Papulov. Sov. shakht. 14 no. 3:19 Mr '65.

Experimental study of forces acting on the working part of a horizontal scraping conveyor for removal of farm manure. V. E. Velina. Zap. Len. sel'khoz. inst. 85:292-299 '61.

In the State Experimental Institute of Design and Construction for the Mining Machinery Industry. V. A. Brenner. Ugol' 40 no. 5:32-33 My '65.

Increasing the reliability and durability of manure conveyors. L. V. Tenenbaum, I. A. Vlasov, L. M. Kutsyn. Mashinostroenie no. 3:100-101 My-Je '65.

Intermittent conveyor for the production of perlite products. S. M. Baishov. Stroi. mat. 11 no. 4:35 Ap '65.

Mechanization of the removal of hot metal from the roll train. I. G. Lebedev, I. N. Potapov. Metallurg 10 no. 6:30-31 Je '65.

**CONVEYING MACHINERY—ELECTRIC DRIVING**

Mekler, A. G. [Electrical equipment of hoisting and conveying machinery.] Elektrooborudovanie podzemno-transportnykh mashin. Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1965, 534 p.

**CONVEYING MACHINERY—SAFETY MEASURES**

Lessons learned from an accident. V. V. Kashcheev, V. N. Ogloblin. Bezop. truda v prom. 9 no. 3:3-5 Mr '65.

**CONVICT LABOR**

For further strengthening of legality in the operation of the settlement-type colonies for corrective labor. N. Bellakht. Sots. zakon 42 no. 6:31-34 Je '65.

Prosecutorial supervision of law observance in places of confinement should be on the level of the present-day tasks. Sots. zakon. 42 no. 2:3-9 F '65.

**COOKERY (CHEESE)**

Wonderful food. V. Vedrashko. Doshk. vosp. 38 no. 5:50-52 My '65.

**COOPERATIVE APARTMENT HOUSES** see Apartment houses, Cooperative

**COOPERATIVE EDUCATION** see Education, Cooperative

**COOPERATIVE SOCIETIES**

(see also subdivision under Chuvashia; Gadyach District; Germany, East; Geymanovskaya, Krasnodar Territory; Indonesia; Japan; Kyn, Perm Province; Nar'yan Mar; Semipalatinsk; Stavropol Territory; White Russia)

Cooperation in the capitalist countries and the struggle against the industrial trusts. Kommunist 42 no. 10: 107-108 Jl '65.

From the history of foreign trade activities of the Central Union of Consumers Cooperatives. V. Sobolev. Sov. potreb. koop. 9 no. 3:51-56 Mr '65.

Legal service in wholesale organizations of consumers cooperatives. A. Pleshev, I. Kazakov. Sov. iust. 29 no. 8:14 Ap '65.

**COOPERATIVE SOCIETIES—ACCOUNTING**

Simplify the accounting in consumers' cooperatives. L. Vainfel'd. Bukhg. uch. 22 no. 2:55-58 F '65.

**COOPERATIVE SOCIETIES—FINANCE** see subdivision under White Russia

**COOPERATIVE SOCIETIES—OFFICIALS AND EMPLOYEES**

Destiny of one graduating class. R. F. Frenovskaya and others. Sov. potreb. koop. 9 no. 3:18-23 Mr '65.

Important party work. A. Krivoshei. Sov. potreb. koop. 9 no. 5:11-14 My '65.

**COOPERATIVE SOCIETIES—STATISTICS**

Economic indices of the activities of cooperative societies. Sov. potreb. koop. 9 no. 5:20-21 My '65.

**COORDINATES**

Problem of the determination of the position of a nonlinear system in a phase space. I. A. Halseva. Prikl. mat. i mekh. 29 no. 2:364-367 Mr-Apr '65.

**COORDINATION COMPOUNDS**

Approximate analysis of the vibrations of coordinated Se-Cn-groups. I. A. Khaitonov, G. V. Tshinadze, Zhur. neorg. khim. 10 no. 5:1191-1199 My '65.

Infrared absorption spectra of the products of the addition of aromatic amines to cobalt, zinc, and cadmium halides. A. V. Ablov, N. N. Proskina, L. F. Chapurina. Zhur. neorg. khim. 10 no. 6:1350-1354 Je '65.  
Manifestation of the coordinate state of boron in an electrode behavior of lithium borosilicate glasses. V. S. Bobrov, L. P. Kalmykova, M. M. Shults. Zhur. prikl. khim. 38 no. 4:766-771 Ap '65.

**COORDINATION COMPOUNDS—CONGRESSES**

Eight International Conference on Coordination Chemistry. K. B. Iatsimirskii. Zhur. neorg. khim. 10 no. 5:1261 My '65.

**COPEPODA** see subdivision under Black Sea

**COPPER—ANALYSIS**

Conditions for separating copper and arsenic when present together in a sulfuric acid solution. P. M. Kovalenko, L. N. Musaelants. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:17-22 '65.

Determination of copper in nickel-zinc alloys by the diethyldithiocarbamate method. I. K. Tselinskii, P. P. Gorbunov, T. A. Krasuskaya. Trudy IREA no. 23:329-333 '63.

Determining copper content of metallic zinc, cadmium and lead-tin solders by means of 2,2'-bipyridine acid. K. I. Fridman, E. L. Turchyna. Khim. prom. [UKR.] no. 2:74-75 Ap-Je '65.

**COPPER—CORROSION**

Corrosion resistance of copper and copper alloys in water under static conditions. V. V. Gerasimov, A. I. Gromova, E. T. Shapovalov. Teploenergetika 12 no. 3:36-38 Mr '65.

**COPPER—ELECTROMETALLURGY**

Characteristics of the dissolution of copper and its alloys in ammonia solutions. I. K. Marshakov, G. M. Saunova. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:147-151 '65.

The most effective electrolyte circulation in the electrolysis of copper. B. L. Kitaev. Tsvet. met. 38 no. 3:28-32 Mr '65.

**COPPER—METALLURGY**

Conversion of natural gas for the fire refining of copper. A. I. Stezhenskii, I. G. Prazhenik. Tsvet. met. 38 no. 3:26-28 Mr '65.

Diev, N. P., S. A. Verminichov, and A. S. Pen'ko. [Reverberatory smelting of copper concentrates; manual for schools and courses for foremen.] Otrazhatel'naya plavka mednykh koncentratov; posobie dlia shkol i kursov masterov. Izd. 2., perer. i dop. [Moskva] Metallurgiya, 1965, 296 p.

Distribution of dust losses in copper smelting plants. A. M. Arslanova, A. A. Orlov, Shor. nauch. trudy. Gintsvetmetiz no. 9:114-118 '65.

Dust collection in secondary copper plants. P. I. Voskresenskii, Shor. nauch. trudy. Gintsvetmetiz no. 9:93-95 '65.

Kinetics of copper cementation with iron from CuCl<sub>2</sub> solutions. M. L. Episkoposian. Izv. AN Arm. SSR Khim. nauki 17 no. 4:447-456 '64.

**COPPER—TOXICOLOGY**

Effect of copper on the growth and development of diatom algae under the conditions of monocultures and in the sea on surfaces covered with nonfouling paint. Z. S. Kucherova. Trudy SBS 17:326-333 '64.

## COPPER—WELDING

Deposition of copper alloys on steel surfaces V. N. Tumofeev, N. I. Isaev. *Avtom. svar.* 18 no. 4 34-37 Ap '65

Habkin, D. M., and V. R. Ribakov. [Welding aluminum and its alloys with steel and copper.] *Svarka aluminia i ego splovo do stal'iu i med'iu*. Moskva, Mashinostroyeniye, 1965. 93 p.

Resistance seam welding of copper screens and foil. B. M. Nekrasov, G. I. Zlobin. *Avtom. svar.* 18 no. 4 64-66 Ap '65

Welding under flux of 40x50mm copper rings A. V. Peishauer, V. A. Mallian, I. M. Koreniuk. *Svar. prom.* no. 5 35-36 My '65.

## COPPER-ALUMINUM ALLOYS

Oxidation of iron alloys with aluminum and copper alloys with aluminum. R. F. Voitovich. *Zhur. prikl. khim.* 38 no. 4 916-919 Ap '65.

COPPER-ANTIMONY-IRON ALLOYS see Antimony-copper-iron alloys

## COPPER-CADMIUM ALLOY PLATING

Some problems of the theory of alloys electrodeposition. Part 13. Phase structure of copper-cadmium electrolytic alloys obtained from complex electrolytes. I. U. M. Polukarov, V. V. Grinina. *Elektrokhimiya* 1 no. 4 433-438 Ap '65.

## COPPER COMPOUNDS

Crystalline modifications of a complex of copper monochloride with thionea. L. M. Shkol'nikova, I. U. V. Oboronenko. *Trudy IIL A* no. 25, 120-121 '63

## COPPER INDUSTRY—BY-PRODUCTS

Selenium recovery in copper electrolysis plants. A. M. Arslanova, L. L. Pelsakhov. *Sbor. nauch. trud. Gintsvet-met* no. 9, 119-121 '55.

COPPER-IRON ALLOYS see Iron-copper alloys

## COPPER-LEAD ALLOY PLATING

Some problems of the theory of electrodeposition of alloys. Part 11: Effect of surface-active substances on the phase structure of electrolytic copper-lead alloys. I. U. M. Polukarov, V. V. Grinina. *Elektrokhimiya* 1 no. 2, 212-217 F '65.

## COPPER ORES

(see also subdivision under Carpathian Mountains; Chatkal Range; Korama Range; Perm Province)  
Oxidation zone of the Paragachay copper-molybdenum deposit. O. D. Kadyrov. *Izv. AN Azerb. SSR, Ser. geol.-geog.* 1:45-17 '64.

## COPPER ORGANIC COMPOUNDS

Book on "Cuprocatalysis." S. A. Vartanian. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 4:457-461 '64.

Concerning the review by S. Vartanian of the monograph "Cuprocatalysis." O. A. Chalykdan. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 4:462-465 '64.

## COPPER OXIDES

Use of the "secondary reactions" for the qualitative evaluation of the true reacting surface in copper oxide electrodes. V. N. Flerov. *Elektrokhimiya* 1 no. 5. 566-571 My '65.

## COPPER OXIDES—PHOTOELECTRIC PROPERTIES

Photoconductivity of  $\text{Cu}_2\text{O}$  in the temperature range  $+20^\circ\text{C}$ — $+150^\circ\text{C}$ . I. U. V. Vorob'ev, I. U. I. Karkhanin. *Fiz. tver. tela* 7 no. 6:1885-1890 Je '65

COPPER PIPE see Pipe, Copper

## COPPER PLATING

Standard processes for automatic bright copper and nickel plating at the "Kommunar" Plant. L. A. Laroshenko, V. N. Ustinov. *Mashinostroyeniye* no. 3: 77-79 My-Je '65.

## COPPER SALTS

Complex formation of copper salts with 2-hydroxyalkylbenzothiazoles and 2-methylbenzothiazole. M. V. Artemenko, K. E. Silusarenko. *Zhur. neorg. khim.* 10 no. 5:1115-1154 My '65.

Reaction of copper salts with mannitol. G. B. Fridman, T. L. Nuterman. *Izv. vye. ucheb. zav., khim. i khim. tekhn.* B no. 1:162-163 '65.

## COPPER SELENIDE

Physicochemical properties of  $\text{Cu}_2\text{Se}$  and  $\text{Cu}_2\text{Te}$ . G. V. Kim. *Zhur. neorg. khim.* 10 no. 5:1254-1256 My '65.

## COPPER TELLURIDE

Physicochemical properties of  $\text{Cu}_2\text{Se}$  and  $\text{Cu}_2\text{Te}$ . G. V. Kim. *Zhur. neorg. khim.* 10 no. 5:1254-1256 My '65.

## COPPER-ZIRCONIUM ALLOYS—METALLURGY

Obtaining copper-zirconium addition alloys from potassium fluoro-zirconate. A. I. Lainer and others. *Tsvet. met.* 38 no. 3:87-90 Mr '65.

## COPROLITE

Giant coprolite in the megacolon of a three-year-old child. V. M. Bolozherov. *Vest. rent. i rad.* 40 no. 2: 70-71 Mr-Apr '66.

Rodlike coprolite. L. S. Belokrya. *Paleont. zhur.* no. 2: 138-141 '65.

## COPYRIGHT

Serebrenskii, V. I., and V. P. Mozolin, comps. [Author's right to discovery, invention and efficiency suggestions] *Avtorskoe pravo na otkrytie, izobretenie i racionalizatorskie predlozheniya*. Moskva, Tsentr. biuro tekhn. informatsii, 1961. 88 p. (V pomoshch' rabotnikam po izobretenel'stvu i racionalizatsii) (DP)

## CORE DRILLING

Makarov, L. V. [Drilling fluids in core drilling] *Promyshlennyye zhidkosti v kolonkovom burenii*. Moskva, Nedra, 1965. 63 p.

## COREMAKING

Analysis and use of high-frequency drying of founding cores. A. I. Veinik. *Iz. vye. ucheb. zav., mashinostroyeniye* no. 3:17-23 '63

Combination soluble glass mixtures with improved knock-out properties. K. I. Basov, A. I. Kucherov. *Sbor. trud. BITM* no. 22:13-20 '64.

Core mixtures prepared by the sandblast method. K. I. Vashchenko, P. V. Avrinskii, P. A. Varenik. *Mashinostroyeniye* no. 3:20-23 My-Je '65

Coremaking in hot containers. L. E. Borodianskii, B. A. Zlobinskii. *Mashinostroyeniye* no. 2:61-62 Mr-Apr '65.

Fast drying binder for core mixtures. R. I. Gurarii. *Mashinostroyeniye* no. 3:23-25 My-Je '65.

New method of compacting a core mixture in the core box with a flow of compressed air or carbon dioxide. N. V. Afanas'ev. *Sbor. trud. BITM* no. 22:51-61 '64.

Use of large metallic cores for iron casting into chills. V. A. Komissarov. *Lit. protzv.* no. 3:4-5 Mr '65.

Using the KO oilless binder for preparing core mixes. L. M. Baryshevskii and others. *Bull. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5:39-42 My '65.

Ways of improving the knockout properties of core mixtures with a soluble glass binder. M. P. Maldanov. *Sbor. trud. BITM* no. 22:3-12 '64.

## COREMAKING—EQUIPMENT AND SUPPLIES

Modernizing the control system of model 365 core-blowing and core-shooting machines. G. A. Viktorov. *Lit. protzv.* no. 3:43 Mr '65.

## CORES (ELECTRICITY)

Automating the die stamping and assembly of magnetic systems for low-voltage electric equipment. V. R. Elbert. [Nauch. trudy] *ENIKMASHA* 11:143-150 '65.

Regulated four-hole ferromagnetic element. V. P. Krotenko. *Avtomatika* 10 no. 2:61-68 '65.

## CORN (MAIZE)

(see also subdivision under Bryansk Province; Central Chernozem region; Kustanay Province; Rostov Province; Ukraine)

Chemical weed control in corn fields. K. A. Galkin. *Trudy GSKHI* 9:102-108 '55.

Chloroplast structure in the leaves of corn grown under various light conditions. O. P. Osipova, N. I. Ashur. *Fiziol. rast.* 12 no. 2:267-262 Mr-Apr '65.

Corn as a crop preceding winter crops. I. U. K. Kobelev. *Zemledelie* 27 no. 5:53-55 My '65.

Practices in corn growing used by M. A. Vasilievskii's team. V. G. Osennii. *Sbor. rab. po mekhn. i elektr. sel'khoz. proizv.* no. 8:25-28 '63.

Processing of corn in distilleries. A. G. Zabrodskii, I. A. K. Orlovskii, Ferni, i spirtr. prom. 31 no. 2:41-42 '65.

Use of cleaning machines and aspirators in corn milling. S. Zolotarev and others. *Muk.-elev. prom.* 31 no. 2 9-11 F '65.

Use of nitrogen in the synthesis of various proteins in corn kernels studied with the aid of  $\text{N}^{15}$ . A. N. Pavlov, T. I. Kolesnik. *Fiziol. rast.* 12 no. 2:285-288 Mr-Apr '65.

CORN (MAIZE)—DISEASES AND PESTS see subdivision under Donetsk Province; Gorkiy Province; Russia, Northwestern

CORN (MAIZE)—DRYING see subdivision under Odessa

CORN (MAIZE)—FERTILIZERS AND MANURES see subdivision under Donetsk Basin; Gorkiy Province; Polesye

CORN (MAIZE)—VARIETIES see subdivision under Krasnodar Territory

## CORN BREEDING

Activity of some oxidative enzymes in double interlinear hybrids of corn and the parental forms. M. S. Rubtsova. *Trudy GSKHI* 9:41-50 '58.

Growth and development of self-pollinated corn varieties. K. V. Volkovich. *Izv. AN Kazakh SSR, Ser. biol. nauk* 3 no. 1:58-64 Ja-F '65.

Heterosis in crossing self-pollinated lines of corn. V. L. Golodkovskii, S. P. Patkhullaev. *Uzb. biol. zhur.* 9 no. 1:62-65 '65.

Making use of the male sterility in the breeding of hybrid sweet corn. N. V. Govorov. *Kons. i ov. prom.* 20 no. 3:19-21 Mr '65

## CORN-HANDLING MACHINERY

Reconstruction of the drive of the MKP-30s coin sheller. D. Sigeda. *Muk.-elev. prom.* 31 no. 3:17 Mr '65.

## CORNEA—DISEASES

Conjunctival and corneal lesions in discoid lupus erythematosus. A. M. Artyevich, A. Ia. Vilenkina, Z. I. Shapiro. *Vest. dermat. ven.* 38 no. 6:41-43 Je '64

## CORNSTARCH

New technology for the production of raw cornstarch. N. N. Tregubov. *Sakh. prom.* 39 no. 5:64-68 My '65

## CORONARY HEART DISEASE

Evaluation of aortal atherosclerosis by determining the traveling rate of the pulse wave in patients with coronary insufficiency. G. A. Pafomov. *Trudy Inst. im. N. V. Sklif* 5 no. 2:43-49 '62

## CORONARY VESSELS

"Coronary blood circulation and experimental myocardial infarction" by V. V. Fiol'kis and others. Reviewed by N. N. Trankvil'tsi. *Pat. fiziol. i eksp. terap.* 8 no. 6:87-88 N-D '64

Regulation of the coronary blood circulation. N. G. Serdiuk, V. S. Sergievskii, L. A. T'Sol. *Fiziol. zhur.* 51 no. 4:495-500 Ap '65.

Structural adaptation of the cardiac arterial bed and dynamics of some of its functional shifts following disturbed blood circulation. M. G. Shevchuk. *Arkh. anat. i embriol.* 47 no. 10:43-48 O '64

Study of coronary circulation in the combined use of contrast media and anticoagulants. V. V. Vasil'eva, K. M. Lakin, P. V. Sergeev. *Vest. rent. i rad.* 39 no. 6:16-20 N-D '64

## CORONARY VESSELS—INNERVATION

Analysis of hypothalamic effects on coronary blood circulation. N. P. Smirnova, V. M. Volodin. *Fiziol. zhur.* 51 no. 4:487-494 Ap '65.

## CORONARY VESSELS—LIGATURE

Vessels of the extremities in acute disorders of coronary circulation. A. V. Dokukin. *Pat. fiziol. i eksp. terap.* 8 no. 6:40-43 N-D '64

## CORRELATION (STATISTICS)

Important condition for increasing the profitability of construction organizations. V. Levin. *Fin. SSSR* 39 no. 6:61-62 Je '65.

## CORRESPONDENCE SCHOOLS AND COURSES

For the further development of specialized secondary education by correspondence in the R. S. F. S. R. D. F. Bruchkovets. *Sred. spets. obr.* 12 no. 2:5-10 F '65

Let's give all possible aid to correspondence education. I. P. Demidovich. *Sred. spets. obr.* 12 no. 2:26-28 F '65

Methodological instructions should help correspondence students. I. Stolskii. *Sred. spets. obr.* 12 no. 2:29-31 F '65

Organization of the independent work by students of correspondence schools. S. I. Rusakov. *Shvein. prom.* no. 2:33-36 Mr-Apr '65

Subject of a dissertation and industry. A. A. Iurchenko. *Vest. vys. shkoly* 23 no. 6:53-58 Je '65

What textbooks for correspondence students should be like. S. I. Zinov'ev. *Vest. vys. shkoly* 23 no. 6:82-86 Je '65.

## CORROSION AND ANTICORROSIVES

Effect of temperature on the corrosiveness of lubrication oils containing additives. F. Q. Suleimanova, A. B. Likha. *Zashch. met.* 1 no. 2:235-238 Mr-Apr '65

Electrochemical method for determining the efficiency of corrosion inhibitors for steel in the production of gas-condensate wells. D. M. Abramov, S. D. Zelnatov, N. M. Agaev. *Gaz. delo* no. 1:22-25 '65.

Metals and alloys for the chemical industry. G. L. Shvarts, M. M. Kristal'. *Zashch. met.* 1 no. 2:137-149 Mr-Apr '65.

Preis, G. A. [Increasing the wear resistance of the parts of the equipment of the food industry enterprises] *Povyshenie iznosostokosti detalей oborudovaniya predpriyatiy pishchevol. promyshlennosti*. Moskva, Mashgiz, 1963. 282 p.

Protection of metals from cavitation damage using anticorrosives. A. A. Vysotskii, N. E. Zobachev. *Energomashinostroyeniye* 11 no. 4:34-36 Ap '65.

Selection of the basic materials for piping systems and vessels for the woodpulp and paper industry. B. K. Shitange. *Bum. prom.* no. 3:26-28 Mr '65.

## CORROSION AND ANTICORROSIVES—CONGRESSES

At the All-Union Scientific and Technical Conference on the protection of chemical apparatus against corrosion. L. M. Kamtonskii. *Zashch. met.* 1 no. 2:248-253 Mr-Apr '65.



## CORROSION AND ANTICORROSIVES—MODELS

Laboratory modeling of the internal corrosion of pipelines V. M. Novoselskiy, Zashch. met. 1 no. 2:24-29 Mr.-Ap '65

## CORROSION AND ANTICORROSIVES—SAFETY MEASURES

Russia (1923- U. S. S. R.) Glavnoe upravlenie (pilot) tekhnicheskikh i termolizatsionnykh rabot. [Safety engineering instructions for carrying out anticorrosion operations] Instruktsionnye ukazaniya po tekhnike bezopasnosti pri proizvodstve antikorrozionnykh rabot. Moskva, Stroizdat, 1965. 85 p.

## CORTICOSTEROIDS see Adrenocortical hormones

## CORTIS ORGAN

Histochemical study of the development of the organ of Corti in mammals L. K. Titova, Arkh. anat., gist. i embriol. 48 no. 4:32-40 Ap '65.

## CORTISOL

Treatment of epicondylitis of the shoulder with hydrocortisone M. A. El'kin, Vest. khir. 93 no. 11:90-93 M '64

## CORTISONE

Changes in the ubiquinone content in the liver of normal and A-vitaminous rats under the influence of cortisone-acetate H. V. Donchenko, R. V. Chahoev, Ukr. biokhim. zhur. 36 no. 5:772-777 '64

Deacetylation of cortisone acetate with the help of molds. K. A. Koshechenko, G. K. Skriabin, Mikrobiologiya 34 no. 2:252-257 Mr.-Ap '65.

Effect of cortisone and sodium phosphate on the content of some electrolytes in the rat blood and tissues E. P. Vereshchakova, Ukr. biokhim. zhur. 36 no. 5:718-725 '64

Effect of cortisone on the content of nucleic acids in the lymphoid tissue of rabbits immunized with typhoid fever vaccine. L. I. Krasnoproshina, Zhur. mikrobiol., epid. i immun. 42 no. 1:21-27 Ja '65.

Effect of cortisone on the intracutaneous antitumor immunity K. P. Balitskii, I. U. A. Umanskiy, O. E. Pridaiko, Probl. endok. i gorm. 10 no. 4:82-84 Ji.-Ag '64.

Effect of cortisone on typhoid bacteria infections in immune animals. E. I. Zhitova, K. I. Kudriashova, Zhur. mikrobiol., epid. i immun. 42 no. 2:27-31 F '65.

Testing of hormones (cortisone and prednisone) in pneumonia. R. I. A. Kharsenskaya, Sbor. nauch. trud. Inst. infek. bol. no. 4:193-198 '64

## CORTISONE—THERAPEUTIC USE

Effect of cortisone on the development of late reactions in fatally irradiated rats treated with homologous bone marrow. K. A. Lebedev, Probl. endok. i gorm. 10 no. 5:70-74 S-O '64.

## CORYNEBACTERIUM

Ecological complex of nasopharyngeal microflora in diphtheria patients and carriers and lysogenicity of Corynebacterium diphtheriae. E. V. Bakulina, Zhur. mikrobiol., epid. i immun. 42 no. 1:130-135 Ja '65

Experience in studying the antigenic structure of the diphtheria bacillus. V. S. Suslova, Zhur. mikrobiol., epid. i immun. 42 no. 3:31-34 Mr '65

Experimental study of polydispersion bacterial aerosols. Report No. 3; Study of the aerosols of diphtheria bacilli. V. P. Zhalko-Tutarenko, Zhur. mikrobiol., epid. i immun. 42 no. 2:68-73 F '65.

## COSMIC RADIATIONS, RADIO-FREQUENCY—MEASUREMENT

Some results of measurements of cosmic radio-frequency radiation in the ionosphere I. U. S. Korobkov, Izv. vys. ucheb. zav. radiofiz. 8 no. 1:86-100 '65.

## COSMIC RAYS

Angular distribution of shower particles in collisions of 24 Bev. protons with nucleons and nuclei of a photoemulsion. Sh. Abduzhamilov and others, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 1:98-104 '65.

Coherent radio emission from cosmic-ray showers in the air and in dense media G. A. Askar'tan, Zhur. eksp. i teor. fiz. 48 no. 3:988-990 Mr '65

Determining the fraction of energy transmitted to the soft component by particles interacting with carbon nuclei. S. A. Azimov, I. U. V. Poltak, R. S. Abdullaev, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 1:38-40 '65

High-energy nuclear-active particles and the accompanying extensive air showers of cosmic rays. E. A. Murzina and others, IAD. fiz. 1 no. 8:1079-1082 Je '65.

## COSMOGONY

Bazurin, R. G. [Space studies and the development of science] Kosmicheskie issledovaniya i razvitiye nauki. Moskva, Znanie, 1965. 45 p. (Novosye zhidni, nauka, tekhnika. IX Seriya: Fizika, matematika, astronomiya, no. 9)

## COSMOLOGY

Philosophy and natural science on the problem of the infinity of the universe. S. T. Melnikin, Vop. filoz. 19 no. 6:50-60 '65.

## COSAKS see subdivision under Transbaikalia

## COST

Algorithm of an approximate calculation of total labor intensity M. M. Golanskiy, Ekon. i mat. metod. 1 no. 2:43-218 Mr.-Ap '65

## COST ACCOUNTING

Machine accounting for production costs. N. Savitskii, Bukhgh. uch. 22 no. 2:18-20 F '65.

## COST AND STANDARD OF LIVING see subdivision under Japan

## COSTS, INDUSTRIAL

Kozlovskii, V. I. [The less each article costs - the richer is the country] Deshevo kazhdoe izdelie—bogache strana. Minsk, Belarus', 1964. 57 p.

## COTTON

Flavonols from Gossypium hirsutum L. (cotton growth 108-F) Z. P. Pakudina, A. S. Sadykov, P. K. Dentlev, Khim. prirod. soed. no. 1:67-70 '65

## COTTON—DISEASES AND PESTS

(see also subdivision under Azerbaijan)  
Effect of soil amoebae on the susceptibility of cotton to the fungus Verticillium dahliae Kleb. N. V. Tapil'skaya, Uzb. biol. zhur. 9 no. 1:16-18 '65.

## COTTON—HARVESTING

Defoliants and desiccants. L. D. Stonov, Khim. v sel'. khoz. 3 no. 5:53-60 My '65.

## COTTON—IRRIGATION

Effect of irrigation on the generative organs of cotton A. A. Alimantazov, E. E. Uzenbaev, Vest. sel'khoz. nauk (Kazakh) 8 no. 2:17-19 F '65

## COTTON GROWING

(see also subdivision under Azerbaijan)  
Dalapon and diuron in cotton fields. M. Makhai, Zashch. rast. ot vred. i bol. 10 no. 4:31-32 '65.

## COTTON MACHINERY

The PU-0, 5 multipurpose loader. A. Lupanov, M. Topada, Tekh. v sel'khoz. 25 no. 5:41-42 My '65.

## COTTON MACHINERY—PATENTS

Bulovich, V. M. [Machine harvesting of cotton and its first processing; review of foreign patents] Mashinnyi sbor khlopka i ego pervichnaya obrabotka, obzor inostrannykh patentov. Moskva, Tsentr. nauchno-issl. i in-t patentov Informatsii i tekhniko-ekonom. issledovaniy, 1964. 31 p.

[MICROFILM]

## COTTON MANUFACTURE see subdivision under Frunze

## COTTON WILT

(see also subdivision under Uzbekistan)

Effectiveness of carbathion against cotton wilt. E. A. Zbarskii, E. I. Andreeva, Khim. v sel'. khoz. 3 no. 4:35-38 Ap '65.

Requirement in specific nutritive substances by Verticillium dahliae Kleb., causative agent of the cotton wilt. T. E. Popova, Mikrobiologiya 34 no. 2:324-328 Mr.-Ap '65.

## COTTONSEED OIL

Sorption kinetics of fatty acids and gossypol from cottonseed oil miscella on a EDE-10 anion exchanger. N. U. Rizaev, M. Tursunov, A. Abdurakhimov, Izv. vys. uchob. zav., khim. i khim. tekhn. 9 no. 1:135-137 '65.

## CUMARIN

Kinetics of the hydrolytic opening of the lactone ring of 6-alkyl-3,4-dihydrocoumarins. B. M. Sheiman, A. N. Kost, L. I. A. Denisova, Zhur. ob. khim. 36 no. 5:870-875 My '65.

Use of thin layer chromatography for identifying natural coumarins and furocoumarins. G. A. Kuznetsova, L. V. Kuz'mina, Rast. res. 1 no. 1:149-151 '65.

## COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

## COUPLINGS—MAINTENANCE AND REPAIR

Reconditioning couplings of automatic pipe rolling mills. B. M. Baskin and others, Metallurg 10 no. 5:29-30 My '65.

## COURT RECORDS

Archival operations in a people's court. V. Shibalov, Sov. iust. 29 no. 8:23-25 Ap '65.

## COURTS

(see also subdivision under Dnepropetrovsk; Great Britain; Kamyshevo; Kustanay Province, Moscow; Poland; Uzbekistan; White Russia)

Constantly study, generalize and disseminate advanced experience. Sov. iust. 29 no. 11:1-3 Je '65.

Ordinary Plenum of the Supreme Court of the U. S. S. R. Sots. zakon. 42 no. 8:7-9 Je '65.

Senior receptionist consultant. E. Kuznetsov, Sov. iust. 29 no. 11:10-20 Je '65.  
There should be no complaints against the work of courts. Sov. iust. 29 no. 9:14-15 My '65.

## COURTS—AUDITING AND INSPECTION

Improve the forms of assistance and control of courts. Sov. iust. 29 no. 9:9-11 My '65.

## COURTS-MARTIAL AND COURTS OF INQUIRY

Military tribunals during the Great Patriotic War N. Chistiakov, Sov. iust. 29 no. 9:3-5 My '65.

## COWS—DISEASES AND PESTS

Doses and indications for the use of pregnant mare's serum in the sterility of cows. I. I. Shmyglov, I. I. Belovitskii, Veterinarnia 12 no. 6:75-77 Je '65.

Etiology of asymptomatic sterility. F. I. Ponomarev, Veterinarnia 11 no. 6:88-91 Je '64.

Oxytocin as a means of prophylaxis of the retention of the uterus in cows. V. D. Misaailov, Veterinarnia 41 no. 4:82-83 Ap '65.

Use of glucose in the retention of the placenta in cows V. G. Martynov, Veterinarnia 41 no. 3:81-83 Ap '65.

## COXSACKIE VIRUSES

Characteristics of the clinical aspects in the course of Bornholm disease caused by Coxsackie virus B3 G. B. Kolesnikov and others, Sov. med. 30 no. 4:2-3 Ju '65.

## CRACKING PROCESS

Assembling units for the catalytic reforming of gas. B. I. Uspel', Mont. i spets. rab. v khim. 25 no. 1:1-3 Ji '65.

Effect of the chemical composition of crude oil on the yield and quality of pyrolysis products. M. M. Yur'eva, B. S. Grinchenko, Neft. i gaz. prom. 60. 2:45-51 Fe '65.

## CRANE FLIES see subdivision under Russia, B. I.

## CRANES, DERRICKS, ETC.

(see also subdivision under Poland)

Construction tower cranes. I. I. A. Kogin, Mekh. stroit. 22 no. 2:23-24 F '65.

Crane for propeller operations. I. I. A. Kogin, Mekh. stroit. 22 no. 2:29 F '65.

Economic effectiveness of modernizing tower cranes. R. Zol'tsoy, Zh. Leningradsk. inzh. inzh. 22-23 My '65

Improve the dependability and extend the longevity of crane mechanisms. V. Mal'kov, Rech. trudy 23 no. 12:17-19 D '64.

Protecting the feeding cable of gantry cranes. E. V. Kiselev, I. Kiselev, Rech. trudy 23 no. 12:41 D '64.

Tower cranes with trolleys and their effect on crane methods. E. I. Kostikov, Mekh. stroit. 22 no. 2:30-32 F '65.

## CRANES, DERRICKS, ETC.—DRAKES

Attachment to crane brakes for obtaining a variable braking moment. A. G. Gorbachev, G. G. Kuznetsov, Bezop. truda v prom. 9 no. 3:64-65 Mr '65.

## CRANES, DERRICKS, ETC.—COLD WEATHER OPERATION

Setting crane towers on sleds. I. U. G. Alekseyev, Mekh. stroit. 22 no. 2:11 F '65.

## CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION

Block assembly of the metal structures of a bridge cable crane. L. I. Mazov, Mont. i spets. rab. v khim. 25 no. 7:4-6 Ji '65.

## CRANES, DERRICKS, ETC.—MAINTENANCE AND REPAIR

Moscow, Nauchno-issledovatel'skii institut organizatsii

[Specification for the overhauling of the MSK-6-20 and BK-215 tower cranes] Tekhnicheskie uslovia na kapital'nyi remont beshchaynykh kranov MSK-6-20 i BK-215. 1965. 104 p.

## CRANES, DERRICKS, ETC.—SAFETY MEASURES

Ways of increasing the resistance of steel ropes for cranes. I. A. Ulin, I. U. V. Golubev, Bezop. truda v prom. 9 no. 3:23-24 Mr '65.

## CRANES, DERRICKS, ETC.—TESTING

Eliminate excessive load testing of bridge cranes. P. I. Oleksa, I. S. Katsip, I. I. Osmaga, Metallurg 10 no. 8:34 Je '65.

## CRANIOLOGY see subdivision under Kara-Kalpak A. S. S. R.

## CRANKS AND CRANKSHAFTS

An error in determining tangential stresses in the crank jaw of a crankshaft. P. I. Tatarinov, Vest. mashinostr. 46 no. 8:30-32 Je '65.

## CRANKS AND CRANKSHAFTS (Continued)

- Improving the reliability of the bearing bushes of a crankshaft. IU, IA, Zil'berg, K. M. Khruashchova Trakt, i sel'khoz'mash. no. 5:35-37 My '65.
- Installing the crankshaft of the 18D diesel in the bearings of the machine's bedplate without scraping the bushes. V. Pavlov. Rech. transport 23 no. 12:26-27 D '64.

## CRAWLER TRACTORS see subdivision under Canada

## CRAWLER TRACTORS—DYNAMICS

- Studying the turning of a crawler tractor. N. G. Sidorov. Zap. Len. sel'khoz. inst. 85:310-315 '61.

## CRAWLER TRACTORS—TESTING

- Measuring lateral forces acting on the frame of a crawler tractor in turning. V. A. Trofimov Trakt, i sel'khoz'mash. no. 5:7-8 My '65.

## CREAM SEPARATORS

- Volchok, I. I. [Separators for milk; their design, use, and repair] Separatory dlya moloka; konstruktivnaia ekspluatatsiia i remont, 4, izd. Moskva, Pishchevaia promyshlennost', 1965, 205 p.

## CREATINE KINASE

- Creatine content and the activity of adenosinetriphosphatase; creatine-phosphotransferase in the uterine muscles of rabbits. N. H. Himmel'teikh Ukr. biokhim. zhur. 36 no. 5:781-790 '64.

## CREATIVE ACTIVITIES AND SEAT WORK

- Children's creativeness expressed in toys made of natural materials. V. Ezikeeva. Doshk. voep. 38 no. 6:13-15 Je '65.
- Forest finds. A. Mirka. Doshk. voep. 38 no. 6:15-17 Je '65.

## CREDIT

- (see also subdivision under Kabardino-Balkar A.S.S.R.; Moscow)

- Bank credit is conducive to economic development. Den. i kred. 23 no. 6:66-71 Je '65.

- Credit during the years of the Great Patriotic War. M. Usoskin. Den. i kred. 23 no. 5:35-38 My '65.

## CREEP OF CONCRETE

- Effect of anisotropy on the creep of concrete as dependent on the duration of vibration of a concrete mixture. K. S. Karapetian. Dokl. AN Arm. SSR 40 no. 4:197-203 '65.
- Effect of anisotropy on the creep of concrete as dependent on the moisture content of the medium. K. S. Karapetian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no. 2:60-73 '65.

## CREEP OF MATERIALS

- Bazukhov, N. I. [Examples and problems in the theory of elasticity, plasticity and creep of materials] Primery i zadachi po teorii uprugosti, plastichnosti i polzuchestii. Moskva, Vysshaya shkola, 1965, 310 p.
- Calculation of structures allowing for plasticity and creep. I. A. Birger. Izv. AN SSSR. Mekh. no. 2:113-119 Mr.-Ap '65.
- Creep of ceramics made from pure aluminum and magnesium oxides at high temperatures. D. N. Polubolarnov, V. S. Bakunov. Izv. AN SSSR. Neorg. mat. 1 no. 3: 374-379 Mr '65.
- Nonsteady creep of threaded joints. A. S. Vol'fson. Izv. AN SSSR. Mekh. no. 2:124-127 Mr.-Ap '65.

## CREEP OF PLASTICS

- Creep of a layer of glass-reinforced plastics in biaxial tension. R. M. Kirakosian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no. 1:73-87 '65.
- Inherited theory of creep of polymers. I. I. Bugakov. Izv. AN SSSR. Mekh. no. 2:127-130 Mr.-Ap '65.

## CREMONA, ITALY—HISTORY—SOURCES

- Unpublished Cremona acts of the 12th century. Presented by A. M. Kononenko. Sred. veka no. 28:181-184 '64.

## CRETE, SEA OF see Candia, Sea of

## CRIME AND CRIMINALS

- (see also subdivision under Italy; United States)
- Scope and methods of analyzing the personality of the accused. M. Korshik, S. Steptchev. Sots. zakon. 42 no. 3:42-46 Mr '65.

## CRIME AND CRIMINALS—RESEARCH see subdivision under Tajikistan

## CRIME PREVENTION

- Disclosure in trial proceedings of circumstances conducive to the commission of a crime. R. Rakhunov. Sov. iust. 20 no. 8:16-18 Ap '65.
- Important ways of preventing juvenile crime. V. Klimov. Sov. iust. 20 no. 8:24-26 My '65.
- Make greater and more active use of the potential existing in advocates to control law violations. I. Kukarskii. Sov. iust. 20 no. 11:3-5 Je '65.
- The public in the struggle against lawbreaking. B. Krokhn and others. Sots. zakon. 42 no. 2:48-51 F '65.
- V. I. Lenin on the fight against crime. Sov. iust. 20 no. 8:1-4 Ap '65.

## CRIMEA—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

- Opportunities for standardization in large-block construction in the Crimea. N. Verzhbitskii. Stroitel. arkh. 13 no. 5:29-32 My '65.

## CRIMEA—FOREST NURSERIES

- Use of herbicides in the woody plant section of a nursery. V. G. Antonuk, Khim. v sel'khoz. 3 no. 1:53-55 Ap '65.

## CRIMEA—GEOLOGY

- [Study of the geology of the U. S. S. R.] Geologicheskaya izuchennost' SSSR. Kiev, Naukova dumka.
- Vol. 33. [Ukrainian S. S. R., the Crimea, Period 1951-1955] Ukrainskaia SSR, Krymskaia oblast'. Period 1951-1955.
- No. 1. [Published literature] Opublikovannye raboty. 1955, 68 p.

## CRIMEA—GRAPES—DISEASES AND PESTS

- Protect your vineyards from herbicides. P. Nikolaev. Zashch. rast. ot vred. i bol. 10 no. 4:43 '65.

## CRIMEA—GEOLOGY, STRUCTURAL

- Perekop transverse uplift in the northern Crimea. A. V. Chekunov. Geofiz. sbor. no. 8:49-58 '61.
- Subsurface crustal structure of the Crimea and the Black-Azov Sea basin according to geophysical studies. T. S. Lebedev, K. A. Bolibakh. Geofiz. sbor. no. 8: 18-26 '64.

## CRIMEA—GRAVITY ANOMALIES

- Nature of the Novotroitskaya gravity anomaly in the Crimean plain according to seismic studies. V. B. Sollogub and others. Geofiz. sbor. no. 8:3-12 '64.

## CRIMEA—HEALTH RESORTS, WATERING PLACES, ETC.

- Practices in health-resort and sanatorium construction along the southern shores of the Crimea. O. Ioffe. Stroitel. arkh. 13 no. 5:11-14 My '65.
- Prospects for the development of the southern shores of the Crimea. V. Chernyshev, E. Lipskii. Stroitel. arkh. 13 no. 5:9-10 My '65.

## CRIMEA—KARST

- Manifestation of karst in the Crimean steppes. G. N. Nazarov, B. N. Ivanov. Geofiz. sbor. no. 8:114-124 '64.

## CRIMEA—LANDFORMS

- Morphometric analysis of the characteristics of the relief division of the Boyko Massif in the Crimea. S. M. Zentina. Geol. zhur. 25 no. 2:63-68 '65.

## CRIMEA—LIMESTONE

- Large-block apartment house of natural stone. A. Bogdanov. Stroitel. arkh. 12 no. 2:10-11 F '64.

## CRIMEA—PAVEMENTS, BITUMINOUS

- Bituminous rubble pavements in the Crimea. A. A. Roslov. Avt. dor. 28 no. 2:15-16 F '65.

## CRIMEA—SANATORIUMS

- Practices in health-resort and sanatorium construction along the southern shores of the Crimea. O. Ioffe. Stroitel. arkh. 13 no. 5:11-14 My '65.

## CRIMEA—SATYRIDAE

- Unusual variability of *Satyrus actaeon* Esp. (Lepidoptera, Satyridae) in the Crimea and its possible causes. I. U. P. Nekrutenko. Zool. zhur. 44 no. 4:617-620 '65.

## CRIMEA—VETCH

- Slow germinating seeds and the viability of the sprouts of the wild vetch in the Crimea. V. V. Utkin. Vest. sel'khoz. nauki 8 no. 8:70-73 Ag '63.

## CRIMEA—VILLAGES

- Park or square for every village. N. Moisse. Zhil. i kom. khoz. 15 no. 4:17 Ap '65.

## CRIMEA—WATER—COMPOSITION

- Hydrochemical characteristics and regionalization of rivers and temporary currents of water in the Crimea. N. M. Kuz'menko. Gidrobiol. zhur. 1 no. 2:15-21 '65.

## CRIMEA—WATER, UNDERGROUND

- Possibility of flush production of thermal waters with cattle levels below the earth's surface. IU, S. Zastezhko, A. S. Terdovikov, V. A. Kurishko. Neft. i gaz. prom. no. 2:34-37 Ap-Je '65.

## CRIMEA CONFERENCE, YALTA, 1945 see Yalta Conference, 1945

## CRIMEAN MOUNTAINS—MARBLE

- Marble-like lime stones of the Crimean Mountains. V. S. Sashinovich [Prati] Inst. geol. nauk AN URSR. Ser. geol. i pod. kor. kop. no. 1:53-58 '63.

## CRIMINAL EVIDENCE see Evidence, Criminal

## CRIMINAL INVESTIGATION

- (see also subdivision under Volgograd Province)
- The auditor is an active aid for the investigator. A. Nechaenko, N. Neklepaev, L. Ronzhin. Bukh. uch. 22 no. 2:52-56 F '65.
- Is the reopening of an investigation necessary if there was a merger or separation of cases ordered by the court? I. Bykhovskii, D. Filatov. Sov. iust. 29 no. 8:10-11 Ap '65.

- Lack of proof of the participation of the defendant in a criminal act as procedural ground for dropping the criminal case at the stage of preliminary investigation. G. Chaguli. Sots. zakon. 42 no. 3:58-60 Mr '65.

- Organizational issues of criminal investigation by groups of investigators. A. Roshchin. Sots. zakon. 42 no. 2: 43-44 F '65.

- Prevention of stealing is an important obligation of an investigator. Sots. zakon. 42 no. 2:33-35 F '65.

- The truth at the stage of the preliminary investigation and during court proceedings. Sots. zakon. 42 no. 2: 22-25 F '65.

- Use of synthetic rubber in criminal investigation. A. Mironov. Sots. zakon. 42 no. 2:36-37 F '65.

## CRIMINAL INVESTIGATION—STUDY AND TEACHING

- Let's radically change the training of investigators. A. Larin. Sots. zakon. 42 no. 2:41-43 F '65.

## CRIMINAL JUSTICE, ADMINISTRATION OF

- (see also subdivision under Union Republics; United States)
- From the practice of public accusation and public defense. V. Dement'ev. Sov. iust. 29 no. 8:6-8 Ap '65.

## CRIMINAL LAW see subdivision under Turkmenistan

## CRIMINAL PROCEDURE

- Consultation. Sots. zakon. 42 no. 8:65-67 Je '65.
- Distinctive characteristics of criminal proceedings in juvenile cases. B. M. Spiridonov. Vest. Mosk. un. Ser. 10. Pravo. 20 no. 1:33-42 Ja-Mr '65.
- Is the reopening of an investigation necessary if there was a merger or separation of cases ordered by the court? I. Bykhovskii, D. Filatov. Sov. iust. 29 no. 8:10-11 Ap '65.
- Mazalov, A. G., and others, comps. [Collection of the decisions of the Plenum and rulings of the Collegia of the Supreme Court of the U. S. S. R. in criminal procedure, 1946-1962] Sbornik postanovlenii Plenuma i opredelenii kollegii Verkhovnogo Suda SSSR po voprosam ugodnogo protessa 1946-1962 gg. Moscow, Iuridicheskaya literatura, 1964, 333 p. (CSMoR)

- The use in court proceedings of facts produced by criminal investigation. E. Oychinnikova, P. Lukanov. Sots. zakon. 42 no. 2:92-94 F '65.

## CRIMINAL PSYCHOLOGY

- Mental characteristics typical for the age group of juvenile delinquents. A. Sakharov. Sots. zakon. 42 no. 6:13-16 Je '65.

## CRIMINAL STATISTICS

- Conference on statistics. Sots. zakon. 42 no. 6:70-71 Je '65.

## CRITICAL PATH ANALYSIS

- System of planning and administration on the basis of network schedules. A. Iakovlev. Plan. khoz. 42 no. 8:20-31 Je '65.

## CROP YIELDS

- Akademii nauk URSS, Kiev, Institut fiziologii roslin ta agrokhimii. [Photosynthesis and crop yields] Fotosintez i produktivnost' rastenii. Kiev, Naukova dumka, 1965, 280 p. (DNAL)

- Improved formation of generative organs in wheat sown at an early date. V. M. Pastukhova. Fiziol. rast. 12 no. 2:351-355 Mr.-Ap '65.

## CROPS AND CLIMATE see subdivision under Azerbaijan; Nakhichevan A.S.S.R.

## CRUSHING MACHINERY

- Dust removal during the operation of ball mills. A. S. Sakharov, P. A. Kolevatov. Bezop. truda v prom. 9 no. 3:47-48 Mr '65.
- Selection of steel and the heat treatment of grinding balls. IA, D. Khorin. Stal' 25 no. 5:455-457 My '65.

## CRUSHING MACHINERY—ELECTRIC POWER

- Ways of improving the power indices of crushing machinery for fine and medium crushing. G. D. Afanas'ev, V. B. Ushakov. Izv. vyz. ucheb. zav.; tsvet. met. 8 no. 1:28-33 '65.

## CRUSHING MACHINERY—WELDING

- Electric slag welding of cast frames for jaw crushers. M. G. Korzhin, A. P. Sistiashvili. Avtom. svar. 18 no. 5: 46-48 My '65.

## CRUSTACEA

Indication of plankton crustaceans in three different  
trophic levels. G. G. Vukberg, G. A. Fechenko, I. A.  
Zhurav. Zh.ool. zhur. 44 no. 5 676-687 '65

## CRYSTAL LATTICES

Frequency of oscillations in the nuclear lattice in the [100]  
direction. E. Z. Vitrakin, V. V. Gorbachev. Fiz. tver.  
tela 7 no. 6 1910-1912 Je '65  
Relation between dissociation pressure and the parameter of  
crystal lattice of multicomponent ferrites based on  
magnesium ferrite. I. D. Tretyakov and others. Izv.  
AN SSSR Neorg. mat. 1 no. 3 408-412 Mr '65  
Deviation of the plane of polarization in tetragonal  
crystals with MnF<sub>2</sub> type structure. N. G. Guseinov,  
M. A. Abdullayev. Fiz. tver. tela 7 no. 6 1739-1742  
Je '65

Temperature dependence of the effective mass and the  
effect of four-photon processes on mobility in semi-  
conductors with a narrow forbidden band. I. I. Ravich.  
Fiz. tver. tela 7 no. 6 1821-1831 Je '65

Temperature dependence of the intensity of the Raman  
spectrum of the second order in NaCl crystals.  
T. I. Masimova, A. I. Stekharov, E. V. Chisler.  
Fiz. tver. tela 7 no. 6 1881-1883 Je '65

Two-layer and multilayer three-dimensional Ising lat-  
tices. I. U. Lesia. Ukr. fiz. zhur. 10 no. 3 336-341  
Mr '65

## CRYSTAL OPTICS

Measuring the linear electro-optical effect in crystals  
using the dynamic method. A. T. Yastratov, A. A.  
Futchenko, K. S. Aleksandrov. Izv. AN SSSR. Ser. fiz.  
24 no. 6 973-977 Je '65

## CRYSTALLIZATION

Contamination of strontium sulfate during various rates  
of crystallization from super-saturated solutions. N. Ko-  
lomo, R. Pronova, I. Cholskova. Zhur. neorg. khim.  
10 no. 5 1265-1266 My '65

Crystallization of a liquid of infinite depth under gener-  
alized conditions at the boundary of conjugate phases.  
I. A. Rabinovich. Trudy Len. gidromet. inst. no. 17  
150-161 '64

Effect of certain factors on the crystallization of sodium  
metasilicate from hydrothermal silica solutions.  
G. G. Bessonov, V. D. Galstina. Izv. AN SSSR Khim.  
no. 17 no. 4 131-136 '64

Effect of crystal content on the viscosity of glucose  
masses. L. S. Khodorova, N. N. Tregubov. Sikh.  
prom. 33 no. 4 55-60 Ap '65

Effect of pressure on the temperature of metal recrystallization.  
P. K. Verbovchenko. Izv. vys. ucheb. zav.,  
tsvet. met. 8 no. 1 121-124 '65

Effect of the conditions of a crystallization on the cap-  
ture of adsorbed impurities by crystals. L. N. Matushe-  
vich, N. P. Blinov. Zhur. prikl. khim. 38 no. 4 721-  
729 Ap '65

Formula for the dependence of the surface distribution  
coefficient on the indices representing the conditions  
of crystallization. G. I. Gorshchin. Trudy IREA no. 2  
123-130 '63

Mechanical synthesis in the medium of crystallized  
monomers. N. K. Barambova, I. S. Simakov. Nauch.  
trudy MTLIP no. 30 188-191 '64

Phase recrystallization of steels alloyed with molybdenum.  
N. N. Lipchik, I. A. Belykh, V. M. Ershov. Metalloved.  
i obrab. met. no. 4 17-23 Ap '65

Reaction of boron with germanium and silicon during the  
crystallization of solid solutions based on them. V. S.  
Zemakov, V. V. Roz'destvenskaya, V. D. Leonova. Izv.  
AN SSSR Neorg. mat. 1 no. 3 343-346 Mr '65

Relation between separation factors in binary and ternary  
systems. A. N. Kirgintsev, E. G. Avvakumov. Radio-  
khimika 7 no. 1 107-110 '65

Separation factors of radioactive fission elements in the  
process of directed crystallization of sodium nitrate.  
A. N. Kirgintsev, E. G. Avvakumov, I. M. Kuleshov.  
Radiokhimika 7 no. 1 3-7 '65

Structural and mechanical properties of plasticized  
polyethylene in the presence of a surface  
crystallization nuclei. V. A. Argin, T. I. Sogolova,  
N. I. Rappoport-Moskova. Vysokom. soed. 7 no. 4  
576-579 Ap '65

## CRYSTALLOGRAPHY

Crystalline modifications of a complex of copper mono-  
chloride with thiocyanate. L. M. Shkol'nikova, I. U. V.  
Oshennikova. Trudy IREA no. 25 420-421 '63

Crystalline structure of the ZrSi<sub>2</sub> compound. O. G. Kar-  
pinskiy, B. V. Evseev. Izv. AN SSSR Neorg. mat. 1  
no. 3 337-339 Mr '65

X-ray determination of kaolinite and some other clay  
minerals and layered silicates. V. V. Vlasov, V. I.  
Rozhnikova. Lit. i pol. iskop. no. 2 177-180 Mr-Ap  
'65

## CRYSTALS

Microcrystallographic detection of some barbituric acid  
derivatives in forensic chemical investigations. A. V.  
Belova. Sud.-med. ekspert. 3 no. 2 37-45 Ap-Je  
'65

## CRYSTALS--GROWTH

Distribution of divalent impurities in growing NaCl single  
crystals. G. A. Andreev. Fiz. tver. tela 7 no. 6  
1653-1658 Je '65

Impurity distribution of monovalent ions in growing  
KCl and KBr single crystals. G. A. Andreev.  
Fiz. tver. tela 7 no. 6 1883-1884 Je '65

Overgrowth of nitric by diamond crystals. S. I. Turo-  
v. Geol. i geofiz. no. 1 172-173 '65

Saturation in growing germanium layers by an open  
iodine method. I. E. Maronchuk, I. U. G. Sidov. Vych.  
isl. no. 15 83-89 '65

Third Conference and its Transactions on the Problem  
of Single Crystal Growing. N. N. Sheftal', K. M. Gorbu-  
nova. Zhur. neorg. khim. 10 no. 6 1510 Je '65

## CRYSTALS--OPTICAL PROPERTIES

Optical properties of CaF<sub>2</sub> - Nd<sup>3+</sup> crystals. I. U. K.  
Voronko and others. Fiz. tver. tela 7 no. 6 1800-1807  
Je '65

## CUBA--CULTURE

Grigulevich, L. R. [The cultural revolution in Cuba.] Kul'-  
turnaya revoliutsiya na Kube. Moskva, Nauka, 1965,  
391 p.

## CUBA--ECONOMIC ZONING

Preliminary scheme of the economic regionalization of  
Cuba. Carmen Velasco and others. Izv. AN SSSR. Ser.  
geog. no. 3 110-119 My-Je '65

## CUBA--HISTORY

Merin, B. M. [Free Cuba, teachers' manual.] Svobodnaya  
Kuba, posobie dlia uchitel'ei. Moskva, Prosveshchenie,  
1964, 126 p.  
(CSH-II)

## CUBA--TECHNOLOGY--INFORMATION SERVICES

Problems in the development of scientific information  
in Cuba. A. Nunes Jimenes, O. I. Globachev. NTI  
no. 1 18-53 '65

## CUCUMBERS--DISEASES AND PESTS

New cucumber pest. T. V. Marchevskaya. Trudy GSKH  
2 153-164 '68

Use of trichoderma for controlling Sclerotinia libertiana  
of cucumbers under glass. M. A. Dazozhkin, A. A.  
Sapozhova. Vestn. AN SSSR. Ser. sel'sk. nauch. no. 1  
64-66 '64

## CULTIVATED PLANTS see Plants, Cultivated

## CULTIVATORS--ECONOMIC ASPECTS

Economic effectiveness of the use of the DT-20K tractor  
and a VP-2, 8 cultivator. L. Komarov, I. Grigor'yan,  
G. Shikim. Trud. v sel'sk. khoz. 25 no. 6 38-40  
My '65

## CULTURE

The building of communism and the development of the  
workers' spiritual culture. V. Koloskov. Komm. Uch.  
no. 6 18-29 Je '65

Problem of culture in pre-Marxist philosophy. V. M.  
Mezhuev. Vop. filos. 19 no. 6 83-92 '65

## CULTURE OF ORGANS see Organs, Culture of

## CUP PLANT AS FEED see subdivision under Bukovina

## CUPFERRON

Extraction of thorium, protactinium, and uranium by  
means of neocupferron. A. V. Lapitskiy, N. P. Rudenko,  
Abdel' Gavud Saad. Radiokhimiya 7 no. 2 139-142  
'65

## CUPOLA FURNACES

(see also subdivision under Rostov-on-Don)  
Coke briquets for cupola furnaces. P. A. Nefedov and  
others. Lit. prosv. no. 3 6-7 Mr '65

Compartment system for the continuous drawing of pig  
iron and slag. A. A. Timofeev, V. B. Chukanov, S. M.  
Dvoikin. Lit. prosv. no. 2 13-15 F '65

Intensification of heat exchange in a gas-fired cupola.  
I. U. A. Babikov. Lit. prosv. no. 3 42-43 Mr '65

Natural gas in cupola furnaces. A. Galda-Baranovskii,  
I. Imangulov. Nauch. khoz. Kazakh. 23 no. 3 64-65 Mr  
'65

Organizing the coordinated work of melting and molding  
sectors. K. V. Shkonda. Lit. prosv. no. 3 9-11 Mr  
'65

## CUPOLA FURNACES--EQUIPMENT AND SUPPLIES

Automatic line for the preparation of the charge blend  
and the charging of a cupola furnace. V. N. Pomin,  
Mekh. i avtom. prosv. 19 no. 4 7-10 Ap '65

Weighing equipment for the proportioning of a cupola  
charge. V. I. Vrublevskii and others. Lit. prosv.  
no. 3 15 Mr '65

## CURARE--PHYSIOLOGICAL EFFECT

Nerve and muscle refractivity and effects of curare in  
dogs of various ages. T. A. Adzhimolayev, V. P. Prazd-  
nikov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 6-8  
'64

## CURRENTS--ANALYSIS

Interrelationship between flavonol and ascorbic acid  
accumulation in black-currant berries. G. B.  
Samorodova-Blunk. Tr. kol. raik. 12 no. 2 219-215  
Mr-Ap '65

## CURVES

Quantitative analysis. A. D. Alekseyev, I. D. Burakov,  
Trudy Mat. inst. 76 19-24 '65

Rational points on an elliptic curve. A. I. Ilyin. Izv.  
AN SSSR. Ser. mat. 29 no. 3 701-716 '65

## CURVES, ALGEBRAIC

Classification of vector fields on a surface. A. I. Ilyin.  
Izv. AN SSSR. Ser. mat. 29 no. 3 701-716 '65

## CURVES ON SURFACES

A circle on a surface. I. U. K. Voronko, M. B. Tikhonov.  
Trudy Mat. inst. 76 100-111 '65

Curves on a surface near a point type det. V. A.  
Zalgaller. Trudy Mat. inst. 76 64-68 '65

Half-neighborhood and variations in the length of a  
curve on a surface. I. U. K. Voronko. Trudy Mat. inst.  
76 26-48 '65

An isoperimetric problem and estimating the length of a  
curve on a surface. A. D. Alekseyev, V. V.  
Stetskov. Trudy Mat. inst. 76 67-70 '65

An isoperimetric problem involving an area of a curve  
width on a surface. I. U. K. Voronko, V. A. Zalgaller.  
Trudy Mat. inst. 76 81-87 '65

Proportional approximation of metrics. I. U. K. Voronko.  
Trudy Mat. inst. 76 120-123 '65

Some loci on a surface. M. B. Stratikova. Trudy  
Mat. inst. 76 115-118 '65

## CUSHING SYNDROME

ACTH content in the blood of patients with Itenko-  
Cushing syndrome. I. A. Fokhin, V. M. Konevskiy,  
N. V. Mikhailova. Probl. endok. i gemat. 10 no. 1 3  
Jl-Ag '64

Role of X-ray examination of the adrenal glands in Itenko-  
Cushing syndrome, diencephalic syndromes following the  
course of Itenko-Cushing syndrome and adrenocortical  
syndrome. I. A. Perepeta. Probl. endok. i gemat. 10  
no. 5 58-61 S-O '64

## CUTTING MACHINES

Automatic machine for cutting vinyl-chloride tubes.  
N. S. Sklarov. Mashinostroyeniye no. 2 31-33 Mr-Je  
'65

Automating the trimming of ends and thread rolling  
on thin-walled, cup-type parts made by cold extrusion.  
P. A. Moshcharenchuk. [Nauch. i inzh. i NII MAZ.]  
11 112-120 '65

Machine for cutting off the unfinished ends of shells.  
A. P. Krasnov, G. K. Goncharov, S. G. Prokofyev.  
Metalurg. 10 no. 6 133 Je '65

## CUTWORMS

(see also subdivision under Azerbaijan)

Cutworm in the area of the republic. G. Shuk, R. Ilyin.  
Zhur. prikl. khim. 10 no. 4 410-410 '65

## CUTWORMS--EXTERMINATION

Exterminate the cutworm. I. Ilyin. G. Ilyin, Shuk.  
Zemledelie 27 no. 6 63-65 My '65

## CYANOCOBALAMINE

Accelerated indicator method for determining vitamin B<sub>12</sub>.  
V. M. Novikov and others. Veterinarnia 42 no. 5  
106-108 My '65

Effect of vitamin B<sub>12</sub> on immunogenesis in experimental  
immunization with tetanus antitoxin. P. B. Tashmuro-  
khmedov. Zhur. mikrobiol. i epid. i immunit. 42 no. 1  
37-41 Ja '65

Fermentation of the secondary molasses stillage by  
methane forming bacteria for the production of  
vitamin B<sub>12</sub>. G. A. Nikitin. Fermentatsiya i biokh. 31  
no. 2 32-34 '65

Vitamin B<sub>12</sub> content in water of the Bay of Savantepol  
and its possible ecologic significance. A. T. Suprunov,  
Z. A. Murayakova. Trudy SSSR 17 342-343 '65

## CYANOCOBALAMINE AS FEED

Comparative evaluation of biontyn and a preparation of  
the broth culture of Propionibacterium and Lactobacil-  
lus acidophilus. N. T. Kiba, E. I. Pugachev, I. M. Gori-  
nov. Veterinarnia 41 no. 4 71-72 Ap '65

## CYANOCOBALAMINE METABOLISM

Inhibitive effect of tryptophan metabolites on the utiliza-  
tion of vitamin B<sub>12</sub>. N. V. Masluchova, M. G. Hovhann-  
bak, Probl. gemat. i perel. krovi 10 no. 4 14-20 Ap  
'65

## CYANOGEN COMPOUNDS

Properties of cyano compounds of tetravalent platinum.  
I. I. Chernikov, A. V. Babkov. Zhur. neorg. khim. 10  
no. 4 802-814 Ap '65

## CYBERNETICS

Search for generalization in the field of religious history. B. P. Porshnev. Vop. ist. 40 no. 7:135-110 JI '65.

Yovits, M. S., ed. [Self-organizing systems. Translated from the English] Samoorganizatsionnyye sistemy. Moskva, Mol, 1964. 434 p. (CSTmor)

## CYBERNETICS—ABSTRACTS

[Journal of abstracts: Cybernetics] Ref. zhur. Kib. no. 6 Jo '65

## CYBERNETICS—CONGRESSES

Congress on cybernetics held in Belgium. I. A. Aksenov. Vest. AN SSSR 35 no. 4:65-68 Ap '65

## CYCLING

Methods of registering the movements of a cyclist in natural conditions. P. A. Akhundov. Teor. i prakt. fiz. kul't. 28 no. 6:30-12 Je '65.  
On a bicycle. R. Zinger. Sov. taishkola 20 no. 4:46-47 Ap '65.

## CYCLOHEXANE

Isotopic exchange between cyclohexane and deuterium over vaporized coatings of germanium and silicon. B. S. Gudkov, A. A. Balandin, E. P. Savin. Izv. AN SSSR. Ser. khim. no. 6:1120 '65.

Manifestation of a bifunctional character of  $\alpha\text{-Cr}_2\text{O}_3$  surface in catalytic conversions of cyclohexane. V. S. Gadzhil-Kanunov and others. Izv. AN SSSR. Ser. khim. no. 6:1121 '65.

Mixed adsorption catalysts of dehydrogenation. Part 3: Pd-Au/SiO<sub>2</sub> as a catalyst for cyclohexane dehydrogenation. A. A. Alchudzhyan, M. A. Mantikhan, A. M. Alkashim. Izv. AN Arm. SSR. Khim. nauk 17 no. 4:368-374 '64.

Treatment of pea seeds with hexachlorocyclohexane dust is not efficient. M. Moldovan, M. Lai Iononko, T. Paruta. Zashch. rast. ot vred. i bol. 10 no. 4:15-16 '65

## CYCLOHEXANONE

Catalytic methylation of cyclohexanone with dimethylamine. R. D. Erlikh, S. V. Dobrovolskiy, A. I. Korolev. Zhur. V KHO 10 no. 2:233-234 '65

Polarographic study of cyclohexanone peroxides. V. L. Antonovskii, Z. S. Frolova. Zhur. ob. khim. 35 no. 6: 654-657 Jo '65.

Reaction of tertiary perfluorinated amines with aluminum chloride. Synthesis of perfluorocyclohexanone. S. V. Sokolov, S. A. Mnzalov, S. I. Gerasimov. Zhur. V KHO 10 no. 2:234-235 '65.

## CYCLOHEXENEDICARBOXYLIC ACID

3,6-Endoxycyclohexanone and -cyclohexenes. Part 2: Stereochemistry of oximerization of dimethyl ester of 1-methoxy-3,6-endoxycyclohexanone. N. S. Zeffrov, L. P. Priznashikova, I. U. K. Ulev. Zhur. ob. khim. 36 no. 5:822-827 My '65.

## CYCLONES

(see also subdivision under Arctic regions, Europe)  
Vertical velocity of a current caused in the sea by an asymmetrical baric formation. B. A. Kagan. Trudy Len. gidromet. inst. no. 17:143-149 '64.

## CYCLOCTATETRAENE

Derivatives of tetraazadiphosphacyclooctatetraene. G. I. Derkach, M. V. Kolotilo. Zhur. ob. khim. 35 no. 6:1001-1005 Jo '65.

## CYCLOCTATRIENE

Synthesis of di-(tristyl)-cyclooctatriene. V. D. Azatian. Izv. AN Arm. SSR. Khim. nauk 17 no. 6:706-708 '64.

## CYCLOPENTENEDIONE

Condensation of 1- $\beta$ -acetoxyvinyl-6-methoxy-3,4-dihydro-naphthalene with 2,4-dimethyl- $\Delta^2$ -cyclopentene-1,5-dione. I. I. Zarotekina and others. Izv. AN SSSR. Ser. khim. no. 6:1051-1058 '65.

Condensation of 1-vinyl-6-methoxy-3,4-dihydronaphthalene with 2,4-dimethyl- $\Delta^2$ -cyclopentene-1,5-dione. I. I. Zarotekina, T. I. Sorokin, I. V. Torgov. Izv. AN SSSR. Ser. khim. no. 6:1058-1061 '65.

## CYCLOPIDAE see subdivision under White Sea

## CYCLOPROPANE

Synthesis of hydrocarbons. Part 81: Cyclopropanes with quaternary carbon atoms in the ring and in a side chain. R. I. A. Levina and others. Zhur. ob. khim. 35 no. 5:785-788 My '65.

## CYCLOTRON RESONANCE

Interaction between current carriers in semiconductors. E. M. Gerasimov, I. A. Gurvich, R. I. Rabinovich. Fiz. tver. tela 7 no. 6:1705-1709 Jo '65.

## CYLINDER (MATHEMATICS)

Magnetic field of a cylinder with finite length. V. N. Radakov. Elektricheskoye no. 3:78-79 Mr '65.

## CYLINDERS

Study of the heat buckling of a high-temperature cylinder. V. A. Palot, B. V. Shostakovich. Energomashinostroyeniye 11 no. 4:22-27 Ap '65

## CYLINDERS—TESTING

Mechanization of the hydraulic test of gas cylinders. V. G. Kapotovich, P. M. Demidova. Mashinostroyeniye no. 2:19-21 Mr-Apr '65.

## CYLINDRICAL HARMONICS see Bessel's functions

## CYMENE

Effect of the nature of a catalyst on the isomeric composition of cymenes. E. P. Bahin, N. Z. Rudenko, L. M. Sidorenko. Zhur. prikl. khim. 38 no. 4:895-900 Ap '65.

## CYPRESSINOXYLON see subdivision under Bayevak region (Ulyanovsk Province)

## CYSTEINE

Chemiluminescence and toxicity of hydrogen peroxide and cysteine reaction products. V. N. Benevolenskiy, N. N. Koshechenko, V. A. Veselovskiy. Trudy MOIP. Old biol. 21:112-116 '65.

## CYSTICERCOSIS

Longevity of *Cysticercus bovis* and the development of immunity in cysticercosis. E. S. Leikina and others. Med. paraz. i paraz. bol. 33 no. 6:694-700 N-D '64

## CYSTOSEIRAE

Some factors of the chemical action of Cystoseira on unicellular algae. K. M. Khalilov, L. A. Lanskaya. Trudy SBS 17:351-360 '64

## CYSTS

Anousmal cysts of the bones. E. M. Kagan, M. K. Klimova. Vest. rent. i rad. 40 no. 2:3-9 Mr-Apr '65.  
Case of intravital diagnosis of cystic degeneration of the lungs. M. M. Mintovich. Trudy Inst. im. N. V. Sklif. 5 no. 2:228-231 '62.

Radiographic evaluation of posttraumatic cystic cavities of the brain. N. P. Tsydzik. Trudy Inst. im. N. V. Sklif. 8:166-172 '63.

Review of M. D. Dzavadzade's monograph "Polycystosis of the kidneys, clinical aspects and treatment." S. D. Gollgorskiy, A. M. Katayf. Vest. khir. 93 no. 11: 110-142 N '61.

Surgical treatment of nonparasitic cysts of the liver. S. P. Mokhovskaya. Vest. khir. 93 no. 11:121-123 N '61.

X-ray diagnosis of broncho- and enterogenic mediastinal cysts. I. D. Kuznetsov. Vest. rent. i rad. 39 no. 6: 37-43 N-D '64.

## CYTOCHROME OXIDASE

Increase in cytochrome oxidase activity in homogenates and isolated mitochondria of loach embryos. G. V. Dontsova, A. A. Neifakh. Biokhimiya 29 no. 4:636-642 Ji-Ag '64.

## CYTOGENETICS

Cytogenetics in the visible region of the spectrum. A. I. Sherudilo. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3:145-146 '64

## CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

## CYTOLOGY

Akademika nauk SSSR. Nauchnyi sovet po problemam tsitologii. [Electron and fluorescence microscopy of the cell] Elektronna i fluoresentsnaya mikroskopiya kletki. Moskva, Nauka, 1964. 168 p. illus.  
Autoradiographic study of protein-producing cells. P. V. Makarov. Arkh. anat., gist. i embr. 48 no. 4: 3-16 Ap '65.

Correlation between cellular potentials and physiological parameters of tissue. L. V. Latmanizova. Fiziol. zhur. 51 no. 6:663-668 Jo '65.

Intracellular resting potentials of surviving sensory neurons. M. I. Sologub. Fiziol. zhur. 51 no. 6:665-662 Jo '65.

Morphology and nomenclature of immunologically competent cells of lymphoid tissue. M. P. Pokrovskaya and others. Zhur. mikrobiol. epid. i immun. 12 no. 3:8-13 Mr '65.

## CYTOLOGY—STUDY AND TEACHING

Measures to further improve the teaching of cytology in medical institutes. L. S. Sukhokov, Arkh. anat., gist. i embr. 48 no. 4:117-123 Ap '65.

## CZECHOSLOVAKIA—BOOKSELLERS AND BOOKSELLING

Readers club of technical books in Czechoslovakia. L. Grushko. Knizh. torg. 16 no. 3:44-45 Mr '65

## CZECHOSLOVAKIA—COMMUNIST PARTY

New works about the struggle of the Communist Party of Czechoslovakia during the years of the Fascist occupation. F. A. Melok. Vop. ist. 40 no. 7:172-176 Ji '65.

## CZECHOSLOVAKIA—ECONOMIC CONDITIONS

Czechoslovak virgin soil: for the 20th anniversary of its liberation from fascist occupation. M. Vaculik. Agitator 33 no. 9:57-59 My '65.

## CZECHOSLOVAKIA—FOREIGN ECONOMIC RELATIONS—UKRAINE

Fraternal relations of the Ukraine and Czechoslovakia. V. Bondarenko. Ekon. Rad. Ukr. 8 no. 5:88-92 Je '65.

## CZECHOSLOVAKIA—FURNITURE INDUSTRY

Production of bent furniture in the Czechoslovak Socialist Republic. I. A. Ogurek. Bum. i der. prom. no. 2 52-54 Ap-Je '65.

## CZECHOSLOVAKIA—LIBRARY CATALOGS

Catalogs in the research libraries of Czechoslovakia. S. K. Vilenskaya, E. I. Lesophina. Bibliotekoved. i bibli. za rub. no. 14:69-97 '64.

## CZECHOSLOVAKIA—NEUROLOGY

Neurology in Czechoslovakia. Marcella Velhova. Zhur. nevro. i psikh. 64 no. 11:1747 '64

## CZECHOSLOVAKIA—REFRIGERATION AND REFRIGERATING MACHINERY

Compressors and units of the refrigerating equipment manufactured in Czechoslovakia. V. Skrivan. Khim. tekhn. 42 no. 1:63-66 Ja-F '65.

## CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

Formation and activity of the Czechoslovak Society for the Economic and Cultural Rapprochement with the New Russia, 1925-1927. E. D. Vorob'eva. Sov. slav. no. 2:33-43 '65.

## CZECHOSLOVAKIA—RELATIONS (MILITARY) WITH RUSSIA

Together forever. O. Rytkin. Komm. Vooruzh. Sit. 46 no. 8:74-75 Ap '65

## CZECHOSLOVAKIA—SELF-SERVICE STORES

Goods within the reach of hands. V. Golotik. Sov. torg. 38 no. 1:47-48 Mr '65

## CZECHOSLOVAKIA—SOCIAL CONDITIONS

[Sea gulls over the Vitava River] Chalki nad Vitavou. Moskva, Izvestia, 1965. 117 p. (Biblioteka "Izvestii")

## CZECHOSLOVAKIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

New works about the struggle of the Communist Party of Czechoslovakia during the years of the Fascist occupation. F. A. Melok. Vop. ist. 40 no. 7:172-176 Ji '65.

## DDT (INSECTICIDE)

Cleada on grain. N. V. Vernerikov. Zashch. rast. ot vred. i bol. 10 no. 5:58 '65

Controlling the codling moth *Carpocapsa pomonella*. A. Olifer, I. Bogdan. Zashch. rast. ot vred. i bol. 10 no. 5:22-23 '65

Synergists for DDT. S. A. Roslavtseva. Khim. v sel. khoz. 3 no. 5:31-33 My '65

## DACRON

Wear resistance of wool fabric blends with lavalan fibers. T. A. Modestova, L. A. Gadzhanova. Nauch. trudy MTILP no. 30:173-178 '64.

## DAGHESTAN—BORING

Relative effectiveness of drilling methods in the Yuznosukhokumsk area. B. M. Khashimbekov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 5:113-116 '64

## DAGHESTAN—MINORITIES

Akhmetov, A. Kh. [International education of workers] International'noe vospitaniye trudiaschchikhsia. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1963. 78 p. (CST-H)

## DAGHESTAN—PIONEERS (COMMUNIST YOUTH)

With the Pioneers of Daghestan. R. Iusufov. Nar. obr. no. 6:81-82 Je '65

## DAGHESTAN—SHEEP—DISEASES AND PESTS

Epizootiology of bradot and infectious enterotoxemia of sheep in Daghestan. M. M. Farzalliev, M. M. Daigat. Veterinariya 41 no. 4:36-37 Ap '65.

## DAIRY BARN—HEATING AND VENTILATION

Natural draft ventilation in standard dairy barns. A. T. D'lonov. Veterinariya 41 no. 4:91-94 Ap '65.

## DAIRY CATTLE

Loose housing of cows. G. K. Zhukov. Sher. rab. po mekh. i elekt. sel'khoz. stroit. no. 6:3-11 '63.

## DAIRY INDUSTRY

Prevention of stealing in the dairy industry. E. Sarkisova, V. Shilunov. Stos. zakon. 42 no. 3:38-39 Mr '65

## DAIRY INDUSTRY—FINANCE see subdivision under Azerbaijan

## DAIRY MICROBIOLOGY

Bannikova, L. A., and I. N. Platinfayna. [Rapid methods of bacteriological analysis of milk and dairy products] Uskorennyye metody bakteriologicaleskogo kontrolya moloka i molochnykh produktov. Moskva, Pishchevaya promyshlennost', 1965. 36 p.

## DAIRYING see subdivision under Belgorod Province

## DAIRYING—HYGIENIC ASPECTS

Prophylaxis of infections and disinfectants used in dairying  
I. I. Alek. A. P. B. V. Veterinaria 41 no 6  
102-103 Je '64

## DALMATIA—KARST

Subsurface geomorphological explorations on the Dalmatian sea-shore  
V. P. Zerkovich, P. A. Kaplin. Izv. AN  
Sov. Ser. geog. no. 3:13-34 My-Je '65.

## DAMAGES

Calculation of damage to penetration  
Izv. AN SSSR Ser. fiz.-mat. 24 no 8:25-29 Ap '65

## DAMIRAPARANCHAY VALLEY—RUNOFF

Geomorphological conditions governing the formation of runoff in the Damiraparanchay basin. I. E. Mardanov.  
Izv. AN Azerb. SSR, Ser. geol.-geog. 1:85-102 '64.

## DAMPING (MECHANICS)

Noise problem. I. Borsachevskii, E. Lapnev. Av.  
Kosm. 47 no. 7:75-77 Ji '65.  
Reducing vibration amplitude of resonance systems by  
controlled change of parameters. K. V. Prolov  
Mashino. steni. no. 3:33-42 '65

## DAMPING (MECHANICS)—EQUIPMENT AND SUPPLIES

Characteristics of the horizontal rigidity of vibration  
dampers with flexible rubber elements. E. I. Rivin  
Vest. mashinostr. 45 no 5:20-22 My '65

## DAMS

(See also subdivision under Bratsk Hydroelectric  
Power Station)

Using flexible strings in hydraulic construction. B. M.  
I. I. Zerk. V. V. Delov. skola. Uch. zap. Mord. gos. un.  
no. 13:21-26 '63

## DANCING—see subdivision under Ukraine

## DANCING—CHILDREN'S DANCES

Riga. Em. Melngaila. Tautas Makstas dancs. [Children  
dances] Dejo berni. [Riga] Izdevnieciba "Zvaigzne,"  
1965. 287 p. [In Latvian]

## DANUBE RIVER—WATER—MICROBIOLOGY

Fungi isolated from water of the Soviet section of the  
Danube River. O. O. Mil'ko. Mikrobiol. zhur. 27  
no. 3:33-44 '65.

## DAVIS STRAIT—ICE

Changeability in ice conditions of the Labrador Sea and  
Davis Strait. A. A. Ledejev. Trudy PINRO no. 16:269-  
276 '64

## DAY NURSERIES—see subdivision under Yegorlykyskaya District

## DEAF CHILDREN—see Children, Deaf

## DEAMINATION

Radical deamination of 4-amino-2,6-dialkylphenols.  
G. A. Nikiforov, V. V. Frstov. Izv. AN SSSR, Ser. khim.  
no. 6:107-100 '65.

## DEATH, APPARENT

Dynamics of the changes in the EGG in resuscitation of  
dogs by means of direct and external massage of the  
heart following clinical death caused by ventricular  
fibrillation. V. I. Tabak. Blud. eksp. biol. i med. 59  
no. 6:35-40 Je '65

Dynamics of the restoration of functions of the central  
nervous system in patients following clinical death.  
I. I. Astapenko. Zhur. nevro. i psikh. 84 no. 11:  
1811-1817 '64

## DECORATIONS OF HONOR

Highest decoration of our motherland. F. Petrov.  
Otkryt. 41 no. 4:191-192 Ap '65.

## DEFENSE (CRIMINAL PROCEDURE)

(See also subdivision under Irkutsk)

Exchange of opinions is necessary. V. Stepanov,  
V. Shimanovskii. Sov. iust. 29 no. 8:21 Ap '65

Position of defense counsel in criminal proceedings.  
M. Nankishvili. Sots. zakon. 42 no. 6:35-37 Je '65.  
Practice in the opening of a criminal file to the defendant  
and defense counsel under the procedure required by  
Sec. 201 of the Criminal Procedure Code of the  
U.S.S.R.: results of a discussion. Sov. iust. 29  
no. 8:22-23 Ap '65.

## DEFICIENCY DISEASES

Changes in the ubiquinone content in the liver of normal  
and A-vitaminous rats under the influence of cortisone-  
acetate. H. V. Donchenko, R. V. Chahovets. Ukr.  
biokhim. zhur. 36 no. 5:772-777 '64.

Formation of sedoheptulose-7-phosphate in pigeon tissues  
in acute B<sub>12</sub> avitaminosis caused by oxythiamine. R. V.  
Treubakina, I. M. Ostrovskii. Biokhimiia 29 no. 4:  
600-614 Ji-Ap '64.

Mamchian, R. S. [Materials on the study of surgical  
aspects of avitaminosis C] Materialy k izucheniu  
khirurgicheskoi kliniki avitaminnoy C. Baku,  
Azerbaidzhanское gos. izd-vo, 1965. 116 p.  
(ONLM)

## DEFICIENCY DISEASES IN DOMESTIC ANIMALS

Prophylaxis of hypovitaminosis A in calves and young  
pigs. A. F. Gudkin, I. U. P. Mozhukhin. Veterinaria  
41 no. 4:83-85 Ap '65.

Testing selenium in the prophylaxis and therapy of white  
muscle disease in animals. A. A. Kudryavtsev, M. N.  
Andreev, L. I. Ivantsov. Veterinaria 42 no. 6:60-62  
Je '65.

## DEFOLIATION

Defoliants and desiccants. L. D. Stonov. Khim. v sel'.  
khoz. 3 no. 5:53-60 My '65

## DEFORMATION OF SURFACES—see Surfaces, Deformation of

## DEFORMATIONS (MECHANICS)

Analyzing increase in width formulas and methods of the  
experimental investigation of transverse deformation  
in rolling. V. S. Smirnov, A. K. Grigor'ev, V. A. Lunev.  
Trudy LPI no. 243:69-78 '65.

Application of the theory of residual microstresses to  
nonisothermal deformation. I. Z. Pallei. Izv. AN SSSR.  
Mekh. 2:110-113 Mr-Ap '65.

Calculating forces in the expansion of ring-type blanks.  
I. S. Dodin, N. A. Brovman. Kuz.-shtam. proizv. 7  
no. 4:9-12 Ap '65

Calculation of structures allowing for plasticity and creep.  
I. A. Birger. Izv. AN SSSR, Mekh. no. 2:103-110 Mr-  
Ap '65.

Certain characteristics of the dynamic deformation of  
alloys. S. A. Kisiljakov, N. F. Kunin. Dokl. AN BSSR  
9 no. 3:164-166 Mr '65

Coefficients of metal deformation during rolling in a  
cogging-down pass. V. S. Smirnov, A. K. Grigor'ev,  
N. Kh. Davil'bekov. Trudy LPI no. 243:54-65 '65.

Deformation of nonlinear elastic reinforced plastics.  
L. A. Bulchev. Vest. Mosk. un. Ser. i. Mat., mekh. 20  
no. 2:88-95 Mr-Ap '65.

Deformation of those parts of a window frame which  
have been pressed as a unit from ground wood. M. Z.  
Svitkin. Der. prom. 14 no. 5:6-8 My '65.

Dependence of some mechanical characteristics of poly-  
formaldehyde on the temperature and deformation  
rate. F. A. Akhmedov, M. A. Koltunov, P. V. Kozlov  
Vysokom. soed. 7 no. 4:650-654 Ap '65

Determining the course of shape forming starting from  
the plastic properties of the blank and the permissible  
deformation of the section's side edges. K. N. Bogota-  
vienskii, A. K. Grigor'ev. Trudy LPI no. 243:118-  
125 '65.

Determining unit forces and minimal reductions during  
extrusion by the method of the upper bounds solution.  
I. U. A. Allushin. Kuz.-shtam. proizv. 7 no. 4:19-24  
Ap '65.

Effect of the axial channel in working rolls on the elastic  
deformation of four-high rolling mill rolls. V. P.  
Polukhin, A. V. Zinov'ev, B. S. Zubanov. Stal' 28  
no. 5:435-437 My '65.

Effect of the deformation rate on the limit of strength of  
river ice. F. I. Ptukhin. Trudy Transp.-energ. inst.  
Sib. otd. AN SSSR no. 15:77-92 '64.

Effect of electrolytes and protective colloids on the  
change in structural-adsorptive deformations in the  
system clay-liquid. V. D. Gorodnov. Koll. zhur. 27  
no. 2:178-181 Mr-Ap '65.

Effect of vulcanization cross-linkages and strain condi-  
tions on the static and dynamic strength of vulcanizates.  
B. A. Dogadkin, K. G. Kuanyshov, V. E. Gul'. Koll. zhur.  
27 no. 2:182-185 Mr-Ap '65

Experimental disclosure of plastic zones on models made  
from a titanium alloy. I. U. N. Rabotnov, O. F. Stankevich.  
Izv. AN SSSR, Mekh. no. 2:108-109 Mr-Ap '65.

Large deformations of a strip in plastic bending. N. N.  
Malinin. Izv. AN SSSR, Mekh. no. 2:120-123 Mr-Ap '65.

Mechanism of the growth of deformation under the  
repeated effect of a moving heat source. D. A.  
Gokhfeld. Svar. proizv. no. 4:4-5 Ap '65.

Problem involving the bending of a semi-infinite plate  
lying on an elastic base. V. I. Travush. Izv. AN SSSR,  
Mekh. no. 2:144-147 Mr-Ap '65.

Stressed state of a plastic interlayer in axisymmetric  
deformation. O. A. Bakshi, L. M. Kachanov. Izv. AN  
SSSR, Mekh. no. 2:134-137 Mr-Ap '65.

## DEFORMATIONS (MECHANICS)—MEASUREMENT

Measuring elastic deformations in machine parts.  
V. P. Polukhin, A. V. Zinov'ev. Vest. mashinostr. 45  
no. 6:3-7 Je '65.

## DEGRADATION (CHEMISTRY)

Effect of the vulcanizing network structure on the  
strength and elasticity of rubbers. Part 2: Structural  
changes of the network under thermal and thermo-  
oxidative action. A. S. Lykin, Z. M. Tarasova, B. A.  
Dogadkin. Koll. zhur. 27 no. 2:224-231 Mr-Ap '65.

Mechanism of thermal carbonization of chlorine-contain-  
ing carbochain polymers. V. I. Kasatochkin and others.  
Izv. AN SSSR, Ser. khim. no. 6:1003-1008 '65.

Stabilizing activity of polymers with conjugated bonds  
in thermal and photooxidative degradation of polyvinyl  
chloride. A. A. Berlin, Z. V. Popova, D. M. Ivanovskii.  
Vysokom. soed. 7 no. 4:569-575 Ap '65.

## DEGREES, ACADEMIC

Some results of the Plenum of the Higher Scientific  
Council. M. A. Gintov. Vop. int. 10 no. 6,  
162-163 Je '65.

## DEHYDRATION (CHEMISTRY)

Dehydration of crystal hydrates of disubstituted magne-  
sium phosphate. I. S. Krasovskaya, O. S. Navlyova.  
Zhur. neorg. khim. 10 no. 6:124-126 Je '65.

## DEHYDRATION (CHEMISTRY)—THERMODYNAMICS

Determination of the thermal effects of MgSO<sub>4</sub> · 7H<sub>2</sub>O  
dehydration. L. G. Reig, A. P. P. Ilyayev. Zhur. neorg.  
khim. 10 no. 6:119-122 Je '65.

## DEHYDROASCORBIC ACID

Effect of dehydroascorbic acid on the rate of nucleic acid  
reaction. N. M. Hala. Ukr. biokhim. zhur. 36 no. 5:73-74  
710 '64

## DEHYDROGENATION

Catalytic processing of tar obtained in the dehydroge-  
nation of butane. D. A. Aliev. Neftoj. i gazokh. 10  
no. 1:33-37 '65.

Dehydrogenation of n-hexane on molybdenum-sulfide  
catalysts. R. I. Yabulniko and others. Neft. i gaz.  
prom. no. 2:53-64 Ap-Je '65

Effect of thiophene on the properties of Pd-, Rh-, Ru-,  
and Pt-Al<sub>2</sub>O<sub>3</sub> catalysts under conditions of cyclohexane  
dehydrogenation. Kh. M. Minnachev, D. A. Roshnatev,  
P. I. Shumakov. Izv. AN SSSR, Ser. khim. no. 6:899-  
1003 '65.

In vitro dehydrogenation of 11-β-hydroxyandrostenediol  
in the presence of adrenosterone. K. V. Drachukhin,  
Biokhimiia 30 no. 1:101-107 Ja-F '65.

Kinetic parameters for dehydrogenation and dehydrogenation  
of ethyl, isopropyl alcohols and dehydrogenation of  
tetralin on cerium oxide. A. A. Tikhonovskaya, A. A.  
Belandini, I. I. Tikhonovskii [Yu. Ch. Ch. G.]. Kinetika  
6 no. 1:100-114 Ja-F '65

Mixed adsorption catalysts of dehydrogenation. Part 3:  
Pd-An/SiO<sub>2</sub> as a catalyst for cyclohexane dehydrogena-  
tion. A. A. Akhmedov, M. A. Mantukhin, A. M. Akhmedov.  
Izv. AN Azerb. SSR, Khim. i tekhn. 17 no. 1:100-104 '64

## DELAY LINES

Delay system using septate waveguides with cross-type  
cross section. A. I. Terentchenko, A. G. Sheln. Radiotekhn.  
i elektron. 10 no. 6:1020-1037 Je '65.

## DELTA BOIL

(See also subdivision under Uzbekistan)

Study of the virulence of various strains of the agent of  
zoonotic cutaneous leishmaniasis. I. M. Belova. Akad.  
paraz. i parazit. 39 no. 6:660-670 N-D '64

## DELIVERY OF GOODS

Securing the integrity of socialist property in the  
delivery of goods. M. Rovinskii. Sots. zakon. 42  
no. 6:44-46 Je '65.

Standard scheme of centralized delivery. I. I. Tarasov.  
Sov. iust. 30 no. 1:19-20 Mr '65

## DENEZHNIK KAMEN' MOUNTAIN—EROSION

Nature of the placers, rock streams, and hillside  
wastes of the Denezhnik Kamen' Massif in the Northern  
Urals. N. P. Matveev. Uch. zap. MOPI 124:47-52  
'63.

## DENEZHNIK KAMEN' MOUNTAIN REGION—EROSION

Present-day erosion processes in the Denezhnik Kamen'  
region, the Northern Urals. V. M. Strigina. Uch. zap.  
MOPI 124:103-108 '63.

## DENMARK—FOREIGN RELATIONS—GERMANY, WEST

Current events. Nov. vrem. 23 no. 27:12-13 Ji '65.

## DENMARK STRAIT—HYDROLOGY

Characteristics of hydrologic conditions in the Denmark  
Strait in the fall of 1963. V. I. Pakhorukov. Mat. i fiz.  
khoz. issl. Sov. bna no. 1:94-98 '61.

## DENSITOMETERS

Remodeled densitometer for hot disodium phosphate  
solutions. I. S. Dmitrenko, I. U. L. Lashmanov. Khim.  
prom. [Ukr.] no. 2:77-78 Ap-Je '65.

Study of the electrophoretic fractionation of RNA in an  
agar gel by direct densitometry method in an ultra-  
violet field. R. Tsanev. Biokhimiia 30 no. 1:124-125  
Ja-F '66.

## DEPENDENCY (PSYCHOLOGY)

Zhishin, S. G. [Studies on clinical psychiatry: clinical  
pathogenetic relations of dependency] Ocherki klini-  
cheskoi psikhologii; kliniko-patogeneticheskie zavisi-  
mosi. Moskva, Meditsina, 1965. 310 p.  
(ONLM)

## DEPOLARIZATION (ELECTRICITY)

Correlation between depolarization and contraction in  
various skeletal muscles in mammals. E. K. Zhukov.  
Fiziol. zhur. 51 no. 6:853-862 Je '65.

## DEPOLARIZATION (ELECTRICITY) (Continued)

Reactions of giant nerve cells to an interruption of hyperpolarizing current. V. D. Gerasimov, P. G. Kostuk, V. A. Malekh. *Fiziol. zhur.* 51 no. 6:703-710 Je '65.

## DEPRESSION, MENTAL

Results of clinical classification of depressive states. A. I. Plotichar. *Zhur. nevr. i psikh.* 64 no. 11:1676-1682 '64.

Therapeutic evaluation of theralone in the clinical aspects of depressive states. V. M. Shamanina, G. I. Zavidovskaya. *Zhur. nevr. i psikh.* 64 no. 11:1741-1746 '64.

## DER'IAEV, KHYDYR

National features in Kh. Der'iaev's novel "Fate." L. Azimova. *Izv. AN Turk. SSR, Ser. obshchestv. nauk* no. 6:64-61 '64.

## DERMATOLOGY—CONGRESSES

Work of the Rumanian National Conference on Dermatology. A. A. Studnitski, N. S. Smelov, V. I. A. Arutunov. *Vest. dermat. i ven.* 38 no. 6:89-74 Je '64.

## DERMATOLOGY—DICTIONARIES

Akademii nauk Azerbaidzhanskoi SSR. *Baku. Termino-logicheski komitet. [Dictionary of terms for dermatological and venerological diseases] Slovar' terminov po kozhnykh i venericheskimi bolezni. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 79 p. [In Russian and Azerbaijani]*

## DERMATOPHYTES—CULTURES AND CULTURE MEDIA

Use of acti-dione in the cultivation of dermatophytes. M. Kakhnich, S. Tkachuk. *Veterinaria* 42 no. 8:105 Je '65.

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERT FAUNA see subdivision under Tuva A.S.S.R.

## DESIGN, INDUSTRIAL

Aid for the industrial designer. Technological efficiency and industrial design. A. Davydovskii. *Tekh. est.* no. 3-8-15 Mr '65.

Analysis is an sine qua non of industrial design. I. Somov. *Tekh. est.* no. 5:1-5 My '65.

Conference on industrial designing. *Tekh. est.* no. 4: Ap '65.

Development of machine-tool manufacture and requirements of the industrial design of machine tools. G. Zuzanov. *Tekh. est.* no. 3:1-7 Mr '65.

In the design bureaus. *Tekh. est.* no. 5:32 My '65.

In the design organizations. *Tekh. est.* no. 3:32 Mr '65.

Nature and substance of design. K. Ivanov. *Tekh. est.* no. 3:21-25 Mr '65.

Nature and substance of design. K. Ivanov. *Tekh. est.* no. 5:12-15 My '65.

News review. *Tekh. est.* no. 3:3 of cover Mr '65.

News review. *Tekh. est.* no. 4:3 of cover Ap '65.

News review. *Tekh. est.* no. 6:3 of cover My '65.

Nonmetallic materials in machine-tool manufacture. E. Malorova. *Tekh. est.* no. 3:18-18 Mr '65.

One of the quality criteria of shape. A. Solomatina, V. Roatkov, B. Shelkov. *Tekh. est.* no. 5:10-11 My '65.

Some problems of technical aesthetics. S. Valerius. *Izvestiya* 28 no. 4:28-32 '65.

Specialization is indispensable. R. Kudritskii and others. *Tekh. est.* no. 4:22-23 Ap '65.

## DESIGN, INDUSTRIAL—COMPETITIONS

Creative results of the contest "Design suggestions." A. Avtonomov, S. Petrov. *Tekh. est.* no. 4:17-18 Ap '65.

## DESIGN, INDUSTRIAL—STUDY AND TEACHING

Experience in the teaching of the course in industrial design in the Bauman High Technical School in Moscow. V. Butusov. *Tekh. est.* no. 5:16-17 My '65.

Include technical drawing in the program for training industrial designing engineers. A. Boltukhin, S. Solov'ev. *Tekh. est.* no. 5:18-20 My '65.

Our first experience in organizing the experimental designing work. N. A. Troshanov. *Sred. spets. obr.* 12 no. 3:36-37 Mr '65.

Teaching the course in industrial design in the institutions of higher learning. L. Greiner. *Tekh. est.* no. 3:25 Mr '65.

What kind of program for the course in "Industrial Design?" Opinion of teachers and students. V. Asio-vich and others. *Tekh. est.* no. 5:20-21 My '65.

## DESMANS

Dezman and muskrat: ecological relationship of these species and their economic significance. L. P. Borodin. *Izvl. MOIP. Otd. biol.* 70 no. 1:20-32 Ja-F '65.

## DESDA RIVER—ALGAE

Blue-green algae, new indicators of pollution. V. M. Chernousova. *Gidrobiol. zhur.* 1 no. 2:60 '65.

## DESDA RIVER—WATER—POLLUTION

Blue-green algae, new indicators of pollution. V. M. Chernousova. *Gidrobiol. zhur.* 1 no. 2:60 '65.

## DESULFURATION

Desulfuration of cast iron in vacuum. N. N. Volkov. *Lit. proizv.* no. 2:37-39 F '65.

Mechanism of thermal desulfuration of the hydrogen form of ion exchanger KU-2 in hydrocarbon media. N. G. Polianskii and others. *Zhur. prikl. khim.* 38 no. 4:1910-918 Ap '65.

Role of manganese in the oxygen-blown converter process. V. I. Zhibulin, P. S. Rubinskii. *Stal'* 25 no. 5:415 My '65.

## DETERMINATIVE MINERALOGY see Mineralogy, Determinative

## DETONATION

Effectiveness of the detonation. G. Panov. *Sov. shakht* 14 no. 3-2-13 Mr '65.

Sensitivity of the DSh-A detonation fuse to mechanical impulses. P. S. Bakhtin, I. U. M. Minsk, A. A. Ilushin. *Bezop. truda v prom.* 9 no. 3:38-39 Mr '65.

## DEUTERIUM

(see also subdivision under Soviet Central Asia)

Manifestation of a bifunctional character of  $\alpha$ -Cr<sub>2</sub>O<sub>3</sub> surface in catalytic conversions of cyclohexane. V. S. Gadzhil-Kasumov and others. *Izv. AN SSSR, Ser. khim.* no. 6:1121 '65.

Total isotopic composition of atmospheric precipitation. V. M. Glushchenko, L. P. Krainova. *Zap. Uz. itd. Vses. min. ob-va* no. 16:8-10 '64.

## DEUTERIUM OXIDE

Study of the relationship between respiration and water absorption in corn with the aid of heavy water (D<sub>2</sub>O). F. D. Samulov. *Fiziol. rast.* 12 no. 2:226-237 Mr-Apr '65.

## DIABETES

Adipose genital dystrophy and diabetes insipidus following cerebrocranial injury. I. L. Ben'kovich. *Probl. endok. i gorm.* 10 no. 4:70-71 Ji-Ag '64.

Arteriographic data on some characteristics of arteriosclerosis of lower extremities in diabetes mellitus. I. S. Klemashov. *Probl. endok. i gorm.* 10 no. 5:17-20 S-O '64.

Blood protein electrophoresis in diabetes mellitus. E. M. Egorova. *Probl. endok. i gorm.* 10 no. 4:41-44 Ji-Ag '64.

Clinical aspects and treatment of myocardial infarction in diabetes. S. Sideraite, I. Kibarkis. *Probl. endok. i gorm.* 10 no. 5:10-13 S-O '64.

Diabetic anglopathy: pathomorphological data. A. A. Abramova. *Probl. endok. i gorm.* 10 no. 5:20-25 S-O '64.

Diabetic osteoarthritis. R. K. Kaluzhenko, G. V. Kudriavtsev. *Probl. endok. i gorm.* 10 no. 5:26-28 S-O '64.

Effect of some hormonal factors on the lipolytic activity of the adipose tissue and on the serum content of non-esterified (free) higher fatty acids under normal conditions and in alloxan diabetes. N. K. Davtina. *Probl. endok. i gorm.* 10 no. 4:84-89 Ji-Ag '64.

Histochemical changes in submaxillary glands of rats in alloxan diabetes. E. A. Shumilova, L. P. Chumakova. *Probl. endok. i gorm.* 10 no. 4:80-83 Ji-Ag '64.

Insulin inactivating capacity of the hepatic tissue of rats in experimental pancreatic diabetes. M. F. Belovinskaya, V. G. Shalupina. *Pat. fiziol. i eksp. terap.* 8 no. 8:55-57 N-D '64.

Methodology for complete pancreatectomy in rats; production of a model of diabetes mellitus in rats. V. D. Churakova. *Probl. endok. i gorm.* 10 no. 4:101-104 Ji-Ag '64.

Prolonged remission of diabetes mellitus and polyneuritis. E. G. Moskvich. *Probl. endok. i gorm.* 10 no. 4:66-67 Ji-Ag '64.

Studies on the electrolyte metabolism in diabetes mellitus and some of its complications. A. Kh. Astrug. *Probl. endok. i gorm.* 10 no. 4:22-27 Ji-Ag '64.

Surgeon's tactics in surgical diseases in elderly persons with diabetes. I. L. Kanterman. *Trudy Inst. im. N. V. Sklif.* 9:99-102 '63.

Use of celampihen in hypercholesterolemia in diabetes. S. A. Balen, E. M. Basesina. *Probl. endok. i gorm.* 10 no. 5:7-10 S-O '64.

## DIAGNOSIS

Cenestopathic syndrome in an internal and psychiatric clinic. K. A. Skvortsov. *Zhur. nevr. i psikh.* '64 no. 11:1871-1875 '64.

Golgorski, S. D. [Studies on urological semiotics and diagnosis] *Ocherki urologicheskoi semiotiki i diagnostiki. Izd. 3., dop. Kishinev, Karla moldove-naske, 1965. 222 p., illus.*

(DNLM)

Significance and possibilities of craniographic and pneumoencephalographic method of examination in the diagnosis of brain insult with a tumoral course. A. M. Pulatov. *Zhur. nevr. i psikh.* 65 no. 6:632-636 '69.

## DIAGNOSIS, CYTOLOGIC

Cytologic diagnosis of neuroinomas. N. I. Nikitina. *Vop. onk.* 11 no. 1:30-31 '65.

Organization of cytologic studies in gynecological oncology. E. A. Svindler. *Vop. onk.* 10 no. 12:81-87 '64.

## DIAGNOSIS, DIFFERENTIAL

Differential diagnosis of initial and atypical forms of diffuse toxic goiter. I. I. Markov, V. M. Urin. *Sov. med.* 28 no. 4:3-8 Ap '65.

Errors in the diagnosis of cancer of the stomach. A. M. Shabanov, L. S. Boguslavskii. *Sov. med.* 28 no. 4:14-19 Ap '65.

## DIAGNOSIS, FLUOROSCOPIC

Use of fluorescence microscopy for early diagnosis of influenza. M. I. Slobodaniuk, T. I. Buzhkevskaya. *Sborn. nauch. trud. Inst. infek. bol.* no. 4:185-187 '64.

## DIAGNOSIS, FLUOROSCOPIC—EQUIPMENT AND SUPPLIES

Device for a large-photograph fluorograph used in the examination of the skull, accessory nasal sinuses and the spine. A. G. Gavrilin, I. M. Pyl'tsov. *Vest. rent. i rad.* 40 no. 2:57-58 Mr-Apr '65.

## DIAGNOSIS, RADIOSCOPIC

Clinical and radiological parallels in the diagnosis of cardiac and pulmonary pathology by the use of radioactive sodium (Na<sup>24</sup>). B. E. Votchal and others. *Trudy TSU* 71:17-34 '64.

Clinical and X-ray diagnosis of destructive appendicitis. A. I. Kogan, I. E. Shkola. *Vest. rent. i rad.* 39 no. 6:55-57 N-D '64.

Comparative evaluation of some radiolodine tests used in the diagnosis of thyroid diseases. A. Kh. Mirkhod-zhaev, N. K. Muratkodzhayev. *Probl. endok. i gorm.* 10 no. 5:28-32 S-O '64.

Determination of fat assimilation in gastrointestinal diseases by means of <sup>131</sup>I (triolate glycerin). M. N. Gateva and others. *Med. rad.* 10 no. 3:11-18 Mr '65.

Determination of the function of the thyroid gland by the accumulation of tagged triiodothyronine in the erythrocytes. V. K. Modestov and others. *Trudy TSU* 71:81-89 '64.

Diagnosis of cancer of the cardiac section of the stomach with the aid of radioactive phosphorus (P<sup>32</sup>). Kh. Kh. Mirzaev. *Trudy TSU* 71:73-77 '64.

Direct and indirect methods of a radiological study in differential diagnosis of tumors of the kidneys. R. V. Logvinova. *Trudy TSU* 71:83-83 '64.

Measuring the mass of circulating erythrocytes and the volume of blood with the aid of radioactive chromium in differential diagnosis in erythremia and secondary erythrocytosis. N. N. Chernysheva. *Trudy TSU* 71:140-145 '64.

Measuring the volume of circulating blood in strangulated intestinal obstruction in an experiment. I. U. M. Dederer. *Trudy TSU* 71:140-155 '64.

Method for teaching radioisotope diagnosis to students of medical institutes. Z. E. Akimochkina, L. V. Novikova, L. A. Iudin. *Med. rad.* 10 no. 3:44-49 Mr '65.

Precipitation pneumocystography in the X-ray diagnosis of tumors of the urinary bladder. V. M. Perel'man. *Vest. rent. i rad.* 40 no. 1:41-46 Ja-F '65.

Results of radiologic diagnosis of tumors of the orbit. M. L. Krasnov and others. *Trudy TSU* 71:113-118 '64.

Results of three year's use of radioactive isotopes in the diagnosis of intracranial tumors. M. L. Krasnov and others. *Trudy TSU* 71:107-112 '64.

Röntgenocinematography in the diagnosis of cancer of the laryngopharynx and cervical portion of the esophagus. L. E. Kevesh. *Vop. onk.* 11 no. 1:11-15 '65.

Role of scanning in the diagnosis of malignant neoplasms of the thyroid gland. N. V. Obukhov. *Med. rad.* 10 no. 6:13-11 Je '65.

Role of X-ray examination of the adrenal glands in Ikenko-Cushing syndrome, diencephalic syndrome following the course of Ikenko-Cushing syndrome and adrenocortical syndrome. L. A. Perepust. *Probl. endok. i gorm.* 10 no. 5:88-91 S-O '64.

Significance of simultaneous tomography in differential diagnosis of the shadow of the thymus gland and of pathological processes in the mediastinum. E. B. Britum. *Vest. rent. i rad.* 40 no. 1:7-12 Ja-F '65.

Significance of the profile scanning method in the diagnosis of malignant tumors of the thyroid gland. V. Z. Agranat, N. V. Obukhov. *Med. rad.* 10 no. 3:7-11 Mr '65.

Study of central hemodynamics by the method of selective quantitative radioangiography with the aid of radioactive krypton (Kr<sup>85</sup>). B. E. Votchal and others. *Trudy TSU* 71:35-50 '64.

Study of the distribution of intravenously administered <sup>131</sup>I-tagged rose bengal and colloid radioactive gold Au<sup>198</sup> by the method of autoradiography. R. G. Nikitina. *Trudy TSU* 71:165-166 '64.

Study of the functional state of the thyroid gland in erythremia. A. L. Kozyreva, N. I. Mitashova. *Trudy TSU* 71:70-72 '64.

Study of the pathological changes in the soft tissues in the X-ray image. F. M. Shlein. *Vest. rent. i rad.* 40 no. 2:27-31 Mr-Apr '65.



## DIAGNOSIS—RADIOLOGICAL (Continued)

TSybul'skiy, B.A., and V.I. Stetsnikov, comps. [Combined use of contrast media in the X-ray diagnosis of abdominal tumors, methodological manual] Kombinirovannoy kontrastirovaniye rentgenodiagnostike opykhoi brizdnoi polosti, metodicheskoe posobie. Moskva, Gosnaucho-issledovaniya rentgeno-radiologicheskii inst., 1964, 75 p. (DRLM)

Use of radiocontrast media in the diagnosis of malignant tumors of the thyroid gland. B.M. Vturiin. Med. rad. 10 no. 11-12 1965 Mr '65

Use of radioactive phosphorus in the diagnosis of diseases of the cervix uteri. A.A. Nesterova. Trudy RSU 31 190 1964

X-ray diagnosis of adenoids. A.M. Faizullin. Vest. rent.i rad. 40 no. 170-71 Ja-F '65

X-ray diagnosis of bronchogenic and enterogenic mediastinal lymphadenopathy. Vest. rent.i rad. 39 no. 6 1964 D-F '64

X-ray diagnosis of lobar and segmental atelectases in children. I.A. I. Shik. Vest. rent.i rad. 40 no. 113-7 Ja-F '65

## DIAPYCN FAMILY

The Black Sea peashkeed cod. F. Kormakov. Sov. voim 47 no. 11-17 Je '65

## DIAL TELEPHONE see Telephone, Dial

## DIALECTICAL MATERIALISM

Dialectics of objective conditions and the subjective factor in the building of communism. G.E. Glezerman. Vop.filos. 19 no. 6-14 '65

Farber, L.E. [The essence of law, a textbook] O sushchnosti prava, uchebnoe posobie. [Saratov] Izd-vo Saratovskogo univ., 1959, 75 p. (MICROFILM)

Goncharuk, S.I. [Unity of theory and practice] Edinstvo teorii i praktiki. Moskva, Izd-vo "Znanie", 1965, 46 p. (Novoe v zhizni, nauke, praktike. II Seriya. Filosofii, no. 11)

An interesting book on dialectical logic. V. Gabchenko. Vest. Mosk. un. Ser. 8, Evon. filos. 20 no. 278-80 Mr-Apr '65

Lenin's ideas and modern natural science. V.I. Siforov, L.B. Nuzik, M.S. Slutskii. Vest. AN SSSR 35 no. 4 5-10 Ap '65

Marxism and existentialism. P. Korrsev. Vest. Mosk. un. Ser. 8, Evon. filos. 20 no. 21-33 Mr-Apr '65

Marxism and existentialism. P.P. Ivanova. Vop.filos. 13 no. 8-157-161 '65

Molditsov, V.S. [The origin of dialectical and historical materialism as a revolution in philosophy] Vozniknovenie dialekticheskogo i istoricheskogo materializma - revolyutsiya v filosofii. [Moskva] Izd-vo Mosk. univ., 1965, 76 p.

A useful book on historical materialism. F.K. Kochetkov. Vop.filos. 18 no. 6-162-165 '65

## DIAMAGNETISM

Some properties of the quasi-atom e<sup>+</sup>H. Din' Van Khoang. Dokl. AN BSSR 9 no. 3 152-155 Mr '65

## DIAMINE OXIDASE

Study of the substrate specificity and cofactors of diamine oxidase from the hog kidney. E.V. Gorischenkova, E.A. Frashova, Bickhimia 30 no. 1:165-173 Ja-F '65

## DIAMONDS

(See also subdivision under Irkutsk Province)

Growth of crystals by diamond crystals. S.I. Futergendler. Geol. i geofiz. 2 no. 1172-173 '65

## DIAMONDS, INDUSTRIAL

Diamond grinding of high-speed cutting tools. A.I. Grabchenko. Mashinostroenie no. 3:53-54 My-Je '65

Fine diamond grinding of the curvilinear surface of a hardened steel cam disk. I.A. A. Kimkin, I.U.F. Barannik, S.I.A. Mikhel'son. Mashinostroenie no. 3:54-56 My-Je '65

Popov, S.A., ed. [Efficient use of diamond tools] Ratsional'naya ekspluatatsiyaalmaznogo instrumenta. [By] M.E. Kaminskii i dr. Moskva, Mashinostroenie, 1965, 238 p.

Scientific-technical seminar on machining with diamond tools. G.I. Iasinskii. Vest. mashinost. 45 no. 6:83-84 My '65

## DIAPHRAGM—HERNIA

Combination of hernia of the esophageal hiatus and cancer of the superior portion of the stomach. V.R. Antonovich. Vest. rent.i rad. 40 no. 124-30 Ja-F '65

## DIBENZEPINE—SIDE EFFECTS

Psychic complications related to tofranil treatment. V.K. Shumilova. Zhur. nevro. i psikh. 65 no. 6:924-927 '65

## DIATOMS

Distribution of Black Sea species of the genus Chaetoceros in the seas of the Northern Hemisphere and their biogeography. N.F. Mikhailova. Trudy SBS 17 231-246 '65

Effect of copper on the growth and development of diatom algae under the conditions of monocultures and in the sea on its surface covered with nonfouling paint. Z.S. Kucherova. Trudy SBS 17 325-371 '61

## DIAZO COMPOUNDS

Antineoplastic effect of some diazo compounds. I.G. Spassvaia. Vop.onk. 10 no. 12 56-59 '61

Fluoroaliphatic diazo compounds. Report No. 2.  $\alpha$ -Diazoperfluoro ketones. B.L. Diatkin, E.P. Mochalina. Izv. PISIS. Ser. khim. no. 6 1035-1039 '65

## DICHROMATES

Dichromate sludge as a raw material for the production of cements. V.A. Pjachev, M.F. Chebukov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 118-123 '65

## DICKENS, CHARLES, 1812-1870

I.I. Vvedenskii's translation of phrases in works by Dickens and Thackeray. I.A. Borodianskii. Uch. zap. Kaf. perev. MGPIIA no. 2 100-108 '64

Letters of C. Dickens. V. Ivasheva. Vop. lit. 9 no. 6 226-229 Je '65

## DICOLINE

Effect of a ganglionic block induced by hexonium and dicoline on the sensitivity of the organism to acute blood loss. A.T. Denisov. Pat. fiziol. i eksp. terap. 8 no. 6 79-80 N-D '64

## DICOTYLEDONS

Bykov, B.A. [Dominant plants of the plant cover of the Soviet Union] Dominantny rastitel'nogo pokrova Sovetskogo Soyuza. Alma-Ata, Nauka, Vol. 3, 1965, 460 p.

## DICTATORSHIP OF THE PROLETARIAT

From the state of the dictatorship of the proletariat to the state of all the people. V.I. Razin. Vop.filos. 19 no. 6:15-25 '65

The period of the transformation of the state of the dictatorship of the proletariat into an all-people state. A.I. Denisov. Vest. Mosk. un. Ser. 10. Pravo 20 no. 1 3-11 Ja-Mr '65

## DIE CASTING

Calculating the number of revolutions of Die-casting molds needed for making large polyamide sliding bearings. V.M. Shestakov. Vest. mashinost. 45 no. 6 37-39 Je '65

Effect of vacuum treating the mold cavity on parameters of the process and gas content of castings in die casting. L.A. Gasparian. Lit. protz. no. 3:32-36 Mr '65

Flow of gases from the mold cavity through vents during die casting. A.A. Ryzhikov, S.Z. Zlotin. Lit. protz. no. 3:35-37 Mr '65

Manufacturing aluminum and zinc alloy parts on the die-casting machines. V.I. Krylov, I.L. Mezhebzher, Bial. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 18 no. 4:14-16 Ap '65

## DIE CASTING—EQUIPMENT AND SUPPLIES

Introducing water-cooled steel chill molds for large-scale cast iron castings. I.M. Semchuk and others. Mashinostroenie no. 3:27-28 My-Je '65

Modernizing dies used in die casting with machines having a horizontal compression chamber at the "Elektroapparat" Plant. S.I. Tsimkhman, Bial. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 18 no. 4 53-54 Ap '65

## DIELECTRIC CONSTANT

Antiferroelectric and ferroelectric phase transitions in PbCo<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>. V.A. Bokov and others. Izv. AN SSSR. Ser. fiz. 29 no. 5:929-932 Je '65

Dielectric properties of the antiferroelectric PbZrO<sub>3</sub> in the ultrahigh frequency region. V.M. Petrov. Izv. AN SSSR. Ser. fiz. 29 no. 5:933-936 Je '65

Energy relations on the boundary of a nonlinear medium. V.F. Marchenko. Izv. vys. ucheb. zav., radiofiz. 8 no. 2 403-407 '65

Theory of radiation from a charge passing through an electrically inhomogeneous medium. F.G. Bass, V.M. Iakovenko. Uspe. fiz. nauk 86 no. 2 189-230 Je '65

## DIELECTRICS

Calculation of resonators and wave guides with multilayer dielectrics. G.F. Semenov. Izv. vys. ucheb. zav., radiofiz. 8 no. 2:407-409 '65

Interphase surface energy of metals at the boundary with dielectric fluids. S.N. Zadumkin, A.A. Karashayev. Fiz. - khim. mekh. mat. 1 no. 2 139-141 '65

Lead corrosion in dielectric materials. T.A. Mikhlinova, L.G. Gindin. Zaach. met. 1 no. 2:189-198 Mr-Apr '65

"Oil saturated paper insulation in high-voltage structures" by M.A. Greisukh and others. Reviewed by V.V. Pichkovskii. Elektrotehnika 36 no. 3:13 of cover Mr '65

## DIELECTRICS—OPTICAL PROPERTIES

Study of some inorganic dielectrics in the long-wave part of the infrared region. M.D. Mashkovich, A.I. Demeshina. Fiz. tver. tela 7 no. 6:1634-1638 Je '65

## DIENCEPHALON

Prenatal ontogeny of the epithalamus in rabbits. I.I. Belova. Trudy Inst. norm. i pat. fiziol. AN SSSR 1 21-22 '64

## DIENCEPHALON—DISEASES

Role of X-ray examination of the adrenal glands in the diagnosis of Cushing syndrome, dienecephalic syndrome following the course of Recken-Cushing syndrome and adrenocortical syndrome. I.A. Potapov. Probl. endok. i gorm. 13 no. 5:58-61 S-O '64

## DIENCEPHALON—WOUNDS AND INJURIES

Clinical aspects of cranioencephalic trauma with preponderant lesions in the diencephalic region. D.G. Zhuchenko, V.I. Naumenko. Trudy Inst. norm. i pat. fiziol. AN SSSR 1 21-22 '64

## DIES (METALWORKING)

Dies for two-hole curling of hollow parts. V.I. Kevach. Kuz.-st. i metal. protz. 7 no. 3 11-12 Ap '65

Hard facing of dies. M.S. Poliak. Kuz.-st. i metal. protz. 7 no. 3 46-48 Ap '65

## DIESEL ELECTRIC POWER PLANTS

The GDGA-48 automated engine-generator system with an 80 hp 6GCH 12/14 gas motor. A.S. Khechikava and others. Energomashinostroenie 11 no. 4 46-48 '65

## DIESEL ENGINES

Determination of running pressures in the cylinder of a diesel during combustion. I.U. V. Zakharenko. Energomashinostroenie 11 no. 5:25-28 My '65

Detonation in engine crankcases. I.I. Krylov. Mashinostroenie 11 no. 5:40 My '65

Fiftieth Anniversary of the Central Research Institute of Diesel Engines. I.K. Kullerov. Energomashinostroenie 11 no. 4:43-44 Ap '65

Improvement of operational parameters of diesel engine mixture formation and small air excess by means of a fuel vortex. I.S. Rominon, I.V. Boldyrev. Energomashinostroenie 11 no. 5 18-21 My '65

Use of lumber transportation machinery with diesel engines. I.U. A. Syvarkin, A.T. Koshlapova, G.V. Sokolov. Trudy STI 33:60-66 '62

## DIESEL ENGINES—FUEL SYSTEMS

Adjusting fuel pumps to engines. V. Zakharkinskii. Tekhn. v sel'khoz. 25 no. 5:59-60 My '65

Regulator for low-power diesel-generator systems. A.A. Grunakov, V.A. Dik. Energomashinostroenie 11 no. 4:17-18 Ap '65

## DIESEL ENGINES—LUBRICATION

Effect of additive sulfur in diesel oil on the processes of the running-in of couplings. A.N. Andreev. Tekhn. v sel'khoz. inst. 85:23-28 '61

Repairing oil pump parts of the SMD engines. V. Trofimov. Tekhn. v sel'khoz. 25 no. 5:65-66 My '65

## DIESEL ENGINES—STARTING DEVICES

Use of free running clutches with disconnecting mechanism in the system of starting diesel engines. V.F. Kostov, N.I. Kotlikov. Trakt. i sel'khoz. mash. 12-13 My '65

## DIESEL ENGINES—TESTING

Studying mechanical stresses in diesel engine heads with soft gaskets. N.D. Chaynov. Trakt. i sel'khoz. mash. 12-13 My '65

## DIESEL LOCOMOTIVES

(See also subdivision under Transbaikalia)

Automatic control of fueling diesel locomotives. A.P. Rozhdestvennik, M.L. Gokhman. Zhel. dor. transp. 47 no. 6 65-66 Jo '65

[Internal combustion engines and gas turbines for diesel locomotives] Teplovoznyye dvigateli vnutrennego sgoraniya i gazovyye turbiny. Izd. 2, perer. [By] N.M. Glagolev i dr. Moskva, Transport, 1965, 400 p.

## DIESEL LOCOMOTIVES—COOLING

Intensification of the performance of diesel locomotive coolers by means of wetting the cooled surface with water. Sh.G. Dzhandzhigava, L.L. Gvannadze, G.I. Gugunishvili. Trudy GPI [Gruz.] no. 7:30-45 '63

## DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Electric circuit of the 2T10L diesel locomotive. G.A. Pupylin. Elek. i topl. taga 9 no. 4:18-22 Ap '65

New circuit for the starting of the T13 diesel locomotive engine. I.S. Fainshmidt. Elek. i topl. taga 9 no. 4 18 Ap '65

New design of a reversing switch for electric rolling stock and diesel locomotives. E.B. Kheifits and others. Elektrotehnika 35 no. 11:11-12 N '64

## DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

"Ground" in the power circuit. I.U. G. Kosov. Elek. i topl. taga 9 no. 4:20 Ap '65

Reconditioning of cylinder jackets for the M755 diesel engines. A.G. Beilnev. Mashinostroenie no. 2:102 Mr Ap '65

## DIESEL LOCOMOTIVES—PERFORMANCE

Performance of the 2D100 diesel locomotive engine at a reduced number of revolutions under the conditions of idle running. A. P. Chukin and others. *Elek i topl. tsiaga* 9 no. 1-9-11 Ap '65.

## DIET

Effect of atherogenic diet on the activity of certain enzymes in the blood and liver of rats. S. G. Aplekar', A. A. Il'ich. *Vop. pit.* 23 no. 6:49-55 N-D '64.

Pokrovskii, A. A. [Talks about nutrition] *Besedy o pitanii*. Moskva, Ekonomika, 1964, 286 p.  
Sr 90 metabolism in the organism of rats kept on calcium-rich diet. L. A. Baidakov, R. A. Erokhin. *Med. rad* 10 no. 3:66-72 Mr '65.

## DIET IN DISEASE

Effect of diapectin in combination with a therapeutic diet on the course of peptic ulcer. V. A. Oleneva. *Vop. pit.* 23 no. 6:3-84 N-D '64.

## DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

## DIFFERENTIAL EQUATIONS

Algebraic extendability of the solution to one nonlinear operator equation in a Banach space. S. Mamashvili. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1:28-33 '65.

Approximate replacement of systems with a time lag by ordinary dynamic systems. I. U. M. Repin. *Prikl. mat. i mekh.* 29 no. 2:228-235 Mr-Apr '65.

Asymptotic behavior of the solutions to a class of second-order differential equations vanishing at infinity. A. D. Nysheksis, G. V. Shcherbina. *Ukr. mat. zhur.* 17 no. 3: 74-83 '65.

Basics of a method of combined derivatives. I. G. Belfin, B. N. Penolati. *Avtom. i telemekh.* 26 no. 3:548-550 Mr '65.

Fundamental solutions to systems invariant with respect to rotations. G. N. Gostin. *Ukr. mat. zhur.* 17 no. 3: 32-42 '65.

The Hornack inequality for the solution of elliptic equations. A. A. Novruzov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 1:3-6 '65.

Integral representation of Hermitian-indefinite nuclei. V. I. Gorbachuk. *Ukr. mat. zhur.* 17 no. 3:43-58 '65.

Integration of equations of errors of a system of inertial navigation for Kepler motions of the object. V. D. Andreev. *Prikl. mat. i mekh.* 29 no. 2:249-260 Mr-Apr '65.

Klein, M. G. [Lectures on the theory of stability of the solution of differential equations in a Banach space] *Lektsii po teorii ustoychivosti reshenii differentsial'nykh uravnenii v banakhovom prostranstve (predak-tirovaniye i dopolneniye)* I. U. L. Doletskiy. Kiev, Akad. nauk USSR, in-t matematiki, 1964, 180 p.

Ponclagin, L. S. [Ordinary differential equations] *Obykhovennyye differentsial'nyye uravneniya*, Izd. 2, perer. Moskva, Nauka, 1965, 331 p.

Relation between local and global properties of solutions to hyperbolic equations with constant coefficients. V. V. Gushkin. *Mat. sbor.* 66 no. 4:525-550 Ap '65.

Solution of a diffusion alternative equation by means of total derivative equations. I. U. V. Ponomarev, R. L. Shatunovich. *Avtom. i telemekh.* 26 no. 3:443-453 Mr '65.

Stability of linear approximations of solutions to differential equations with discontinuous right-hand sides. V. A. Turin. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1:34-37 '65.

Stability of solutions to a system of differential equations with discontinuous right-hand sides. V. A. Turin. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 2:90-92 '65.  
A stochastic problem in regulation theory. A. B. Goratko. *Optim. plan.* no. 2:100-74 '64.

Sufficient conditions for the existence of periodic solutions to a system of two differential equations with discontinuous right-hand sides. A. P. Borisov. *Vest. Mosk. un. Ser. I: Mat., mekh.* 20 no. 2:22-34 Mr-Apr '65.

System of equations for a plasma flow with allowance for the reactions of methane decomposition in it. L. S. Polak, T. A. Mukhtarov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 6:93-101 '64.

Theory of electron-hole transitions. L. V. Postnikov, T. M. Tarantovich. *Izv. vuz. ucheb. zav. i radiofiz.* 8 no. 2:392-399 '65.

Topology of Stokes lines in equations of the second order. M. V. Fedoruk. *Izv. AN SSSR, Ser. mat.* 29 no. 3:845-856 '65.

Use of the parameter variation method in calculating an adjoint matrix and its determinant. D. F. Davidenko. *Ukr. mat. zhur.* 17 no. 3:59-66 '65.

## DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

Existence and uniqueness in the large of the solution to the Hamilton-Jacobi equation. B. L. Dubrov. *Vest. Mosk. un. Ser. I: Mat., mekh.* 20 no. 2:3-8 Mr-Apr '65.

General boundary value problems for elliptic equations in a region whose boundary consists of manifolds of different dimensionality. B. I. U. Sternin. *Vest. Mosk. un. Ser. I: Mat., mekh.* 20 no. 2:16-21 Mr-Apr '65.

General boundary value problems for parabolic equations with discontinuous coefficients. A. G. Gulyamsarian. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 1:14-33 '65.

Nonlinear problem of the stability of an anisotropic cylindrical shell. G. F. Bagdasarian, V. TS. Gnum. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 2:32-38 '65.

Use of Chaplygin's method in solving the Dirichlet problem for a class of quasi-linear elliptic equations. G. V. Gendzhalian. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 1:3-13 '65.

Use of stochastic equations in studying the second boundary value problem for small-parameter parabolic differential equations. I. A. Kogan. *Teor. veroiat. i ee prim.* 10 no. 2:301-309 '65.

## DIFFERENTIAL EQUATIONS, PARTIAL—BOUNDARY VALUE PROBLEMS

Solution of a game of pursuit for survival and its reduction to the Cauchy problem for a partial differential equation of the first order. L. A. Penosian. *Dokl. AN Arm. SSR* 10 no. 4:103-106 '65.

## DIFFRACTION

Mathematical proof of some diffraction radiation formulae. B. V. Khachatryan. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 2:133-139 '65.

## DIFFRACTION GRATINGS

Calculation of the aberration of concave diffraction gratings. Part 2: Calculation of aberrations and estimation of the resolving power of the grating. I. V. Peisakhon, I. N. Tarnanin. *Zhur. prikl. spekt.* 2 no. 3:218-222 Mr '65.

## DIFFUSERS

Continuous KDA-25-59 tower type diffuser. E. T. Kovalev, V. G. Iarmiko, V. I. Vailov. *Sakh. prom.* 38 no. 4: 18-21 Ap '65.  
Performance of continuous diffusers in the sugar factories of the R. S. F. S. R. V. A. Solov'nikov, Sakh. prom. 39 no. 5:20-25 My '65.

## DIFFUSION

Diffusion of solvents in polyisobutylene. A. E. Chalykh, R. M. Vasenin. *Vysokom. soed.* 7 no. 4:586-592 Ap '65.

Diffusive redistribution of aluminum during the graphitizing annealing of cast iron. V. G. Perminov, S. A. Daneeva. *Lit. proizv.* no. 2:36-37 F '65.

Electron microscope study of mutual diffusion in polymer systems. A. N. Kamenskii, N. M. Fodman, S. S. Voitskii. *Vysokom. soed.* 7 no. 4:696-700 Ap '65.

Interference micromethod for the study of diffusion in the system polymer-solvent. A. E. Chalykh, R. M. Vasenin. *Nauch. trudy MTILP* no. 30:200-208 '64.

Investigating magnesium diffusion in aluminum by the method of evaporation in vacuum. S. Z. Bokstein and others. *Metalloved. i term. obr. met.* no. 4:36-38 Ap '65.

Moving boundary problem in diffusion in the polymer-solvent systems. R. M. Vasenin, A. E. Chalykh, V. I. Korobko. *Vysokom. soed.* 7 no. 4:693-700 Ap '65.

Optical methods for the study of diffusion. A. E. Chalykh, R. M. Vasenin. *Nauch. trudy MTILP* no. 30:192-198 '64.

Study of diffusion in semiconductors: all-Union conference. G. S. Kulikov. *Vest. AN SSSR* 35 no. 4:87-88 Ap '65.

## DIFFUSION COATINGS

Aluminum boride coatings on steel. G. V. Zemskov, N. G. Kaidash. *Metalloved. i term. obr. met.* no. 4:51-53 Ap '65.

## DIGESTION

Intervolution between digestion and the metabolism of endogenous proteins in swine. A. M. Starovoirov. *Vest. sel'khoz. nauki* 8 no. 8:86-90 Ag '63.

## DIGESTIVE ENZYMES

Effect of radiotherapy on the content of intestinal enzymes (enterokinase and alkaline phosphatase) in the duodenal juice and excrements. I. T. Abasov. *Med. rad.* 10 no. 2:8-11 F '65.

## DIGITAL INFORMATION TRANSMISSION

Some problems of interference rejection in the transmission of digital information in presence of group errors. I. N. Mel'nikov, G. B. O'lerogge. *Elektros-viaz'* 19 no. 5:50-56 My '65.

## DIKES (GEOLOGY)—ANALYSIS

Petrochemical characteristics of dike formations in granite-syenite intrusions of the Megri-Ordubad batholith. R. Sh. Azhbekov. *Izv. AN Azerb. SSR, Ser. geol.-geog.* 1:35-39 '64.

## DIKOV, SERGEI NIKOLAEVICH

Forward to a feat, Vladimir Kazakov. *Grazhd. sv.* 19 no. 6:20-21 Je '62.

## DILATOMETRY

Dilatometric study of the system of solid solutions of  $\text{Bi}_2\text{O}_3\text{-La}_2\text{O}_3\text{(FeO, 98MnO, 92)O}_3$ . V. V. Zhidanova. *Izv. AN SSSR, Ser. fiz.* 29 no. 6:1030-1041 Je '65.

## DIMENSIONAL ANALYSIS

Analyzing increase in width formulas and methods of the experimental investigation of transverse deformation in rolling. V. S. Smirnov, A. K. Grigor'ev, V. A. Luney. *Trudy LPI* no. 243:69-78 '65.

Applying the dimensional theory to determine the degree of elongation in die rolling with fins. V. S. Smirnov, V. Kiritshe. *Trudy LPI* no. 243:66-105 '65.

## DIMETHYLAMINE

Catalytic methylation of cyclohexanone with dimethylamine. R. D. Erlikh, S. V. Dobrovolskii, A. I. Koroletov. *Zhur. VHKO* 10 no. 2:233-234 '65.

Induction of liver, kidney and lung tumors in rats with N-nitrosodimethylamine. I. N. Shvemberger. *Vop. onk.* 11 no. 1:34-39 '65.

## DIMITROV, GEORGI, 1882-1949

G. M. Dimitrov's reports to the Seventh Congress of the Communist International. *Vop. ist. KPSS* 9 no. 7:83-88 Jl '65.

## DINOSAURIA

Brain of carnivorous dinosaurs. E. A. Maluev. *Paleont. zhur.* no. 2:141-143 '65.

## DIOCID

Evaluation of the bactericidal and bacteriostatic properties of diocid. I. V. Seppel, M. E. Lipkin, I. M. Evstratov. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:75-78 Mr '65.

## DIODES

Impedance of a diode with traps. T. IU. Musabekov, V. B. Sandomirskii. *Fiz. tver. tela* 7 no. 6:1687-1688 Je '65.

## DIODES, SEMICONDUCTOR

Effect of trapping levels on the volt-ampere characteristics of a semiconductor diode. A. IU. Leiferman. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 2:29-39 '65.

Frequency-phase and transfer characteristics of an inductive semiconductor diode. N. A. Brynskikh. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1:41-47 '65.

Thin-film cadmium sulfide diodes. L. S. Gasanov and others. *Vych. slat.* no. 15:123-132 '65.

## DIOXANE

Synthesis and stereoisomerism of 2-methyl-5-isopropyl-5- $\alpha$ -isopropoxyethyl-1, 3-dioxane. N. L. Garkovik, A. V. Bogatskii, S. A. Andronati. *Zhur. VHKO* 10 no. 2: 231 '65.

## DIOXOLANE

Reaction of 2-methyl-1, 3-dioxolane with hydrogen sulfide. M. T. Shostakovskii and others. *Izv. AN SSSR, Ser. khim.* no. 6:1072-1074 '65.

## DIPHENYLAMINE—SPECTRA

Theory of the origin of the absorption spectra of 2, 4-dinitroaniline and 2, 4-dinitrodiphenylamine. Experimental confirmation of the presence of quaternary chromophore systems. E. E. Millaresi, V. A. Izmail'skii. *Zhur. ob. khim.* 35 no. 5:778-785 My '65.

## DIPHThERIA

Effectiveness of tetanus component in sorbed diphtheria and tetanus antitoxin. N. S. Kashintseva, I. K. Dzhanrova, E. A. Gulgut. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:10-13 Ja '65.

Problem of the etiology of membranous conjunctivitis. TS. S. Rozina, G. I. Volchanetskaya, IU. N. Vishniakova. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:223-227 '64.  
Results of the use of dry quinosol medium for the bacteriological diagnosis of diphtheria. Z. N. Sinisgorskaya. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:134 Mr '65.

## DIPHThERIA ANTITOXIN

Determining on a tissue culture the content of diphtheria antitoxin in  $\gamma$ -globulins and immune sera. M. I. Vasenovich. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:92-97 Mr '65.

Results of in vitro determination of diphtheria antitoxin in the blood of man and experimental animals. L. A. Il'inskaya. *Zhur. mikrobiol., epid. i immun.* 42 no. 3: 39-43 Mr '65.

## DIPLOMACY

The struggle between ideas and diplomacy. V. Israellian. *Mezhdunar. zhizn'* 12 no. 7:82-92 Jl '65.

## DIPLOMATIC DOCUMENTS

Diplomatic documentation. K. Anatol'ev. *Mezhdunar. zhizn'* 12 no. 7:150-152 Jl '65.

## DIPOLE MOMENTS

Formation of magnetic field induced by an horizontal electric dipole immersed in a homogeneous conducting half-space. K. P. Koroleva, O. A. Skugarevskaya. *Izv. AN SSSR, Fiz. zem.* no. 3:28-40 '65.

Nuclear resonance absorption of ultrasound in crystals containing paramagnetic impurities. Sh. F. Murtazin. *Fiz. tver. tela* 7 no. 6:1690-1695 Je '65.

## DIRICHLET'S SERIES see Series, Dirichlet's

DISABLED VETERANS see Veterans, Disabled

#### DISARMAMENT—CONGRESSES

Battles around the atomic bomb. Commentator. Mezhdunar. zhizn' 12 no. 6:76-79 Je '65

Disarmament should be discussed at a world forum. Commentator. Mezhdunar. zhizn' 12 no. 7:69-73 Ji '65.

#### DISCINDAE

Distribution of a deep-sea species of Brachipoda, Polagodiscus atlanticus (King). O. N. Zvezina. Okeanologiya 5 no. 2:354-355 '65.

#### DISINFECTION AND DISINFECTANTS—EQUIPMENT AND SUPPLIES

Improving the system of heating disinfecting solutions in the Komarov automatic disinfection machine. S. T. Tarakanov. Veterinarika 41 no. 4:100-101 Ap '65.

#### DISLOCATIONS IN CRYSTALS

Effect of the coalescence of dislocation loops on internal friction in tempered metals. Z. K. Saralidze. Fiz. tver. tela 7 no. 5:1832-1835 Je '65.

Relation between dislocation density and stresses in deformed LiF crystals. B. I. Smirnov, I. I. Fatirkeev. Fiz. tver. tela 7 no. 6:1649-1652 Je '65.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

#### DISORDERLY CONDUCT

Let us study more deeply the causes and circumstances which induce the commission of acts of hooliganism by juveniles. K. Prikhod'ko. Sov. iust. 29 no. 11:16 Je '65.

DISORDERS OF MEMORY see Memory, Disorders of

DISORDERS OF SPEECH see Speech, Disorders of

#### DISPLAY OF MERCHANDISE

Display of merchandise in a store. I. Gol'tseker, G. Terekhov, I. U. Khachaturov. Sov. poireb. koop. 9 no. 5:43-50 My '65

#### DISSERTATIONS, ACADEMIC

L'viv, Universitet. [Collected works of the post-graduate students of the philological and historical faculties] Zbirnyk robot aspirantiv filologicheskoi ta istoricheskoi fakul'tetiv. [L'viv] Vyd.-vo L'viv's'koho univ., 1963, 120 p. tables. (CaOTU)

#### DISSOCIATION

Certain remarks concerning the applicability of B'errum and Schwabach's methods for calculating the constants of dissociation of acids. N. M. Diatlova, I. U. F. Belugin. Trudy IREA no. 25:374-384 '63.

Constants of acidic dissociation of rare-earth gluconates. N. A. Kostromina. Zhur. neorg. khim. 10 no. 6:1369-1373 Je '65.

Dissociation thermochemistry of nitrilo tri acetic acid in an aqueous solution. P. M. Milukov, N. V. Polenova. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 8 no. 1:42-46 '65.

Phase transitions during the dissociation of  $\beta$  and  $\gamma$ -form of uranium trioxide. A. R. Beketov, V. G. Vlasov, V. N. Strekalovskii. Zhur. neorg. khim. 10 no. 4:737-740 Ap '65.

Production of fast H atoms in excited states by proton charge exchange and the dissociation of  $H_2^+$  and  $H_3^+$  ions in helium and neon. S. V. Bobashev, V. A. Ankudinov, E. P. Andreev. Zhur. eksp. i teor. fiz. 48 no. 3: 833-836 Mr '65.

#### DISTILLATION

Experience in the thermal processing of alcohol in the Michurinsk and Lipetsk distilleries. N. S. Ternovskii, V. P. Griaznov. Ferm. i spir. prom. 31 no. 2:36-38 '65.

Investigating the distillation of wood tar and its products. A. N. Bagaev, I. U. V. Vodinskii, A. M. Pyrlakova. Gidroliz. i lesokhim. prom. 18 no. 4:9-11 '65.

Processing of eorn in distilleries. A. G. Zbrodskii, I. A. K. Orlovskii. Ferm. i spir. prom. 31 no. 2:41-42 '65.

Rectification column as an object of automatic control. I. U. N. Mikhailov. Trudy MINKHIMP no. 52:28-23 '64

#### DISTILLATION, FRACTIONAL

Continuous distillation of ammonium sulfide. V. I. Oratovskii, F. A. Gelshin, A. M. Gamolskii. Trudy IREA no. 25:457-460 '63

Rectification kinetics of concentrated solutions of binary mixtures. I. U. E. Eliev. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 8 no. 1:138-141 '65.

Single-column circuit for continuous vacuum rectification of crude furfural. I. U. A. Tshilin, A. A. Iasinskaya, E. K. Ivanova. Gidroliz. i lesokhim. prom. 18 no. 4: 4-7 '65.

DISTILLED WATER see Water, Distilled

#### DISTILLERIES—CURRENT SUPPLY

Technical and economic comparison of the basic variants of the heat and electric power supply of distilleries. A. P. Komarov. Ferm. i spir. prom. 31 no. 2:25-28 '65.

#### DISTILLING INDUSTRIES

Alcohol, fermentation, liqueur-vodka, beer, soft drinks, and acetone-butyl industries during 1965. Ferm. i spir. prom. 31 no. 2:1-3 '65.

All-Union Scientific and Technical Conference of the Representatives of the Alcohol, Liqueur-Vodka, Fermentation and Acetone-Butyl Industry. I. A. D. Taershtern. Ferm. i spir. prom. 31 no. 2:45-46 '65.

#### DISTILLING INDUSTRIES—BY-PRODUCTS

Fermentation of the secondary molasses stillage by methane forming bacteria for the production of vitamin B<sub>12</sub>. G. A. Nikitin. Ferm. i spir. prom. 31 no. 2:32-34 '65.

#### DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES

Assembling underground polyethylene pipelines. V. A. Podtseyul. Mont. i spets. ran. v. stroit. 25 no. 7:9-10 Ji '63.

#### DISTILLING INDUSTRIES—FINANCE

Potentials of the efficient utilization of capital assets. P. V. Rudnitskii. Ferm. i spir. prom. 31 no. 2:18-25 '65.

DISTILLING INDUSTRIES—MANAGEMENT see Subdivision under Ukraine

#### DISTILLING INDUSTRIES—PRODUCTION STANDARDS

Norms for the expenditure of chemicals and auxiliary materials in the production of alcohol from molasses. N. A. Volokhova, Z. A. Raev. Ferm. i spir. prom. 31 no. 2:29-31 '65.

#### DISTRIBUTION (PROBABILITY THEORY)

Analysis of experimental data satisfying type  $x^{m,d}$  distributions. N. N. Roinshteyn, K. V. Mandritskaya. IAD, fiz. 1 no. 6:1028-1031 Je '65.

Evaluating the results of sampling inspection control exercised according to plans D<sub>1</sub>(p; a). I. Mamov. Teor. veroiat. i mat. stat. no. 1:26-17 '64.

Homogeneous local theorem for densities. N. Shakhmardova. Teor. veroiat. i mat. stat. no. 1:117-125 '64.

Limit distributions for inhomogeneous Markov chains. D. V. Manevich. Teor. veroiat. i mat. stat. no. 1:108-116 '64

Multitest statistical sampling inspection control. T. Abdurakhmanov. Teor. veroiat. i mat. stat. no. 1: 5-12 '64

Multitest statistical sampling inspection control for  $N \rightarrow \infty$ . S. Kh. Sirazhdinov, T. Abdurakhmanov. Teor. veroiat. i mat. stat. no. 1:13-25 '64.

Unbiased estimates for certain classes of distribution. R. Kh. Diveev. Teor. veroiat. i mat. stat. no. 1:65-76 '64.

#### DIYA-YI-FARSI, IL 1264

About Diya-Yi-Farsi's divan. K. A. Shidfar. Nar. Az. i Afr. no. 3:113-117 '65.

#### DNEPROPOTROVSK—SLAUGHTERING AND SLAUGHTERHOUSES

Mechanized slaughter house. G. Dvornik. Sov. potreb. koop. 9 no. 5:27-28 My '65.

#### DNEPROPOTROVSK—COURTS

How does the People's Court for the Lenin District of Dnepropetrovsk organize its work. A. Roshkov. Sots. zakon. 42 no. 2:57-58 I '65.

#### DNEPROPOTROVSK—INDUSTRIAL MANAGEMENT

Ten directors in fifteen years. I. Antonenko. Part. zhizn' no. 12:26-27 Je '65.

#### DNEPROPOTROVSK—INFLUENZA

Lethality from influenza during the 1957 and 1959 epidemic in Dnepropetrovsk. T. B. Gorgiev, V. G. Krasnova, I. M. Iartseva. Sbor. nauch. trud. Inst. infek. bol. no. 4:26-30 '64.

#### DNEPROPOTROVSK—KILNS

Automating drying chambers at the "Stroitel'" Plant in Dnepropetrovsk. A. I. Leenson, N. S. Baranuk. Stroit. mat. 11 no. 4:15-16 Ap '65.

#### DNEPROPOTROVSK—RAILROADS—TECHNOLOGICAL INNOVATIONS

Public Institute of Scientific Work Organization. K. V. Kutaeu. Zhel. dor. transp. 47 no. 6:87-88 Je '65.

#### DNEPROPOTROVSK—REINFORCED CONCRETE CONSTRUCTION

Ten directors in fifteen years. I. Antonenko. Part. zhizn' no. 12:26-27 Je '65.

#### DNEPROPOTROVSK—SOCIAL SCIENCES—SOCIETIES, ETC.

Dnepropetrovsk. Universitet. [Theses of the reports presented at the conference of professors and teachers of the Dnepropetrovsk State University: social and economic sciences] Tezisy dokladov k nauchno-issledovatel'skoi konferentsii professorskogo-prepodavatel'skogo sostava Dnepropetrovskogo gosudarstvennogo universiteta. Sotsial'no-ekonomicheskie nauki. Dnepropetrovsk, 1964, 103 p. (CS-H)

#### DNEPER-DONETS LOWLAND—CLAY

Epigenetic Alterations in the clay matter of terrigenous Carboniferous sediments in the Dnieper-Donets Lowland. G. V. Karpova, E. P. Sheviakova. Lit. i pol. iskop. no. 2:70-84 Mr-Ap '65.

#### DNEPER-DONETS LOWLAND—GAS, NATURAL—GEOLOGY

Correlation of the structural plans of the Mesozoic and Paleozoic in the northwestern sector of the Dnieper-Donets Lowland. A. K. Tsytko. Neft. i gaz. prom. no. 2:13-15 Ap-Je '65.

#### DNEPER-DONETS LOWLAND—GEOLOGY, STRUCTURAL

Relation between the layer velocities and the tectonics of two anticline structures in the Dnieper-Donets Lowland. V. G. Guterman. Geofiz. sbor. no. 8:63-68 '64.

#### DNEPER-DONETS LOWLAND—PETROLEUM GEOLOGY

Correlation of the structural plans of the Mesozoic and Paleozoic in the northwestern sector of the Dnieper-Donets Lowland. A. K. Tsytko. Neft. i gaz. prom. no. 2:13-15 Ap-Je '65.

#### DNEPER-DONETS LOWLAND—PETROLOGY

Epigenetic alterations in the clay matter of terrigenous Carboniferous sediments in the Dnieper-Donets Lowland. G. V. Karpova, E. P. Sheviakova. Lit. i pol. iskop. no. 2:70-84 Mr-Ap '65.

#### DNEPER-DONETS LOWLAND—PROSPECTING

Trends and methods of prospecting for oil and other minerals in the southern margin of the Dnieper-Donets Lowland. V. K. Havrish, N. F. Balukhava'kyl. Geol. zhur. 25 no. 2:3-11 '65

#### DNEPER-DONETS LOWLAND—SEISMIC PROSPECTING

Relation between the layer velocities and the tectonics of two anticline structures in the Dnieper-Donets Lowland. V. G. Guterman. Geofiz. sbor. no. 8:63-68 '64.

#### DNEPER ECONOMIC REGION—GAS, NATURAL—STORAGE

Possibility of the underground storage of gas in the Dnieper and Black Sea economic regions. N. P. Petrichenko, E. Kh. Neparidze. Gaz. prom. 10 no. 5:41-43 '65.

#### DNEPER RESERVOIR—DREISSENIDAE

Biology of Dreissena polymorpha of the Dnieper Reservoir. A. K. Dyga. Gidrobiol. zhur. 1 no. 2:68-69 '65.

#### DNEPER RIVER—FISHES—DISEASES AND PESTS

Use of compressors for controlling fish death in rivers. A. B. Kistakovskii. Gidrobiol. zhur. 1 no. 3:53-54 '65.

#### DNEPER RIVER—INVERTEBRATES

Invertebrate communities in the undergrowth of higher aquatic plants of the middle course of the Dnieper River. L. N. Zimbalevskaya. Gidrobiol. zhur. 1 no. 3:39-48 '65.

#### DNEPER VALLEY—ELASTIC WAVES

Velocity of elastic waves in some crystalline rocks in the Ukrainian Crystalline Shield based on laboratory investigations. A. I. A. D'achkova, M. N. Kudravytseva. Geofiz. sbor. no. 8:64-74 '64.

#### DNEPER VALLEY—GEOLOGY, STRUCTURAL

Nature of the boundaries and thickness of rocks in the Ovruch series according to geophysical and geological data. I. U. Gerasimov. Geofiz. sbor. no. 8:101-109 '64.

#### DNEPER VALLEY—ROCKS, CRYSTALLINE AND METAMORPHIC

Characteristics of the physical properties of crystalline rocks in the northwestern part of the Ukrainian Shield. V. M. Belanov, V. F. Indutnyi. Geofiz. sbor. no. 9:30-38 '64.

#### DNEPER VALLEY—ROCKS, CRYSTALLINE AND METAMORPHIC—ELASTIC PROPERTIES

Velocity of elastic waves in some crystalline rocks in the Ukrainian Crystalline Shield based on laboratory investigations. A. I. A. D'achkova, M. N. Kudravytseva. Geofiz. sbor. no. 8:64-74 '64.

#### DNEPER VALLEY—ROCKS, IGNEOUS—DENSITY

Some data on the density of igneous rocks in the southwestern part of the Ukrainian Crystalline Shield. V. I. Shapoval, E. I. Antonuk. Geofiz. sbor. no. 9:39-43 '64.

#### DNEPER VALLEY—URANIUM ORES

Distribution of the abundance ratios of uranium in the boundaries of the Ukrainian Crystalline Shield. I. U. G. Gerasimov, A. B. Tuktarova, V. D. Maidanuk. Geofiz. sbor. no. 9:91-98 '64.

#### DNESTER RIVER—FLOOD FORECASTING

Method of forecasting the maximum water level of rain floods of the Dniester at Kamenska. N. A. Kravchenko. Meteor. i gidrol. no. 7:51-52 Ji '65.

## DNIESTER RIVER—TURBULENCE

Some regularities of the large-scale stream turbulence, D.I. Grinval'd, Izv. AN SSSR, Ser. geog. no. 3:88-94 My-Je '65.

## DOBELE (LATVIA)—GUIDEBOOKS

Ziemeļs, V. Dobele, Rīga, Latvīskos gos. izd-vo, 1950, 142 p.

## DOCKS—EQUIPMENT AND SUPPLIES

Appliances for docking vessels, positioning them and letting them out of the dock A.P. Grachev, V.F. Semenuk, Sudostroenie 30 no. 12:56-59 D '64  
Ridge shores in dry and floating docks A.P. Grachev, V.F. Semenuk, Sudostroenie 30 no. 12:52-56 D '64

## DODDER

Paspalum digitaria and dodder in cotton fields, I.A. Abasov, Zashch. rast. ot vred. i bol. 10 no. 5:34 '65.

## DOGBANE

Glycosides from Apocynum androsaemifolium L. Part 2: Structure of apophytide, R.Sh. Armatova, N.K. Abubakirov, Khim. prirod. soed. no. 1:15-22 '65

## DOGS—DISEASES AND PESTS

Examination of dogs for toxoplasmosis, I.D. Netrebko and others, Veterinaria 42 no. 5:71-72 My '65.

## DOGS—PARASITES see Parasites—Dogs

## DOGS—TRAINING

Fedorov, A.L. and N.V. Egorov, [Raising working dogs; a manual] Sluzhebnoe sobakovodstvo; rukovodstvo, Tashkent, Gos. izd-vo UzSSR, 1964, 173 p. (CtY)

## DOKIN, ALEKSEI GAVRILOVICH

Private of a Garibaldi brigade An Shchelakov, Sov. voen. 47 no. 7:4-6 Ap '65

## DOLINA OIL FIELD—AUTOMATIC CONTROL

Automated free piston, M.K. Voronetski and others, Mash. i nef. obr., no. 5:24-26 '65.

## DOLINA OIL FIELD—PETROLEUM GEOLOGY

Effect of pressure and geological age on the porosity of reservoir rocks, T.V. Sirotnina, Neft. i gaz. prom., no. 2:7-10 Ap-Je '65.

## DOLINA OIL FIELD—PETROLEUM PRODUCTION

Efficiency in the development of the Vygodna oil pool in the Dolina oil field with maintenance of reservoir pressure, I.A. Filipets, R.V. Mishevich, Neft. i gaz. prom., no. 2:45-47 Ap-Je '65.

## DOLINA OIL FIELD—PISTONS

Automated free piston, M.K. Voronetski and others, Mash. i nef. obr., no. 5:24-26 '65.

## DOLLAR see subdivision under United States

## DOLOMITE

(see also subdivision under Krasnodarsk region, Stavropol'sk Province; Ukraine)

Absorption of heavy metal ions by dolomite. Part 1, M.A. Saikhan, S.S. Apilan, Izv. AN Arm.-SSR, Khim. nauki 17 no. 4:393-397 '64

Autoclaved agglomerate concrete with dolomite binding materials, E.D. Pevzner, E.S. Kuchin, Izv. vys. ucheb. zav., st. o. i. akht. 8 no. 2:68-76 '65

## DOLPHINS

Dolphin body as an airfoil, I.U. G. Aleev, Zool. zhur., 44 no. 4:628-630 '65.

## DOLUKHANOVA, ZARA

Dolukhanova sings, N. Shumakala, Sov. muz., 20 no. 3:92-93 Mr '65.

## DOMAIN STRUCTURE

Macroscopic domains in high-coercivity alloys with a single domain magnetic structure, M.G. Lushinskaya, I.A. S. Shur, Zhur. eksp. i teor. fiz., 48 no. 3:814-817 Mr '65.

Observation of the domain structure in low-temperature ferroelectrics using the frosted dew method, V.A. Koptalk, S.D. Toshev, Izv. AN SSSR, Ser. fiz., 29 no. 6:956-961 Je '65.

Phase transitions in a ferroelectric crystal in the presence of domain boundaries, V.Kh. Kozlovskii, Izv. AN SSSR, Ser. fiz., 29 no. 6:882-888 Je '65.

Use of the polarization-optical method in observing the domain structure in potassium dihydrophosphate crystals, N.N. Fomichev, Izv. AN SSSR, Ser. fiz., 29 no. 6:882-884 Je '65.

## DOMBROVSKII, ALEKSANDR IOSEFOVICH, 1890-

Aleksandr Iosifovich Dombrovskii; on his 75th birthday, A.V. Rozenberg, A.F. Tshurko, Med. rad. 10 no. 6:94-95 Je '65.

## DOMESTIC EDUCATION

Our visitors: "For the dynamic tempo," I. Frolov, S. Antonov, Sem'ia i shkola 20 no. 4:8-9 Ap '65.  
Pages of life, I. Blinikov, Sem'ia i shkola 20 no. 4:12-15 Ap '65.

## DOMESTIC RELATIONS

It is not difficult to become a priest! V. Katskovskaya, Doshk. vosp. 38 no. 3:72-75 Mr '65.  
Vorozheikin, E.M. [Marriage and family] Brak i sem'ia, Moskva, Izd-vo "Znanie," 1965, 78 p. (Narodnyi universitet. Fakul'tet pravovykh znaniy, no. 5)

## DOMINICAN REPUBLIC—MILITARY ASSISTANCE, AMERICAN

Current events, Nov. vrem., 23 no. 26:10-11 Je '65.

Current events, Nov. vrem., 23 no. 27:12-13 Ji '65.

Doctrine of international piracy, L. Kamynin, Mezhdunar. zhizn' 12 no. 6:21-23 Je '65.

Interventionists doited the 1's, L. I. Kamynin, Mezhdunar. zhizn' 12 no. 7:13-14 Ji '65.

Johnson's thesis is to legalize armed interventions, S.S. Mikhailov, Mezhdunar. zhizn' 12 no. 7:11-13 Ji '65.

The repercussion of Santo Domingo, L. Vital'ev, Mezhdunar. zhizn' 12 no. 7:112-113 Ji '65.

## DOMINICAN REPUBLIC—POLITICS AND GOVERNMENT

Dominican Republic, N. Egorova, Mezhdunar. zhizn' 12 no. 7:149-150 Ji '65.

Santo Domingo will not surrender, V. Lisov, Nov. vrem., 23 no. 25:22-23 Je '65.

## DONETS BASIN—COAL MINERS

Housewives of our settlement, N. Sviridova, Sov. shakht. 14 no. 3:30 Mr '65

## DONETS BASIN—COAL MINING MACHINERY

In the Donets Council of National Economy, M. I. Barmut, Ugol' 40 no. 5:40-43 My '65.

## DONETS BASIN—COAL MINING MACHINERY—DESIGN AND CONSTRUCTION

In the Donets Scientific Research Coal Institute, E. T. Prolovkin, Ugol' 40 no. 5:33-36 My '65.

## DONETS BASIN—CORN (MAIZE)—FERTILIZERS AND MANURES

Placement of fertilizers for corn before sowing, M. I. Efimtsov, Zemledelie 27 no. 5:76-77 My '65.

## DONETS BASIN—LANDFORMS

Elements of the structural relief of the eastern part of the western Donets Basin, M. M. Karlov, Geol. zhur. 25 no. 2:89-91 '65

## DONETS BASIN—NORTHERN DONETS CANAL see Northern Donets-Donets Basin Canal

## DONETS VALLEY—SLAVIC ANTIQUITIES

New materials of the Chervyakhov Culture in the Northern Donets and the Peol Basins, B. P. Zaitsev, Mat. i issl. po arkheol. SSSR no. 116:41-52 '6.

## DONETSK—MUSIC, AZERBAIJANI

Letters from cities: Donetsk, Kislovodsk, I. Belen'kaya, R. Glezer, Sov. muz., 29 no. 3:97-98 Mi '65.

## DONETSK (ROSTOV PROVINCE)—MALARIA

Diagnosis of quinine malaria, K.K. Vostokova, M. I. Andreeva, Med. paraz. i paraz. bol. 33 no. 6:724-726 N-D '64.

## DONETSK PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Graphic method for technical maintenance, N. Miroshnichenko, Tekh. v sel'khoz. 26 no. 5:60-62 My '65.

## DONETSK PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Results of testing biuret as a herbicide in Donetsk Province, N.I. Litvinov, Khim. v sel'khoz. 3 no. 4:48-53 Ap '65.

## DONETSK PROVINCE—STATE FARMS—OFFICIALS AND EMPLOYEES

Offense, G. Shcheglov, Sov. profsoyuz. 21 no. 12:6-7 Je '65.

## DONETSK PROVINCE—TELEVISION IN LEGAL EDUCATION

A television series "Man and law," G. Emstev, N. Tol'stol, Sots. zakon, 42 no. 2:52-53 F '65.

## DORMANCY IN PLANTS

Comparative characteristics of the duration of the period of dormancy in seedlings of stone fruit species, T. V. Morozova, Sbor. nauch. rab. NIi sad. no. 10:117-122 '64.

Dormancy period in the rhizomes of peppermint, E. I. Korneva, Fiziol. rast. 12 no. 2:320-324 Mr-Ap '65.

Period of dormancy and change in the content of physiologically active substances in peach seedlings, M. K. Chalikhan and others, Dokl. AN Arm.-SSR 40 no. 4:243-247 '65.

## DOSIMETRIC MEDICINE see Medicine, Dosimetric

## DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881

Grossman, L.P. Dostoevskii, [Izd. 2., ispr. i dop.] [Moskva] Molodai gvardia, 1965, 604 p. (Zhizn' zamchatel'nykh liudei, Seria biografii, no. 4(357))

Problems of Dostoevskii today, M. Kapustin, Vop. lit. 9 no. 3:126-143 Mi '65.

## DOUBLE BONDS

Coupling of ethylenimine nitrogen with an activated double bond, R.G. Kostianovskii, O. A. Iuzhikova, V. I. Bystrov, Zhur. VkhO 10 no. 2:229-231 '65.

Vinylene homolog of benzotrifluoride, Part 3: Polarization of a double bond in the derivatives of 1-phenyl-2-trifluoromethyl ethylene, L. M. Iagupol'skii, I.U. A. Flaikov, Zhur. ob. khim. 35 no. 6:1088-1091 Je '65

## DOUBLE REFRACTION see Refraction, Double

## DOWNY MILDEW see subdivision under White Rusts

## DRAFT HORSES

Conception and duration of pregnancy in the mares of the Soviet draft type breed, N.N. Andrianov, Trudy GSKH 9:224-232 '58.

## DRAGONFLIES see subdivision under Maritime Territory

## DRAINAGE

(see also subdivision under Golodnaya Steppe, White Russia)

Design of drain holes for the drainage of operating tunnels, A. I. Khutshevlil, Trudy GPI [Gruz.] no. 7:153-160 '63.

Rylov, V.N. [Safety engineering in drainage construction work] Tekhnika bezopasnosti gidromellorativnykh rabot, Minsk, Urozhai, 1965, 42 p.

Technology of laying subsurface drainage in peat soils, L. Bogotov, I. Sheniagina, Tekh. v sel'khoz. 26 no. 5:20-22 My '65.

Uleka, J. [Optimum depth and spacing of drains] Optimalais drenu dzilums ar atstastus, Riga, Latvijas Valsts izdevnieciba, 1965, 48 p. [in Latvian]

## DRAINAGE—EQUIPMENT AND SUPPLIES

Selecting sinking and artesian pumps for vertical drainage, N.N. Omelin, Vop. gidr. no. 22:54-66 '65.

Technique for the construction of drainage structures, V. Gorinskii, A. Omelin, Tekh. v sel'khoz. 26 no. 5:80-92 My '65.

## DRAINAGE, SURGICAL

Anatomic substantiations of expedient incisions for draining the talocrural joint, G.A. Mikhailov, Vest. khir., 93 no. 11:73-78 N '64.

Drainage of the respiratory tract through tracheostomy in disorders of its patency in the lower sections, I.U. V. Isakov, T. K. Vichomova-Osipenkova, Trudy Inst. im. N. V. Sklif. 8:145-150 '63.

## DRAMA—BIBLIOGRAPHY see Bibliography—Drama

## DRAMA—HISTORY AND CRITICISM

"Man without qualities" on the stage, A. Doroshovich, Teatr 26 Ap '65.

## DRAMA FESTIVALS see subdivision under Moscow

## DRAWING—AUDIO-VISUAL AIDS

Homemade games and visual aids, E. Kossakovskaya, Doshk. vosp. 38 no. 5:126-128 My '65.

## DRAWING—INSTRUCTION

Sheet or an album? T. Komarova, Doshk. vosp. 38 no. 1:47-48 Ap '65

## DRAWING (METALWORK)

Mechanical properties of aluminum alloy pipe in relation to the degree of deformation during drawing, G. N. Titonik, V.I.A. Shapiro, TSvet. met. 38 no. 5:76-78 My '65.

## DREDGING

Current problems in the winning and transportation of mineral building materials, A. Prostov, Rech. transp. 23 no. 12:5-6 D '64.

## DREDGING MACHINERY

Bucket unit with forced dumping of soil, G. Orlov, Rech. transp. 23 no. 12:39-40 D '64.

Increasing the coefficient of the efficient capacity of a suction dredge bucket, V. Mitiusev, Mor. flot. 25 no. 4:33-34 Ap '65.

Pay more attention to mastering of the operation of new suction dredges, V. Kirichenko, Rech. transp. 23 no. 12:34 D '64.

## DREISSENDAE see subdivision under Dnieper Reservoir

## DRESSMAKING

[Trimming for dresses] Otdelk k plat'iam, 2., porer. izd. Minsk, Belarus', 1965, 180 p.

## DRESSMAKING—PATTERN DESIGN

**Litvin, L. M.** [Design of clothing made from check pattern fabrics] *Modifikatsionnye odelchye iz kletchatykh tkanin*, 3 izd., ispr. 1 dop. Moskva, Legkaya industriya, 1965, 90 p.  
Particular characteristics of the construction of clothing from check fabrics. V. F. Shan'gina. T. M. Ivanova. Zh. tekhn. fiz. 2:6-29. Mr-Apr '65.

## DRIED VEGETABLES see Vegetables, Dried

## DRILL (AGRICULTURAL IMPLEMENT)

Crawler tractor-driven side-grab units for intertillage cultivation. A. Vagarev, V. Zhigan. Tekhn. v sel'khoz. 23 no. 5:45-49. My '65.

Introducing the SZKP-34 combined pressing grain drill. A. F. Ponomarev. Bul. tekhn. i tekhn. inform. Gos. nauch.-issled. tsentra tekhn. inform. 18 no. 5:37-39. My '65.

## DRILLING AND BORING

Technical studies of the hole rearing process in polymers. L. V. Strel'tsov. V. A. Strel'tsov. Vrat. mashinost. 43 no. 5:67-69. My '65.

## DRILLING AND BORING MACHINERY

Use of asynchronous motors in the electric drives of drilling machines. I. I. Sht. Prom. energ. 20 no. 3:31-33. Mr '65.

## DRILLING AND BORING MACHINERY—ATTACHMENTS

Attachments for multiple machining of parts on drilling machines. V. A. Sol'tsevich, L. F. Kravchenko. Mashinostroyeniye no. 3:57-60. My-Je '65.

## DRILLING FLUIDS

Effect of the critical exchange complex of a surface-active medium on the dispersity of carbonate clay suspensions. A. I. Baidakov, A. I. Maslarskiy, Koll. zhurn. 27 no. 2:145-150. Mr-Apr '65.

**Makarov, L. V.** [Drilling fluids in core drilling] *Promyshlennoye zhidkostno-kolonkovom burenii*, Moskva, Nedra, 1965, 63 p.  
Natural argillite-silicofluorite suspensions in boring. G. I. Krupno. Shkhit. strel. 9 no. 5:18-20. My '65.

## DROGODYCH (UKRAINE)—AMATEUR THEATRICALS

Companions, remarks of a stage-director. I. Stasenko. Teatr. 26 no. 4:100. Ap '65.

## DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

## DROGOPHILA

Effect of EDTA on the process of crosslinking in the liver of *Drogophila melanogaster*. Suresh P. Bhatnagar. Vys. LGU. 20 no. 1:130-135. '65.

## DRUG INDUSTRY

**Natradze, A. G.** [Chemistry and medicine, chemical-pharmaceutical industry of the U.S.S.R.] *Khimia i meditsina, khimiko-farmatsevticheskaya promyshlennost' SSSR*, Moskva, Znanie, 1965, 45 p. (Narodnyi universitet. Fakul'tet zdorov'ia, no. 10).

## DRUGS—EFFECT ON MICRO-ORGANISMS see Micro-organisms, Effect of drugs on

## DRUGS—HANDBOOKS, MANUALS, ETC.

[Prepared drugs, a manual for physicians] *Gotovye lekarstvennye preparaty, spravochnik dlia vrachei*, Moskva, Meditsina, 1965, 228 p. (DMLM).

## DRUGSTORES—LIGHTING

Electric lighting in pharmacies. D. A. Zil'ber. Svetotekhnika. 11 no. 4:11-13. Ap '65.

## DRYING AGENTS

Defluants and desiccants. I. D. Sirono. Khim. v sel'. 3 no. 5:53-60. My '65.

## DRYING APPARATUS

Application of vacuum drying in the light industry. I. U. A. Baoin. Nauch. trudy MTILP. no. 30:251-228. '64.  
Automatic loading and unloading of vertical drying furnaces. V. N. Fomun. Mashinostroyeniye no. 3:32-33. My-Je '65.

Calculation of savings resulting from heat regeneration in drying systems. B. I. Piatashov. Prom. energ. 20 no. 3:6-8. Mr '65.

Drying plaster and walls of buildings by gas dryers. T. M. Smaykhilova. Nov. tekhn. zhil.-kom. khoz. Zhil. khoz. no. 2:28-33. '63.

Induction heat dryer for the drying of rubber compound ingredients. V. I. Krushkovskiy. Khim. prom. [Ukr.] no. 3:80-81. Ap-Je '65.

## DUCK BREEDING

Seasonal change in the blood of ducks and its importance in the evaluation of the productivity of breeding stock. A. A. Bonush. Vestn. AN BSSR. Ser. sel'sk. hosp. nav. no. 4:128-134. '64.

## DUCKS—DISEASES AND PESTS

(see also subdivision under North Kazakhstan Province)  
Pathomorphology of influenza in ducklings. B. A. Gladkov. Veterinaria. 41 no. 4:41-43. Ap '65.

## DUCKS—PARASITES see Parasites—Ducks

## DUMP TRUCKS—CATALOGS

**Beloruskii avtomobil'nyi zavod**, [Catalog of spare parts for the BelAZ-540 dump truck] *Katalog zapasnykh chastei avtomobil'no-samosvala BelAZ-540*, Moskva, Mashinostroyeniye, 1965, 283 p.

## DUODENUM

Prolapse of gastric polyps into the duodenum. A. N. Lalin. Vest. rent. i rad. 40 no. 1:65. Ja-F '65.

## DUODENUM—ABNORMALITIES AND DEFORMITIES

Clinical roentgenological variations of megaduodenum in children. V. F. Baklanova, M. A. Filipkin. Vest. rent. i rad. 40 no. 1:12-15. Ja-F '65.

## DUODENUM—DISEASES

Divergences of the duodenum; a review of literature. O. M. Vasil'eva. Sov. med. 28 no. 1:137-141. Ap '65.

## DUODENUM—INFLAMMATION

Functional state of the adenotomax in hyperacid gastritis, gastroduodenitis and gastric ulcer. Sov. med. 28 no. 4:27-30. Ap '65.

## DUODENUM—ULCERS

Perforation of gastric and duodenal ulcer in elderly persons. N. I. Kozimov. Trudy Inst. im. N. V. Sklif. 9:44-50. '63.

## DURA MATER—SURGERY

Closing the defects of the skull and the dura mater. T. K. Vichomova-Osipenko, N. S. Beliaev. Trudy Inst. im. N. V. Sklif. 8:154-157. '63.  
Primary and secondary alloplasty of the defects of the skull bones and the dura mater. N. S. Beliaev. Trudy Inst. im. N. V. Sklif. 8:77-82. '63.

## DURALUMIN—CORROSION

Corrosion-fatigue strength of duralumin in the presence of stress concentrators. A. V. Karashov, I. U. V. Tomnikov. Fiz.-khim. mekh. mat. 1 no. 2:188-192. '63.

## DUST—REMOVAL

Centralized dust removal in clothing factory shops. V. A. Ermolaev. Shvein. prom. no. 2:16-18. Mr-Apr '65.

Dust removal during the operation of ball mills. A. S. Sakharov, P. A. Kolevator. Bezop. truda v prom. 9 no. 3:47-48. Mr '65.

## DUST COLLECTORS

Characteristics of dusts from nonferrous metallurgy plants according to their specific surface and structure. I. L. Peisakhov. Sbor. nauch. trud. Gintsvetmeta. no. 9:5-22. '55.

Control of dust in areas beneath the hopper. R. A. Kucher-shin, M. V. Gushchenko, K. D. Malevannyi. Metallurg. 10 no. 6:12-13. Je '65.

Dust collection in secondary copper plants. P. I. Voskresenskiy. Sbor. nauch. trud. Gintsvetmeta. no. 9:63-75. '55.

New methods of controlling dust collection systems. P. I. Voskresenskiy, N. V. Ushakov, I. Sh. Plotnikskiy. Sbor. nauch. trud. Gintsvetmeta. no. 9:76-98. '55.

Practice in dust utilization in the sintering shop of the Karaganda Metallurgical Plant. L. E. Namiatova, G. N. Namiatov. Bul. tekhn.-ekon. inform. Gos. nauch.-issled. inst. nauch. i tekhn. inform. 18 no. 5:6-7. My '65.

Using rapid dust collectors with preliminary moistening of gases in plants of nonferrous metallurgy. G. M. Gordon, N. P. Ozolif. Sbor. nauch. trud. Gintsvetmeta. no. 9:89-113. '55.

## DWELLINGS

Consequences of the willful building of a house. P. Trubnikov. Sov. iust. 28 no. 1:17-19. Je '65.

## DYES AND DYEING

Effect of structural factors on the thermodynamic characteristics of extraction of the salts of basic dyes. Part 6. Composition and structure of solvates in isopropyl alcohol. K. S. Krasnov, F. D. Kashitina. Radiofizika. 7 no. 2:146-151. '65.

## DYES AND DYEING—LEATHER

Possibility of dyeing leather with dispersed dyes for acetate silk. I. N. Alatyrisova, I. U. N. Aronina. Nauch. trudy MTILP. no. 30:78-82. '64.

Studying the properties of the dispersions of protein copolymers. A. V. Zheltova, N. K. Barambolin. Nauch. trudy MTILP. no. 30:18-25. '64.

## DYES AND DYEING—NYLON

Loose nylon dyeing. G. N. Kharitonova, A. M. Nikitina, N. I. Chudakova. Khim. volok. no. 2:61-62. '65.

## DYNAMICS

The Saint Venant principle in the dynamics of rods. V. V. Novozhilov. L. I. Stepan. Prikl. mat. i mekh. 28 no. 2:261-281. Mr-Apr '65.

## DYNAMICS, RIGID

Spiral motion of bodies. A. D. Zamorakh. Izv. AN SSSR. Fiz. zem. no. 6:78-79. Je '65.

## DYNAMOMETER

Establishing norms for tractor work using a dynamometer. I. P. Leman. Zap. Len. gos. inst. 85:125-135. '61.

Rotary dynamometer. A. M. Pinkarev. Zap. Len. gos. inst. 85:118-124. '61.

Using continuous operating dynamometers on tractors. G. G. Ramev and others. Mashinost. 10 no. 6:2-3. '65.

Various systems of mounting the RBE-3 dynamometer on the "Belarus". D. I. 54 and tractors. V. P. Zolotarev, P. P. Leman. Zap. Len. gos. inst. 85:109-110. '61.

## DYNAMOS see Electric generators

## DYSCHONDROPLASIA

Olfert's disease (dyschondroplasia) combined with a brain tumor, craniohypophyseal. G. G. Sokolovskiy. Zhur. nevro. i psikh. 65 no. 6:821-824. '65.

## DYSENTERY

(see also subdivision under Ordzhonikidze)  
Results of the mass utilization of the polyvalent dysentery bacteriophage. N. N. Frolova, P. K. Cherkasov. Zhur. mikrobiol. epid. i immunit. 42 no. 3:123-124. '65.

## DYSPEPSIA

Determining the dose of antibiotics in toxic dyspepsia of calves. V. M. Dodokopov. Veterinaria. 41 no. 4:73-78. Ap '65.

Intraperitoneal injection of novocaine with penicillin in dyspepsia of calves. L. G. Smirnov. Veterinaria. 41 no. 1:67-69. Ap '65.

Prophylaxis and therapy of dyspepsia in young animals. E. T. Savushkina. Veterinaria. 41 no. 4:68-69. Ap '65.

Use of a nutrient salt solution in dyspepsia of calves. M. P. Kovalev. Veterinaria. 42 no. 5:63. My '65.

Use of new antiparasitic and disinfecting agents in dyspepsia. D. K. Chervinkov, V. N. Zokhtinov, V. P. G. Veterinaria. 42 no. 6:63-65. Ja '65.

## DYSTROPHY

Clinical aspects of toxic dystrophy of the liver in Botkin's disease in gravidas, based on material of infectious diseases hospital in Ulan-Bator. V. G. S. Sov. med. 28 no. 1:93-95. Ap '65.

Problem of acute dystrophy of the liver following aminazine therapy. M. F. Smaga. Zhur. nevro. i psikh. 65 no. 6:920-923. '65.

## DZERZHINSK (GORKYI PROVINCE)—TECHNOLOGY INFORMATION SERVICES

Practices in organizing technological promotion in a plant's technological center. A. N. Volkov. NII no. 3:10. '65.

## DZHAMBUL PROVINCE—LAW—STUDY AND TEACHING

Preparation of personnel trained in law. K. Khabibov. Soz. zakon. 42 no. 3:71. Mr '65.

## DZHAMBUL PROVINCE—LAWYERS

Preparation of personnel trained in law. K. Khabibov. Soz. zakon. 42 no. 3:71. Mr '65.

## DZHEZKAZGAN REGION (KAZAKHISTAN)—MINE SURVEYING

Establishing a control point network in underground mine surveying in Dzhezkazgan. V. I. Ryzhenkov. Shkhit. strel. 9 no. 5:17. My '65.

## DZHURUN REGION (KAZAKHISTAN)—FIELD CROPS

Root system spread of some field crops in the Dzhurun desert steppes. I. O. Baitulin. Izv. AN Kazakh. SSR. Ser. biol. nauk. 3 no. 1:70-85. Ja-F '65.

## DZUNGARIAN ALATAU—GEOLOGY, STRUCTURAL

Hercynian geosynclinal structures of the Dzungarian Alatau. I. I. Filatova, V. A. Bush. Geotektonika. 40:40-60. My-Je '65.

## DZUNGARIAN ALATAU—SUSLIKE

Reproduction characteristics of long-tailed snail (Cittellus undulatus) in the Dzungarian Alatau. A. B. Kenov. Izv. AN Kazakh SSR. Ser. biol. nauk. 3 no. 1:81-91. Ja-F '65.

## EAGLES

Our fostering. A. Trofimukova. Doshk. vosp. 38 no. 6:72-73. Je '65.

## EARTH—FIGURE see subdivision under Titles

## EARTH—INTERNAL STRUCTURE

Boundaries of the first kind in the upper mantle of the earth. S. I. Golenitskiy, G. I. Medvedeva. Izv. AN SSSR. Fiz. zem. no. 6:57-62. '65.

Impact compression of ferroallion and the possible constitution of the earth's core. S. B. Kornier, A. I. Funtikov. Izv. AN SSSR. Fiz. zem. no. 5:1-3. '65.

## EARTH—INTERNAL STRUCTURE (Continued)

Intensity of waves reflected from the boundaries of the second kind in the earth's mantle. N. G. Mikhailova. B. S. Paritskii. Izv. AN SSSR, Fiz. zem. no. 5, 63-66 '65.

Possibility of the determination of the depth of the occurrence of the Mohorovicic surface for a triple-layered area of the earth's crust. I. Sh. Rokhina. Geofiz. sbor. no. 8:27-33 '61.

## EARTH—SURFACE

(see also subdivision under Kurile Island region, West Siberian Plain)

Change of the velocity of longitudinal waves and densities during phase and chemical transitions in the earth's interior. I. Sh. Rokhina. Geofiz. sbor. no. 9:75-82 '61.

Effective form of the explosive charge in deep seismic sounding of the earth's crust. V. G. Afonin. Geofiz. sbor. no. 8:97-100 '61.

## EARTH SATELLITES see Artificial satellites

## EARTH TEMPERATURE

(see also subdivision under Grynovka Gas Field)

Characteristics of temperature changes with depth in the upper layers of the earth's crust. R. I. Kutas. Geofiz. sbor. no. 9:111-117 '61.

Valuation of the distortion effect of the relief on geothermal parameters. R. I. Kutas. Geofiz. sbor. no. 9:107-113 '61.

## EARTHMOVING MACHINERY

Dorshchikov, T. S. [Earthmoving machinery; the organization and technology of earthwork] Zemlerulnye mashiny, organizatsiia i tekhnologiya zemelnykh rabot. Izd. 2, perer. i dop. Leningrad, Kolos, 1965, 366 p. Efficient parameters of earthmoving machinery for transportation construction. O. N. Mashkovich. Transp. sbor. 15 no. 4:40-42 Ap '65.

New earthmoving machinery for water management construction. I. A. Makhotin. R. S. Pishchikov. I. P. Filippov. Trudy Giprovdokhiza no. 25:41-51 '63.

Using earthmoving machinery in water management. V. V. Zhelezov. R. S. Pishchikov. I. P. Filippov. Trudy Giprovdokhiza no. 25:52-71 '63.

## EARTHMOVING MACHINERY—FUEL CONSUMPTION

Russia (1917- R. S. F. S. R.) Ministerstvo sel'skogo. khoziaistva, Upravlenie organizatsii tuda i zarabotnoi. platy. [Collection of output and fuel consumption norms in land improvement operations and mechanized work] Sbornik norm vyrabotki i raskhoda topliva na agromekhorativnye mekhanizirovannye raboty. Moskva, Rossiiskhoizdat, 1965, 47 p.

## EARTHMOVING MACHINERY—PRODUCTION STANDARDS

Russia (1917- R. S. F. S. R.) Ministerstvo sel'skogo. khoziaistva, Upravlenie organizatsii tuda i zarabotnoi. platy. [Collection of output and fuel consumption norms in land improvement operations and mechanized work] Sbornik norm vyrabotki i raskhoda topliva na agromekhorativnye mekhanizirovannye raboty. Moskva, Rossiiskhoizdat, 1965, 47 p.

## EARTHMOVING MACHINERY—SAFETY MEASURES

Ilyov, V. N. [Safety engineering in drainage construction work] Tekhnika bezopasnosti gidromekhorativnykh rabot. Minsk, Urozhai, 1965, 42 p.

## EARTHQUAKES

Earthquake physics. O. I. Iurkevich. Geofiz. sbor. no. 6:13-17 '61.

[Earthquakes in the U. S. S. R. in 1962] Zemletreseniia v SSSR v 1962 godu. Moskva, Nauka, 1964, 153 p. Some characteristics of the formation of an epicentral zone of after shocks. K. V. Pashenkov, N. S. Boikov. Geol. i geofiz. no. 3:128-131 '65.

## EAST (NEAR EAST) see Near East

## EAST (SOVIET FAR EAST) see Soviet Far East

## EAST AND WEST

The struggle between ideas and diplomacy. V. Israellian. Mezhdunar. zhizn' 12 no. 7:82-92 Jl '65.

## EAST EUROPEAN PLAIN—PALEOBOTANY, STRATIGRAPHIC

New data on the interglacial flora in the central part of the Russian Plain. V. N. Sukachev and others. Blul. MOIP. Otd. biol. 70 no. 1:55-64 Ja-F '65.

## EAST EUROPEAN PLAIN—ROCKS, SEDIMENTARY—MAPS

Kolina, N. A., N. S. Chebotareva, and S. M. Shuk. [Map of Quaternary sediments in the northwestern part of the East European Plain on a 1:2,500,000 scale] Karta chetvertichnykh otlozhenii Severo-Zapada Russkoi ravniny masebtaba 1:2 500 000. Moskva, Izd-vo Akad. nauk SSSR, 1962, 13 p. map (insert)

## EAST GERMANY see Germany, East

## EAST KAZAKHSTAN PROVINCE—ACCOUNTING

Finish the job you have begun. I. Boriskin, A. Chakilev. Nar. khoz. Kazakh. 23 no. 3:32-34 Mr '65.

## EAST KAZAKHSTAN PROVINCE—ECONOMIC GEOGRAPHY

Moscow, Universitet. Geograficheskii fakul'tet. Kazakhstanskaiia ekspeditsiia, 1958-1959. [Economic geography of Eastern Kazakhstan] Voprosy ekonomicheskoi geografii Vostochnogo Kazakhstana, trudy. Pod obshch. red. A. Ia. Zaplavno, I. V. Nikol'skogo i A. T. Khrushcheva. Moskva, Vol. 1, 1961, 1 v. maps. (MH)

## EAST KAZAKHSTAN PROVINCE—NONFERROUS METAL INDUSTRIES—LABOR PRODUCTIVITY

The problems can be solved. At what expense? A. Alek-sandrov. Nar. khoz. Kazakh. 23 no. 3:39-42 Mr '65.

## EAST SIBERIAN ECONOMIC REGION—BUILDING

Krasnov, I. D. [Methods of raising the scientific level of capital construction planning, based on materials of the East Siberian Economic Region] Puti povysheniia kapital'nogo stroitel'stva, po materialam Vostochno-Sibirskogo ekonomicheskogo raiona. [In kutsak] Vostochno-Sibirskoe knizhnoe izd-vo, 1964, 149 p.

## EAST SIBERIAN ECONOMIC REGION—CAPITAL INVESTMENTS

Krasnov, I. D. [Methods of raising the scientific level of capital construction planning, based on materials of the East Siberian Economic Region] Puti povysheniia kapital'nogo stroitel'stva, po materialam Vostochno-Sibirskogo ekonomicheskogo raiona. [In kutsak] Vostochno-Sibirskoe knizhnoe izd-vo, 1964, 149 p.

## EASTERN EUROPE see Europe, Eastern

## EASTERN SIBERIA see Siberia, Eastern

## ECLIPSES, LUNAR

Micro-wave observation of lunar radio eclipses. S. A. Kamenskii and others. Izv. vya ucheb. zav., radiofiz. 8 no. 2:218-228 '65.

## ECONOMIC ASSISTANCE, AMERICAN see subdivision under Afghanistan

## ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Underdeveloped Areas

## ECONOMIC BOTANY see Botany, Economic

## ECONOMIC FORECASTING

Planning and forecasting. M. Breev. Plan. khoz. 42 no. 6:58-67 Je '65. Using the conditions of the market for equipment. F. Levashin. Vnesh. torg. 45 no. 6:44-48 '65.

## ECONOMIC GEOLOGY see Geology, Economic

## ECONOMIC RESEARCH see subdivision under Ukraine

## ECONOMIC ZONING

(see also subdivision under Cuba)

Indices of regional specialization and complexity. V. V. Kistanov. Izv. AN SSSR, Ser. geog. no. 3:64-72 My-Je '65.

Moscow, Institut narodnogo khoziaistva. [Economic regions of the U. S. S. R.] Ekonomicheskie raiony SSSR. Moskva, Ekonomika, 1965, 539 p.

## ECONOMICS

Budrys, Dzidas. [Essays in political economy] Politines ekonomijos apybraižai. Vilnius, Leidykla "Mintis," 1964, 326 p. [In Lithuanian]

Concerning one legal construction. V. V. Mal'kevich. Vop. filos. 19 no. 6:138-141 '65.

Dudich, Z. Z. [Economic laws and their use in the building of communism] Ekonomicheskie zakony i ikh ispol'zovanie v stroitel'stve kommunizma. Minsk, Nauka i tekhnika, 1965, 218 p.

Political economy of the modern world. L. Leont'ev. Mir, ekon. i mezhdunar. otn. no. 7:87-95 '65.

## ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

## ECONOMICS—METHODOLOGY

Problems of methodology discussed. Z. G. andberg. E. Dunayev. Vest. Mosk. un. Ser. 8: Ekon., filos. 20 no. 2:94-99 Mr-Apr '65.

## ECONOMICS, MATHEMATICAL

(see also subdivision under France)

Algorithm of an approximate calculation of total labor intensity. M. M. Golanskii. Ekon. i mat. metod. 1 no. 2:243-248 Mr-Apr '65.

Optimal large-scale planning; iterative methods and the principle of decomposition. V. A. Volkonskii. Ekon. i mat. metod. 1 no. 2:195-210 Mr-Apr '65.

Planning for the use of the capital assets of an enterprise. I. A. Elin. Ekon. i mat. metod. 1 no. 2:240-255 Mr-Apr '65.

Practice in standard evaluation of the levels of labor productivity on the basis of a model of production functions. I. A. P. Gorchuk. Ekon. i mat. metod. 1 no. 2:220-232 Mr-Apr '65.

Solution of the transportation problem by the method of solving summands. E. P. Nesterov. Ekon. i mat. metod. 1 no. 2:271-274 Mr-Apr '65.

## EDEMA

Practices in the elimination of edema in young pigs. V. G. Zaitova, L. P. Padina. Veterinariia 42 no. 6, 59-71 Je '65.

## EDISON, THOMAS ALVA, 1847-1931

A book about Edison. R. A. Sapozhnikov. Svetotekhnika 11 no. 4:30 Ap '65.

## EDUCATION

(see also subdivision under France; Gambia, Germany, West, Kazakhstan, Latin America, Lithuania)

Before the beginning of the "Big lesson." Nar. obr. no. 7:1-7 Jl '65.

In the Ministry of Education of the R. S. F. S. R. Nach. shkola 33 no. 6:90 Je '65.

In the Ministry of Education of the R. S. F. S. R. Nar. obr. no. 7:119-121 Jl '65.

International cooperation in the field of education according to the UNESCO program. P. Zimin. Nar. obr. no. 6:97-102 Je '65.

Toward the glorious fiftieth anniversary: in the Ministry of Education of the R. S. F. S. R. Nach. shkola 33 no. 5, 27 My '65.

## EDUCATION—FINANCE

Subbotina, K. I. [Public education and the budget] Narodnoe obrazovanie i biudzet. Moskva, Finansy, 1965, 141 p.

## EDUCATION—PERIODICALS

Read it in the periodicals. Nar. obr. no. 7:118 Jl '65.

## EDUCATION, COMPULSORY see subdivision under Nizhnekolymsky District

## EDUCATION, COOPERATIVE

Medvedev, R. A. [Organizing the vocational education of students] Voprosy organizatsii professional'nogo obucheniia shkol'nikov. Pod red. A. A. Vasil'eva. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963, 127 p. (Biblioteka politicheskogo obucheniia) (InU)

## EDUCATION, ELEMENTARY

(see also subdivision under India, Komi A. S. S. R., Vladimir Province)

Development of the cognitive abilities of the firstgraders. A. V. Plekhanov, N. V. Iatsuta. Nach. shkola 33 no. 4, 76-79 Ap '65.

For and against the suggestions of L. V. Zankov. N. A. Kazantsev. Nach. shkola 33 no. 4:79-80 Ap '65.

Preparation of grade. A. Voskresenskii. Nar. obr. no. 7:38-41 Jl '65.

Secondary school supervision of elementary two-grade schools. M. I. Kheigeltan. Nach. shkola 33 no. 5:49-50 My '65.

What is going to be published for elementary schools by the publishing house "Prosveshchenie" in 1965. M. Parfent'ev, V. Kobyskin, I. Mikheev. Nach. shkola 33 no. 6:83-87 Je '65.

## EDUCATION, HIGHER

(see also subdivision under Hungary)

Let's adjust the training of postgraduate students to the interests of their research. N. S. Godsiyev. Vest. vys. shkoly 23 no. 6:50-52 Je '65.

Subject of a dissertation and industry. A. A. Iurchenko. Vest. vys. shkoly 23 no. 6:53-56 Je '65.

There should be a sensible schedule for students' work, everyday life and rest. L. G. Chuprakova. Vest. vys. shkoly 23 no. 6:83-89 Je '65.

## EDUCATION, PRESCHOOL

(see also subdivision under Altai Territory; Anna District; Fatesh District; Kalach-on-Don District; Kursk Province; Leningrad Province; Lomonosov District; Nizhny Novgorod Government; Nollinsk District; Novozybkov District; Rostov Province; Solntsevskiy District; Sudzha District; Topchikha District; Uzbekistan; Volosovo District)

Deputies to the Supreme Soviet of the R. S. F. S. R. relate. A. Mamonov and others. Doshk. vosp. 38 no. 3:9-13 Mr '65.

Development of thinking. Z. Gan'kova. Doshk. vosp. 38 no. 3:55-56 Mr '65.

Every village should have a children's institution. Z. Shakhit. Doshk. vosp. 38 no. 5:82-84 My '65. Isn't this a stagnation? D. Pimenova. Doshk. vosp. 38 no. 5:73-75 My '65.

Let's be more energetic in building. A. Rukosueva. Doshk. vosp. 38 no. 4:87-88 Ap '65.

Little children live on collective and state farms. Doshk. vosp. 38 no. 3:3-5 Mr '65.

Preparation for the school. L. Perepelkina, L. Russkova, K. Pavlidis. Doshk. vosp. 38 no. 5:11-16 My '65.

Reviews are useful. I. Minina. Doshk. vosp. 38 no. 6:78-79 Je '65.



## EDUCATION, PRESCHOOL (Continued)

- Twenty-fifth anniversary of a normal school for pre-school education N Titarenko, Doshk. vosp. 38 no. 4 89 Ap '65.
- Useful initiative V. Ezikeeva, Doshk. vosp. 38 no. 5 5 My '65.
- Viable traits of the future A. Solov'eva, Doshk. vosp. 38 no. 4 85-87 Ap '65.
- What children's abilities depend on, L. Venger, Doshk. vosp. 38 no. 6 28-32 Je '65.
- With us in Drushnosel'ye, N. Dubrovskii, Doshk. vosp. 38 no. 6 84 Je '65.

## EDUCATION OF CHILDREN

- Pedagogical metamorphoses, G. Skibinskain, Nar. obz. no. 7-19-56 JI '65.
- Two childhoods, A. Spirova, Doshk. vosp. 38 no. 3 57-60 Mr '65.

EDUCATIONAL LAW AND LEGISLATION see subdivision under Germany, East

## EDUCATIONAL PSYCHOLOGY

- Moshnin, I. D. [The pedagogical element in party work] Element pedagogiki v partinoy rabote, Moskva, Politizdat, 1965, 78 p. (Voprosy partinogo stroitel'stva)

EDUCATIONAL STATISTICS see subdivision under Latvia

## EDUCATIONAL TESTS AND MEASUREMENTS

- Studying the individual characteristics of students in the processing of mathematical information S. I. Shapiro, Vop. psikh. 11 no. 2 91-100 Mr-Apr '65.

## EFFICIENCY, INDUSTRIAL

- The volunteer department for the introduction of efficiency suggestions is in operation, A. Lukhanchenko, S. Vishnevetski, Metallurg 10 no. 6 39-49 Je '65.

## EFIRAN

- Effect of efiran 99 on carbohydrate and protein metabolism in weeds M. A. Alizade, Shamkhal Mamedov, S. V. Karakhanova, Izv. AN Azerb. SSR, Ser. biol. nauk no. 6 19-22 '64.

## EGGS—INCUBATION

- Use of the alternating heating system in the incubation of goose eggs L. L. Makarau, Vestsi AN BSSR, Ser. sel'sk. hosp. nav. no. 4 88-94 '64.

EGGS—MARKETING see subdivision under Krasnodar Territory

## EGYPT—ECONOMIC CONDITIONS

- The United Arab Republic on the way toward new goals, N. Smetanin, Mezhdunar. zhizn' 12 no. 7 44-62 JI '65.

## EGYPT—FOREIGN ECONOMIC RELATIONS—RUSSIA

- The United Arab Republic on the way toward new goals, N. Smetanin, Mezhdunar. zhizn' 12 no. 7 44-52 JI '65.

## EGYPT—FOREIGN RELATIONS—GREAT BRITAIN

- From the history of the Egyptian people's struggle for independence, the Anglo-Egyptian agreement of 1954, A. M. Goldobin, Nar. Az. i Afr. no. 3 81-89 '65.

## EGYPT—HISTORY

- From the history of the Egyptian people's struggle for independence; the Anglo-Egyptian agreement of 1954, A. M. Goldobin, Nar. Az. i Afr. no. 3 81-89 '65.

## EGYPT—POLITICS AND GOVERNMENT

- Consultations: The Arab Socialist Union, F. Khabibov, Mezhdunar. zhizn' 12 no. 8 139-140 Je '65.

## EGYPT IN LITERATURE AND ART

- Images of the new Egypt, L. Vladich, Iskusstvo 28 no. 4 37-49 '65.

## EIDEMANIS, ROBERTS, 1895-1937

- Silenice, Gundega, [Works of Roberts Eidemanis] Roberta Eidemann dailrade, [Riga] Izdevnieciba "Zinatne," 1965, 234 p. [in Latvian]

## EIKHE, ROBERT INDRIKOVICH, 1890-1940

- Robert Indrikovich Eikhe on the 75th anniversary of his birth I. I. Sanina, Vop. ts. KPSS 9 no. 7 92-97 JI '65.

## ELASTIC PLATES AND SHELLS

- Applying Sneddon's approximation to the problems of a strip, V. N. Buiivol, Prikl. mekh. 1 no. 4 127-130 '65.
- Approximate solutions of the axisymmetric deformation of a spherical shell, I. U. A. Shevlyakov, V. N. Chekhov, Prikl. mekh. 1 no. 4 12-18 '65.
- Bending of a circular orthotropic plate of variable thickness, N. M. Maslov, Prikl. mekh. 1 no. 2 67-73 '65.
- Bending of a plate in the shape of a circular rectangle, S. E. Tutov, Prikl. mekh. 1 no. 4 133-134 '65.
- Bending of a spherical shell under an arbitrary axisymmetric load, T. V. Budnikova, Izv. AN SSSR, Mekh. no. 2 164-168 Mr-Apr '65.

- Carrying capacity of a compressed and bent shallow spherical shell, O. N. Shablii, Prikl. mekh. 1 no. 4 19-24 '65.

- Development of the theory of shells and plates, 5th All-Union conference, A. N. Volkov, Vest. AN SSSR 35 no. 5 100-101 My '65.

- Evaluating the carrying capacity of shallow shells of revolution and of stretched and bent circular plates, M. Sh. Mikeldadze, Prikl. mekh. 1 no. 2 40-47 '65.

- The Fifth All-Union Conference on the Theory of Plates and Shells, February 3-6, 1965, in Moscow, A. I. Strelbitskaya, Prikl. mekh. 1 no. 4 139-141 '65.

- Flexure of a semi-infinite plate by a load distributed along the edge, A. A. Khachatryan, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 2 39-47 '65.

- Flexure of rectangular transversely isotropic plates, A. P. Mukhonian, A. A. Khachatryan, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 4 52 '65.

- Investigating the stability of a rectangular plate of variable thickness, G. A. Izdebskaya, Prikl. mekh. 1 no. 2 62-65 '65.

- Nonlinear problem of the bending of a shallow shell, V. D. Shevchenko, Prikl. mekh. 1 no. 2 56-61 '65.

- Nonlinear problem of the stability of an anisotropic cylindrical shell, G. E. Bagdasarian, V. TS. Gmuni, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 2 32-38 '65.

- Nonlinear theory of the stability of orthotropic inhomogeneous shallow shells, TS. Gmuni, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 1 34-42 '65.

- Propagation of elastic waves from a circular hole in an anisotropic nonhomogeneous plate, V. D. Kubenko, Prikl. mekh. 1 no. 2 25-33 '65.

- Pure bending of a strip weakened by a circular hole taking into consideration the physical nonlinearity, I. A. TSurpal, Prikl. mekh. 1 no. 2 92-98 '65.

- Reducing stress concentration in a plate of unlimited dimensions having angular cuts, D. L. Chernavskii, Prikl. mekh. 1 no. 2 134-138 '65.

- Shallow spherical shell under the action of concentrated forces and moments, I. U. A. Shevlyakov, V. P. Shevchenko, Prikl. mekh. 1 no. 2 74-77 '65.

- Strength of concrete and reinforced-concrete circular cylindrical shells subjected to external hydrostatic pressure, L. M. Bunich, N. P. Trunin, Bet. i zhelebet. 11 no. 5 25-28 My '65.

- Uniqueness of the solution of the dynamic problem in thermoelasticity of thin shells, R. N. Shvets, Prikl. mekh. 1 no. 4 25-28 '65.

## ELASTIC PLATES AND SHELLS—TESTING

- Study of the performance of ribbed shells under concentrated loads, I. A. F. Khebnol, G. M. Etemov, Bet. i zhelebet. 11 no. 5 20-24 My '65.

## ELASTIC RODS AND WIRES

- Applying the mixed method to the problem of the stability of the flat form of bending in thin-walled rods, A. Kh. Vatal'san, Izv. vys. ucheb. zav.; stroit. i arkh. 8 no. 2 46-50 '65.

- Determining the coefficient  $k_2$  from deformation methods of calculation, K. P. Zalunin, V. I. Shonin, Izv. vys. ucheb. zav.; stroit. i arkh. 8 no. 2 3-7 '65.

- Effect of the sequence of the application of outer loads on the bearing capacity of rods of linear reinforcing elastoplastic material, O. I. Ibraev, Izv. vys. ucheb. zav.; stroit. i arkh. 8 no. 2 40-45 '65.

- The Saint Venant principle in the dynamics of rods, V. V. Novozhilov, I. I. Stepan, Prikl. mat. i mekh. 29 no. 2 261-281 Mr-Apr '65.

- A stability problem, V. I. Fedos'ev, Prikl. mat. i mekh. 29 no. 2 301-302 Mr-Apr '65.

- Static calculation of an elastic wire, I. U. A. Maslennikova, Izv. vys. ucheb. zav.; stroit. i arkh. 8 no. 2 28-30 '65.

- Torsion of prismatic rods with a thin reinforcing coating, K. S. Chobanian, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 2 48-57 '65.

## ELASTIC RODS AND WIRES—VIBRATION

- Equations of elastic vibrations of a rod in a mobile system of coordinates, O. A. Goroshko, Prikl. mekh. 1 no. 2 18-24 '65.

- Nonlinear effects caused by vibrations of elastic rods subjected to high-temperature heating, G. A. Kil'chinskaya, Prikl. mekh. 1 no. 2 73-78 '65.

- Transverse vibrations of an elastic string considering its stretching, V. A. Krasnoshepka, Prikl. mekh. 1 no. 2 34-39 '65.

## ELASTIC SOLIDS

- Function of energy dissipation for materials with a nonlinear law of elasticity, P. M. Senik, Prikl. mekh. 1 no. 2 99-103 '65.

- The plane problem of physically nonlinear elastic solids, G. N. Savin, L. P. Khoroshun, Prikl. mekh. 1 no. 4 1-11 '65.

## ELASTIC WAVES

(see also subdivision under Dnieper Valley)

- Absorption and velocity of longitudinal and transverse elastic waves in rock samples at hydrostatic pressures up to 4000 kg/cm<sup>2</sup>, A. I. Levykin, Izv. AN SSSR, Fiz. zem. no. 2 21-27 '65.

- Propagation of elastic waves from a circular hole in an anisotropic nonhomogeneous plate, V. D. Kubenko, Prikl. mekh. 1 no. 2 25-33 '65.

## ELASTICITY

- Bezukhov, N. I. [Examples and problems in the theory of elasticity, plasticity and creep of materials] Primeri i zadachi po teorii uprugosti, plastichnosti i polzuchesti, Moskva, Vysshaya shkola, 1965, 310 p.

- Direction of displacements in a longitudinal wave propagating along the free boundary of an elastic medium, A. A. Gvozdev, Izv. AN SSSR, Fiz. zem. no. 2 165 '65.

- Interaction of parametrically excitable and induced vibrations of elastic panels, G. V. Mischenkov, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 1 53-60 '65.

- Interference of Sh waves in an elastic spherical layer lying on an elastic sphere Part 2, Z. A. Janson, Izv. AN SSSR, Fiz. zem. no. 5 12-24 '65.

- Problem involving the bending of a semi-infinite plate lying on an elastic base, V. I. Travush, Izv. AN SSSR, Mekh. no. 2 144-147 Mr-Apr '65.

- Some problems in the theory of elasticity for a non-homogeneous plane, L. A. Prusov, Prikl. mekh. 1 no. 2 86-91 '65.

## ELASTICITY—BOUNDARY VALUE PROBLEMS

- Conditions for the existence of damping solutions to a two-dimensional problem in the theory of elasticity for a half-strip, M. I. Gusein-Zade, Prikl. mat. i mekh. 29 no. 2 393-399 Mr-Apr '65.

- Contact problems for an elastic strip of limited thickness, V. M. Aleksandrov, V. A. Babeshko, Izv. AN SSSR, Mekh. no. 2 95-107 Mr-Apr '65.

- Solution of problems involving multilayer bases, V. I. Petrishin, A. K. Priyarnikov, I. U. A. Shevlyakov, Izv. AN SSSR, Mekh. no. 2 138-143 Mr-Apr '65.

## ELASTOMERS

- Elastomer synthetic fibers, A. A. Konkina, Zhur. ob. khim. 10 no. 2 152-159 '65.

ELECTION LAW see subdivision under Germany, West

## ELECTRETS

- Study of organic electrets, Part 1: Hydrazides of aromatic sulfonic acids, A. B. Dzidzheleva and others, Zhur. ob. khim. 35 no. 5 831-833 My '65.

## ELECTRIC APPARATUS AND APPLIANCES

- Stability of electric drives fed by autonomous generating units, I. I. Gul'mamedov, Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk no. 6 75-79 '64.

## ELECTRIC APPARATUS AND APPLIANCES—DESIGN AND CONSTRUCTION

- Automating the die stamping and assembly of magnetic systems for low-voltage electric equipment, V. R. Elser, [Nauch. trudy] ENIKMASHA 11:143-150 '65.

## ELECTRIC ARC

- Acceleration of ions in a plasma produced by contact breaking of a current in a vacuum, M. A. Tulin, Zhur. tekh. fiz. 35 no. 3 511-515 Mr '65.

- Forces affecting the arc in a magnetic field, V. D. Taran, I. U. G. Gagen, Svar. proizv. no. 5 3-4 My '65.

- Temperature and density distribution in a high-temperature stationary arc, S. G. Altkhanov, S. F. Ivanova, Zhur. tekh. fiz. 35 no. 3 557-561 Mr '65.

## ELECTRIC BATTERIES

- Galvanic cell in the gravitational field, E. A. Kaimakov, N. L. Varshavskaya, Elektrokhimia 1 no. 5 93-94 My '65.

## ELECTRIC CABLES

(see also subdivision under France)

- Mechanical reliability of communication cables, A. S. Gurevich, N. D. Kurbatov, Elektrotekhnika 35 no. 11: 30-32 N '64.

- Mechanization of cable and line work, V. V. Filippov, Mont. i spets. rab. v stroit. 25 no. 7 14-16 JI '63.
- Permissible loads of power cables with viscous insulating compounds, S. M. Bragin, R. I. A. Fedosenko, M. I. Volkov, Elektrichestvo no. 5 30-35 My '63.

- Problems in the assembling and symmetrization of main cables in an electrification section, A. A. Chalikov, Transp. stroit. 15 no. 4 8-9 Ap '65.

## ELECTRIC CABLES—SAFETY MEASURES

- Protection of cables using silica brick, N. N. Belikov, Prom. energ. 20 no. 3 45-46 Mr '65.

## ELECTRIC CABLES—TESTING

- Improvement of preventive maintenance test methods in cable networks, G. M. Shalyt, Trudy VNIIE no. 18 99-114 '64.

- Performance of flexible high voltage cables in strip mines, A. G. Bezdenezhnykh, Bezop. truda v prom. 9 no. 3 34-35 Mr '65.

## ELECTRIC CAPACITANCE

Approximate calculation of capacitance between an electrode with random form and its encompassing sphere. I.U.S. Rusin. *Elektrichestvo* no 3 89 Mr '65.

## ELECTRIC CLOCKS see Clocks, Electric

## ELECTRIC COILS

Arc-quenching coil with smooth regulation V.A. Somov, V.V. Shul'. S.A. Bobrikov. *Elektrichestvo* no 5 41-48 Mr '65.

Calculation of the parameters of an excitation coil taking into account a short-circuited turn and upper harmonics. B.K. Bul'. *Elektrichestvo* no 3, 58-62 Mr '65.

## ELECTRIC CONDUCTIVITY

Conductance of benzene solutions of hydrogen chloride and tetra-n-butyl ammonium chloride. N.M. Alpatova, I.U. M. Kessler, A.I. Gorbanev. *Izv. AN SSSR. Ser. khim.* no. 6:890-904 '65.

Density and electric conductance of sodium-calcium-magnesium aluminosilicate glasses in a fused state K.A. Kostantian, K.S. Saaklan, O.K. Geokhian. *Izv. AN Arm SSR. Khim. nauki* 17 no 4:357-367 '64.

Using the measurements of electric conductivity in studying complexions. N.M. Diatlova, B.I. Bikhman. *Trudy IREA* no. 25:385-390 '63.

## ELECTRIC CONTACTORS

Device for increasing the reliability and life of electric contactors. N.P. Trusakov. *Vest. svyazi* 25 no. 4:11-12 Ap '65.

Heating of closed contacts during normal operation. N.E. Lysov. *Izv. vuz. ucheb. zav. i energ.* 8 no. 5:41-49 My '65.

Study of overheating and transient impedance of SOK-15 and SOM-10 metal ceramic contactors in short-term and continuous operation I.P. Molashenko, A.S. Vilik. *Elektrotehnika* 36 no. 3:34-36 Mr '65.

## ELECTRIC CONTACTORS—WELDING

Condenser discharge welding of silver-nickel and silver contactors. G.N. Braterskaya, V.A. Neprikhlin. *Avtom. svar.* 18 no. 5:53-54 My '65.

## ELECTRIC CONTROLLERS

Mekler, A.G. [Electrical equipment of hoisting and conveying machinery] *Elektrifikatsiya podzemno-transportnykh mashin. Izd. 3, pererab. dop.* Moskva, Mashinostroenie, 1965, 534 p.

Using the method of volt-ampere characteristics in regulating medium current density. M.E. Zubkov, L.I. Kadaner. *Mashinostroenie* no. 2:74-78 Mr-Apr '65.

## ELECTRIC CRANES

Methods for decreasing the breakdown rate of crane motors. I.P. Pashchenko. *Prom. energ.* 20 no. 3:13-14 Mr '65.

Remote control of electric cranes. A.I. Gurkov, E.M. Pol'skii. *Mekh. i avtom. proizv.* 19 no. 4:35-39 Ap '65.

Use of selenium rectifiers in the power supply of hoist electromagnets. V.I. Belonenko. *Prom. energ.* 20 no. 3:16-17 Mr '65.

## ELECTRIC CURRENT CONVERTERS

Akademika nauk URSS. Kiev. *Fiziko-mekhanichnyi instytut. [Direct current measuring converters] Iz-miritel'nye preobrazovateli postolnogo toka. Pod red. L.A. Sinitskogo. Kiev, Naukova dumka, 1965, 373 p.*

Analysis of the work of d.c. converters with parallel inverters operating in an oscillatory mode. S.M. Katsnel'son. *Izv. vuz. ucheb. zav. i energ.* 8 no. 5:21-29 My '65.

Design of phase sensitive circuits with diodes. I.U.G. Nazarov. *Elektrotehnika* 36 no. 3:18-22 Mr '65.

Operation of the rectifiers in autonomous inverter circuits with increased frequency. V.E. Skorovarov. *Elektrichestvo* no. 3:21-26 Mr '65.

Use of regulated silicon rectifiers in ultrasonic frequency converter networks. M.M. Akodis, M.V. Gol'man. *Elektrichestvo* no. 3:28-30 Mr '65.

Zimin, E.N. [Electric drive with regulated mercury-arc rectifiers] *Elektroprivod s upravlyаемыми ртутными выпрямителями. Moskva, Mosk. energ. in-t. Pt. 1. Kuvaeva, A.P., ed. [Converter systems] Preobrazovatel'nye ustroistva, 1964, 220 p. [MICROFILM]*

## ELECTRIC CURRENT RECTIFIERS

Determination of power relationships and vector power in the rectifiers of converter systems. O.A. Maevskii. *Elektrichestvo* no. 3:7-14 Mr '65.

Operation of silicon power rectifiers at increased frequencies. B.D. Kurnosov. *Elektrotehnika* 36 no. 11 1-5 N '64.

Rectifying equipment for the power supply of rural telephone network. P.A. Kokoshkin. *Vest. svyazi* 25 no. 4:5-8 Ap '65.

Transistorized stabilized key rectifier. V.M. Poisson. *Elektrichestvo* no 5:46-52 My '65.

Use of electronic current commutation in full-wave rectifier circuits with zero output. B.A. Mel'tekin. *Elektrotehnika* 36 no. 3:15-17 Mr '65.

Use of selenium rectifiers in the power supply of hoist electromagnets. V.I. Belonenko. *Prom. energ.* 20 no. 3:16-17 Mr '65.

## ELECTRIC CURRENTS

Effect of the electric current on the rate of nitrogen dissociation in molten oxides. V.M. Kamyshev and others. *Elektrokhimiya* 1 no. 2:227-230 F '65.

## ELECTRIC CURRENTS—GROUNDING

Installation of substation-type grounding systems IA A. T'sirel'. *Elek. sta.* 36 no. 4:63-67 Ap '65.

Some characteristics of the grounding of electric power supply systems N.L. Fu'rs. *Elek. i tepl. tuga* 9 no. 1:15-16 Ap '65.

Use of dual networks for calculating short-circuit to ground currents. V.A. Satarov. *Elektrichestvo* no 5:12-15 My '65.

## ELECTRIC DIPOLE MOMENTS see Dipole moments

## ELECTRIC DISCHARGES

Low-voltage electric discharges in electrolytes. V.D. Saprykin. *Izv. AN Uz. SSR. Ser. fiz. i mat. nauk* 9 no. 1:76-80 '65.

Mechanism underlying the flow of matter in light sources for spectrum analysis. A.G. Nepokoicheskii, A.A. Iankovskii. *Zhur. prikl. spekt.* 2 no. 3:201-206 Mr '65.

## ELECTRIC DISCHARGES THROUGH GASES

Effect of a constant electric and magnetic field on the time of formation of a superhigh-frequency pulse discharge in a gas. S.M. Levitskii, A.I. Lavinskii, I.V. Shirokov. *Izv. vuz. ucheb. zav. i radiofiz.* 8 no. 1:62-168 '65.

## ELECTRIC DRIVING

Automatic control of the angular velocity of a d.c. drive with a series excitation motor. D.P. Petelin. *Trudy MINKHIGP* no. 52:65-73 '64.

Economy of slip power recovery in electric drives. M.B. Milich. *Prom. energ.* 20 no. 5:20-24 Je '65.

High-accuracy control of the angular velocity of an electric drive. V.I. Zahrebel'nyi. *Avtomatika* 10 no. 2:69-75 '65.

Methods for the recalculation of the amplification factors and time constants of motors operating with different plant loads. Z.L. Burtol'skova. *Trudy MINKHIGP* no. 52:74-77 '64.

Trends in the development of automated electric drives. M.G. Chilikin, I.I. Petrov, B.B. Voronetski. *Elektrichestvo* no. 3:1-7 Mr '65.

Zimin, E.N. [Electric drive with regulated mercury-arc rectifiers] *Elektroprivod s upravlyаемыми ртутными выпрямителями. Moskva, Mosk. energ. in-t. Pt. 1. Kuvaeva, A.P., ed. [Converter systems] Preobrazovatel'nye ustroistva, 1964, 220 p. [MICROFILM]*

## ELECTRIC DRIVING—RELIABILITY

Increase in the operational reliability of rolling mill motors. A.S. Lenovich, A.IA. Dublinskii, IA.M. Palei. *Prom. energ.* 20 no. 6:4-9 Je '65.

## ELECTRIC ENGINEERING

Effect of the results of a discussion on the content and presentation of a course in "Theoretical principles of electrical engineering" in the program of this course. L.R. Neiman. *Elektrichestvo* no. 3:85-86 Mr '65.

Pasichnyk, M.D. [Elementary electrical engineering] *Elementarna elektrotehnika. 2. vyprav. i dop. vyd. Kyiv, Derzhizvydav URSS, 1961, 219 p.*

Some remarks on textbooks on the theoretical principles of electrical engineering. I. Didorenko. *Elektrichestvo* no. 3:84 Mr '65.

## ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

## ELECTRIC ENGINEERING—STUDY AND TEACHING

Some remarks on the structure of the course "Theoretical principles of electrical engineering." P.A. Ionkin, N.A. Mal'nikov. *Elektrichestvo* no. 3:83-84 Mr '65.

## ELECTRIC FANS see Fans, Electric

## ELECTRIC FIELDS

Behavior of a plasma with high radiation pressure in a strong electric field. L.E. Gurevich, V.I. Vladimirov. *Zhur. eksp. i teor. fiz.* 48 no. 3:890-900 Mr '65.

Effect of an electric field on the surface ionization of metals. L.N. Dobretsov. *Zhur. tekh. fiz.* 35 no. 3:535-538 Mr '65.

Formation of an electric field in a homogeneous half-space in the case of an immersed source. K.P. Koroleva, V.N. Nikitina, O.A. Skugarevskaya. *Izv. AN SSSR. Fiz. zem.* no. 2:41-49 '65.

Intensity of an electric field required to bring about polarization equal to spontaneous polarization. M.P. Zaitseva and others. *Izv. AN SSSR. Ser. fiz.* 29 no. 6:948-950 Je '65.

Specific resistance of rocks in constant and variable electric fields. M.P. Volinovich, K.A. Valeev, E.I. Pakhomenko. *Izv. AN SSSR. Fiz. zem.* no. 5:51-56 '65.

Theory of oscillations of a plasma in a high-frequency electric field. I.U.M. Aliev, V.P. Shilin. *Zhur. eksp. i teor. fiz.* 48 no. 3:901-912 Mr '65.

Use of Lorenz's lemma in calculating the fields of emission from given sources in infinite media. I.G. Kondrat'ev, V.I. Talanov. *Zhur. tekh. fiz.* 35 no. 3:571-573 Mr '65.

## ELECTRIC FIELDS—MEASUREMENT

Method for increasing the interference rejection of measuring systems with electric field transducers. D.D. Zarin. *Trudy VZEI* no. 26:85-91 '64.

## ELECTRIC FREQUENCY MEASUREMENTS see Frequency measurements

## ELECTRIC FURNACES

Pilot plant tests in precipitation reduction smelting of antimony concentrates in electric furnaces. I.I. Kershanskii and others. *TSvet. met.* 38 no. 5:34-41 My '65.

## ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

Durability of the wall lining of the DSP-60 electric furnace. B.V. Barvin'skii. *Metallurg* 10 no. 5:15-17 My '65.

Mechanization of the steel making process in arc furnaces. I.U.E. Efremovich and others. *Metallurg* 10 no. 6:15-17 Je '65.

Ways of improving the performance characteristics of electrodes for steel melting furnaces. M.A. Ryas, G.V. Dmitrieva, A.S. Smirnova. *Stal'* 25 no. 5:423-425 My '65.

## ELECTRIC FURNACES—SAFETY MEASURES

Safety in the vacuum arc melting of titanium. A.L. Andreev. *TSvet. met.* 38 no. 3:90-93 Mr '65.

## ELECTRIC FUSES

Installation of fuses. *Energetik* 13 no. 2:28 F '65.

## ELECTRIC GENERATORS

Autonomous asynchronous generator with excitation from variable condensers. I.A. Popov. *Elektrotehnika* 35 no. 11:41-44 N '64.

Characteristics of an equivalent generator for a group of regulated machines. D.P. Leditskii, A.I. Ageev. *Izv. AN SSSR. Energ. i transp.* no. 2:90-100 Mr-Apr '65.

Factors determining the unit power of large capacitive generators. E.A. Lodechukov, V.P. Lukhanchuk, V.A. Kufa. *Elektrotehnika* 35 no. 11:8-11 N '64.

Unipolar generator with liquid metal slip ring. A.I. Bertinov, B.L. Alievskii, V.Kh. Khan. *Elektrotehnika* 36 no. 3:5-9 Mr '65.

## ELECTRIC GENERATORS—TESTING

Effect of heating on the damages of stator windings of hydraulic generators. I.U. Khodzhamirian. *Prom. Arm.* 8 no. 4:58-60 Ap '65.

## ELECTRIC GENERATORS—VIBRATION

Prevention of increased vibration of bearings during the start of generators. V.B. Bellaev, E.A. Veselov. *Elek. sta.* 36 no. 4:76 Ap '65.

## ELECTRIC INDUSTRIES

Financial capitalist groups in the electric industry and electric transportation in Russia during the period of the prewar industrial development and the First World War. V.S. Diakin. *Ist. zap.* 75:170-211 '65.

## ELECTRIC INSTRUMENTS

Electric contact device for measuring small holes. G.S. Simkin, G.IA. Gafanovich. *Izm. tekh.* no. 2:21-23 F '65.

Transducer for measuring the weight of a load on conveyor belt. B.V. Faddeev, K.N. Mamaev, V.S. Volotkovskii. *Izm. tekh.* no. 2:31-33 F '65.

## ELECTRIC INSULATORS AND INSULATION

Calibrated high-voltage body insulation of stator winding sections of electric motors. S.S. Seroukhov. *Blul. tekh. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekh. inform.* 18 no. 5:33-35 My '65.

Determination of the maximum design factor taking into consideration heat breakdown of the insulation of the conductors. Kh.I. Brakmann. *Elektrichestvo* no. 3:70-74 Mr '65.

Discharge voltages of line insulation during switching surges. IA. Vokalek and others. *Elek. sta.* 36 no. 4:55-53 Ap '65.

Electric method of uncovering "through" damage in insulation coatings of operational pipelines. V.I. Glazkov. *Zashch. met.* 1 no. 2:214-223 Mr-Apr '65.

For a maximum utilization of hardwood in the manufacture of electric insulation paper. M.A. Chukanov. *Bum. prom.* no. 3:23-24 Mr '65.

**ELECTRIC INSULATORS AND INSULATION (Continued)**  
 The material on the surface of current conductors in  
 the form of a film. L. I. Poter, M. B. Moiseyev. *Elektro-  
 tekhnika* 13 no 1:20-21 Ap '65.  
 (on the use of power insulators in high-voltage structures)  
 by I. A. Gerasimov. *Elektro* 13 no 1:20-21 Ap '65.  
 The use of insulators in the form of a film. V. V. Puchko.  
*Elektrotehnika* 13 no 3:3-4 Apr '65.  
 The use of insulators in the form of a film. N. D.  
 Kalinin. *Elektrotehnika* 13 no 5:6-7 Apr '65.

**ELECTRIC INSULATORS AND INSULATION—TESTING**  
 On the testing of the insulation of traction motors of  
 electric locomotives. V. Ch. Ozerov. *Elektrotehnika* 13 no 1:17-19 Apr '65.

On the use of insulators in the form of a film. V. V. Puchko.  
*Elektrotehnika* 13 no 3:3-4 Apr '65.

**ELECTRIC LAMPS**  
 Characteristics of filament lamps with an iodine cycle.  
 M. I. Gerasimov. *Elektrotehnika* 13 no 4:41-43 Apr '65.

**ELECTRIC LAMPS—RELIABILITY** see subdivision under  
 M65064

**ELECTRIC LAMPS, FLUORESCENT** see Fluorescent  
 Lamps

**ELECTRIC LIGHT FIXTURES**  
 Light fixtures for dwellings and public buildings. Svetotekhnika 13 no 4:3-4 Apr '65.  
 The use of light fixtures with fluorescent lamps.  
 V. Ch. Ozerov. *Svetotekhnika* 13 no 4:13-16 Apr '65.

**ELECTRIC LIGHT FIXTURES—MAINTENANCE AND  
 REPAIR**  
 Servicing of industrial light fixtures with fluorescent  
 lamps. I. A. Gerasimov, I. A. Zelikson. *Svetotekhnika*  
 13 no 4:24-25 Apr '65.

**ELECTRIC LIGHT FIXTURES—SAFETY MEASURES**  
 The use of enclosed electric motors and light fixtures.  
 Svetotekhnika 13 no 3:3-4 Apr '65.

**ELECTRIC LIGHTING**  
 Dadiyov, M. S. [Control of lighting networks]. *Upravle-  
 niye osvetitel'nymi sistemami*. Moscow, Energiya, 1965.  
 77 p. (Biblioteka elektromontira, no. 159)  
 Photoelectric automatic devices for lighting control. S. A.  
 Klusev. *Svetotekhnika* 13 no 4:27 Apr '65.  
 The use of the pages of foreign periodicals. *Svetotekhnika*  
 13 no 4:31 Apr '65.

**ELECTRIC LINES**  
 Interaction of electromagnetic shock waves in nonlinear  
 transmission lines. L. A. Ostrovskii. *Izv. vuzov. Ucheb-  
 nye zadaniya* 8 no 2:35-39 Apr '65.  
 Mean operating voltages of steel-stranded aluminum  
 wires. O. G. Veksel'man. *Elektricheskoye* no 5:23-30  
 May '65.  
 Precise determination of wave parameters and analysis  
 of error in solving telegraph equations using the ex-  
 ample of a two-wire power transmission line. F. G.  
 Kuznetsov, M. V. Kuznetsov, L. S. Porelman. *Elektri-  
 cheskoye* no 3:15-21 Mar '65.  
 The propagation of electromagnetic waves in multi-  
 conductor transmission lines. Louis de Broglie.  
*Elektricheskoye* no 3:34 Mar '65.  
 Splitting of AS-10, AS-16, AS-35, AS-50, AS-70 and AS-95  
 steel-stranded aluminum wires using a twist method.  
 Svetotekhnika 13 no 4:27 Apr '65.

**ELECTRIC LINES—OVERHEAD**  
 Anastasiev, P. I. and I. A. Frolov. [Construction and  
 erection of 3-10 kv. power transmission lines, erection  
 operations]. *Sooruzheniye i montazh lini 3-10 kv; mon-  
 tazhnye raboty*. Moscow, Energiya, 1965. 47 p. (Biblioteka  
 elektromontira, no. 155)  
 Carrying capacity of electric power transmission lines  
 from electric power plants. V. N. Rozanov, V. I.  
 Lomova. *Elektricheskoye* no 4:76-77 Apr '65.  
 Concerning V. A. Vershkov and E. E. Glebov's article  
 "Choice of climatic design data for 500 kv long-dis-  
 tance power transmission lines." A. L. Kuklinskiy.  
*Elektricheskoye* no 4:37-38 Apr '65.  
 Discharge voltages of line insulation during switching  
 surges. I. A. Vokalek and others. *Elektricheskoye* no 4:  
 35-38 Apr '65.  
 Graphical method for solving the equations of state of a  
 wire in a span. G. Sh. Mendeleevich, V. V. Samarin.  
*Elektricheskoye* no 5:76-78 May '65.  
 Wet discharging of potential insulator chains during  
 internal overvoltages. G. N. Aleksandrov. N. D.  
 Kalinin. *Izv. vuzov. Ucheb. zadaniya*, no. 5:6-12  
 May '65.

**ELECTRIC LINES—POLES AND TOWERS**  
 Tarkhanov, B. I. [Safety manual for workers engaged in  
 the loading and unloading of electric power transmis-  
 sion line supports]. *Pamiatka po tekhnike bezopasnosti  
 dlya rabochikh, zanyatyykh na pogruzke i razgruzke opor  
 vozdukhnykh lini elektropereodachi*. Moscow, Stroiizdat,  
 1965. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

**ELECTRIC LINES—SAFETY MEASURES**  
 Unbalanced voltage in registering voltmeters. A. S.  
 Volyn. *Elektrotehnika* 13 no 1:20-21 Apr '65.

**ELECTRIC LINES—TESTING** see subdivision under  
 Azerbaijan

**ELECTRIC LINES—UNDERGROUND**  
 Lowering of the costs of the protection systems of  
 cable lines from direct lightning strokes. M. I.  
 Mikhailov, S. A. Sokolov. *Elektricheskoye* 19 no 6:60-69  
 June '65.  
 Protection of cables using silica brick. N. N. Belikov.  
*Prom. energ.* 20 no 3:45-46 May '65.  
 Use of the PSh-O-4 loader for digging trenches. A. K.  
 Pakul. *Vest. svyazi* 25 no 2:28 Feb '65.

**ELECTRIC LOCOMOTIVES**  
 Bringing forth the economic advantages of the application  
 of measures for the elimination of the inadmissible  
 overheating of the traction motors of electric loco-  
 motives. G. D. Tsiakariashvili. *Trudy GPI (Gruz.)*  
 no. 7:161-173 '63.  
 Further development of the construction of electric  
 locomotives. B. R. Bondarenko, V. P. Ivanov, S. N.  
 Cherniavskii, Zhel. dor. transp. 47 no 4:43-49 Apr  
 '65.

**ELECTRIC LOCOMOTIVES—BRAKES**  
 Electric series ChS2T passenger locomotive with rheo-  
 static braking (Electric circuits and brief description  
 of their work). V. A. Rukov. *Elektr. i tepl. tiaga* 9  
 no 4:23-25 Apr '65.

**ELECTRIC LOCOMOTIVES—COOLING**  
 Removal of dust from the cooling systems of main line  
 electric locomotives. F. F. Voronkov. *Elektricheskoye*  
 35 no 11:19-20 Nov '61.

**ELECTRIC LOCOMOTIVES—DESIGN AND CONSTRUCTION**  
 Industrial aesthetics in the design of electric loco-  
 motives. B. Kilmaev. *Tekhn. est.* no. 4:32 Apr '65.

**ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT**  
 General theory of transient processes in nonsymmetric  
 induction machinery as applied to asynchronous phase  
 converters of a.c. electric locomotives. G. M.  
 Makharadze. *Trudy GPI (Gruz.)* no. 7:90-98 '63.  
 Losses from current pulsation and the economic advan-  
 tages of smoothing reactors. T. P. Glushkov. *Vest.  
 TSNII MPS* 24 no 1:9-12 Apr '65.  
 Three failures of the equipment of the VL6 electric loco-  
 motive. V. P. Chertanov. *Elektr. i tepl. tiaga* 9 no 4:  
 25-28 Apr '65.  
 What caused the failure of the shaft of the main control-  
 ler? V. E. Ryzhkov. *Elektr. i tepl. tiaga* 9 no 4:28  
 Apr '65.

**ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR**  
 The accident was uncommon, but it calls for serious  
 conclusions. N. G. Gudkov, P. A. Grigorov. *Elektr.  
 i tepl. tiaga* 9 no 4:27 Apr '65.  
 Dampening of the insulation of traction motors of electric  
 locomotives on the repair shops. V. Ch. Ozerovskii.  
*Vest. TSNII MPS* 24 no 1:17-19 Apr '65.

**ELECTRIC LOCOMOTIVES—TRANSMISSION DEVICES**  
 Wear of the bevel gear teeth of electric locomotives.  
 S. I. Proskuriakov. *Vest. TSNII MPS* 24 no 1:13-16  
 Apr '65.

**ELECTRIC MACHINERY**  
 Results of examining the operating condition of electric  
 equipment in chemical plants subject to explosions and  
 fires. Bezop. truda v prom. 9 no 3:60 Mar '65.  
 System of rotor electrodes and current of the main  
 circuit of a capacitive d.c. induction machine. A. A.  
 Balchits. *Elektricheskoye* no 5:63-69 May '65.

**ELECTRIC MACHINERY—ALTERNATING CURRENT**  
 Danilevich, I. A. B., V. V. Dombrovskii, and E. I. Kazov-  
 ski. [Parameters of a.c. machines]. *Parametry  
 elektricheskikh mashin peremennogo toka*. Moscow,  
 Nauka, 1965. 338 p.

**ELECTRIC MACHINERY—COOLING**  
 Thermal design of closed electrical machines with  
 natural cooling. M. N. Dikhtel. *Elektricheskoye*  
 no. 5:71-73 May '65.

**ELECTRIC MACHINERY—DIRECT CURRENT**  
 Determination of the resulting magnetic flux in the air  
 gap of d.c. machines. V. G. Semak. *Elektricheskoye*  
 36 no 2:12-13 Mar '65.

Physics of the slip contact of d.c. machines with all  
 organic insulation. G. N. Tikhonov. *Elektricheskoye*  
 36 no 3:61-64 Mar '65.

**ELECTRIC MACHINERY—MAINTENANCE AND REPAIR**  
 What a collector should be polished with and caused by  
 brush noise. A. S. Vereshchagin, S. A. Murashkin.  
*Elektricheskoye* 13 no 1:28 Apr '65.

**ELECTRIC MACHINERY—RELIABILITY**  
 Some problems of the theory of the reliability of elec-  
 tric systems. A. Z. Zerkovskii. *Elektr. i tepl. tiaga* 9  
 no 4:32-35 Apr '65.

**ELECTRIC MACHINERY—SAFETY MEASURES**  
 Draft of regulations for the operation of electrical  
 machines in premises with explosion hazard. *Prom. energ.*  
 no. 3:41-44 Mar '65.  
 Lightning protection of rotating electrical machines.  
 I. F. Polovoi, I. D. Pechenkin. *Elektricheskoye* 35 no  
 1:1-3 Mar '65.  
 Reply of the authors. V. V. Burghardt, N. V. Muraviev.  
*Elektricheskoye* no. 3:87-88 Mar '65.

**ELECTRIC MACHINERY—WELDING**  
 Examples of metal saving. V. S. Lomskii. *Svar. prozv.*  
 no. 5:35 May '65.

**ELECTRIC MACHINERY—WINDINGS**  
 Choice of the parameters of three-way star-delta  
 circuit loop windings of d.c. machines. V. V. Lomskii,  
 A. A. Lemberg. *Elektricheskoye* 35 no 1:13-14 Mar  
 '65.  
 Selection of the class of heat resistance of the insulation  
 of low-voltage electrical machines. Z. I. Koshchinskii,  
 S. V. Tsukerlik. *Elektricheskoye* 35 no 1:23-27 Mar  
 '65.  
 Some problems of the terminology of the windings of  
 electrical machines. S. A. Lomskii and others.  
*Elektricheskoye* 35 no 1:20-23 Mar '65.

**ELECTRIC MACHINERY, SYNCHRONOUS**  
 Calculation of magnetic field in the working gap of a  
 salient pole synchronous machine. S. I. Koshchinskii.  
*Elektricheskoye* 35 no 1:47-49 Mar '65.  
 Conditions of self-excitation and equivalent representa-  
 tion of a group of similar synchronous machines. M.  
 Tagirov. *Izv. AN SSSR, Inzh. i tekhn.* no. 2:44-49  
 Mar '65.  
 Contactless systems for exciting synchronous machines  
 with silicon rectifier control. A. M. Bakh-  
 raev. *Elektricheskoye* no. 5:102-103 May '65.  
 Electromagnetic moment of a reactive machine. G. G.  
 Baishchevskii. *Elektricheskoye* no. 3:74-76 Mar '65.  
 Selection of the length of solid pole pieces of synchronous  
 motors and distance between the segments of the  
 damper coils. I. N. Koshchinskii. *Elektricheskoye* 35  
 no 5:52 May '65.

**ELECTRIC MEASUREMENTS**  
 The D80 electric measuring pliers. S. Taralen. *Prom.  
 Arm.* 8 no 4:34-35 Apr '65.  
 Device for registering the approximate electric power  
 consumption by industrial electrolyzers. V. L.  
 Zarechnyi, I. I. Bakashov, I. I. Manukha. *Khimiya* no 7,  
 [Ukr.] no. 2:95-98 Apr-June '65.  
 Mutual blocking of transistor trigger circuits by means  
 of a time selection principle. M. N. Shchedin. *Trudy  
 VNIIE* no 16:115-121 '64.

**ELECTRIC MEASUREMENTS—STANDARDS**  
 [Electrical measuring devices]. *Elektricheskoye*  
 pribyor. Izd. Odesk. univ., Odesk., Izd. V. Stankovskiy,  
 1965. 432 p. (SSSR, Gosudarstvennyye standarty)

**ELECTRIC METAL CUTTING**  
 Electric contact machining of grooves. I. A. Morozov,  
 M. K. Rusev, M. S. Sivash. *Mashinostroenie* no. 3:76-77  
 May-June '65.  
 Electrodes for machining metals by electric erosion  
 techniques. G. L. Dubrov, A. V. Mamat. *Mashinostro-  
 eniye* no. 2:43-44 Mar-Apr '65.  
 Machining parts by electric erosion techniques. A. I.  
 Alekseyev. *Mashinostroenie* no. 2:38-42 Mar-Apr '65.  
 Preparation of edges on stainless steel for welding, by  
 air-arc cutting. I. S. Shapko and others. *Svar. prozv.*  
 no 5:22-24 May '65.

**ELECTRIC METAL CUTTING—EQUIPMENT AND SUP-  
 PLIES**  
 Standardization of equipment for gas-electric severance  
 cutting. I. A. Antonov, K. V. Vasil'ov, O. I. Segalov.  
*Svar. prozv.* no. 5:40-41 May '65.

**ELECTRIC METAL CUTTING—PATENTS**  
 Sizov, A. P., and I. A. Konopliannikov. [Electric spark  
 machining of metals: review of foreign patents]. *Elektro-  
 erozionnaya obrabotka metallov oliv inostrannykh  
 patentov*. Moscow, TSentr. nauchno-issl. ts.-i. patentnoi  
 informatsii i tekhniko-ekon. issledovaniy, 1964. 40 p.  
 [MICROFILM]

## ELECTRIC METERS

Errors of d.c. meters with an electrodynamic system. I.A. Ryshkovskii. *Izv. vys. ucheb. zav., energ.* 8 no. 5:98-101. My '65.

Platin, I.U.M. [Design of the electrical components of measuring instruments] *Raschet elektricheskikh elementov izmernoizmeritel'nykh priborov; spravochnoe posobie.* Moskva, Mashinostroyeniye, 1965. 198 p.

## ELECTRIC METERS—TESTING

Power supply for the test equipment of electrical laboratories. A.A. Kuznetsov, G.N. Maksimov. *Prom. energ.* 20 no. 6:19-20. Je '65.

## ELECTRIC MOTORS

Dynamics of an oscillator - rotor system. V.M. Bol'shakov and others. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:359-371. '65.

Trushkin, A.V. [Electric motors and starters used in geological prospecting] *Elektrodvigateli i puskovaya apparatura, ispol'zuyemye na geologorazvedochnykh rabotakh.* Moskva, Nedra, 1965. 68 p.

Semiautomatic machine for the assembly of segment packs of the rotors of DKHM electric motors. V.A. Nivgorodtsev, L.I. Orlich. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 4:36-38. Ap '65.

## ELECTRIC MOTORS—CURRENT SUPPLY

Change in the power supply network of an SD-69M electric motor. S.P. Blinovskikh. *Prom. energ.* 20 no. 6:18-19. Je '65.

## ELECTRIC MOTORS—DIRECT CURRENT

Design of the magnetic circuit of a motor with printed winding. B.K. Karpenko, I.G. Ivanova. *Elektrichestvo* no. 3:48-52. Mr '65.

## ELECTRIC MOTORS—PARTS

Automation of the technological process of manufacturing stator plate sections for micromotors and electric motors of the new unified series. I.E. Gol'dberg, V.I. Stadnichenko, N.I. Leusenko. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5:30-33. My '65.

## ELECTRIC MOTORS—SAFETY MEASURES

Use of mercury-type transducers in heat protection systems of electric motors. V.A. Ambat'sunian, V.G. Fendolov, G.I. Meitin. *Prom. energ.* 20 no. 6:13-15. Je '65.

Wider use of enclosed electric motors and light fixtures; decision No. 36-30 of January 22, 1955. *Prom. energ.* 20 no. 3:41-45. Mr '65.

## ELECTRIC MOTORS—WINDINGS

Replacement of copper windings with aluminum ones in low power motors. M.I.A. Khiterer. *Elektrotehnika* 36 no. 3:13-14. Mi '65.

## ELECTRIC MOTORS, INDUCTION

Calculation of the magnetic fields of an asynchronous motor taking into account the toothed structure of the stator and rotor. S.P. Pecheritsa. *Elektrichestvo* no. 3:66-70. Mr '65.

Calculation of the trigger resistors of the rotor of an asynchronous motor. N.F. Bel'diman. *Elektrotehnika* 36 no. 3:44-47. Mi '65.

Concerning V.P. Shafranov's article "Use of asynchronous motors." P.A. Iasinskii. *Energetik* 13 no. 2:17. F '65.

Construction of a circle diagram of an asynchronous motor using catalog data. B.V. Kuznetsov. *Izv. vys. ucheb. zav., energ.* 8 no. 5:35-40. My '65.

Dynamics of the machine-rectifier stage. P.M. Movshovich. *Nauch.-issl. trudy VNIIETKMASha* no. 11:32-38. '64.

Effect of voltage quality on the insulation life of asynchronous motors. I.A. Konukhova. *Prom. energ.* 20 no. 6:9-13. Je '65.

Heating of the asynchronous motors of sinking pumps. G.G. Rokus, A.I. Belousov. *Elektrichestvo* no. 3:82-86. Mr '65.

Krasik, P.IU., and E.D. Nisegoverova. [Regulated squirrel-cage induction motors in automatic control systems] *Upravleniye asinkhronnyye dvigateli s bol'shoi kletkoi na rotore v sistemakh avtomatiki.* Moskva, Energiya, 1965. 198 p.

Operation of low-power asynchronous motors. I.A. Rolz, L.K. Ternov-Trop. *Energetik* 13 no. 4:21-22. Ap '65.

Replacing the RD-47 motor with the RD-69 motor. V.I. Romanov. *Priborostroyeniye* no. 5:29-30. My '65.

Special features in the design of large explosionproof short-circuited asynchronous motors. M.E. Povolotskii, V.F. Gorlagin, S.D. Brovkin. *Elektrotehnika* 35 no. 11:52-54. N '64.

Study of heat distribution in the rotors of asynchronous motors with squirrel-cage rotors. A.I. Iakovlev. *Elektrichestvo* no. 3:42-48. Mr '65.

Use of a speed voltage generator with a ring armature for the experimental determination of the mechanical characteristics of an asynchronous motor. S.V. Tiplkin. *Izv. vys. ucheb. zav., energ.* 8 no. 5:30-34. My '65.

## ELECTRIC MOTORS, SYNCHRONOUS

Compensation of rotor oscillations of a synchronous motor fed from a rectifier converter. V.P. Kononov and others. *Izv. AN SSSR, Energ. i transp.* no. 2:123-128. Mi-Ap '65.

Device for the experimental study of synchronous micro-motors. V.A. Lifanov, V.F. Shemakin. *Elektrotehnika* 36 no. 3:42-43. Mi '65.

Self-start of asynchronous motors during the operation of a group switch in a dual automatic reclosing cycle. S.V. Dikmarov. *Prom. energ.* 20 no. 3:15-16. Mr '65.

Study of the operational stability of synchronous motors with asynchronous system operation. I.U. Gurevich, A.A. Khachaturov. *Elektrichestvo* no. 3:36-41. Mr '65.

## ELECTRIC MOTORS, SYNCHRONOUS—CURRENT SUPPLY

Dependence of the reactive power of a synchronous motor on the network voltage. V.A. Troshin. *Izv. vys. ucheb. zav., energ.* 8 no. 5:104-108. My '65.

Special features of the operation of a low power synchronous motor fed by a transistorized inverter with regulated frequency. O.A. Kossov, V.V. Tsukanov. *Elektrotehnika* 35 no. 11:57-59. N '64.

## ELECTRIC NETWORKS

Characteristics of an equivalent generator for a group of regulated machines. D.P. Ledtanski, A.I. Ageev. *Izv. AN SSSR, Energ. i transp.* no. 2:90-100. Mr-Ap '65.

Determination of the parameters of the cascade of single four-terminal networks. Kh. I. Cherne. *Elektrosвязi* 19 no. 4:75-77. Ap '65.

Khevisaidze universal formula. O.M. Bogatyrev. *Elektrichestvo* no. 3:88. Mi '65.

Method for the simultaneous calculation of closed-loop electrical networks with several nominal voltages. N.A. Mel'nikov, E.S. Polotskaya. *Izv. AN SSSR, Energ. i transp.* no. 2:112-118. Mr-Ap '65.

Modeling of nonlinear processes in R.L. circuits switched to d.c. R.G. Savchenko. *Izv. AN SSSR, Energ. i transp.* no. 2:60-75. Mr-Ap '65.

Possibility of replacing networks with mutual inductance with equivalent ones without mutual inductance. L.M. Vainshtein, N.A. Mel'nikov. *Elektrichestvo* no. 5:16-18. My '65.

Simplifying transformations of equivalent circuits of complex electrical systems. L.A. Zhukov. *Izv. AN SSSR, Energ. i transp.* no. 2:76-83. Mr-Ap '65.

Study of processes in linear systems using Fourier series and theorems of the convolution of periodic functions. V.G. Osipenko. *Elektrosвязi* 19 no. 6:42-50. Je '65.

Use of characteristic functions in the calculation and study of the operation of electrical networks. I.U.S. Kraschik. *Elektrichestvo* no. 5:16-23. My '65.

## ELECTRIC NETWORKS—RELIABILITY

Analysis of network reliability. A.K. Kelmans. *Avtom. i telemek.* 26 no. 3:567-574. Mr '65.

## ELECTRIC NETWORKS—TESTING

Improvement of preventive maintenance test methods in cable networks. G.M. Shalyt. *Trudy VNIIE* no. 18:99-114. '61.

ELECTRIC OIL WELL DRILLING see Oil well drilling, Electric

ELECTRIC OSCILLATORS see Oscillators, Electric

## ELECTRIC POWER

Make efficient use of electric power. Zhil.-koms. khoz. 15 no. 1:26. Ja '65.

## ELECTRIC POWER DISTRIBUTION

(see also subdivision under Magnitogorsk)  
Analog computer for studying electromechanical transients in electric power system. L.M. Gorbunova and others. *Elektrichestvo* no. 5:1-8. My '65.

Author's reply to remarks on the article "Technical and economic effectiveness of overall automation and remote control in electrical power distribution networks." N.S. Shablin. *Elek. sta.* 36 no. 4:81-83. Ap '65.

Calculation of voltage unbalance "weighed" in accordance to power. N.I. Bilik. *Elektrichestvo* no. 3:80-83. Mr '65.

Carrying capacity of electric power transmission lines from electric power plants. M.N. Rozhnov, V.I. Lenina. *Elek. sta.* 36 no. 4:76-77. Ap '65.

Construction and dynamics of frequency and power control systems. L.D. Sterninson. *Izv. AN SSSR, Energ. i transp.* no. 2:50-61. Mr-Ap '65.

Decision No. E-2/63 of January 4, 1965 introducing changes and clarifications in the 1961 edition of "Regulations for the installation of electrical systems." *Prom. energ.* 20 no. 6:42-48. Je '65.

Determination of losses due to disruption of electric power supply. I.A. TSirel'. *Prom. energ.* 20 no. 6:24-27. Je '65.

Effect of nonarithmetic and intermediate load impacts on the stability of intersystem couplings. L.A. Zhukov, V.I. Zotov. *Elektrichestvo* no. 5:7-12. My '65.

Efficiency of complex electrification. V.N. Davydov. *Zh. el. i transp.* 47 no. 5:57-61. My '65.

"Electromagnetic transients in electrical system" by S.A. Ul'ianov. Reviewed by L.G. Mamikonians. *Elektrichestvo* no. 3:93-94. Mr '65.

Enclosed 154 kv power distribution system of the Kakhovka Hydroelectric Power Station. V.P. Bimberg. *Elek. sta.* 36 no. 4:79-80. Ap '65.

Installation of subfoundation-type grounding systems. I.A. TSuev'. *Elek. sta.* 36 no. 4:63-67. Ap '65.

Losses due to disruption of electric power supply. L.M. Zel'tsburg. *Prom. energ.* 20 no. 6:27-29. Je '65.

Measures for maintaining optimum voltage levels. A.A. Ermilov. *Prom. energ.* 20 no. 6:46-47. Je '65.

Problems of the organization of the operation of electrical systems in industrial enterprises. B.A. Konstantinov. *Prom. energ.* 20 no. 3:8-12. Mr '65.

Reply to D.S. Livshits's remarks on the discussion on the methodology for determining the loads of industrial electrical distribution networks of plants. S.D. Volobrinskii, G.M. Kalalev, P.N. Klein. *Elektrichestvo* no. 5:88-89. My '65.

Study conference on voltage regulation in the electrical networks of industrial enterprises. B.I. Goidenbit. *Prom. energ.* 20 no. 6:47-48. Je '65.

Study of the control stability of power plant machines in consolidated electrical systems. G.P. Kuminshvili. *Trudy VNIIE* no. 18:128-136. '64.

Use of dual networks for calculating short-circuit to ground currents. V.A. Satarov. *Elektrichestvo* no. 5:12-15. My '65.

Use of mathematical modeling techniques in the comparison of composite and separate power distribution networks. I.U.A. Kuznetsov, A.S. Nekrasov, A.P. Nikonov. *Elek. sta.* 36 no. 4:86-87. Ap '65.

## ELECTRIC POWER DISTRIBUTION—HANDBOOKS, MANUALS, ETC.

Russia (1923- U.S.S.R.) *Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii.* [Aid for studying engineering regulations governing the operation of electric power plants and networks] *Posobie dlia izucheniia pravil tekhnicheskoi eksploatatsii elektricheskikh stantsii i setei.* Izd. 2., pere-smotrennoe. Moskva, Energiya, 1965. 551 p.

## ELECTRIC POWER DISTRIBUTION—HIGH TENSION

Basic problems of high-voltages in power engineering, electrical engineering, and physics. M.V. Kostenko. *Izv. AN SSSR, Energ. i transp.* no. 2:12-31. Mr-Ap '65.

Concerning V.A. Vershkov and E.E. Glebov's article "Choice of climatic design data for 300 kv. long-distance power transmission lines." A.L. Kupitskii. *Elek. sta.* 36 no. 4:87-88. Ap '65.

Problems of power systems with large electric current converters. L.R. Neiman. *Izv. AN SSSR, Energ. i transp.* no. 2:3-11. Mr-Ap '65.

## ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Cherkasov, V.N. [Fire prevention in electrical systems in rural areas] *Pozharnaya profilaktika elektronnovok v sel'skoi meznosti.* Izd. 2., perer. i dop. Moskva, Stroizdat, 1964. 142 p.

Diagrams of regulations for the operation of electrical systems in premises with explosion hazards. *Prom. energ.* 20 no. 3:43-44. Mr '65.

Features of using automatic reclosing with retention of synchronism. L.D. Zel'dzon. *Elek. sta.* 36 no. 4:68-71. Ap '65.

## ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Effective instructions on overvoltage protection of 3-500 kv. a.c. systems. *Elek. sta.* 36 no. 4:94-96. Ap '65.

## ELECTRIC POWER PLANTS

Complex high-speed short-circuit protective relay of the main networks of electric power stations and substations. V.F. Polakov, V.I. Skutelnikov. *Izv. vys. ucheb. zav., energ.* 8 no. 5:1-5. My '65.

Effectiveness of capital investments and use of new equipment in power engineering. A.I. Drobyshev. *Elek. sta.* 36 no. 4:2-7. Ap '65.

Experience in the operation of a hydraulic ash removal system. I.U. A. Kirilov. *Energetik* 13 no. 2:5-7. F '65.

Special features and operational methods of a volunteer design bureau and economic analysis in electric power plants. A.A. Zaika. *Elek. sta.* 36 no. 4:43-45. Ap '65.

Twenty-fifth anniversary of the Department of Automatic and Remote Control and Start Regulating Operations. *Elek. sta.* 36 no. 4:101. Ap '65.

Universal standard project of the main building of an industrial heat and electric power plant. I.U. L. Ketsell, V.P. Koryntkov. *Energetik* 13 no. 4:15-18. Ap '65.

## ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Effect of flow approach conditions to the rotor wheel on the form of the H-Q pressure characteristic of feed pump stages S A Goryudzharian Trudy LPI no 246 39-45 '65

New highly heat-resistant perlite steels used in the manufacture of electric power plant equipment I L Mirkin L P Trussov Izv vys ucheb zav , mashinost. no 3 119-124 '65

## ELECTRIC POWER PLANTS—FIRES AND FIRE PREVENTION

Cherkasov, V.N. [Fire prevention in electrical systems in rural areas] Pozharnaya profilaktika elektrostanoov v sel'skoi mestnosti. Izd. 2, perer i dop Moskva, Stroizdat, 1964. 142 p.

## ELECTRIC POWER PLANTS—HANDBOOKS, MANUALS, ETC.

Russia (1923- U.S.S.R.) Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii. [Aid for studying engineering regulations governing the operation of electric power plants and networks] Posobie dlia izucheniia pravil tekhnicheskoi eksploatatsii elektricheskikh stantsii i setei. Izd. 2, pere-smotrennoe. Moskva, Energiia, 1965. 551 p.

## ELECTRIC POWER PLANTS—TECHNOLOGICAL INNOVATIONS see subdivision under Ukraine

## ELECTRIC POWER PLANTS—WATER SUPPLY

Technological and hydrobiological characteristics of water cooling reservoirs of the thermal electric power stations, B.A. Shimanovskii Gidrobiol. zhur. 1 no. 2 22-26 '65.

## ELECTRIC POWER PRODUCTION

Calculational relationship between consumer loads and heating loads in the solution of problems in centralized control of central heating systems B M Krasovskii, V.D. Glushkov Elek sta. 36 no. 4 42-43 Ap '65  
Equalization of the load graphs of electric power systems, G.V. Serbinovskii Prom. energ. 20 no. 6 37-42 Je '65

## ELECTRIC POWER SUPPLY TO APPARATUS

Characteristics of electric motors for motion-picture equipment with current supply from transistorized current converters E I Ushshkin, E.L. Rossovskii, Tekh. kino i telev. 9 no. 3 19-24 Mr '65  
Power supply for the test equipment of electrical laboratories A A Kurochkin, G.N. Maksimov Prom. energ. 20 no. 8 19-20 Je '65

## ELECTRIC PROSPECTING

(see also subdivision under Tatar A.S.S.R.)  
Distribution of natural electric field on the earth's surface depending on the mineral composition of ore bodies I M Urazayev Izv. Kazan fil. AN SSSR Ser. geol. nauk no 10 102-106 '63  
Method for using calculation data for the graphic interpretation of the curves of electric sounding, V.Kh. Frolov, Geol. i geofiz. no 3 132-140 '65  
Possibility of evaluating the specific resistance of the rocks of a crystalline basement in the presence of the effect of infinite resistance B A Gaman Geofiz. sbor. no 9 88-90 '64

## ELECTRIC PROTECTION

Complex high-speed short-circuit protective relay of the main networks of electric power stations and substations V E Poljakov, V I Skutelnikov, Izv. vys. ucheb. zav., energ. 8 no. 5 1-5 My '65  
Contactless relay of active back current, V.I. Grinshtein, IU. IA. Llameta, G.P. Poljakov, Elektrotekhnika 36 no. 3 29-30 Mr '65  
Effective instructions on overvoltage protection of 3-500 kv. a.c. systems Elek sta. 36 no. 4 94-96 Ap '65  
Features of using automatic reclosing with retention of synchronism, E.D. Zeldzon Elek sta. 36 no. 4: 68-71 Ap '65  
New relays and protection units, Energetik 13 no. 2 30-31 F '65

ACHINERY see Pumping

see subdivision under

ING TRANSPORT see

Use of electronic current commutation in full-wave rectifier circuits with zero output B.A. Motolkina, Elektrotekhnika 36 no. 3 15-17 Mr '65

## ELECTRIC RAILROADS—ELECTRIC EQUIPMENT

New design of a reversing switch for electric rolling stock and diesel locomotives, E.B. Kheifits and others, Elektrotekhnika 36 no. 11 11-12 N '64  
Review of B.P. Petrov and A.D. Stepanov's book "Electrical equipment and automation of electric rolling stock" K.G. Kuchma, N.G. Vasin Elektricheskoe no. 5 95-96 My '65

## ELECTRIC RAILROADS—SAFETY MEASURES

Some characteristics of the grounding of electric power supply systems N.L. Fuks Elek i tepl. tsiaga 9 no. 4 15-16 Ap '65

## ELECTRIC RAILROADS—SUBSTATIONS

Economic efficiency of automatic voltage regulation S.A. Obukhov Vest. TSNII MPS 24 no. 1 59-60 '65  
Efficient circuit of excitation and ignition for the ARMV-750xSP rectifier B.N. Remennikov Elek i tepl. tsiaga 9 no. 4 13-15 Ap '65

## ELECTRIC RAILROADS—WIRES AND WIRING

Increasing the service life of overhead trolley wires, I.A. Segal, Zhel. dor. transp. 47 no. 4 84-86 Ap '65  
Some characteristics of the mechanical calculation of composite wires, L.P. Pichkhadze, Trudy GPI [Gruz.] no. 7 175-178 '63

## ELECTRIC RAILWAY MOTORS—SAFETY MEASURES

Calculation of the working resistance of the valve commutation discharger V.D. Radchenko, I.I. Rykov, A.V. Farafonov, Vest. TSNII MPS 24 no. 1 5-8 '65

## ELECTRIC RELAYS

Contactless relay of active back current, V.I. Grinshtein, IU. IA. Llameta, G.P. Poljakov Elektrotekhnika 36 no. 3 29-30 Mr '65  
Effectiveness of reverse operation counter relays on 35 and 110 kv. transformers IA.D. Baikan Elek sta. 36 no. 4 83-88 Ap '65  
Increasing the delay of a transistorized time relay, V.IA. Smelnikov, A.K. Slavinskii Priborostroenie no. 5 8-11 My '65  
New relays and protection units, Energetik 13 no. 2: 30-31 F '65

## ELECTRIC RELAYS—HANDBOOKS, MANUALS, ETC.

Smirnov, A.D., ed. [Electrical engineering handbook in two volumes] Spravochnik elektrotekhnika v dvukh tomakh, Pod obshch. red. A.D. Smirnova, Moskva, Energiia, Vol. 2, No. 3, [Protection and automatic control relays] Rele zashchity i avtomatiki, 1965, 240 p.

## ELECTRIC RESISTORS

Thermal calculation of resistors operating in a short-term mode S.P. Kravtsov, K.A. Polnitskii Elektrotekhnika 36 no. 3 47-49 Mr '65

## ELECTRIC RESONATORS

Quality factor of a spherical resonator, R.S. Kuznetsov, Zhur. tekhn. fiz. 35 no. 3 465-469 Mr '65

## ELECTRIC SUBSTATIONS

Complex high-speed short-circuit protective relay of the main networks of electric power stations and substations V E Poljakov, V I Skutelnikov, Izv. vys. ucheb. zav., energ. 8 no. 5 1-5 My '65  
Control and automatic protection circuits of 110/35/6 kv. substations IU.S. Iankelovich Energetik 13 no. 2: 18-19 F '65  
Selection of bus lines for small substations, B.I. Solovov, Energetik 13 no. 4 19-20 Ap '65

## ELECTRIC SUBSTATIONS—ELECTRIC EQUIPMENT

Concerning the article "New method for operating storage batteries in electric power plants and substations" by D.A. Fuks and others, M.N. Snarutdinov, Energetik 13 no. 2 17 F '65

## ELECTRIC SWITCHGEAR

Brush-type band microswitches, V. Garasimenko, Radio no. 3 30-31 Mr '65  
Choice of selenium devices for supplying power to switch drives, L.B. Dovzhik, V.M. Egorov, Elek. sta. 36 no. 4 53-55 Ap '65  
Introducing current supply circuits for the FS-10M electromagnetic drives of the VMG-133 high-voltage low-oil switches, L.B. Dovzhik, V.M. Egorov, Blui, tekhn., ekon., inform., Gos. nauch., iissl. inst. nauch. i tekhn. inform. 18 no. 4 39-41 Ap '65

Mishustina, L.I. [A3100-series automatic switches]

Avtomaticheskie vykluchatel'i serii A3100, Izd. 2, Moskva, Energiia, 1965, 48 p. (Biblioteka elektromontera, no. 156)

New design of a reversing switch for electric rolling stock and diesel locomotives, E.B. Kheifits and others, Elektrotekhnika 36 no. 11 11-12 N '64

Noncontact end switch, G.S. Pozdnyakov, Prib. i tekhn. nov. Mekh. i avtom. priro. 19 no. 1 30 N '65

Popov, N.A. [Vacuum switches, their present status and perspective development] Vakuumpnye svyaznye i sostoiashie i perspektivy razvitiia, M. Energiia, 1965, 111 p.

Self-start of asynchronous motor during the closing of a group switch in a dual automatic switch, G.V. Dikmanov, Prom. energ. 20 no. 3 15-16 Je '65

Study of stresses and displacements in the contact of automatic switches during short circuits N.Ye. K.K. Namtakov, V.V. Nemov, Elektrotekhnika 36 no. 3 31-33 Mr '65

## ELECTRIC TRANSFORMERS

Design of welding transformers with magnetic partial spread of the winding, Ia.I. Lapshin, Ia.I. Zaka, Elektrotekhnika 36 no. 11 10-12 N '64

Effect of temperature of the electrical steel on the moist transformer oil, V.V. Yankovskii, Izv. vys. ucheb. zav., energ. 13 no. 4 25-27 Ap '65

Effectiveness of reverse operation counter relays on 35 and 110 kv. transformers, IA.D. Baikan Elek sta. 36 no. 4 83-86 Ap '65

External moisture exchange in power transformer expanders V.V. Puchkovskii, Izv. vys. ucheb. zav., energ. 8 no. 5 13-20 My '65

Methods for measuring 10% multiplication of transformer, I.N. Matukovich, Elektrotekhnika 36 no. 1 40-43 Mr '65

Simplification of the calculation of power transformer load control of shop transformers, B.I. Meshol', Prom. energ. 20 no. 3 29-30 Je '65

## ELECTRIC TRANSFORMERS—SAFETY MEASURES

Increase of the sensitivity of the differential protection systems of transformer, A.D. Puchkovskii, Elek. sta. 36 no. 4 71-75 Ap '65

## ELECTRIC TRANSFORMERS—TESTING

Heating of power transformers with rectified current, A.M. Rytin, V.I. Nikonov, I.A. Vukobratov, Energetik 13 no. 4 23-24 Ap '65  
Oscillations in transformer windings caused by the down in the longitudinal insulation during the testing, G.I.A. Smel'nikov, Elektrotekhnika 36 no. 1 10-12 N '64

Selection of defect registering circuits for tests of transformer, G.I.A. Smel'nikov, Elek. sta. 36 no. 3 27-30 Mr '65

## ELECTRIC TRANSFORMERS—WINDINGS

Dispersion inductance of windings on different forms of cores, M.A. Mikhukovskii, Elektrotekhnika 36 no. 3 52-54 Mr '65

## ELECTRIC WELDING

Automatic welding of aluminum under external pressure, D.S. Karsov and others, Svar. proizvod. no. 2 21 Ap '65

Automatic welding with a three-phase arc of the Al-Mg alloy in assembly operations, A.A. Kuznetsov and others, Svar. proizvod. no. 5 20-21 My '64

Characteristics of the structure of the metal deposited during electron beam welding, N.A. Gushchina, A.V. Zaitseva, Avtom. svar. 18 no. 3 23-25 Mr '64  
Condenser discharge welding of aluminum and alloyed aluminum conductors, G.N. Brontovskii, V.A. Nizovskii, Avtom. svar. 18 no. 5 53-54 My '60

Dependence of the structure of crystals in a welded technological parameters of welding conditions, S.I. Sidoruk, Svar. proizvod. no. 5 11-13 My '65

Distribution of temperature during weaving arc welding, M.V. Avdeev, N.A. Ryzhkov, Svar. proizvod. no. 4 10-10 Ap '65

Economic efficiency of open arc welding at a distance, I.G. Fokanov, Avtom. svar. 18 no. 5 59-62 My '60

Electric slag welding of the VT10 (Hannu) alloy, I.I. Kompan, Avtom. svar. 18 no. 4 50-52 Ap '65

Hydrogen in the welding bath and polarity of the welding of aluminum under flux, B.M. Harkov, Q.M. Grigorovskii, Avtom. svar. 18 no. 4 48-50 Mr '65

Introducing automatic submerged-arc welding compensators for gas-turbine units, M.M. Pukh, Blui, tekhn., ekon., inform., Gos. nauch., iissl. inst. nauch. i tekhn. inform. 18 no. 5 24-25 My '65

Introducing carbon-dioxide shielded arc welding in Ordzhonikidze Plant in Podolsk, M.R. Nikitina, Blui, tekhn., ekon., inform., Gos. nauch., iissl. inst. nauch. i tekhn. inform. 18 no. 4 21-24 Ap '65

Pichalevskii, V.V. [Fluxes for automatic welding, a welder's library] Fluxy dlia avtomaticheskoi svarki: vanna; biblioteka zavarnyika, Kyiv, Dorozhnik, 1963, 117 p.

Preparation of edges on stainless steel for welding by air-arc cutting, I.S. Shapiro and others, Svar. proizvod. no. 5 22-24 My '65

## ELECTRIC WELDING (Continued)

- Resistance welding of thin walled aluminum and copper tubes. V. L. Vengrinovich and others. Svar. proizv. no. 4:31-32 Ap '65.
- Spot welding over glue of structural elements. B. B. Rubanovich, A. A. Itskovich, V. A. Siniakovskii. Svar. proizv. no. 4:22-25 Ap '65.
- Stabilization of electron beam welding conditions. N. V. Podola and others. Avtom. svar. 18 no. 1:23-27 Ap '65.
- Substantiating the parameters for conditions of automatic welding under flux of butt joints with gaps. V. P. Donchenko. Svar. proizv. no. 5:25-28 My '65.
- Technology of electric slag welding of petroleum refining and chemical apparatus without normalization. A. M. Makara and others. Avtom. svar. 18 no. 5: 11-16 My '65.
- Using weaving arc hard facing. I. R. Patskevich. Avtom. svar. 18 no. 1:28-33 Ap '65.
- Welding under flux of 40x50mm copper rings. A. V. Petshauer, V. A. Mallian, I. M. Korenluk. Svar. proizv. no. 5:35-36 My '65.

## ELECTRIC WELDING—CONGRESSES

- Annual report of Commission XII of the International Welding Institute. Avtom. svar. 18 no. 5:78 My '65.
- Conference on improving the quality and raising the level of mechanization in welding operations. E. D. Kafitin. Avtom. svar. 18 no. 4:78-79 Ap '65.
- Conference on the manufacture of electrodes for resistance welding machines. N. A. Zhuravleva. Svar. proizv. no. 5:46 My '65.
- In the coordinating council on welding. I. A. Fedorchenko. Avtom. svar. 18 no. 1:78 Ap '65.
- Second all-Union conference on the welding of dissimilar metals. V. P. Riadov. Avtom. svar. 18 no. 1:79-80 Ap '65.

## ELECTRIC WELDING—COSTS

- Methods of the economic evaluation of the efficiency of modern welding processes. I. U. A. Nevestaev. Svar. proizv. no. 5:18-20 My '65.

## ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

- Berezkin, P. N., ed. [Mechanization and automation in welding, practices of Ural plants] Mekhanizatsiia i avtomatizatsiia svarochnogo proizvodstva, opyt uralskikh zavodov. Moskva, Mashinostroenie, 1965, 155 p.
- Calculated method of determining the method of electrode coatings for arc welding. I. N. Vornovitskii, A. G. Mazel', N. P. Sbarskaya. Svar. proizv. no. 4:10-12 Ap '65.
- Calculation of effective electric current values and power factors of electric welding machines with ignition breakers. A. P. Gul'denbal'k. Avtom. svar. 18 no. 4:38-41 Ap '65.
- Chromium bronze for electrodes of resistance welding machines. S. K. Shozberg and others. Avtom. svar. 18 no. 6:32-34 My '65.
- Control of metal transfer during arc welding with a consumable electrode. B. D. Paton, T. P. Sheiko. Avtom. svar. 18 no. 5:1-7 My '65.
- Deformation during mechanized welding with an alloyed wire. A. E. Asplai, G. A. Ivanishchenko. Avtom. svar. 18 no. 4:73 Ap '65.
- Duration of the interaction of the liquid electrode metal with slag and gases during welding. I. K. Pokhodnia, A. E. Marchenko, B. A. Kostenko. Avtom. svar. 18 no. 5:8-10 My '65.
- Electric welding equipment for repairing machines in the field. I. Karosaa, M. Paramonov. Tekh. v sel'khoz. 25 no. 5:88-89 My '65.
- Improving the design of a portable, rail-welding machine. M. I. Bolkov. Avtom. svar. 18 no. 4:62-63 Ap '65.
- Increasing the efficiency of hydraulic accumulators of butt welding machines. E. I. Shninov, A. M. Malakhov. Avtom. svar. 18 no. 5:51-52 My '65.
- Method of determining the production volume of electric welding equipment. I. U. A. Fedorov. Avtom. svar. 18 no. 5:68-69 My '65.
- Modernizing the electric circuit of the R-812 automatic welder. A. A. Kotariia, G. M. Ananishvili. Svar. proizv. no. 5:37-38 My '65.
- The OSN-12 automatic welder for welding girth joints. A. A. Chubukov and others. Svar. proizv. no. 4:37-38 Ap '65.
- Portable machine for the welding of rails on the track. S. I. Kuchuk-Issenko, S. A. Solodovnikov, S. M. Kozlov. Avtom. svar. 18 no. 1:59-61 Ap '65.
- Possibilities of using induction built welding of pipes in construction. V. N. Bogdanov. Mont. i speis. rab. v stroit. 25 no. 7:6-9 Ji '63.
- Resistance seam welding of copper screens and foil. B. N. Nekrasov, G. I. Zlobin. Avtom. svar. 18 no. 4: 84-86 Ap '65.
- Universal swivel-type welding head. V. A. Shcherbalykh. Svar. proizv. no. 5:36 My '65.
- Using the K-155 and K-255 machines for welding rails at track skeleton assembly points. T. G. Bul'ba. Avtom. svar. 18 no. 5:49-50 My '65.

- Welding objects made of the AMg5B alloy on the MTP-75 machine with a voltage booster. N. P. Korolev, V. E. Lebedev. Svar. proizv. no. 4:36-37 Ap '65.
- Welding with a small diameter powder wire. M. G. Kaashchuk. Svar. proizv. no. 4:34-35 Ap '65.

## ELECTRIC WIRE, INSULATED

- Determination of the maximum design factor taking into consideration heat breakdown of the insulation of the conductors. Kh. I. Brakmann. Elektrichestvo no. 3 70-74 Mr '65.

## ELECTRIC WIRE AND CABLE INDUSTRY see subdivision under Moscow

## ELECTRICIANS

- Classification of electricians. A. I. Smirnov. Energetik 13 no. 2:28 F '65.

## ELECTRICITY—EFFECT ON SEEDS see Seeds, Effect of electricity on

## ELECTRICITY—PHYSIOLOGICAL EFFECT

- Effect of strychnine on the rhythmic activity of the bioelectrical reflex arc. S. D. Kovtun, E. I. Shlyko. Fiziol. zhur. 51 no. 6:881-885 Je '65.
- Study of the special features of electrical conductivity of the human body. B. A. Konstantinov. Elektrichestvo no. 5:84-85 My '65.

## ELECTRICITY, INJURIES FROM

- New instructions on rendering first aid and injuries from electric current. K. K. Chernov. Prom. energ. 20 no. 3:45 Mi '65.
- Progressive spinal syndrome in electric trauma. P. Ovcharova, K. Tsvetanova. Zhur. nevrol. i psikh. 65 no. 6:848-851 '65.
- Study of the special features of electrical conductivity of the human body. B. A. Konstantinov. Elektrichestvo no. 5:84 My '65.

## ELECTRICITY IN AGRICULTURE

- Electrification of farm production. I. Budzko, S. Sheburov. NTO 7 no. 5:11-11 My '65.
- Prospects for the use of semiconductor in agriculture. S. A. Nacharian. Zap. Len. sel'khoz. inst. 85:319-325 '61.

## ELECTRICITY IN MINING

- Bariev, N. V., [Protective ground for electric mine equipment] Zashchitnoe zamezhenie shakhtnogo elektro-oborudovaniia. Moskva, Nedra, 1965, 73 p.
- Greiskukh, M. V., and L. N. Kalovol. [Electric power supply for coal and ore mines] Elektrifikatsiia ugol'nykh i rudnykh shakht. Moskva, Nedra, 1965, 359 p.

## ELECTRICITY IN PETROLEUM ENGINEERING

- Standardization of the expenditure of fuel and thermal energy in petroleum refineries. E. A. Shapiro. Prom. energ. 20 no. 3:2-6 Mr '65.
- ELECTRICITY ON SHIPS
- Causes of the breakdown of the generator no. 1 on the "Archangel" class ships. B. Chirkh. Mor. flot 25 no. 4:23-24 Ap '65.
- [Electrical engineering and electrical equipment of ships] Elektrifikatsiia i elektrooborudovanie sudov. [Dy] M. B. Bernshtein i dr. Moskva, Transport, 1964, 504 p.
- Increasing the serviceability of electrical equipment. K. V. Nedelkov. Mor. abor. 48 no. 5:84-87 My '65.
- Shaplov, V. M., [Safety measures in operating the electric equipment of ships] Tekhnika bezopasnosti pri ekspluatatsii elektrooborudovaniia sudov, Pod red. G. M. Nikitina. Moskva, Transport, 1965, 50 p.

## ELECTRIFICATION

- According to Lenin's plans. V. I. U. Steklod. Energetik 13 no. 4:11-5 Ap '65.
- New progressive methods in everyday life at the pavilion "Electrification of the U.S.S.R." of the Exhibition of the Achievements of the National Economy of the U.S.S.R., V. N. Borovitskii. Energetik 13 no. 4:20-30 Ap '65.
- Raising the frequency of a.c. and determination of its optimum value for long-range electrification of the U.S.S.R. M. D. Gorenshstein. Elektrichestvo no. 3: 81-84 My '65.
- Special features of the present-day stage of electrification of the U.S.S.R., 1956-1964. D. Z. Sobolev. Vop. ist. 40 no. 7:200-204 Ji '65.

## ELECTROCAPILLARY PHENOMENA

- Electrocapillary curves of indium amalgams. N. S. Polianovskaya, A. N. Frumkin. Elektrokhimiia 1 no. 5: 530-545 My '65.

## ELECTROCARDIOGRAPHY

- Changes in the coronary blood flow during the action of food conditioned stimuli. V. B. Zakharzhvskii. Zhur. vys. nerv. deiat. 15 no. 3:453-457 My-Je '65.

- Characteristics of the electrocardiographic curve in myocardial infarction in hypertensive patients. O. N. Vinogradova. Trudy inst. im. N. V. Sklif. 5 no. 2 26-38 '62.

- Dynamics of the changes in the ECG in resuscitation of dogs by means of direct and external massage of the heart following clinical death caused by ventricular fibrillation. V. I. Tabak. Biul. eksp. biol. i med. 59 no. 6:35-40 Je '65.

- Effect of a preparation of Codonopsis sinensis on the bioelectric activity of the heart. F. D. Dzhumagalieva. Izv. AN Kazakh SSR Ser. biol. nauk. 3 no. 1:106-110 Ja-F '65.

- Electrocardiographic and capillaroscopic changes during influenza complicated with lacunar or follicular tonsillitis. E. N. Gorbunova. Sbor. nauch. tr. inst. infek. bol. no. 4:153-156 '64.

- Functional organization of neurons of various types in the visual center in frogs. V. G. Samsonova. Zhur. vys. nerv. deiat. 15 no. 3:491-499 My-Je '65.

- Role of serotonin in the central regulation of cardiac activity. K. N. Tkachenko. Trudy inst. norm. i pat. fiziol. AMN SSSR. 7:98-99 '64.

- Role of the adrenergic mechanisms in the origin of prolonged changes in the electrocardiogram and blood pressure following stimulation of the hypothalamus. S. I. Teplov. Fiziol. zhur. 51 no. 5:554-563 My '65.

## ELECTROCHEMICAL ANALYSES

- Complex formation in solutions of tartaric and boric acid mixtures. E. Shvaris, A. Meleto. A. Ievin'sh. Zhur. neorg. khim. 10 no. 5:1183-1185 My '65.

## ELECTROCHEMISTRY

- Adsorption of sulfide ions at the mercury-solution interface. B. A. Kiselev, S. I. Zhdanov. Elektrokhimiia 1 no. 2:159-163 F '65.
- Effect of the sinusoidal current on the electrocrystallization of cobalt. Part 1: Current efficiency, pH of the cathode layer, cathodic polarization. M. I. A. Popereka, V. I. Avramenko. Elektrokhimiia 1 no. 5:524-531 My '65.
- Electrochemical carboxylation of unsaturated compounds. M. I. A. Fioshin and others. Zhur. VKhO 10 no. 2:238 '65.
- Electrochemical hydrogenation of aromatic aldehydes and ketones. S. G. Mairanovskii, V. N. Pavlov. Elektrokhimiia 1 no. 2:225-227 F '65.
- Electrochemical oxidation of hydrogen on partially immersed smooth metals. A. G. Pashchenko and G. I. Shnaider. R. Kh. Burstein. Elektrokhimiia 1 no. 4, 118-121 Ap '65.
- Electrochemical processes in melts involving intermetallic compounds. I. U. K. Delimarskii and others. Zhur. prikl. khim. 38 no. 4:816-822 Ap '65.
- Electrochemical synthesis of hexamethylenediamine and amino capronitrile. A. P. Tomilov and others. Khim. prom. 41 no. 5:329-333 My '65.
- Interpretation of the results of impedance measurement in electrochemical studies. D. I. Leikis. Elektrokhimiia 1 no. 1:472-476 Ap '65.
- Kinetics of electrochemical processes in the system quinone - hydroquinone. Part 1: Effect of specific adsorption of the reactant on the kinetics of reactions on a platinum electrode. L. A. Lu-an'. [Yao Lu-an], I. U. B. Vasil'ev, V. S. Bagotaki. Elektrokhimiia 1 no. 2:170-175 F '65.
- Kinetics of electrochemical processes in the system quinone - hydroquinone. Part 2: Effect of the adsorption of particles nonparticipating in the reaction. L. A. Lu-an'. [Yao Lu-an] and others. Elektrokhimiia 1 no. 2:178-181 F '65.
- Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 13: Dependence of the number of carbon active centers on the temperature of its activation. O. K. Davtian, I. U. A. Tkach. Elektrokhimiia 1 no. 2:207-211 F '65.
- Points of zero charge in the equations of electrochemical kinetics. A. N. Frumkin. Elektrokhimiia 1 no. 4:394-402 Ap '65.
- Preparation and properties of chromium hydride. A. A. Proskurnikov, E. I. Krylov. Zhur. neorg. khim. 10 no. 5:1017-1021 My '65.
- Preparation of tetrabutyl ammonium hydroxide by the electrochemical method using ion-exchange membranes. N. A. Dabnovskii and others. Trudy IREA no. 25:127-133 '63.
- Reaction of compounds of the sixth group of elements with mercury. Part 1: Molybdenum. T. G. Pikhval'tova, E. F. Speranskaya. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 8 no. 1:11-16 '65.
- "Reaction zone" on the surface of a partially immersed electrode in a concentrated solution. I. U. V. Alekseev, I. U. A. Popov. Elektrokhimiia 1 no. 4:422-426 Ap '65.
- Thermodynamic properties of cobalt chromite from electrochemical measurements at 1270-1490°K. V. A. Levitskii, T. N. Rezukhina, A. S. Gusev. Elektrokhimiia 1 no. 2:237-239 F '65.
- Thermodynamic properties of iron chromite determined from electrochemical measurements. T. N. Rezukhina, V. A. Levitskii, B. A. Jatonin. Elektrokhimiia 1 no. 4: 467-471 Ap '65.

## ELECTROCHEMISTRY—EQUIPMENT AND SUPPLIES

- Chemical electronics. N. S. Lidorenko. Elektrokhimiia 38 no. 3:1-3 Mr '65.



## 2356

## ELECTROKYMOGRAPHY

Biochemical and electrokymographic examinations of dogs in experimental myocardial infarction and after its extinction. V.I.A. Garmash, I.M. Taritsynskiy, Pat. izобр. i ekspl. teor., 8 no. 6 35-39 N-D '61  
Clinical importance of urokyomography in the examination of the motor function of the urinary tract. M.G. Gorshkova. Vest. rent i rad., 39 no. 6 57-60 N-D '64.

Electrokyomographic examination of patients with defects of the interauricular septum. K.A. Kosharko. Vest. rent i rad., 40 no. 6 7-12 N-D '61.

## ELECTROLUMINESCENCE

Electroluminescence of ZnS phosphor induced by a slowly varying field under the action of additional electric pulses. V.P. Vasil'chenko, L.I.A. Usho. Zhur. prikl. fiz., 2 no. 3 275-277 M '65.

## ELECTROLYSIS

Device for registering the approximate electric power consumption by industrial electrolyzers. V.F. Zaitsechyi, I.I. Balashov, I.E. Manokha. Khim. prom. (Ukr.), no. 2 65-68 Ap-Je '65.

Effect of hydrodynamic factors on the regularities of a simultaneous deposition of main metal ions and impurity cations discharged at a limiting current. A.L. Rotin, I.A. Shatina, E.Sh. Ioffe. Zhur. prikl. khim., 38 no. 1, 81-86 Ap '65.

Electrolysis of an aqueous solution of a mixture of potassium and lithium chlorides with a moving mercury electrode. S.I. Sklarenko and others. Zhur. prikl. khim., 38 no. 4 849-855 Ap '65.

Electrolytic hydrogen absorption by steel. Part 1. Hydrogen absorption and changes of mechanical properties during cathodic polarization. I.L. Rozenfeld, D.M. Kravarenko, E.N. Lantava. Zashch. met., 1 no. 2 181-189 M '65.  
Electrolytic production of cobalt precipitates with specified characteristics. N.T. Gofman, T.N. Niko-l'skii. Izv. vys. ucheb. zav., khim. i khim. tekhn., 8 no. 1 101-110 '65.

Cathodic coating of metals without the use of tanks. V. Leon'tev. Radio, no. 3 16 M '65.

Luminescence in electrolysis as a radiation source for spectral analysis. G.A. Pevtsov, V.Z. Krasn'shchik. Trudy IRIA no. 25 221-231 '63.

Nature of the glow of the anode layer during electrolysis with a removable anode. V.D. Saprykin. Elektrokhimika 1 no. 2 234-236 F '65.

## ELECTROLYSIS—EQUIPMENT AND SUPPLIES

Application of mathematical statistics in assessing operational parameters of aluminum electrolytic cells. G.I.A. Nurenberg, V.S. Zheloznov, I.M. Kravtsov. Izv. met., 38 no. 5 53-56 M '65.

Effect of the presence in the electrolyte of aluminum metal and salt additives on the stability of cathode blocks during the electrolysis of cryolite-alumina melts. E.A. Zhernichukina, G.I.A. Nurenberg. Izv. vys. ucheb. zav., tsvet. met., 8 no. 1 90-95 '65.

Load distribution in contact pins during the baking of aluminum electrolytic cells by overhead current application. A.I. Begunov, I.K. Skobelev. Tsvet. met., 38 no. 3 53-60 Mr '65.

Results of testing individual design elements of magnesium electrolytic cells. K.D. Murizhnikov and others. Tsvet. met., 38 no. 5 57-60 M '65.

## ELECTROLYTE METABOLISM

Effect of cortisone and sodium phosphite on the content of some electrolytes in the rat blood and tissues. L.P. Vereshchakova. Ukr. biokhim. zhur., 36 no. 5 718-725 '64.

Fluctuations of the electrolyte content of the blood in surgery for liver cirrhosis. I.U.A. Makarova. Vest. knit., 93 no. 11 58-61 N '64.

Studies on the electrolyte metabolism in diabetes mellitus and some of its complications. A.Kh. Astrug. Probl. endok. i gorm., 10 no. 4 22-27 Ji-Ag '64.

## ELECTROLYTE SOLUTIONS

Certain electrochemical properties of cadmium in its electrolytic separation from solutions. V.M. Ganin, A.I. Zhurin. Izv. vys. ucheb. zav., tsvet. met., 8 no. 1 90-101 '65.

Characteristics of the dissolution of copper and its alloys in ammonia solutions. I.K. Marshakov, G.N. Saunova. Izv. vys. ucheb. zav., tsvet. met., 8 no. 1 147-151 '65.

Effect of temperature on the susceptibility of alloys toward a transfer to the passive state. G.M. Florianovich. Zashch. met., 1 no. 2 156-160 Mr-Ap '65.

Electric double layer capacitance in concentrated salt solutions. D.P. Aleksandrova, D.L. Leikis. Elektrokhimika 1 no. 2 241-243 F '65.

Electrochemical and corrosion behavior of aluminum-base intermetallic compounds. A.I. Golubev, M.N. Ronzhin. Zashch. met., 1 no. 2 189-206 Mr-Ap '65.

Electrochemical and corrosion behavior of nickel in sulfuric and perchloric acid solutions. N.I.A. Bune. Zashch. met., 1 no. 2 188-192 M '65.

The most effective electrolyte circulation in the electrolysis of copper. B.L. Kitaev, Tsvet. met., 38 no. 3 28-32 Mr '65.

## ELECTROLYTE SOLUTIONS—MODELS

Statistical theory of electrolyte solutions. Part 2. Charged sphere model. G.A. Martynov. Elektrokhimika 1 no. 5 557-565 M '65.

## ELECTROLYTES

Current distribution on a cathode as a strip in a half-space of the electrolyte with a polarization curve expressed by the Tafel formula. N.P. Gnusin and others. Flektokhimika 1 no. 4 152-159 Ap '65.  
Effect of electrolytes and protective colloids on the change in structural-adsorptive deformations in the system clay-liquid. V.D. Gorodkov. Koll. zhur., 27 no. 2 178-181 Mr-Ap '65.

Electrolytic properties of TaCl<sub>5</sub> in nonaqueous solvents. A.M. Golub, A.M. Sych. Zhur. neorg. khim., 10 no. 1 889-893 Ap '65.

Improving the technology for the electrolysis of magnesium chloride. K.D. Muzhzhavlev and others. Tsvet. met., 38 no. 3 60-65 M '65.

Low-voltage electric discharges in electrolytes. V.D. Saprykin. Izv. AN Uz SSR, Ser. fiz.-mat. nauk, 9 no. 1 76-80 '65.

Simple concentration boundaries in electrolytes. A.M. Stefanovskii. Elektrokhimika 1 no. 4 16-451 Ap '65.

Stability and coagulation of synthetic latexes. Part 5. Effect of secondary ions of electrolyte-coagulants on the kinetics of the first stage of coagulation. R.E. Neiman, O.A. Lashenko. Koll. zhur., 27 no. 2 254-258 Mr-Ap '65.

Stability of lyophobic sols and their coagulation by electrolytes. Part 5. Coagulation of strongly charged sols by electrolytes of various valence types. V.M. Barboi. Koll. zhur., 27 no. 2 151-157 Mr-Ap '65.

## ELECTROLYTIC CORROSION

Display at the Exhibition of the Achievements of the National Economy of new equipment for the protection of pipelines against electrolytic corrosion. V.I. Glazkov, V.G. Kotik. Zashch. met., 1 no. 2 254 Mr-Ap '65.

Electrolytic corrosion of the inner surfaces of pipelines used as conductors of electric current. B.G. Dubrovskii. Gaz. delo no. 1 20-22 '65.

## ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

## ELECTROLYTIC POLISHING

Electrochemical polishing of steel by an alternate current. G.P. Matlak, N.A. Ishchenko. Zhur. prikl. khim., 38 no. 4 840-845 Ap '65.

Formation of passive oxide films during an electrochemical polishing of aluminum. N.P. Fedotov and others. Zhur. prikl. khim., 38 no. 4 834-839 Ap '65.  
Polishing film on the surface of a silicon anode. T.K. Ivanova, A.S. Litovtch. Uzb. khim. zhur., 6 no. 1 52-57 '65.

## ELECTROLYTIC REDUCTION see Reduction, Electrolytic

## ELECTROMAGNETIC FIELDS

Correlation functions of a wave field over a statistically uneven surface. I.M. Fuks. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 104-115 '65.

Effect of the decay of an Al<sup>10</sup>en wave in the exosphere on the character of short-period oscillations of the earth's electromagnetic field. A.V. Gulyaev. Izv. AN SSSR, Fiz. zem., no. 2 30-33 '65.

Equations of signals describing the perturbation of an electromagnetic field by a buried dielectric cylinder. D.D. Zarin. Trudy VZEI no. 26 76-84 '64.

Pulsations of induced radiation in solids. B.L. Zheloznov and others. Fiz. tver. tela 7 no. 8 1758-1760 Je '65.

Space-time correlations of a field above the sea surface. I.M. Fuks. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 191-192 '65.

Two-dimensional electromagnetic fields guided by plasma layers. Part 2. I.G. Kondrat'ev, M.A. Miller. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 31-41 '65.

## ELECTROMAGNETIC PROSPECTING

Resolving power of the magnetotelluric sounding method. E.V. Rybakova, D.N. Shakhmuravov. Izv. AN SSSR, Fiz. zem., no. 5 94-100 '65.

Resolving power of the method of magnetic field establishment. A.N. Tikhonov, O.A. Skugarevskaya, P.P. Frolov. Izv. AN SSSR, Fiz. zem., no. 5 43-50 '65.

## ELECTROMAGNETIC THEORY

Relation between the ray and wave theories of electromagnetic beams in quasi-optical systems. S.N. Vlasov, V.I. Talanov. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 105-107 '65.

## ELECTROMAGNETIC WAVES

Beta decay of a proton induced by electromagnetic radiation. A.D. Gazizadeh. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk, 18 no. 1 126-133 '65.

Calculating the phase velocity of a wave in the septate wave guide of a linear accelerator. A.I. Zykov, L.A. Makhnenko. Zhur. tekhn. fiz., 35 no. 3 489-495 Mr '65.

Detection of centimeter waves in a gas discharge plasma. G.A. Sobol'. Izv. vys. ucheb. zav., radiofiz., 8 no. 2 120-121 '65.

Determining the equivalent reflection coefficient of the septate wave guide of a linear accelerator. A.I. Zykov, L.A. Makhnenko, G.D. Kramskoi. Zhur. tekhn. fiz., 35 no. 1 508-510 Mr '65.

Diffraction of a plane wave at the junction of an ideally conducting wedge and a dielectric one. S.S. Kalmykova. Prikl. mat. i mekh., 29 no. 2 361-363 Mr-Ap '65.

Electromagnetic oscillations in a resonance medium. A.I. Alekseev. Zhur. eksp. i teor. fiz., 18 no. 3 879-889 M '65.

Electromagnetic radiation from a neutron in an external magnetic field. I.M. Teinov, V.G. Bagrov, A.M. Khaspov. Zhur. eksp. i teor. fiz., 48 no. 3 921-927 M '65.

Emission of an extraordinary wave by the current carrying layer of a magnetoactive plasma. M.V. Samokhin. Izv. vys. ucheb. zav., radiofiz., 8 no. 2 251-259 '65.

Equations describing the motion of electrons in a traveling wave field allowing for nonlinearity of the second order. G.I. Zhileiko, B.A. Snedkov. Zhur. tekhn. fiz., 35 no. 3 480-488 M '65.

Excitation of a system of semi-infinite plates by linear sources. I.U.M. Aivazian, D.M. Sedrakian. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk, 18 no. 1 117-125 '65.

Experimental study of plasma acceleration by the gradient of a superhigh-frequency field. I.R. Gekker. Zhur. tekhn. fiz., 35 no. 3 577-580 M '65.

Interaction between charged particles and gyrotronic ferrite. E.D. Gazizadeh, O.S. Mergelian. Zhur. tekhn. fiz., 35 no. 3 539-541 Mr '65.

Interaction between conduction of electrons and lattice vibrations in a semiconductor. M.I. Kheifets. Fiz. tver. tela 7 no. 8 1642-1648 Je '65.

Interaction of electromagnetic shock waves in nonlinear transmission lines. L.A. Gerasimov. Izv. vys. ucheb. zav., radiofiz., 8 no. 2 285-291 '65.

Mathematical proof of some diffraction radiation formulas. B.V. Khachatryan. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk, 18 no. 2 133-139 '65.

Mutual and self-conductances of the radiation of slots on a wedge. B.M. Petrov. Radiotekh. i elektron., 10 no. 6 1135-1137 Je '65.

Nonlinear interaction between a charged particle beam and a plasma. N.P. Giorgadze. Zhur. tekhn. fiz., 35 no. 3 416-420 Mr '65.

Preface to P.I. Kuznetsov and R.L. Stratonovich's book "The Propagation of electromagnetic waves in multi-conductor transmission lines." Louis de Bioglie. Elektrichestvo no. 3 94 M '65.

Propagation of electromagnetic waves in a medium with a variable refractive index. L.P. Presnitskov, I.I. Sobol'man. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 57-63 '65.

Propagation of waves of final amplitude in a plasma allowing for the effect of charge separation. A.D. Pataiaia. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 27-33 '65.

Radiation from a beam moving above a diffraction grating on a shielded dielectric. E.I. Cherniakov. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 103-105 '65.

Radiation reaction in the case of longitudinal waves. G.V. Gorodinskii. Izv. vys. ucheb. zav., radiofiz., 8 no. 1 64-69 '65.

Relationship between the problem of the synthesis of a radiator and the inverse problem of the theory of dispersion. Trudy VZEI no. 26 61-75 '64.

Synthesis of a nonuniform layer and a diffusing region. D.I. Mirovitskii. Trudy VZEI no. 26 46-60 '64.

Theory of the propagation of stationary waves of finite amplitude in ferrites. I.U.F. Filippov. Izv. vys. ucheb. zav., radiofiz., 8 no. 2 292-300 '65.

Transformation of waves on the interface plasma-vacuum. T.S. Doladze. Zhur. tekhn. fiz., 35 no. 3 582-584 Mr '65.

Traveling waves in a nonlinear electromagnetic medium. V.B. Krasovitskii, V.I. Kuriklo. Zhur. tekhn. fiz., 35 no. 3 560-562 Mr '65.

Use of Lorentz's lemma in calculating the fields of emission from given sources in infinite media. I.G. Kondrat'ev, V.I. Talanov. Zhur. tekhn. fiz., 35 no. 3 571-573 Mr '65.

## ELECTROMAGNETIC WAVES—DIFFRACTION

Shortwave asymptotic diffraction of acoustical and electromagnetic waves on bodies of rotation. B.E. Kinkor. Radiotekhnika 20 no. 4 132-35 Ap '65.

Transverse diffusion during diffraction on a wedge. P.I.A. Ufimtsev. Radiotekh. i elektron., 10 no. 8 1013-1023 Je '65.

## ELECTROMAGNETIC WAVES—SPECTRA

Optical-acoustic effect and its influence on auditory analyzer. P.P. Pavinskii. Vest. LGU 20 no. 0 95-105 '65.

## ELECTROMAGNETIC WAVES—SPEED

Calculation of the group wave velocity and damping in the septate wave guide of a linear accelerator. A.I. Zykov, L.A. Makhnenko. Zhur. tekhn. fiz., 35 no. 3 502-507 Mr '65.

## ELECTROMAGNETISM

Electromagnetic processes in a conductive plate under the action of a pulse magnetic field. A. I. Kadochnikov. *Defektoskopiya* no. 1, 15-19 '65.

## ELECTROMAGNETS

Behavior of the line of force of a rotating electromagnet. N. F. Zae, V. I. Doluchayev. *Elektrotehnika* 35 no. 11 64 N '64.  
System of controlling the excitation current for electromagnets in nuclear magnetic resonance spectrometers. L. L. Dukhutin, V. R. Mityanchan. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 1 110-152 '65.

## ELECTROMAGNETS—CURRENT SUPPLY

Choice of selenium devices for supplying power to switch drives. L. B. Dovzhik, V. M. Egorov. *Elek. sta.* 36 no. 4 53-55 Ap '65.

## ELECTROMETALLURGY—HANDBOOKS, MANUALS, ETC.

Donskoi, A. V., ed. [High frequency electrothermy; a handbook] *Vysokochastotnaya elektrottermiya, spravochnik*, Moskva, Mashinostroyeniye, 1965. 564 p.

## ELECTROMOTIVE FORCE

(see also subdivision under Mexico)

Adsorption peaks of organic substances at small bulk concentration of adsorbate. G. A. Todoradze, I. A. M. Zolotovskikh. *Elektrokhimiya* 1 no. 2:201-208 F '65.

Effect of adsorption on potential distribution at the germanium-electrolyte interface. V. V. Eletskii, I. V. Plaskov. *Elektrokhimiya* 1 no. 2 194-200 F '65.

Equilibrium potentials of zirconium in fused cesium chloride. V. I. Kudakov, M. V. Smirnov. *Elektrokhimiya* 1 no. 2:143-148 F '65.

Measurement of the contact difference of potentials by the condenser-type method. L. L. Knots, G. G. Dubovik. *Elektrokhimiya* 1 no. 5 507-511 My '65.

Potentials of a platinum-platinum electrode in a steady state in methanol solutions. B. I. Podlovchenko, O. A. Petrit, E. P. Gorgonova. *Elektrokhimiya* 1 no. 2 182-187 F '65.

Quasi-equilibrium states in the systems Metal-Metal-Anion solid-Cation-Anion solution-solution. Kh. Z. Brainina, F. M. Roizenblat. *Elektrokhimiya* 1 no. 4 403-408 Ap '65.

State of the surface of a platinum anode at potentials preceding the course of Kolbe electrolysis. G. P. Girina, M. A. Foshin, V. E. Kazarinov. *Elektrokhimiya* 1 no. 4 478-482 Ap '65.

## ELECTROMYOGRAPHY

Correlation between depolarization and contraction in various skeletal muscles in mammals. E. K. Zhukov. *Fiziol. zhur.* 51 no. 6 853-862 Je '65.

Rhythm assimilation in proprioceptive reflex centers of the intact organism. I. U. M. Ulland, M. F. Stoma. *Fiziol. zhur.* 51 no. 6:848-852 Je '65.

## ELECTRON BEAMS

Characteristics of the structure of the metal of a joint during electron beam welding. N. A. Ol'shanskii, A. V. Zaitseva. *Avtom. svar.* 18 no. 3 28-30 Mr '65.

Current limit of an electron beam with stipulation that the current density remains constant. L. E. Bakhrakh. *Radiotekh. i elektron.* 10 no. 8 1104-1109 Je '65.

Cyclotron excitation of magnetoacoustic waves by a charged particle flux. V. V. Angeleiko, A. B. Kitenko. *Zhur. tekhn. fiz.* 35 no. 3 470-474 Mr '65.

Effect of a weak high-frequency field on an electron beam producing a virtual cathode. S. D. Gvozdev. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:308-318 '65.

Effect of the law of change of the cross-sectional area of a one-dimensional electron beam on the current intensity in the beam. I. U. S. Riabinkin. *Zhur. tekhn. fiz.* 35 no. 3 428-430 Mr '65.

Excitation of magnetostatic oscillations in a magnetized ferrite by an electron beam. L. A. Shishkin. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:301-307 '65.

Radiation from a beam moving above a diffraction grating on a shielded dielectric. E. I. Cherniakov. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1:193-195 '65.

Relation between the ray and wave theories of electromagnetic beams in quasi-optical systems. S. N. Vlasov, V. I. Talanov. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1 195-197 '65.

Stabilization of electron beam welding conditions. N. V. Podola and others. *Avtom. svar.* 18 no. 4 23-27 Ap '65.

## ELECTRON GAS

Cherenkov radiation from a ring current in a Brillouin cloud. D. G. Lominadze. *Zhur. tekhn. fiz.* 35 no. 3 568-571 Mr '65.

## ELECTRON GAS—OSCILLATIONS

Nonlinear oscillations of an electron gas in a magnetic field. V. A. Levin. *Vest. Moskv. un. Ser. I: Mat., mekh.* 20 no. 2:82-88 Mr-Apr '65.

## ELECTRON MICROSCOPY

Akademii nauk SSSR. Nauchnyi sovet po problemam tsitologii [Electron and fluorescence microscopy of the cell] *Elektronnaya i fluoresentsnaya mikroskopiya kletki*, Moskva, Nauka, 1964. 168 p. illus.

Comparative electron microscopic study of the structure of walls of blood and lymph capillaries. D. A. Zhdanov, V. A. Shakhmatov. *Arkh. anat., gist. i embriol.* 47 no. 10 13-19 P O '64.

Electron microscope study of mutual diffusion in polymer systems. A. N. Kamenskii, N. M. Fodman, S. S. Volitskii. *Vysokom. soed.* 7 no. 4 585-700 Ap '65.

Electron microscope study of oogenesis in sheep. A. Murzamadiev. *Izv. AN Kazakh SSR Ser. biol. nauk* 3 no. 1 97-102 Ja-F '65.

Electron microscopic study of Prowazek's Rickettsia in the intestinal cells of the body louse. L. I. A. Shkol'nik, B. H. Zatulovskiy, H. P. Handzil. *Mikrobiol. zhur.* 27 no. 3 28-35 '65.

Histochemical methods in electron microscopy. L. Z. Pavzner. *Arkh. anat., gist. i embriol.* 48 no. 4 91-106 Ap '65.

Methodology of the electron microscope study of allantoic cultures of the influenza virus. G. F. Stremetskii, A. L. Losinskii. *Sbor. nauch. trud. Inst. infek. bol.* no. 4 12-45 '64.

Problem of the structure of synaptic membranes (electron microscope examination). N. N. Bogolepov. *Zhur. nevrol. i psikh.* 64 no. 11 1661-1665 '64.

## ELECTRON OPTICS

Effect of the geometrical parameters on the optical characteristics of a system of four quadrupole lenses analogous to an axisymmetrical lens. A. D. Dymnikov, T. I. A. Fishkova, S. I. A. Ivor. *Zhur. tekhn. fiz.* 35 no. 3 431-440 Mr '65.

Filming with light intensification. I. N. Goufman, E. V. Ksandrov. *Tekhn. kino i telev.* 9 no. 6 51-56 Je '65.

Motion of relativistic charged particles in two-dimensional electron optical systems with a median plane. M. Siladi, S. I. A. Ivor. *Zhur. tekhn. fiz.* 35 no. 3 402-404 Mr '65.

## ELECTRON PARAMAGNETIC RESONANCE

Electron paramagnetic resonance in BaTiO<sub>3</sub> single crystals containing color centers. E. V. Bursian, I. U. L. Daniluk, V. V. Shapkin. *Izv. AN SSSR, Ser. fiz.* 29 no. 6:990-993 Je '65.

Electron paramagnetic resonance spectra generated in the adsorption of oxygen on rutile. V. M. Maslakhin, L. M. Kefail, N. P. Koler. *Kin. i kat.* 6 no. 1:180-181 Ja-F '65.

Spin-lattice paramagnetic relaxation and the shape of the DPR signal line in a magnetic-dilute solid body. I. V. Aleksandrov. *Zhur. eksp. i teor. fiz.* 48 no. 3:869-876 Mr '65.

## ELECTRON PARAMAGNETIC RESONANCE—SPECTRA

Determining the type of radiation traps in glasses. D. M. Udin. *Fiz. tver. tela* 7 no. 6:1731-1738 Je '65.

Hyperfine structure of the paramagnetic resonance spectra of free Ag, Au, and Cu atoms stabilized in a benzene matrix at the temperature of liquid hydrogen. R. A. Zhilnikov, N. V. Kolesnikov. *Fiz. tver. tela* 7 no. 6:1710-1716 Je '65.

## ELECTRON-TUBE AMPLIFIERS see Amplifiers, Electron-tube

## ELECTRON-TUBE OSCILLATORS see Oscillators, Electron-tube

## ELECTRON TUBES—RELIABILITY

Review of N. V. Parol's book "Reliability of receiving and amplifying tubes." B. E. Berdichevskii. *Radiotekhnika* 20 no. 4:77 Ap '65.

## ELECTRONIC ANALOG COMPUTERS

Composite (analog-digital) functional converters of one and two variables. S. A. Ginzburg, I. U. A. Liubarskii. *Trudy VNIIE* no. 18 53-62 '64.

Experience in operating the ANRAN-IV analog computer system of the Ural Centralized Power Production, Distribution and Control Administration. I. A. G. Makushkin, N. D. Kuznetsov, I. U. A. Vikhorev. *Elektrichestvo* no. 5:79-81 My '65.

Functional converter of the RER computer and its design. S. A. Ginzburg, I. U. A. Liubarskii, V. D. Shlimovich. *Trudy VNIIE* no. 18:35-52 '64.

Noncontact angle-to-code converter with ferrite sensitive elements. G. M. Butaev, N. I. Shchedrov. *Priboroostroenie* no. 5:27-28 My '65.

Voltage-to-numerical code converter with an accelerating oscillator. L. G. Chubrikov. *Priboroostroenie* no. 5, 28-29 My '65.

## ELECTRONIC APPARATUS AND APPLIANCES

Correlation recorder with statistical averaging. L. M. Bolchuk. *Avtomatika* 10 no. 1:71-74 '65.

Electronic cutoff relay in electron beam equipment. O. V. Stupovich. *Avtom. svar.* 18 no. 4 77 Ap '65.

## ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

[Electronics and its applications] *Ref. zhur.* Flek. prim. no. 7 JI '65. *Predelnyy ukazatel'* za 18

## ELECTRONIC APPARATUS AND APPLIANCES—RELIABILITY

One method for calculating the reliability of redundant systems. A. P. Zubova. *Avtom. i telemekh.* 26 no. 7 11 Ap '65.

Some aspects of the present state of the reliability problem. B. R. Levin, I. A. Ushakov. *Radiotekh.* 20 no. 4:3-20 Ap '65.

## ELECTRONIC APPARATUS AND APPLIANCES—TESTING

Automating the search for defects in electronic equipment. M. I. Golubev. *Mor. sbor.* 40 no. 1:85-86 Ap '65.

## ELECTRONIC CIRCUITS

Complexity of circuits realizing multiparametric lines of operators. B. A. Trukhin. *Pr. obl. kib.* no. 12:99-112 '64.

Complexity of series-parallel contact networks realizing one sequence of Boolean functions. R. E. I. skil. *Pr. obl. kib.* no. 12:45-55 '64.

Effect of the inertia of a circuit with photocells as the elements on the selection of load resistors. E. K. Kondrat, N. S. Mironova. *Izv. vuz. ucheb. zav.* 8 no. 5:107-104 My '65.

Series of contactless logical elements for the automation of industrial objects. I. A. I. Melder. *Elektrichestvo* 36 no. 3:25-28 Mr '65.

Synthesis of selective systems with smoothly regular passband and constant phase-frequency character. V. G. Volpin, A. M. Shloma. *Elektronika* 10 no. 20-29 My '65.

## ELECTRONIC CIRCUITS—TESTING

Tests for nonrepetitive contact networks. I. V. K. *Pr. obl. kib.* no. 12:30-44 '64.

## ELECTRONIC COMPUTERS

Basic construction principles of the RIR-2 analog-digital computer. S. A. Ginzburg. *Trudy VNIIE* no. 18 88-96 '64.

Binary computer with universal elements. V. I. Kharb. *F. I. Khmel'nitskii. Priboroostroenie* no. 5:14-15 '65.

Construction of a control automaton using ferrite-transistor elements. P. A. Hrezdova, V. I. Karlin. *Avtomatika* 10 no. 2:64-66 '65.

Errors of a linear interpolator based on a digital integrator with parallel transfer. B. O. Shlov. *Avtomatika* 10 no. 2:81-84 '65.

Fifth All-Union Scientific and Technical Conference on the Use of Computer Techniques in the Automation of Production. *Elektrichestvo* no. 5:5 My '65.

Khov, A. I., and N. A. Krutskii. [Electronic computer Elektronnoye vychislitel'noye mashiny. Izd. 2., peredop. Moskva, Nauka, 1965. 174 p. (Nauchno-popul. ser.)]

New computers for engineering calculations. V. I. Loskutov. *Mekh. i avtom. proizv.* 10 no. 4:14-48 '65.

Three-valued parametron logic in Post's algebra. I. Sobornikov. *Avtomatika* 10 no. 2:45-53 '65.

Unit for automatic function computation. V. M. I. *Priboroostroenie* no. 5:17-10 My '65.

## ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] *Ref. zhur.* Avtom., telemekh. i vych. tekhn. no. 7 JI '65.

[Journal of abstracts: Cybernetics] *Ref. zhur.* Kib. no. 6 Je '65.

## ELECTRONIC COMPUTERS—CIRCUITS

Logical method for the synthesis and analysis of electrical networks in the representation of mathematical functions. S. A. Ginzburg. *Trudy VNIIE* no. 18:14 '64.

Operation of a parametron by a prescribed magnetic current. L. A. Sinitskii. *Izv. vys. ucheb. zav. i rad.* 8 no. 2:350-358 '65.

Universal functional converters of one or two variates with random distribution of interpolation stages. I. Liubarskii. *Trudy VNIIE* no. 18:69-76 '64.

Universal transistorized digital-analog function generator. A. P. Kashchuk and others. *Priboroostroenie* 15-17 My '65.

## ELECTRONIC COMPUTERS—PARTS

Determination of the constant of magnetic anisotropy using ferromagnetic resonance data and dynamometer measurements in ferrites. V. P. Bolov. *Trudy MINKHGP* no. 52:131-132 '64.

## ELECTRONIC COMPUTERS—PRINT-OUT EQUIPMENT

Power supply of the executive links of a high-speed print-out device from an a.c. network. A. D. Bolyaev. *Avtomatika* 10 no. 1:85-70 '65.

## ELECTRONIC CONTROL

Automatic control of a system of ground-type push conveyors used in multiple article assembling. P. I. Avruskil, Mekh. i avtom. prozv. 19 no. 4 31-31 Ap '65.

Design of a control system for the spinning-machine drive. P. M. Movshovich, Nauch.-issl. i trudy VNILTEKMAHA no. 11:30-46 '64.

Senbrotas, Izidorius. [Centralized control of technological processes] Centralizuota technologiniu procesu kontrole. Vilnius, Leidykla "Mintis," 1965. 95 p. [In Lithuanian]

Series of contactless logical elements for the automation of industrial objects. I. I. Mekler, Elektrotehnika 36 no. 3:25-28 Mr '65.

Special machine for regulating the charging of a blast furnace. E. G. Baranova, B. P. Brudnyi, Z. B. Vartanov Elektrotehnika 36 no. 3:27-28 Mr '65.

## ELECTRONIC DATA PROCESSING

Determining the sequence of bases in the biochemical code. Part 2. The principle of connectivity of series. V. A. Rutner, Probl. kib. no. 12:181-199 '64.

Senbrotas, Izidorius. [Centralized control of technological processes] Centralizuota technologiniu procesu kontrole. Vilnius, Leidykla "Mintis," 1965. 95 p. [In Lithuanian]

Using electronic computers in processing economic information. T. M. Askerov, Za tekh. prog. 5 no. 3 16-18 Mr '65.

## ELECTRONIC DATA PROCESSING—AGRICULTURAL MACHINERY

Studying the drive mechanism of an overshot hay stacker using the BESM-2 computer. V. I. Savin, Trakt. i sel'khozmaash. no. 6:30-32 My '65.

## ELECTRONIC DATA PROCESSING—ASSEMBLY-LINE METHODS

Structural and operational indices of rotor assembly lines in forging. I. A. Klusov, A. R. Safarians, Kuz.-strem. prozv. 7 no. 4:20-34 Ap '65.

## ELECTRONIC DATA PROCESSING—AUTOMOBILE INDUSTRY

see subdivision under Moscow

## ELECTRONIC DATA PROCESSING—BESSEMER PROCESS

Transmission of discrete information for converter smelting control. B. I. Anastasiev and others, Mekh. i avtom. prozv. 10 no. 4:40-50 Ap '65.

## ELECTRONIC DATA PROCESSING—BIBLIOGRAPHY

see Bibliography—Electronic data processing

## ELECTRONIC DATA PROCESSING—BLAST FURNACES

Automatic control of the operation of blast furnaces with the help of electronic computers. K. A. Shumilov and others, Metallurg 10 no. 6:3-5 Je '65.

## ELECTRONIC DATA PROCESSING—CONSTRUCTION INDUSTRY

Programming and calculating on the BESM-2M electronic computer. G. Truzhenikova, Na stroit. Ros. 8 no. 4:22-23 Ap '65.

## ELECTRONIC DATA PROCESSING—DEFORMATIONS (MECHANICS)

Solution of the problem on antisymmetric deformation of a conic shell of linearly variable thickness with the BESM-2M electronic computer. I. A. M. Girsanenko, T. I. Polisechuk, Prikl. mekh. 1 no. 2:129-134 '65.

## ELECTRONIC DATA PROCESSING—ELECTRIC POWER DISTRIBUTION

Basic construction principles of the RER-2 analog-digital computer. S. A. Ginzburg, Trudy VNIIE no. 18 86-96 '64.

Composite (analog-digital) functional converters of one and two variables. S. A. Ginzburg, I. A. Liubarskii, Trudy VNIIE no. 18 53-62 '64.

Consideration of losses in power system networks in calculating their economic modes of operation using analog computers. V. D. Shlimovich, Trudy VNIIE no. 18:76-87 '64.

Functional converter of the RER computer and its design. S. A. Ginzburg, I. A. Liubarskii, V. D. Shlimovich, Trudy VNIIE no. 18:35-52 '64.

Network, construction, and operational indices of the RER computer of the Administration of Power Production, Distribution, and Control of the Consolidated Power System of the European part of the U.S.S.R. B. V. Borozinets, S. A. Ginzburg, V. D. Shlimovich, Trudy VNIIE no. 18:4-13 '64.

## ELECTRONIC DATA PROCESSING—ETHNOLOGY

A tentative treatment of ethnographic material with the aid of electronic computers. S. B. Rozhdestvenskaya, Sov. etn. no. 3:18-26 My-Je '64.

## ELECTRONIC DATA PROCESSING—FARM PROCURE-MENT

Planning the deliveries of fertilizers using computing machines. L. I. Istomin, A. I. Krupnik, B. I. Tikhomirov, Khim. v sel'khoz. 3 no. 5:67-70 My '65.

## ELECTRONIC DATA PROCESSING—GAS DISTRIBUTION

Determining the most economical method for compensating for the seasonal disparity in gas consumption. I. U. Kuznetsov, Gaz doio no. 1 33-38 '65.

## ELECTRONIC DATA PROCESSING—INDUSTRIAL ENGINEERING

Using mathematical statistical methods and electronic computers in the analysis and planning of labor productivity and cost of manufacture. A. A. Fienkel', Biol. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no. 5:48-51 My '65.

## ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT

Mechanize administrative work. V. Shevchenko, A. Prishchepa, Nar. khoz. Kazakh. 23 no. 3 55-59 Mr '65.

## ELECTRONIC DATA PROCESSING—MEDICINE

Cybernetics in medicine. A. A. Vishnevskii, Priroda 54 no. 6:24-34 Je '65.

## ELECTRONIC DATA PROCESSING—METAL CUTTING

Optimal layout of the strip. V. G. Mednitskii, Ekon. i mat. metod. 1 no. 2:282-288 Mr-Apr '65.

## ELECTRONIC DATA PROCESSING—METALLURGY

Network planning in metallurgy. M. E. Portnoi, Metallurg 10 no. 5 31-35 My '65.

## ELECTRONIC DATA PROCESSING—NAVAL ARCHITECTURE

Using electronic digital computers in solving problems on the unsinkability of a ship. A. A. Arefev, Mor. sbor. 47 no. 6:68-78 My '64.

## ELECTRONIC DATA PROCESSING—OIL WELL DRILLING

Device for programming lowering operations in well drilling. M. D. Fataliev, Za tekh. prog. 5 no. 3 9-11 Mr '65.

## ELECTRONIC DATA PROCESSING—OIL WELL LOGGING

Computer combined interpretation of geophysical field data. A. I. Kholm, Neft khoz. 43 no. 5 51-57 My '65.

## ELECTRONIC DATA PROCESSING—OPEN-HEARTH PROCESS

Control of open-hearth furnace production with the use of computers. G. D. Surguchev, O. M. Blinov, M. R. Reiss, Metallurg 10 no. 6:17-18 Je '65.

## ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION

Computer mathematics and techniques in petroleum production. V. L. Danilov, Neft khoz. 43 no. 5:68-70 My '65.

## ELECTRONIC DATA PROCESSING—PRODUCTION ENGINEERING

Problems of mathematical (statistical) stimulation of production processes with the use of electronic digital computers. G. A. Aliev, Za tekh. prog. 5 no. 3 19-21 Mr '65.

## ELECTRONIC DATA PROCESSING—PSYCHOLOGICAL RESEARCH

Determining some selected characteristics of the results of psychophysiological experiments by means of electronic computer. I. M. Baraboshkin, Vop. psikh. 11 no. 2:67-74 Mr-Apr '65.

## ELECTRONIC DATA PROCESSING—RAILROADS

Electronic digital computers speed up the formation and departure of trains. S. N. Vargin and others, Zhel. dor. transp. 47 no. 4:21-24 Ap '65.

## ELECTRONIC DATA PROCESSING—RAILROADS—BIBLIOGRAPHY

see Bibliography—Electronic data processing—Railroads

## ELECTRONIC DATA PROCESSING—RAILROADS—MANAGEMENT

Moscow, Moskovskii Institut inzhenerov zheleznodorozhnogo transporta. [Use of electronic digital computers in calculations connected with the operation of railroads] Primenenie elektronnykh (sifrovnykh vychislitel')-nykh mashin v raschetakh, svyazannykh s ekspluatatsiei zheleznikh dorog. Moskva, Transport, 1965. 221 p. (Ira Trudy, no. 202)

Use of electronic computers in the development of the daily plans of the operational work. L. P. Tulupov, Zhel. dor. transp. 47 no. 5:33-35 My '65.

## ELECTRONIC DATA PROCESSING—REFRIGERATION AND REFRIGERATING MACHINERY

Use of electron computers in the development of the design of series arrangement double-pipe condensers. L. G. Mel'nikchenko and others, Khol. tekh. 42 no. 1 34-37 Ja-F '65.

## ELECTRONIC DATA PROCESSING—ROLLING (METALWORK)

Computer for calculating reduction conditions of the 2500 mill. V. P. Polushkin, N. I. Medvedchikova, Metallurg 10 no. 6:27-28 Je '65.

## ELECTRONIC DATA PROCESSING—STATISTICAL DECISION

Statistical testing method (Monte-Carlo method) with the use of an electronic analog computer. A. T. Sidorov, Izv. vuzov. zav. mashinostr. no. 3 77-82 '65.

## ELECTRONIC DATA PROCESSING—STRIP MINING

Vinitskii, K. E., and E. I. Reentovich. [Mathematical modeling of parameters of systems for strip-mining deposits] Matematicheskoe modelirovaniye parametrov sistem okrytoi razrabotki mestorozhdenii. Moskva, Nauka, 1965. 85 p.

## ELECTRONIC DATA PROCESSING—WEATHER FORECASTING

Principles of constructing an objective method of weather forecasting on the basis of information-probability logic. M. L. Bykhovskii, G. V. Gruza, Meteor. i gidrol. no. 7: 3-10 Ji '65.

## ELECTRONIC DIGITAL COMPUTERS

Computers with ferrite-diode elements. I. U. A. Makhmudov, Izv. AN Azerb. SSR Ser. fiz.-tekh. i nat. nauk no. 6:27-35 '64.

Decimal-binary reversible switch. V. B. Kantorovich, G. A. Shapovalov, Za tekh. prog. 5 no. 3 11-15, 15 Mr '65.

Experience in developing the ternary computer. N. P. Brusentsov, Vest. Mosk. un. Ser. I: Mat., mekh. 20 no. 2:39-48 Mr-Apr '65.

Logical circuits for ternary parametrons. V. R. Komolov, A. S. Roshal', Izv. vuzov. zav. radiofiz. 8 no. 1 177-182 '65.

## ELECTRONIC DIGITAL COMPUTERS—MEMORY SYSTEMS

Functional analog memory device for a digital computer. S. A. Ginzburg, I. U. A. Liubarskii, N. S. Malishevskaya, Trudy VNIIE no. 18 63-64 '64.

Kralmer, L. P., ed. [Operational and constant memory devices] Operativnye i postoiannye zapomnatel'shchik ustroystva, sbornik statei, Moskva, Energiya, 1965. 166 p.

## ELECTRONIC INSTRUMENTS

Information characteristics of automatic checking and measuring instruments. I. U. V. Sychevskii, V. V. Kafarov, Izv. tekh. no. 2:5-8 F '65.

Signalizer of solution purity. G. D. Mamuta, Izv. tekh. no. 2:54-55 F '65.

## ELECTRONIC MEASUREMENTS

Interference rejection of logarithmic pulse systems with logarithmic amplitude-time converters. N. D. Kuvtev, Trudy VZEI no. 25:101-108 '64.

Measuring capacitances of capacitor pickups in a self-excited bridge circuit. V. A. Dvinskikh, Priboirostroenie no. 5:53-5 My '65.

Method for increasing the interference rejection of measuring systems with electric field transducers. D. B. Zorin, Trudy VZEI no. 26:85-91 '64.

Portable Z-meter generator. V. M. Konstantinova, K. Kh. Erans, Vest. svyazi 26 no. 4:10-11 Ap '65.

Use of the method of small pulse perturbations in studying a real silicon surface. V. H. Lytovchenko, A. P. Horban', V. P. Kovbasiuk, Ukr. fiz. zhur. 10 no. 3:287-297 Mr '65.

## ELECTRONICS

In the A. S. Popov Scientific and Technical Society of Radio and Electronics, Radiotekhnika 20 no. 4:80 Ap '65.

Paths of electronics. V. I. Sidorov, Priroda 54 no. 6: 35-40 Je '65.

Second Scientific Session of the Science Council on Physical Electronics. G. A. Ivanov and others, Radiotekh. i elektron. 10 no. 6:1165-1166 Je '65.

## ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref. zhur.; Elek. i eo prim. no. 7 Ji '65. Predmetnyi ukazatel' za 1964 g.

## ELECTRONICS—DICTIONARIES

[Automation of production processes and industrial electronics; an encyclopedia of modern technology] Avtomatizatsiya proizvodstva i promyshlennaya elektronika, entsiklopediya sovremennoi tekhniki, Glav. red. A. I. Berg i V. A. Trapeznikov. Moskva, Sovetskaya Entsiklopediya, (Entsiklopedii, slovari, spravochniki) Vol. Telekomandovaniye i IACHEKI standartnyye. 1965. 543 p.

## ELECTRONICS IN BIOLOGY

Role of lipids in the organization of enzymatic chains of electron transfer in Micrococcus lysodeikticus. A. I. Oparin and others, Zhur. evol. biokhim. i fiziol. 1 no. 1:7-15 Ja-F '65.

## ELECTRONICS IN NAVIGATION

Automating the search for defects in electronic equipment. M. I. Golubev, Mor. sbor. 48 no. 4:85-88 Ap '65.

## ELECTRONICS IN NAVIGATION (Continued)

W. Shet, P. A., and N. B. Kalayevich. [Electronic navigation instruments] Elektronika (Gosizdatizdat), Moscow, Transport, 1965. 495 p. Ill. 2, 18 p. (MIRA)

## ELECTRONS

Effect of describing the motion of electrons in a traveling wave field allowing for nonlinearity of the second order. G. I. Zhukovskii, R. A. Srednikov. Zhur. tekh. fiz. 31 no. 14:1464-1467 Mr '65

Interaction between conduction electrons and lattice vibrations in a semiconductor. M. I. Khelstets. Fiz. tver. tela 7 no. 6:1642-1648 Je '65

## ELECTRONS—CAPTURE

Complex study of the kinetics of recombination and infrared quenching of the photocurrent in cadmium selenide. V. E. Iashkarev, A. V. Luchchenko, M. K. Nigmatman. Fiz. tver. tela 7 no. 6:1717-1732 Je '65

Effect of trapping levels on the photoconductivity of semiconductors at large illumination levels. D. A. Aronov, R. G. Gerasimov. Izv. AN SSSR Ser. fiz.-mat. nauk 9 no. 2:40-47 '65

Effect of trapping levels on the volt-ampere characteristics of a semiconductor diode. A. I. Lel'derman. Izv. AN SSSR Ser. fiz.-mat. nauk 9 no. 2:39-39 '65

## ELECTRONS—EMISSION

Analysis of the coefficient of non-electron emission from a cathode in the steady state. E. S. Mikhaylova. Vys. fiz. 3 no. 1:157-158 Mr '65

Exoelectronic emission of phosphors on a  $\text{CaSO}_4$  base. A. R. Fradman, B. F. Kosenko, V. I. Aleshko. Izv. AN UzSSR Ser. fiz.-mat. nauk 9 no. 1:81-85 '65

## ELECTRONS—SCATTERING

Anisotropic scattering in semiconductors. I. U. A. Gromova. Fiz. tver. tela 7 no. 6:1696-1698 Je '65

Scattering of phonons and electrons in solid solutions. E. D. Devlatkova, V. V. Tikhonov. Fiz. tver. tela 7 no. 6:1770-1776 Je '65

Temperature dependence of the effective electron mass and some data on their scattering in mercury selenide. S. A. Akhmedov, L. L. Porenbit, S. S. Shalyt. Fiz. tver. tela 7 no. 6:1673-1679 Je '65

Transfer effects in n-InSb in inelastic polar scattering of electrons. G. I. Guseva, A. A. Zvezdin. Fiz. tver. tela 7 no. 6:1679-1680 Je '65

## ELECTRO-OPTICAL EFFECTS

Electro-optical properties of triglycine sulfate. Part I. A. S. Savvin, V. E. Perfilova, A. S. Vasilievskaya. Izv. AN SSSR Ser. fiz. 29 no. 6:959-972 Je '65

Measuring the linear electro-optical effect in crystals using the dynamic method. A. T. Anistratov, A. V. Potchenkov, K. S. Aleksandrov. Izv. AN SSSR Ser. fiz. 29 no. 6:973-977 Je '65

## ELECTRO-OSMOSIS

Electroosmotic lubrication of stamps in semidry block printing. I. I. Mikhaylov, A. A. Gumzikhov. Stroitel. i. no. 1:35-36 Ja '65

Treating silicified soils by direct electric current with subsequent shifts of polarity. E. B. Aibaso. Vest. Belkhuz nauki (Kazakh). 8 no. 2:63-67 F '65

## ELECTROPHORESIS

Blood protein electrophoresis in diabetes mellitus. F. M. Egorova. Probl. endok. i gorm. 10 no. 4:41-44 Ji '64

Determination of microquantities of cobalt using radiochemical method and electrophoresis. I. G. Shafan, I. A. Sirota. Trud. BIE 1 no. 25:244-248 '63

Electrophoretic studies on protein fractions of the blood serum in postinfluenza pneumonia. V. M. Platnev. Sborn. nauch. trud. Inst. infek. boi. no. 4:180-184 '64

Study of the electrophoretic fractionation of RNA in an agar gel by direct densitometry method in an ultraviolet field. R. T. Sanev. Biokhimiya 30 no. 1:124-128 Ja-F '65

Study of the electrophoretic properties of citrate-soluble proteins of the colon bacillus in its variation. F. I. Rashba, M. B. Kagan'skaya. Biokhimiya 30 no. 1:3-6 Ja-F '65

Use of the immunoelectrophoretic method in the study of the antigenic structure of helminths, survey of the literature. O. M. Sokolovskaya. Med. paraz. i paraz. bol. 33 no. 6:735-738 N-D '65

## ELECTROPHYSIOLOGY

Analysis of the interaction of evoked potentials and background bioelectrical activity of the cerebral cortex in rabbits. A. I. A. Supin. Zhur. vys. nerv. deiat. 14 no. 5:1057-1058 N-D '64

Characteristics and nature of monophasic potentials. S. S. Solomonov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:2-93 '64

Characteristics of the polarization of the cerebral cortex according to the degree of impedance and demarcation potential in dogs of various ages. I. I. Gokhblat. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:35-36 '64

Correlation between cellular potentials and physiological parameters of tissue. L. V. Latmanikova. Fiziol. zhur. 51 no. 6:663-668 Je '65

Dependence of the reactions of individual neurons of the lateral geniculate body in rabbits on the intensity of light stimulus. T. G. Beteleva. Zhur. vys. nerv. deiat. 14 no. 6:1048-1056 N-D '64

Effect of antidromic impulses on the spontaneous activity of the internodal spinal neurons in cats. S. M. Sverdlov, E. V. Maksimova. Fiziol. zhur. 51 no. 6:717-722 Je '65

Effect of local stimulation of bulbar pressor structures on the electrical activity of sympathetic nerves. A. M. Rikova, N. K. Saradzhiev, F. D. Shelkhon. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:25-26 '64

Electric activity of the respiratory musculature during changes in the gas content of the blood in patients under apparatus artificial respiration. M. D. Sidorovskaya. Zhur. nev. i psikh. 64 no. 11:1803-1810 '61

Electrical activity of pressoreceptor neurons of the medullary reticular formation following the stimulation of hypothalamic pressoreceptors. O. V. Verzilova, L. N. Kondrat'eva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:31-32 '64

Electrophysiological analysis of reactions of the nervous system to the irritation from pathologically modified tissues. S. I. Frankelstein. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:102-104 '64

Electrophysiological analysis of the functional mobility and of processes regulating the taste receptor apparatus. A. I. Esakov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:43-44 '64

Electrophysiological characteristics of synaptic organizations of the cerebral cortex following food stimulation. K. V. Sudakov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:96-97 '64

Electrophysiological studies of the reflex activity of the respiratory center in experimental botulism. V. N. Airosovim. Pat. fiziol. i eksp. terap. 8 no. 0:71-72 N-D '61

Electrophysiological study of the neurons of the cochlear nucleus in cats. E. A. Radionova, A. V. Popov. Fiziol. zhur. 51 no. 4:441-448 Ap '65

Fields of average velocity changes in the bioelectrical activity of the brain in adenomas of the hypophysis and arachnoiditis of the optic chiasm. V. V. Dubkavitsa. Zhur. nev. i psikh. 65 no. 6:837-843 '65

Functional characteristics of the hypothalamus. E. A. Gromova, K. N. Tkachenko, V. N. Provodina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:37-38 '64

Gusev, V. I. [Electrophysiological study of analyzer systems in the phylogeny of vertebrates] Elektrofiziol. i biokh. issledovaniya analizatornykh sistem v filogeneze pozvonochnykh. [Moskva] Izd-vo Mosk. univ., 1965. 286 p.

Intracellular resting potentials of surviving sensory neurons. M. I. Sologub. Fiziol. zhur. 51 no. 6:886-892 Je '65

Microelectrode study of intracellular potentials of the unfertilized egg cell in Rana temporaria. V. L. Kas'yanov, M. I. Sologub. Vest. LGU 20 no. 9:5-12 '65

Morphological and bioelectrical changes in the interneuronal synapses during the transmission of rhythmic impulses. I. S. Bazanova and others. Fiziol. zhur. 51 no. 4:457-462 Ap '65

Relation of the background activity of neurons of the somatosensory cortex and the characteristics of their functional organization. N. N. Vasilievskii. Fiziol. zhur. 51 no. 6:711-716 Je '65

Relationship between ribonucleic acid dynamics and electrical activity of the single stretch neuron of the rayfish muscle during excitation and inhibition. A. B. Kogan, S. I. Kaguskin. Zhur. evol. biokhim. i fiziol. 1 no. 1:59-66 Ja-F '65

Rhythmic activity of neurons. A. I. Shapovalov. Zhur. vys. nerv. deiat. 15 no. 3:458-460 My-Je '65

Some morphophysiological principles of controlled reactions of the so-called nonspecific cerebral structures. R. A. Durnan, A. G. Rabin. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:41-42 '64

## ELECTROPHYSIOLOGY—MATHEMATICAL MODELS

Antonov, I. G., and others. [Mathematical models of excitation] Matematicheskie modeli vzbuzhdeniya. Kiev, Naukova dumka, 1965. 146 p. (Seriya po novoi tekhnike)

## ELECTROPLATING

Electrochemical deposition of metals on silicon. V. M. Kochegarov, V. M. Ponomareva. Izv. vys. ucheb. zav. i tsvet. met. 8 no. 1:142-146 '65

Lukashovich, G. I. [Strength of press-fitted joints with electroplating] Prochnost' pressovnykh soedinenii s galvanizatsionnymi pokrytiyami. Kiev, Gostekhtizdat USSR, 1961. 59 p.

Metall plating of welded objects of titanium and its alloys. A. G. Anasians and others. Zashch. met. 1 no. 2: 238-239 Mr-Apr '65

## ELECTRORETINOGRAPHY

Study of receptive off-fields of the retina in frogs by means of moving dark stimuli. N. B. Kostal'mova. Zhur. vys. nerv. deiat. 15 no. 3:521-528 My-Je '65

## ELECTROSTATIC APPARATUS AND APPLIANCES

One and two half-cycle feeding of electric precipitator with high-voltage current. N. N. Plutsev, A. A. And. Gintsevskaya. no. 9:122-124 '65

Performance of electrostatic filters with given flow rate coating of molybdenum concentration. I. I. Petukhov, P. I. Voskiyevskii. Sborn. nauch. trud. Gubavsk. ts. no. 0:23-27 '65

## ELECTROSTATIC SEPARATORS

Use of electrostatic separation in the processing of gold containing slime and concentrates. I. M. Khar'kov, Tsvet. met. 8 no. 5:15-18 My '65

## ELECTROSTATICS

Kazantzi, K. K. [Static electricity] Staticheskoe elektrichestvo. Moskva, Znaniye, 1965. 31 p. (Nauka i zhizn, nauka, tekhnika. IV Seriya; Tekhnika, no. 11)

Neutralization of electrostatic charges in the process of motion picture filming. V. N. Shikhov, V. V. Khar'kov. Tekhn. kino i telev. 9 no. 4:56-59 Ap '65

## ELECTROTHERAPEUTICS

Some physiological data in transcutaneous galvanization with a cathodic current in disorders of cerebral circulation. L. S. Lokashina, V. K. Zhogoleva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:161-167 '64

Use of transcutaneous galvanization with an anodic current in disorders of cerebral circulation. V. K. Zhogoleva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:168-173 '64

## ELEMENTARY EDUCATION see Education, Elementary

## ELEPHANTIASIS

Review of P. M. Medvedev's monograph "Elephantiasis of the extremities and the genital organs." I. I. Vest. khir. 93 no. 11:142-144 N '64

## ELEUTHEROCOCCLUS

Glycosides from Eleutherococcus senticosus Maxim. Part I. Isolation and some properties of eleutherosides B and F. I. U. S. Ovodov and others. Khim. priroda no. 1:3-1 '65

## ELEVATORS see subdivision under Moscow

## ELK

Elks, the forest giants. V. Gerasimov. Doshk. vosp. 38 no. 5:62-65 My '65

## ELLIS, FRED, 1885-

Militant vanguard of American graphic artists. F. I. dukovich. Iskusstvo 28 no. 4:50-51 '65

## EMASCULATION see Castration

## EMBANKMENTS

(See also subdivision under Siberia)

Characteristics of the operation of a sand embankment on peat ground. V. P. Bol'shakov. Dokl. AN Kazakh 9 no. 3:187-189 Mr '65

Full-scale testing of embankment horizontal loading. A. S. Marchenko, L. V. Mazurenko, D. I. Vasil'yev. Stroitel. i. no. 1:45-47 Ap '65

## EMBEZZLEMENT see subdivision under Tashkent

(Tyumen' Province)

## EMBOLISM

Diagnosis and treatment of embolism and thrombosis of the pulmonary artery. N. M. Kozlov. Akusher. i ginek. 42 no. 3:26-35 Mr '65

## EMBROIDERY see subdivision under Vladimir Province

## EMBRYOLOGY

Biosynthesis of corticosteroids by adrenal glands of rat embryos. T. S. Sakhatkaya. Probl. endok. i gorm. 10 no. 5:97-100 S-O '64

Content of adrenocorticotrophic hormone in the pituitary body of rats in various stages of embryonic development. I. U. B. Skebel'skaya. Probl. endok. i gorm. 10 no. 5:76-77 S-O '64

Detection of similar antigenic determinants in embryonic specific  $\alpha$ -globulins in man and some animals. P. A. Tatarinov, A. V. Afanas'eva. Biol. eksp. biol. i med. 59 no. 6:65-69 Je '65

Prenatal ontogeny of some nuclei of the thalamus opticae in rabbits. T. I. Belova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:23-24 '64

Prenatal ontogeny of the epithalamus in rabbits. T. I. Belova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:31-33 '64

Processes of destruction of the pronephros and mesonephros of the chick embryo. E. B. Krichinskaya. Arkh. anat. i embriol. 48 no. 3:91-98 Mr '65

Some characteristics of the innervation of the forebrain pericardium in fetuses and newborn infants. S. M. Bogri. Arkh. anat. i embriol. 48 no. 3:10-20 Mr '65

## EMBRYOLOGY—AMPHIBIA

Independence and interdependence of cell differentiation in amphibian embryos. T. Eladala, K. Jones. Usp. sov. biol. 50 no. 3:470-482 My-Je '65

## EMBRYOLOGY—AMPHIBIA (Continued)

Microelectrode study of intracellular potentials of the unfertilized egg cell in *Rana temporaria*. V. L. Kas'ianov, M. I. Sologub. Vest LGU 20 no 9 6-12 '65.

## EMBRYOLOGY—BIRDS

Formation of glycine in the liver of the chick embryo K. O. Drel'. Ukr. biokhim. zhur. 36 no 5:751-755 '64. Phospholipids of subcellular brain particles in chick embryology. E. M. Klops and others. Zhur. evol. biokhim. i fiziol. 1 no. 1:16-25 Ja-F '65.

## EMBRYOLOGY—FISHES

Increase in cytochrome oxidase activity in homogenates and isolated mitochondria of loach embryos. G. V. Dotsenko, A. A. Nefakh. Biokhimiia 29 no 4:636-642 Ji-Ag '64.

## EMERGENCY MEDICAL SERVICES

(see also subdivision under Moscow)

Aleksandrov, N. M., A. V. Klementov, and V. A. Malyshev. [Emergency stomatological aid] Neotlozhnaya stomatologicheskaya pomoshch'. [Leningrad] Meditsina, 1965. 110 p. (Biblioteka prakticheskogo vracha) (DNLM)

Cerebral spinal anesthesia in emergency surgery. A. A. Beliaev, A. I. Shilonskaya. Trudy Inst. im N. V. Sklif. 9:109-102 '63.

Characteristics of anesthesia in emergency surgical interventions. E. A. Damir and others. Trudy Inst. im N. V. Sklif. 9:175-180 '63.

Combined endotracheal anesthesia in emergency surgical aid. S. A. Bogomolov. Trudy Inst. im N. V. Sklif. 9:226-232 '63.

Emergency and planned surgery in elderly patients. B. A. Petrov. Trudy Inst. im N. V. Sklif. 9:8-12 '63.

Emergency surgery in elderly and senile persons based on materials of the Sverdlovsk Surgical Clinic for 10 years. N. K. Kudryavtseva, V. K. Titov. Trudy Inst. im N. V. Sklif. 9:30-37 '63.

Regurgitation and vomiting during anesthesia under conditions of emergency surgery. Z. V. Platonova. Trudy Inst. im N. V. Sklif. 9:243-240 '63.

## EMPLOYEE VACATIONS see Vacations, Employee

## EMPLOYEES, DISMISSAL OF

(see also subdivision under Magadan)

Dismissal of chauffeurs deprived of the right to drive. L. G. Kontakhin. Vest Mosk. un. Ser. 10 Pravo 20 no. 1:28-32 Ja-Mr '65.

Strengthening control by plant and local committees of trade unions over the observance of the law in the dismissal of workers and employees. Zhil. i kom. khoz. 13 no. 4:14 Ap '65.

## EMPLOYERS' LIABILITY

Hearing procedures for recovery suits brought by the organs of social insurance need revision. N. Gizatullin, F. Kul'berisov. Sov. iust. 20 no. 11:14-15 Je '65.

## EMPLOYMENT INTERVIEWING see subdivision under United States

## EMULSIFYING AGENTS

Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and a cation-active emulsifier. S. D. Stavrova, M. F. Margari-tova, S. S. Medvedev. Vysokom. soed. 7 no. 4:717-724 Ap '64.

Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and an anion-active emulsifier. S. D. Stavrova, M. F. Margari-tova, S. S. Medvedev. Vysokom. soed. 7 no. 1:725-728 Ap '65.

## EMULSIONS

Basic principles in carrying out emulsion polycondensation. L. B. Sokolov. Vysokom. soed. 7 no. 4:601-605 Ap '65.

Effect and role of HCL acceptors in emulsion polycondensation in the presence of aromatic reagents. L. B. Sokolov, T. V. Kudim. Vysokom. soed. 7 no. 4:634-637 Ap '65.

Microscopic observation of ice formation in cooled inverse emulsions. A. A. Ravidel', G. A. Kozlov. Koll. zhur. 27 no. 2:287-288 Mr-Ap '65.

The "PPK-1" preparation composition for the formation of nylon fibers. E. S. Gurdzhi and others. Khim. volok. no. 2:80-81 '65.

Role of quasi-spontaneous emulsification in the process of stabilization of emulsions. A. B. Taubman, S. A. Nikitina, V. N. Prigorodov. Koll. zhur. 27 no. 2: 281-282 Mr-Ap '65.

## EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

## ENAMEL AND ENAMELING

Capacity of titanium, titanium-vanadium and manganese steels for enameling. G. I. Beliaev, A. S. Es'kov, I. D. Barinov. Mashinostroyeniye no. 3:83-85 My-Je '65.

## ENCEPHALITIS, EPIDEMIC see subdivision under Kirov Province; White Russia

## ENCEPHALITIS, EPIDEMIC—PREVENTIVE INOCULATION

Materials for the study of immunological changes in patients vaccinated and revaccinated with tissue encephalitis vaccine. S. S. Unanov, A. V. Shutov. Vop. virus. 9 no. 5:604-608 9-O '64.

Postvaccinal and postinfection immunity in tick-borne encephalitis. B. F. Semenov and others. Vop. virus. 9 no. 5:587-601 S-O '64.

Rate of antibody accumulation in patients during the early period following vaccination and revaccination against tick-borne encephalitis. M. P. Chumakov and others. Vop. virus. 9 no. 5:601-604 S-O '64.

## ENCEPHALITIS VIRUSES

Determination of the average lethal dose (LD<sub>50</sub>) and evaluation of its significance. I. A. Chistiakov. Vop. virus. 9 no. 5:626-630 S-O '64.

Polyelectronic organization of viral RNA. V. M. Zhdanov, V. M. Stakhanova, F. I. El'shov. Vop. virus. 9 no. 5:564-569 S-O '64.

Study of acute and chronic infection caused by the virus of tick-borne encephalitis in tissue culture. Report No. 3 On the possible mechanism of chronic infection. A. A. Avakian, A. D. Altshuler. Vop. virus. 9 no. 5:575-580 S-O '64.

## ENCEPHALOMYELITIS

Case of Harada's disease. Z. T. Kulieva. Azerb. med. zhur. 42 no. 3:82-85 Mr '65.

Problem of Harada's disease. S. I. Valikhan, F. G. Zairova. Azerb. med. zhur. 42 no. 3:76-81 Mr '65.

## ENCYCLOPEDIAS AND DICTIONARIES

Various types of bilingual dictionaries. V. G. Gak. Uch. zap. Kaf. perev. MGPIIA no. 2:71-78 '64.

## ENDOCARDITIS

Fibroelastosis of the endocardium. A. Profis, M. Pav-ski. Vest. iust. i rad. 39 no. 6:12-16 N-D '64.

Teodor, M. I. [Chronic septic endocarditis (endocarditis septicola lenta)] Zalfazhno septicheskiy endokardit (Endokarditis septicola lenta). Moskva, Meditsina, 1965. 282 p. (Biblioteka prakticheskogo vracha) (DNLM)

## ENDOCRINE GLANDS

Conditions for the regeneration of endocrine organs. A. A. Volkovich. Arkh. anat. i embriol. 48 no. 3: 111-120 Mr '65.

Ontogenesis of the adrenal glands and thymolymphoid organs under normal conditions and following intermittent growth-inhibiting diet. V. N. Nikitin and others. Zhur. evol. biokhim. i fiziol. 1 no. 1:45-51 Ja-F '65.

## ENDOCRINE GLANDS—DISEASES

Neuroplegic therapy of mental disorders in endocrine diseases. A. K. Dobrzhanakata. Probl. endok. i gorm. 10 no. 5:41-48 S-O '64.

Rare case of huge ascites in a patient with hypertrophic liver cirrhosis combined with splenomegaly and endocrinopathy. Kh. A. Ovanesiants. Trudy Inst. im N. V. Sklif. 5 no. 2:216-220 '62.

## ENDOCRINOLOGY

Significance of the level of self-regulation in the hypophysis and "peripheral" endocrine glands for physiology and pathology of the endocrine system. P. A. Vander. Usp. sovr. biol. 60 no. 3:433-442 My-Je '65.

## ENDOMETRIOSIS

Practices in treating vaginitis and endometritis in cows using colamine. D. G. Grigorian. Veterinarlia 42 no. 6:72-73 Je '65.

Treating endometritis in cows. A. I. Dentsov, I. A. Iakovenko. Veterinarlia 42 no. 6:73-74 Je '65.

## ENERGY METABOLISM

Energy metabolism and tissue composition in thyroid diseases. E. A. Urmun. Probl. endok. i gorm. 10 no. 4:46-49 Ji-Ag '64.

Main trends in the evolution of tissue energy metabolism in some vertebrates. N. A. Verzhbina, M. V. Savina. Zhur. evol. biokhim. i fiziol. 1 no. 1:26-31 Ja-F '65.

Probable participation of free radicals in the biological processes of energy transfer. V. N. Zholkevich, A. G. Chetverikov, A. I. Rogacheva. Fiziol. rast. 22 no. 2: 193-203 Mr-Ap '65.

## ENGELGARDT, VLADIMIR ALEKSANDROVICH, 1894-

Vladimir Aleksandrovich Engelgardt; on his 70th birthday. A. I. Kolotikova. Vest LGU 20 no. 9:165-168 '65.

## ENGELS, FRIEDRICH, 1820-1895

Development of the views of K. Marx and F. Engels on the Asian mode of production and agricultural community. N. B. Ter-Akopian. Nar. Az. i Afr. no. 3:70-85 '65.

F. Engels' letter. Vop. ist. KPSS 9 no. 7:3-10 Ji '65.

Seleznov, K. L. [Role of K. Marx and F. Engels in founding the proletarian press] Rol' K. Marksa i F. Engelsa v sozdani rabochel pechat. Moskva, Mysl', 1965. 91 p.

Vodolazskii, A. F. [From the history of the struggle of Marx and Engels for collective party guidance] Iz istorii bor'by Marksa i Engelsa za kollektivnost' partinogo rukovodstva. Tashkent, Gos. izd-vo UzSSR, 1963. 85 p. (CSL-H) (NC)

## ENGINEERING, RAILROAD see Railroad engineering

## ENGINEERING GEOLOGY see subdivision under Lithuania, Uzbekistan

## ENGINEERING STANDARDS see Standards, Engineering

## ENGINEERS

All depends on the man. N. Pchelkin. NTO 7 no. 5: 29 My '65.

Bailova, V. G., A. S. Duchal, and A. A. Zemtsov. [Leisure time and the all-round development of personality] Svoobodnoe vremia i vsostoronnnee razvitiie lichnosti. Moskva, Mysl', 1965. 270 p.

## ENGLAND see Great Britain

## ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

English-Russian dictionary on submarines and anti-submarine defense. A. A. Chirkov. Mor. sbor. 47 no. 5: 82-93 My '64.

Kocherov, N. P., A. A. Rimskii-Korsakov, and A. V. Rimskii-Korsakov, comps. [English-Russian acoustical dictionary] Anglo-russkii akusticheskii slovar'. Pod red. A. V. Rimskogo-Korsakova. Moskva, Sovetskaya Entsiklopediia, 1965. 387 p.

Some problems in compiling dictionaries of special terminology. S. N. Andrianov. Uch. zap. Kaf. perev. MGPIIA no. 2:78-91 '64.

Some remarks on the polysemy and undifferentiation of words in bilingual dictionaries. L. G. Khorokhorin. Uch. zap. Kaf. perev. MGPIIA no. 2:91-99 '64. Translation of English phrases in an English-Russian phrase dictionary. A. V. Kunin. Uch. zap. Kaf. perev. MGPIIA no. 2:3-20 '64.

## ENGLISH LANGUAGE—HISTORY

Smirnitaki, A. I. [History of the English language (the Middle and Modern periods); a lecture course] Istoriia angliiskogo iazyka (sredni i novyi period), kurs lektii. [Moskva] Izd-vo Mosk. univ., 1965. 135 p.

## ENGLISH LANGUAGE—MACHINE TRANSLATING

Determining the role of substantives and verbs in an English text during grammatical analysis for machine translation. I. N. Marchuk. NTI no. 3:39-43 '65.

## ENGLISH LANGUAGE—STUDY AND TEACHING

Children get acquainted with colors. E. Matetskaya. Doshk. vosp. 38 no. 4:16-17 Ap '65.

First steps. I. Nemchenok. Doshk. vosp. 38 no. 4:9-11 Ap '65.

Methods of teaching. E. Vorob'eva. Doshk. vosp. 38 no. 4:12-15 Ap '65.

## ENGLISH LANGUAGE—TECHNICAL ENGLISH

Pronina, R. F. [Textbook for the translation of English scientific-technical literature] Posobie po perevodu angliiskoi nauchno-tekhnicheskoi literatury. Pod red. A. E. Chernukhina. Moskva, Vysshaya shkola, 1965. 215 p.

## ENGLISH LANGUAGE—TERMS AND PHRASES

Translation of English phrases in an English-Russian phrase dictionary. A. V. Kunin. Uch. zap. Kaf. perev. MGPIIA no. 2:3-30 '64.

## ENGLISH LANGUAGE—TRANSLATING

Pronina, R. F. [Textbook for the translation of English scientific-technical literature] Posobie po perevodu angliiskoi nauchno-tekhnicheskoi literatury. Pod red. A. E. Chernukhina. Moskva, Vysshaya shkola, 1965. 215 p.

Semantic analysis of the English words "some" and "any" and their derivatives and rules for translating these words into Russian. O. N. Silverstova. Vest. Mosk. un. Ser. 7: Fiziol. zhur. 20 no. 1:53-64 Ja-F '65.

Verbs of an adverbial meaning and their translation into Russian. T. R. Levitskaya, A. M. Flierman. Uch. zap. Kaf. perev. MGPIIA no. 2:20-40 '64.

## ENGLISH LANGUAGE—TRANSLATIONS INTO RUSSIAN

I. I. Vvedenskii's translation of phrases in works by Dickens and Thackeray. I. A. Borodianskii. Uch. zap. Kaf. perev. MGPIIA no. 2:100-108 '64.

## ENGLISH LANGUAGE—VERB

Verbs of an adverbial meaning and their translation into Russian. T. R. Levitskaya, A. M. Flierman. Uch. zap. Kaf. perev. MGPIIA no. 2:20-40 '64.





## ERYTHINUM

Pathological changes in internal organs of cats following poisoning by Erythrinum. N. S. Dubinin. Trudy Inst. fiziol. AN Kazakh SSR 7:82-87 '64

## ERYTHREMIA

Blood protein fractions in thyrotoxicosis, myeloma, erythremia and their treatment with isotopes. A. L. Koryeva. Trudy TSU 71:119-125 '61

Comprehensive method of studies in the diagnosis of erythremia and secondary erythrocytosis. N. N. Chernysheva. Trudy TSU 71:132-138 '61

Determination of the radiation dose in the liver of patients with polycythemia on the basis of bromstrahlung in the use of radiophosphorus therapy. V. I. Lapchenkov. Med. rad. 10 no. 5:51-55 My '65

Functional state of the gastrointestinal tract in radiophosphorus therapy of polycythemia vera. Z. T. Belugina. Med. rad. 10 no. 5:35-40 My '65

Measuring the mass of circulating erythrocytes and the volume of blood with the aid of radioactive chromium in differential diagnosis in erythremia and secondary erythrocytosis. N. N. Chernysheva. Trudy TSU 71:140-145 '64

Study of the functional state of the thyroid gland in erythremia. A. L. Koryeva, N. I. Mitashova. Trudy TSU 71:70-72 '61

Study of the liver by the use of  $^{131}$ I-tagged rose bengal in erythremia. A. L. Koryeva, R. G. Nikitina. Trudy TSU 71:180-185 '61

Study of transaminases and 17-hydroxycorticosteroids in the urine of patients with erythremia treated with radioactive phosphorus. A. L. Koryeva, I. F. Shcherbak, I. U. IA. Dachevskii. Trudy TSU 71:126-131 '61

Treatment of polycythemia with radioactive phosphorus and the sexual functions of the female organism. A. L. Koryeva, A. A. Nestorova. Trudy TSU 71:91-99 '64

## ERYTHROCYTES

Changes in the osmotic resistance of erythrocytes in muscular training. Z. I. Babashova, G. IA. Baido. Fiziol. zhur. 31 no. 5:621-625 My '65

Determination of the function of the thyroid gland by the accumulation of tagged  $^{131}$ I-thyroxine in the erythrocytes. V. K. Modestov and others. Trudy TSU 71:61-69 '61

Distribution of erythrocytes in the blood as to their immune resistance in a healthy person. V. T. Postova, M. F. Balbekas. Izv. SO AN SSSR no. 12 Ser. biol.-med. nauk no. 1:127-132 '61

Effect of artificial blood circulation on the life span of  $^{51}$ Cr labeled erythrocytes, on the problem of the mechanism of the development of post perfusion anemia. K. M. Shul'man, M. G. Shitikova. Med. rad. 10 no. 3:18-20 My '65

Fluorescence of erythrocytes of the peripheral blood under conditions of vital fluorochroming with Acridine Orange. V. A. Kolpakov. Probl. gemat. i perel. krovi 10 no. 1:39-42 Ap '65

Peroxide resistance of erythrocytes. A. A. Pokrovskii, A. A. Abramov. Vop. pit. 23 no. 6:44-49 N-D '64

Quantitative content of methemoglobin in individual erythrocytes. N. V. Gornjakova, I. A. Terkov, V. A. Chelilavskii. Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk no. 3:123-129 '61

## ERYTHROPOIETIN

Erythropoietin and regulation of erythropoiesis: survey of materials of the conference held in San Francisco, U.S.A. S. I. Shkhet, A. IA. Ibragimovskii. Probl. gemat. i perel. krovi 10 no. 4:54-58 Ap '65

Symposium on erythropoietin in Sverdlovsk. A. IA. Ibragimovskii, S. I. Shkhet. Probl. gemat. i perel. krovi 10 no. 4:59-60 Ap '65

ESCALATORS see subdivision under Moscow

## ESCHERICHIA COLI

Accelerated indicator method for determining vitamin B<sub>12</sub>. V. M. Novikov and others. Veterinaria 42 no. 5:100-108 My '65

Antagonistic activity of Escherichia coli M-17 on solid culture media with various content of salt. I. U. A. Tomalina. Zhur. mikrobiol. i epid. i immun. 42 no. 3:143-144 My '65

Evaluation of the methods for studying the virulence of enteropathogenic Escherichia coli. D. A. Jakobson. Zhur. mikrobiol. i epid. i immun. 42 no. 3:137 Mr '65

## ESCHERICHIA COLI—CULTURES AND CULTURE MEDIA

Accelerated and simplified method of laboratory diagnosis of intestinal coli infections with the use of liquids containing specific serum media. L. V. Golubeva and others. Zhur. mikrobiol. i epid. i immun. 42 no. 2:21-26 F '65

Nucleic acid synthesis in synchronous E. coli cultures. G. D. Borlyshev. Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk no. 3:151-153 '64

Nucleotide composition of DNA in various strains of Escherichia coli. V. I. Gladkaya. Zhur. mikrobiol. i epid. i immun. 42 no. 2:3-8 F '65

Study of the electrophoretic properties of citrate-soluble proteins of the colon bacillus in its variation. IA. Raikba, M. B. Koganskaya. Biokhimiya 30 no. 11:3-6 Ja-F '65

## ESHPAI, ANDREI IAKOVLEVICH, 1925-

Affirmation of light. M. Roitershtein. Sov. muz. 29 no. 5:11-20 My '65

## ESOPHAGUS—ABNORMALITIES AND DEFORMITIES

Clinical importance of the state of the esophagus in deformities of the spine of tuberculous etiology. R. G. Perts. Vest. rent. i rad. 40 no. 2:69-70 Mr-Ap '65

## ESOPHAGUS—BLOOD SUPPLY

Structural adaptation of the arterial bed in the esophagus under experimental conditions. V. L. Zelik. Arkh. anat. i gist. embri. 47 no. 10:56-61 O '64

## ESOPHAGUS—CANCER

Combination of esophageal cancer and syphilitic lesion of the bones. E. A. Brusilovskii. Vest. rent. i rad. 40 no. 1:64 Ja-F '65

Course of anesthesia, the operation and the postoperative period in patients with cancer of the esophagus following X-ray irradiation. P. K. D'achenko. Vop. onk. 10 no. 12:10-15 '64

Results of radiotherapy in cancer of the esophagus. I. A. Poreslegin, A. I. Barkanov. Med. rad. 10 no. 5:3-8 My '65

Röntgenocinetography in the diagnosis of cancer of the laryngopharynx and cervical portion of the esophagus. L. F. Kevesh. Vop. onk. 11 no. 1:11-15 '65

Treatment of cancer of the thoracic section of the esophagus. A. S. Lur'e. Vop. onk. 11 no. 3:8-13 '65

## ESOPHAGUS—SURGERY

Course of anesthesia, the operation and the postoperative period in patients with cancer of the esophagus following X-ray irradiation. P. K. D'achenko. Vop. onk. 10 no. 12:10-15 '64

Treatment of cancer of the thoracic section of the esophagus. A. S. Lur'e. Vop. onk. 11 no. 3:8-13 '65

## ESSENCES AND ESSENTIAL OILS

Auxins and the yield of mint oil. K. Dobrev, A. Martynenko, L. Iliev. Zemledelie 27 no. 5:91-92 My '65

Third International Congress on Essential Oils. G. Pigulevskii. Rast. res. 1 no. 1:152-153 '65

## ESTERS

Catalytic polymerization of unsaturated polyesters; Carbanion polymerization of polyester maleate. T. E. Lipnova. Plast. massy no. 3:6-8 '65

Decarboxymethyl esters of dibasic carboxylic acids. V. V. Dovlatin, T. O. Chakrian. Izv. AN Arm. SSR. Khim. nauki 17 no. 8:651-655 '64

Effect of certain factors on the baking of unsaturated polyester resins. O. M. Levitskain and others. Plast. massy no. 4:18-20 '65

Thermooxidative degradation of unsaturated polyesters. B. M. Kovarskain and others. Plast. massy no. 5:5-7 '65

## ESTONIA—AGRICULTURAL WAGES

Material work stimuli. M. Shtrum. Part. zhizn' no. 12:16-22 Je '65

## ESTONIA—BAPTISTS

Common joy of the Estonian Brotherhood. A. Arder. Brat. vest. no. 6:50-52 '64

## ESTONIA—BOULDERS

Accumulation of boulders on the seacoasts of Estonia. Kaarel K. Orviku. Okeanologiya 5 no. 2:316-321 '65

## ESTONIA—COASTS

Accumulation of boulders on the seacoasts of Estonia. Kaarel K. Orviku. Okeanologiya 5 no. 2:316-321 '65

## ESTONIA—DESCRIPTION AND TRAVEL

A talk about my republic. Ants Saar. Nov. vrem. 23 no. 29:8-10 Ji '65

## ESTONIA—INDUSTRIES

Our basic capital. Arnold Veimer. Nov. vrem. 23 no. 29:6-7 Ji '65

## ESTONIA—POLITICS AND GOVERNMENT

Estonian S.S.R. Ulemnukogo. [Sixth Supreme Soviet of the Estonian S.S.R., fifth session, December 23-24, 1964. Verbatim report.] Platain sessia Verikdov-nogo Soveta Estonskoi SSR shestogo sozyva, 23-24 dekabria 1964 goda. Stenograficheski oichet, Tallinn, Eesti Raamat, 1965. 155 p.

## ESTONIA—RAILROADS—MAINTENANCE AND REPAIR

Achievements of Estonian railroad workers. R. I. Mikhailov. Put' i put. khoz. 9 no. 3:18-19 '65

## ESTONIA—SERVICE INDUSTRIES

On the remotest farms. D. Arkad'ev. Sov. profsoyuz 21 no. 12:22-23 Je '65

## ESTONIA—THEATERS—STAGE SETTING AND SCENERY

For the sake of art! Kaarel Ird. Teatr 26 no. 3:53-57 Mr '65

## ESTONIA—TRANSPORTATION—COST OF OPERATION

Potentials for the reduction of transportation costs in the Estonian SSR. M. S. Seigeev. Zhel. dor. transp. 47 no. 4:78-79 Ap '65

## ESTONIA—VETERINARY HYGIENE

Teach and demand. V. A. Vahit. Veterinariia 41 no. 6:7-10 Jc '64

## ESTONIAN ART see Art, Estonian

## ESTONIAN DRAMA—HISTORY AND CRITICISM

Dramatism of prose and narrative nature of dramaturgy. Z. Krakhmal'nikova. Vop. lit. 9 no. 3:36-45 Ma '65

## ESTONIAN LANGUAGE—GRAMMAR

Interrelation of spontaneous and arbitrary processes in the development of language. K. I. Bakhtin. Vop. iaz. 14 no. 13:131-136 My-Jc '65

## ESTROGENS

Gonadotropins, estragens and pregnandiol in the normal menstrual cycle. O. N. Savchenko, G. S. Stepanov. Probl. endok. i germ. 10 no. 4:17-13 Ji-Ag '64

## ETCHINGS

Leningrad. Ermitazh. [One-hundred etchings of the 16th to the 19th centuries from the collections of the State Hermitage] Sto otkritov XVI-XIX vekov iz sobraniia Gosudarstvennogo Ermitazha. Leningrad, Sovetskii khudozhnik, 1964. 129 p. illus

## ETHANES

Hydrogenolysis of ethane in a flow system on nickel catalysts. A. A. Balandin and others. Kin. i kat. 6 no. 1:115-120 Ja-F '65

## ETHANES—TOXICOLOGY

Diagnosis and treatment of poisoning by alcohol "surrogates" (methyl alcohol and dichloroethane). V. A. Zolotareva. Trudy Inst. im. N. V. Sklif. 5 no. 2:184-189 '62

## ETHANOL

Catalytic conversion of ethanol to butadiene. S. K. Bkhutachia. N. D. Garguli, B. N. Avastkhi. Kin. i kat. 5 no. 1:144-148 Ja-F '65

## ETHANOL—THERAPEUTIC USE

Practices in treating vaginitis and endometritis in cows using colomane. D. G. Grigorian. Veterinariia 42 no. 6:72-73 Je '65

## ETHERS

Chemistry of acetylene. Part 1: Addition of  $\alpha$ -chloro-methyl ethers to tetramethylbutyne-1,4-diol and some transformations of products obtained. S. A. Vartanian, A. O. Tosundin. Izv. AN Arm. SSR. Khim. nauki 17 no. 6:668-671 '64

Development of the concepts of photoconductivity of ether solution of halo derivatives. I. U. A. Kopylov. Elctrokhimiya 1 no. 5:579-584 My '65

Distribution of iron (III) between aqueous solutions of salts and ether. V. E. Mironov, I. I. Rukovskii. Zhur. neorg. khim. 10 no. 5:1069-1074 My '65

ETHNOLOGY see subdivision under Caucasus, Northern; Europe, Eastern; Yenisey Valley

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

## ETHNOLOGY—CONGRESSES

Problems concerning Slavic studies at the International Congress of Ethnography. V. K. Sokolova. Sov. slav. 2:113-117 '65

The Seventh International Congress of Anthropological and Ethnographical Sciences. A. Orasov, O. Berdyev, D. Khulaberdiev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 6:94-96 '64

## ETHYL ALCOHOL

Quality of ethyl alcohol. I. Z. Emel'ianova, L. V. Barandovskaya. Gidroliz. i isokhrom. prom. 18 no. 4:12-13 '65

Reaction of higher alkylchlorosilanes with ethyl alcohol. K. A. Andrianov, B. A. Izmailov. Zhur. ob. khim. 35 no. 6:1041-1044 Je '65

Reaction of triethoxysilane with ethyl alcohol. S. I. Kleshchevnikova, G. A. Dubrovskaya, E. I. Rumiantseva. Plast. massy no. 3:14-16 '65

Use of ethanol in the isolation of sodium-22 from cyclotron targets. A. S. Zhukovskaya. Radiokhimiya 7 no. 1:125-126 '65

## ETHYL ALCOHOL—TOXICOLOGY

Case of death from acute alcohol poisoning. V. F. Chuchkalov. Trudy Inst. im. N. V. Sklif. 5 no. 2:205-208 '62

## ETHYLENE

Coating of parts in a fluidized bed with trifluorochloro-ethylene. A. L. Shterenson, I. I. Stavitsaer. Plast. massy no. 3:53-55 '65

#### ETHYLENE (Continued)

Optimum temperature conditions for oxygen-induced polymerization of ethylene. P. A. Shatkin. *Plast. mass.* no. 4, 1965.

Pressure effect of ethylene on the pressure of various polymers. P. A. Shatkin. *Plast. mass.* no. 4, 1965.

Production of primary higher fatty alcohols from ethylene. A. T. Menzib and others. *Khim. prom.* 41 no. 5, 1965.

Structure of benzotrifluoride. Part 3: Polymerization of a double bond in the derivatives of benzotrifluoride. I. M. Lagupol'skiy, I. A. Fialkov. *Zhur. obshch. khim.* 35 no. 6, 1965.

#### ETHYLENE—SPECTRA

Infrared spectrum of the trifluoroethylene molecule. I. A. Fialkov. *Zhur. obshch. khim.* 35 no. 6, 1965.

#### ETHYLENE GLYCOL

Electrochemical mixed catalysis in the electrooxidation of ethylene glycol in alkaline medium. A. S. Borisov, B. K. G. V. Vavilova, I. F. Dantel'skiy. *Zhur. prikl. khim.* 38 no. 4, 1965.

#### ETHYLENE OXIDE

Synthesis of the oxanes  $\text{R}(\text{COO}(\text{C}_2\text{H}_5)_2)_n\text{OC}(\text{C}_2\text{H}_5)_2$ . N. N. Zolotarev and others. *Zhur. obshch. khim.* 35 no. 6, 1965.

#### ETHYLENE POLYMERS

Use of the infrared spectroscopy method for studying "polymer" fibers. M. B. Sigal, M. V. Shabiygin, V. I. Varsavskiy. *Khim. volokn.* no. 2, 1965.

#### ETHYLENEDIAMINE

Bis-phenyl ethylenediamine, a luminescent reagent for the determination of magnesium. G. V. Serbriyakov and others. *Trudy IRI* no. 25, 1965.

Transition metal ethylenediamine complexes. A. V. Babayeva, I. B. Baranovskiy, G. G. Afanas'yeva. *Zhur. neorg. khim.* 10 no. 5, 1965.

#### ETHYLENIMINE

Complexes of ethylenimine nitrogen with an activated double bond. R. G. Kostikovskiy, O. V. Iuzhakov, V. F. Dystov. *Zhur. VKhO* 10 no. 2, 1965.

N-tertiary ethylenimine. R. G. Kostikovskiy. *Zhur. VKhO* 10 no. 2, 1965.

#### ETHYLENIMINE—EFFECT ON PLANTS

Effect of ethylenimine on

#### ETRUSCANS

Zaleskiy, N. N. [Contributions to the history of the Etruscan colonization of Italy from the 7th to the 4th B.C. Etruscans in Campania, Etruscans, Greeks and Carthage in the 5th and 4th century B.C.] *Kistoriya etruskoy kolonizatsii Italii v VII-IV vv. do n. e. Etruski v Kampanii, etruski, greki i karfagen v VII-IV vv. do n. e.* [Leningrad] Izd-vo Leningr. univ., 1965. 121 p.

#### EUPHRAZIACEAE

see subdivision under Newfoundland

#### EUROPE—CIVILIZATION, MEDIEVAL

East and West from the 12th to the 13th century. I. A. Orbell. *Vop. ist.* 40 no. 6, 1965.

#### EUROPE—COMMERCE

The West and Eastern Europe. I. Orlik. *Mezhdunar. zhurn.* 12 no. 8, 1965.

#### EUROPE—CYCLONES

Vil'skiy, L. A. [Monthly, seasonal, and annual characteristics of the barometric circulation regime of the European natural synoptic region, 1900-1964] *Meslachnye, sezonnyye i godovyye kharakteristiki bariko-sinopticheskogo rezhima evropeyskogo estestvennogo sinopticheskogo raiona 1900-1964 gg.* Leningrad, Gidrometeoizdat, 1965. 177 p.

#### EXTRACTION

of the air. N. Khomutov.

#### EUROPE, EASTERN—COMMERCE

New developments in the organization and methods of administration. *Vnesh. tor.* 45 no. 6, 1965.

#### EUROPE, EASTERN—ECONOMIC CONDITIONS—STATISTICS

Economic development of the fraternal socialist countries, facts and figures. *Agitator* 33 no. 1, 1965.

#### EUROPE, EASTERN—ECONOMIC POLICY

New developments in the organization and methods of administration. *Vnesh. tor.* 45 no. 6, 1965.  
New methods of administering socialist economy. O. Bogomolov. *Nov. vrem.* 23 no. 27, 1965.

#### EUROPE, EASTERN—ETHNOLOGY

Akademiya nauk SSSR, Institut etnografii, [Peoples of the European part of the U.S.S.R.] *Narody Evropeiskoi chasti SSSR. Pod red. V. N. Belitskiy i dr.* Moskva, Nauka, Vol. 2, 1964. 817 p. (Narody mira, etnograficheskoye obozreniye.)

Ethnographical aspects in the historians' reports at the Seventh (Kishinev) Session of the International Symposium on the Agrarian History of Eastern Europe. L. V. Markova. *Sov. etn.* no. 2, 1965.

#### EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS

Important factor in the economic development of the liberated countries. E. Utkin. *Plan. khoz.* 42 no. 6, 1965.

#### EUROPE, EASTERN—HISTORY

In the Sector of the history of the people's democratic countries attached to the Institute of History of the Academy of Sciences of the U.S.S.R. G. N. Sapozhnikova. *Sov. slav.* no. 2, 1965.

#### EUROPE, EASTERN—HISTORY—SOURCES

One of the sources of the "Treatise about two Sarmatias" by Maciej Miechowita. B. Florea. *Sov. slav.* no. 2, 1965.

#### EUROPE, EASTERN—LAND TENURE

[Yearbook on the agrarian history of Eastern Europe for 1962] *Ezhegodnik po agrarnoy istorii Vostochnoy Evropy 1962 g.* Minsk, Nauka i tekhnika, 1964. 574 p.

#### EUROPE, EASTERN—PROBATION

The suspended sentence in the law of the European socialist countries. M. Geif'er. *Sots. zakon.* 42 no. 3, 1965.

#### EUROPE, EASTERN—SENTENCES (CRIMINAL PROCEDURE)

The suspended sentence in the law of the European socialist countries. M. Geif'er. *Sots. zakon.* 42 no. 3, 1965.

#### EUROPE, EASTERN—SOCIALISM

Sector of the History of Slave Nations Abroad in the Epoch of Socialism. M. I. Kopasheva. *Sov. slav.* no. 2, 1965.

#### EUROPE, EASTERN—WORLD WAR, 1939-1945—CAMPAIGNS

How the last campaign to the defeat of Hitler's Germany was planned. S. Shimenko. *Voen.-ist. zhurn.* 7 no. 5, 1965.  
Shattering volleys. N. N. Voronov. *Oktyabr'* 42 no. 6, 1965.

#### EUROPE, WESTERN—CITIES AND TOWNS

Filipenko, A. A. [On foreign streets; port cities of Western Europe] *Na chuzhikh ulitsakh; portovyye goroda Zapadnoy Evropy.* Moskva, Transport, 1965. 220 p.

#### EUROPE, WESTERN—FASCISM

Alekseev, V. R. [The shadow of the Iron Heel; the danger of fascism in Western Europe] *Ten' Zheleznoi plati; o fashistskoy opasnosti v Zapadnoy Evrope.* Moskva, Politizdat, 1964. 44 p. (MH)

#### EUROPE, WESTERN—HARBORS

Filipenko, A. A. [On foreign streets; port cities of Western Europe] *Na chuzhikh ulitsakh; portovyye goroda Zapadnoy Evropy.* Moskva, Transport, 1965. 220 p.

#### EUROPE, WESTERN—MEDIEVAL STUDIES

Some problems of the sociopolitical history of the Carolingian period in the contemporary West-European medieval studies. I. L. Bessmertnyy. *Sred. veka* no. 26, 1965.

#### EUROPE, WESTERN—OILS AND FATS

Markushina, V. I. [Import requirements of West European countries in fats and oils] *Importnyye potrebnosti zapadnoevropeyskikh stran v zhirakh i maslakh.* Moskva, 1965. 48 p. (Bulletin' inostrannoy kommercheskoy informatsii; prilozheniye, no. 8)

#### EUROPE, WESTERN—PETROLEUM INDUSTRY

Western Europe: oil and monopolies. B. Andrianov, V. Kuzova, M. I. Skon. *Imizhman, etc.* no. 3, 1965.

#### EUROPE, WESTERN—URBANIZATION

Urbanization in the capitalist countries of Western Europe. G. M. Lippa. *Vop. geogr.* no. 6, 1965.

#### EUROPEAN COMMON MARKET

see European Economic Community

#### EUROPEAN CORN BORER—BIOLOGICAL CONTROL

see subdivision under Bukovina

#### EUROPEAN CORN BORER—EXTIRMINATION

division under Kuz'kovskiy

#### EUROPEAN ECONOMIC COMMUNITY

Confusion in the "Common Market." L. Bakushchik. *Nov. vrem.* 23 no. 28, 1965.

Novosibirsk, Institut inzhenerov zheleznodorozhnogo transporta, [Integrating and the basis of integration conditions; material approved by the Institute of Economics as an aid to the students of engineering evening and day sections of the Novosibirsk Institute of Railway Engineers] *Integratsiya i ekonomicheskiye usloviya razvitiya zheleznodorozhnogo transporta v pomoshch' etim uchashimsya.* Novosibirsk, 1963. 26 p. (CSI-II)

What happens on the "Common Market." J. Novosibirsk. *Nov. vrem.* 23 no. 28, 1965.

#### EUROPEAN WAR, 1914-1918

(see also subdivision under Minsk, 1914-1918)  
Construction of automobile factories in Russia during the years of the First World War, 1914-1918. V. V. Voronova. *Int. zap.* 75, 1965.

Problems in the history of the First World War, scientific approach in Moscow. I. V. Bentsukov. *Vestnik AN SSSR* 35 no. 1, 1965.  
V. I. Lenin and the struggle of the revolutionary proletariat of the Balkan countries against the imperialist war, 1914-1918. M. A. Berman. *Nov. slav.* 6-20, 1965.

#### EUROPEAN WAR, 1914-1918—CAUSES

The struggle in Russia about the problems of foreign policy on the eve of the First World War, 1914-1918. I. V. Bentsukov. *Int. zap.* 75, 1965.

#### EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

The position of Russia and her allies in the question of helping Serbia in the fall of 1914. V. A. L. 1965.

#### EUROPIUM

Complex compounds of trivalent europium and trivalent europium with tartaric acid. A. V. Stepanov, V. P. Shvedov, A. P. Rozhnov. *Zhur. neorg. khim.* 10 no. 6, 1965.

#### EUROPIUM ISOTOPES

Gamma spectrum of  $\text{Eu}^{152}$  having a half-life of 0.2 hours. B. S. Dzhelepo, N. N. Zhukovskiy, A. G. Mal'kov. *Izd. Ak. 1 no. 6, 1965.*

#### EVAPORATING APPLIANCES

Experimental system for the automatic control of evaporating equipment in a molasses factory. L. N. Kuz'menkov, M. I. Kondratenko, I. G. Biringov. *Kh. prom.* 38 no. 4, 1965.

#### EVAPORATING APPLIANCES—TESTING

Studying the thermal and technical characteristics of evaporating apparatus with immersed heaters. A. S. Lukhanchikov. *Khim. prom. [Ukr.]* no. 2, 1965.

#### EVAPORATION

Evaporation of liquid into a gas-filled space under extensive change of the conditions of gas flow over the surface of evaporation. Report No. 1. V. G. Biderov, S. S. Vasil'ev. *Nauch. trudy MFTI* no. 30, 1965.

Mass spectrometric study of the evaporation of lanthanum hexaboride. V. V. Torshina, G. N. Smolitsa, S. I. Polykhin. *Zhur. neorg. khim.* 10 no. 5, 1965.

#### EVAPORATION (METEOROLOGY)

Effect of the thickness and free porosity of the drying layer on evaporation rates. L. K. Tselinskaya. *Izv. vovedeniya* no. 3, 1965.

#### EVENING AND CONTINUATION SCHOOLS

Urgent problems. A. Rikel'. *Nar. obr.* no. 6, 1965.

#### EVIDENCE

Trial evidence under civil procedure. O. Ivanov. *Sov. iust.* 20 no. 8, 1965.

## EVIDENCE (LAW)

The truth at the stage of the preliminary investigation and during court proceedings. *Sots. zakon*, 42 no. 2; 22-24 F '65.

## EVIDENCE, CRIMINAL

(See also subdivision under Tselinograd Province)

Identification of a person on the basis of marks left on the site of the criminal act. V. Boltnov, *III Lavrov*, *Sots. zakon*, 42 no. 2; 38-40 F '65.

Lack of proof of the participation of the defendant in a criminal act as procedural ground for dropping the criminal case at the stage of preliminary investigation. G. Chigalidi, *Sots. zakon*, 42 no. 3; 58-60 Mr '65.

The use in court proceedings of facts produced by criminal investigation. E. Ovchinnikova, P. Lukanov, *Sots. zakon*, 42 no. 2; 92-94 F '65.

## EVIDENCE, EXPERT

Special characteristics of the conclusion of an expert witness under Soviet civil procedure. I. M. Zhukov, *Vest. Mosk. un. Ser. 10 Pravo*, 20 no. 1; 43-48 Ja-Mr '65.

## EVOLUTION

Bioacoustic mechanisms of divergence and their role in evolution. V. D. Hilev, *Usp. sov. biol.*, 50 no. 3; 389-415 My-Je '65.

Methodological foundations of evolutionary physiology, some of its advances and future development. A. I. Kuznetsov, *Zhur. evol. biokhim. i fiziol.*, 1 no. 1; 104-112 Ja-F '65.

## EXCAVATING MACHINERY

Depth gauge for single-bucket excavators. L. I. Kurochkin, *Mekh. stroit.*, 22 no. 2; 26-28 F '65.

Efficient system for regulating electric excavator drives. V. I. Akovlev, I. A. Vuk, R. A. Tiukov, *Elektrichestvo*, 3 no. 1; 10-15 Mr '65.

## EXCAVATIONS (ARCHAEOLOGY)

(See subdivision under Lvov Province)

## EXCHANGES, LITERARY AND SCIENTIFIC

Coordination of international book exchange in Soviet libraries. L. A. Molodtsova, K. N. Lapteva, *Bibliot. SSSR*, no. 26; 113-120 '64.

## EXCITATION (PHYSIOLOGY)

Automatic activity of the respiratory center. M. V. Sergievskii, R. Sh. Gubdrakhmanov, A. A. Nenashev, *Fiziol. zhur.*, 51 no. 6; 723-731 Je '65.

Changes in the excitability of the heart in the acute stage of burn disease. A. N. Medvedevskii, V. B. Trofetski, *Blud. eksp. biol. i med.*, 59 no. 6; 32-35 Je '65.

Characteristics of the functional properties of individual neurons of the somatosensory cortex in adult rabbits and cats. N. N. Vasilievskii, *Zhur. vys. nerv. dat.*, 15 no. 3; 529-538 My-Je '65.

Dynamic classification of responses to sensory stimuli in hippocampal neurons. O. S. Vinogradova, *Zhur. vys. nerv. dat.*, 15 no. 3; 500-512 My-Je '65.

Effect of the stimulation of the brainstem and motor cortex on the activity of neurons of the spinal cord. A. I. Shiponov, E. B. Aushanin, *Fiziol. zhur.*, 51 no. 6; 870-880 Je '65.

Elements of the functional organization of the visual system in frogs. L. I. Mityukova, *Zhur. vys. nerv. dat.*, 15 no. 3; 513-520 My-Je '65.

Functional organization of neurons of various types in the visual center in frogs. V. G. Samsonova, *Zhur. vys. nerv. dat.*, 15 no. 3; 491-490 My-Je '65.

Mitogenic irradiation of the neuromuscular system as a method for the analysis of molecular substrates and of the concept of excitability. A. A. Gurvich, *Trudy Inst. norm. i pat. fiziol. AMN SSSR*, 7; 39-40 '64.

Posttetanic changes in reflex responses of the ventral root to rhythmic stimulations of an afferent nerve. K. S. Predtechenski, *Fiziol. zhur.*, 51 no. 6; 749-754 Je '65.

Review of Luben Teleharov and Nikola Nikolov's book "Normal and pathological reactivity of the organism," N. N. Strotin, *Pat. fiziol. i eksp. terap.*, 8 no. 6; 89 N-D '64.

Rhythmic activity of neurons. A. I. Shiponov, *Zhur. vys. nerv. dat.*, 15 no. 3; 406-480 My-Je '65.

Structural and functional correlations between excitation and inhibition in the central nervous system. N. N. Vasilievskii, V. I. Kilmova-Cherkasova, G. A. Vartanian, *Fiziol. zhur.*, 51 no. 4; 424-430 Ap '65.

Study of receptive off-fields of the retina in frogs by means of moving dark stimuli. N. B. Kostelianski, *Zhur. vys. nerv. dat.*, 15 no. 3; 521-528 My-Je '65.

Synchronization of the initial afferent flow in the visual system. I. A. Shevchuk, *Zhur. vys. nerv. dat.*, 15 no. 3; 550-560 My-Je '65.

Transmission time of a proprioceptive impulse to the cerebral cortex in man. V. A. Egorov, *Fiziol. zhur.*, 51 no. 4; 420-423 Ap '65.

## EXCISION THEORY

Fine structure of the spectrum of local centers and excitations in semiconductors with extremum loop. V. I. Sheka, *Fiz. tver. tela*, 7 no. 8; 1782-1788 Je '65.

## EXCRETION

Accelerated excretion of radioiodine from the organism. I. F. Koval', L. I. Fvilanova, *Med. rad.*, 10 no. 2; 41-44 F '65.

Excretion of chromium-51 from the organism in anemia. A. Z. Tsinman, *Med. rad.*, 10 no. 2; 3-8 F '65.

## EXCURSION BOATS

Our goal is profitability! A. Khvatov, A. Matsvelko, M. Rybal'skaya, *Rech. transp.*, 23 no. 12; 9-10 D '64.

## EXECUTIONS (LAWS)

Implementation of the decisions of the organs of the state administration: imposition of fines. A. Gnetov, *Sov. iust.*, 28 no. 9; 16-17 My '65.

Improve the conditions for the execution of court decisions. A. Korotkov, *Sots. zakon*, 42 no. 6; 39-40 Je '65.

## EXERCISE THERAPY

Sukharev, V. I., and others. [Physical therapy, massage and exercise therapy] *Fizioterapiya, massazh i lechebnaya fizkultura*. Pod red. V. I. Sukhareva. Moskva, Meditsina, 1965, 298 p. (DNL)

## EXISTENTIALISM

Marxism and existentialism. P. Korneev, *Vest. Mosk. un. Ser. 8; Filos.*, 20 no. 2; 91-93 Ju-Ap '65.

Marxism and existentialism. P. P. Ivanova, *Vop. filoz.*, 19 no. 6; 157-161 '65.

Problem of the methodology of the history of philosophy. M. K. Mamardashvili, *Vop. filoz.*, 19 no. 6; 83-103 '65.

## EXOPHTHALMOS

Change in the dominating rhythm of EEG in malignant exophthalmos and their correlation with the function of the thyroid gland. L. P. Latash, D. R. Shul'man, *Probl. endok. i gorm.*, 10 no. 4; 28-33 Ji-Ag '64.

## EXPERIMENTAL DESIGN—CONGRESSES

Problems in planning an experiment, first all-Union conference. V. V. Nalimov, *Vest. AN SSSR*, 35 no. 4; 109-110 Ap '65.

## EXPERT EVIDENCE

See Evidence, Expert

## EXPLOSIONS

Case of prolonged preservation of the explosive properties of black gunpowder (minute exploded after 105 years). V. I. Temilov, V. S. Vinogradova, *Sud.-med. ekspert.*, 3 no. 2; 55 Ap-Je '60.

## EXPLOSIVE FORMING

Effect of transfer media on sheet metal embossing during explosive forming. E. B. Medzianovskii, *Kur. -shtam. proizv.*, 7 no. 4; 25-28 Ap '65.

Introducing explosion sheet stamping. A. A. Gubskii, *Mashinostroenie*, no. 3; 44-48 My-Je '65.

## EXTENSOMETER

Use of a horizontal extensometer in observing tidal deformations of the earth at Tbilisi. B. K. Balovadze and others, *Izv. AN SSSR, Fiz. zem.*, no. 2; 73-79 '65.

## EXTRACTION (CHEMISTRY)

Behavior of thorium, protactinium, and uranium during extraction by means of benzohydroxyacetic acid and N-benzoylphenylhydroxylamine. M. P. Rudenko, Abel' Gavard Snel, A. V. Lapitskii, *Radiochimia*, 7 no. 2; 142-145 '65.

Distribution of p-decresylphosphoric acid between aqueous solutions of nitric acid and some organic solvents. S. A. Potapova, V. V. Fomin, *Radiochimia*, 7 no. 3; 14-25 '65.

Effect of the nature of a diluent on the distribution of coefficients. V. N. Vdovenko, T. V. Kovaleva, M. A. Riezanov, *Radiochimia*, 7 no. 2; 133-139 '65.

Extraction by acetic acid from hydrolyzates. A. E. Akoplen, R. Kh. Bostandzhian, *Izv. AN Arm. SSR, Khim. nauk*, 17 no. 6; 693-698 '64.

Extraction of microimpurities of metals by amines. Report No. 1. Calculation of the concentration of halide ions required for the extraction of metals using instability constants. Extraction of zinc. I. A. Shevchuk, I. U. K. Solinskii, L. I. Sakhno, *Trudy IREA*, no. 25; 408-414 '63.

Extraction of microimpurities of metals by amines. Report No. 2. Simple method for determining the instability constants of metal halide complexes. I. A. Shevchuk, *Trudy IREA*, no. 25; 415-419 '63.

Extraction of uranium from  $\text{H}_2\text{O}-\text{HNO}_3$  by tertiary amine solutions in benzene. V. M. Vdovenko, M. P. Koval'skaya, E. A. Smirnova, *Radiochimia*, 7 no. 1; 7-14 '65.

Mechanism of the extraction of thiocyanic acid and zirconium and hafnium thiocyanates into diisobutyl methylphosphinate. O. A. Sinegubova, G. A. Lagodin, *Zhur. neorg. khim.*, 10 no. 5; 1250-1253 '65.

New cases of the extraction of mixed chelates. V. M. Dzomko, *Trudy IREA*, no. 25; 183-186 '63.

Study of salt-soluble proteins of the seeds of Cucurbita pepo L. by the column gradient extraction method. M. V. Alekseeva, *Biokhimiya*, 50 no. 1; 80-86 Ja-F '65.

Synthesis of extraction agents forming colored mixed chelates. V. M. Dzomko, K. A. Dunayevskaya, *Trudy IREA*, no. 25; 187-190 '63.

Use of G. K. Dyakonov's equation for the extraction from single drops. N. A. Gumennik, N. I. Smitinov, *Zhur. prikl. khim.*, 38 no. 4; 850-855 Ap '65.

## EXTRACTION APPARATUS

Problems of hydrodynamics and mass transfer in pulsating sieve extractors. S. Z. Kagan and others, *Izv. vys. ucheb. zav.*, Phum, 1 khim. tekhn., 8 no. 1; 142-150 '65.

## EXTREMITIES (ANATOMY)—BLOOD SUPPLY

Vessels of the extremities in acute disorders of coronary circulation. A. V. Dofukin, *Fat. fiziol. i eksp. tsiap.*, 8 no. 6; 40-43 N-D '64.

## EXTREMITIES (ANATOMY)—DISEASES

Axial familial osteolysis. G. Khadzhidekov, L. Velichkov, P. Elenkov, *Vest. rent. i rad.*, 40 no. 2; 60-61 Mr-Ap '65.

## EXTREMITIES (ANATOMY)—SURGERY

Regional muscle relaxation in surgery on the extremities. K. N. Lazareva, *Trudy Inst. im. N. V. Sklif.*, 9; 210-213 '63.

## EXTREMITIES, LOWER—DISEASES

Changes in the subcutaneous veins of the lower extremities in varic. I. V. Chervakov, *Vest. khim.*, 83 no. 11; 93-95 N '64.

## EXTRUSION (METALS)

Approximate value (upper bounds solution) of the amount of pressure in extruding through a conical die. I. P. Rennie, *Kur. -shtam. proizv.*, 7 no. 4; 7-9 Ap '65.

Automating the trimming of ends and threaded rolling on thin-walled, cup-type parts made by cold extrusion. P. A. Meshchanchuk, *[Nauch. trudy] ENIKMASHA*, 11; 112-120 '65.

Cold extrusion of bimetal pipe. M. S. Gildengorn, *TSvet. met.*, 38 no. 5; 73 My '65.

Determining unit forces and minimal reductions during extrusion by the method of the upper bounds solution. I. A. Aliushin, *Kur. -shtam. proizv.*, 7 no. 4; 19-24 Ap '65.

Metal flow during the extrusion of variable cross-section products. A. A. Saprykin, I. A. Shofman, *Kur. -shtam. proizv.*, 7 no. 4; 1-5 Ap '65.

Studying variations in pipe wall thickness in the extrusion of heavy nonferrous metal alloys on horizontal 1500 T. presses. N. P. Belousov, G. N. Strakhov, V. A. Kuznetsov, *Trudy LPI*, no. 243; 141-145 '65.

Using universal presses for cold forging. I. U. F. Filimonov, I. A. Remiki, N. I. Chupceev, *[Nauch. trudy] ENIKMASHA*, 11; 50-52 '65.

## EXTRUSION (PLASTICS)

Effectiveness of some stabilizers in the extrusion of polypropylene films and their aging. G. A. Ermilova and others, *Plast. massy*, no. 5; 46-49 '65.

Studying the anisotropy of the mechanical properties of plates made from thermoplastic resins during extrusion. V. S. Kim, A. N. Levin, *Plast. massy*, no. 3; 48-52 '65.

## EXUDATION (BOTANY)

Secretion of nectar in buckwheat under various conditions as related to respiration. O. A. Zauralov, G. D. Gubar', *Fiziol. rast.*, 12 no. 2; 248-256 Mr-Ap '65.

## EYE

Distribution of  $pH_2$  in ocular tissues in rabbits following repeated introduction. T. S. Medvedovskaya, *Med. rad.*, 10 no. 3; 57-60 Mr '65.

## EYE—BLOOD SUPPLY

Choroid vascular structure in the rabbit following the exclusion of main cervical and cerebral arteries. A. P. Ljubomirov, L. M. Lychevskii, *Ark. anat.*, 41; 10-19-24 O '64.

Venous bed of the rabbit eyeball under conditions of collateral blood circulation. L. M. Lychevskii, *Ark. anat.*, 41; 10-19-24 O '64.

## EYE—DISEASES AND DEFECTS

Case of Harada's disease. Z. T. Kulleva, *Azerb. med. zhur.*, 42 no. 3; 82-85 Mr '65.

Frequency and forms of eye lesions in cattle and horses with leprosy. G. V. Degtiarev, K. F. Petrova, F. L. Gadzhibalaeva, *Veterinaria*, 42 no. 5; 48-52 My '65.

Problem of Harada's disease. S. I. Valikhan, P. G. Zairova, *Azerb. med. zhur.*, 42 no. 3; 79-81 Mr '65.

Rabinovich, M. G. [Modern methods of treatment and the prevention of eye diseases] *Sovremennye metody lecheniya i profilaktika glaznykh boleznet*. Moskva, Znaniye, 1965, 47 p. (Narodnyi universitet; Fakul'tet zdorov'ia, no. 9)

Use of neomycin (cotrimycin) in local therapy of infectious diseases of eyelids, conjunctiva and cornea. G. P. Belikov, A. A. Varzin, *Anibiotik*, 10 no. 5; 466-470 My '65.

## EYE—FOREIGN BODIES

Method of an accurate localization of foreign bodies in the eye. V. L. Tsytkov, Vestn. rent. i rad. 40 no. 2, 71-72 Mr.-Ap '65.

## EYE—MOVEMENTS

Iarbus, A. L. [Role of eye movements in the process of "Vizh. i Rozh." dzhizheni glaz v protsessе zreniya. Moskva, Nauka, 1965. 165 p.]

Role of the afferent and efferent systems in the regulation of the gaze. Regulation of the saccadic movements of the eyes. I. I. Iarbus, V. N. Vinarskaya. Fiziol. zhur. 31 no. 5, 52-53 Mr.-Ap '65.

Vestn. i rad. 40 no. 2, 71-72 Mr.-Ap '65.

EYE—TENSION see Intracocular pressure

## EYE—TUMORS

Case of successful use of yttrium beta-applicator in epithelial melanoblastoma. M. L. Krasnov and others. Trudy TSU. 71 339-342 '64.

Results of three years' use of radioactive isotopes in the diagnosis of intraocular tumors. M. L. Krasnov and others. Trudy TSU. 71 107-112 '64.

## EYE, INSTRUMENTS AND APPARATUS FOR

'VEF-50' for ophthalmography. A. D. Vladimirov. Vop. psikh. 11 no. 2 158-160 Mr.-Ap '65.

## EYELIDS

Physiological characteristics of the musculus levator palpebrae. A. P. Marevskaya. Fiziol. zhur. 31 no. 6, 741-748 Je '65.

## FACADES

Facade variants for apartment houses (series 1-163 and 1-164). Stroi. i arkh. 12 no. 2 27-28 F '64.

Method of painting the facades with aqueous compositions. L. Kramarenko. Zhil.-kom. khoz. 15 no. 1 21 Ja '65.

Structuring and painting the facades of buildings. N. P. Bura. No. 1 tekhn. zhil.-kom. khoz. Zhil. khoz. no. 2 22-27 '65.

## FACE—CANCER

Course of reactions of the mucous membrane of the oral cavity in radiotherapy of neoplastic formations of the maxillofacial region and its relation to the absorbed radiation dose. A. S. Pavlov, G. M. Barer. Med. rad. 10 no. 5 22-30 My '65.

Functional changes in the thyroid gland following a short-distance X-ray therapy of cancer of the facial skin. L. A. Rizin, B. A. Konnov. Med. rad. 10 no. 5, 46-51 My '65.

## FACIAL NERVE

Data on the morphology of facial nerve connections in some mammals. V. V. Bobin. Arkh. anat. gist. i embriol. 43 no. 3 42-46 Mr '65.

FACIAL NEURALGIA see Neuralgia, Facial

## FACTORIES—DESIGN AND CONSTRUCTION

Andreyev, A. A. [Standard plan of a hydrolysis-yeast plant with a yearly capacity of 28,000 tons of dry yeast] Tipovoi projekt gidrolizno-drozhzhevogo zavoda molochnost'yu 28 tysyach tonn sukhikh drozhzhei v god. Moskva, Tsentr. nauchno-issl.-i informatsii i tekhniko-ekon. issledovaniy po tesnoi, issliedovno-bumazhnoi, derevozobrabatyvalushchei promyshl. i lesnomu khoz., 1964. 26 p. (Gidroliz i lesokhimiya) [MICROFILM]

Identification code coloring of intrashop piping systems. V. Blukhin. Tekh. est. no. 3 15-20 Mr '65.

In record time. I. U. Fan'ko, V. Panernov, I. U. Kriukov. Na stroi. Ros. 6 no. 6 4-6 Je '65.

## FACTORIES—EQUIPMENT AND SUPPLIES

Special agency for the adjustment and start of industrial equipment. Sakh. prom. 39 no. 4 75 Ap '65.

## FACTORIES—NOISE

Combating noise and vibration in industrial enterprises. A. V. Goriletskii, E. S. Veksel. Bezop. truda v prom. 8 no. 3 24-26 Mr '65.

## FAIRY TALES—CLASSIFICATION

Classification of fairy tales. E. A. Tudorovskaya. Sov. etn. no. 2 57-66 Mr.-Ap '65.

## FALCONET, ETIENNE MAURICE, 1716-1791

A. Nikolskii's memories of E. M. Falconet, E. Heier. Iskustvo 28 no. 4 59-71 '65.

FALCONS see subdivision under Mongolia

## FALLOWING

Clean and green fallows in a forest-steppe zone. N. T. Voronova. Zemledelie 27 no. 5 30-31 My '65.

Corn as fallow crop. M. N. Martynovich. Zemledelie 27 no. 5 45-48 My '65.

FAMILY see subdivision under Mongolia, Petropavlovsk-Kamchatskiy

## FANS, ELECTRIC

Calculation of the pressure characteristic of centrifugal pumps and ventilators with zero expenditure. A. A. Levin, V. I. Polikovskii. Izv. AN SSSR, Energ. i transp. no. 2 129-133 Mr.-Ap '65.

## FANS, ELECTRIC—SAFETY MEASURES

"Instructions in safety measures for working with ventilating and pneumatic conveying installations" by M. A. Tartakovskii. Reviewed by B. Maksimchuk, A. Krivoshein, B. Kichigin. Muk.-elcv. prom. 31 no. 3 31 Mr '65.

## FAOLITE

Use of faolite for the manufacture of hydrolyzers for the production of alcohols by means of sulfuric acid hydration. V. N. Kozlov, P. V. Troshina. Khim. prom. 11 no. 5 365-367 My '65.

## FAR EAST—SALMON

Second conference of Soviet and Japanese experts on salmon breeding in the Far East. Ryb. khoz. 41 no. 5 94 '65.

## FAR EAST—SEISMOLOGY

Some characteristics of seismic displacements in the Far East. V. N. Aver'yanova. Izv. AN SSSR, Ser. geol. 30 no. 5 93-114 My '65.

FAR EAST, SOVIET see Soviet Far East

## FARADAY EFFECT

Superhigh-frequency Faraday devices under variable magnetization. I. A. Derugin, V. L. Strizhevskii, P. S. Kuts. Zhur. tekhn. zhur. 35 no. 3 516-556 Mr '65.

## FARM BUILDINGS

Durability of concrete in farm buildings and means for preventing its failure. V. Khomenko. Sil. bud. 15 no. 2 21-24 F '65.

## FARM MANAGEMENT

[Efficient use of the land] Ratsional'noe ispol'zovanie zemli. Moskva, Sel'khozizdat, 1962. 262 p.

Increase the role of an engineer in the direction of agricultural production. Kh. Rapp, Kh. Kedder. Tekh. v sel'khoz. 25 no. 5 1-5 My '65.

Organization of commercial fruit growing on state and collective farms. P. T. Dubrova. Sbor. nauch. rab. NIi sad. no. 10 3-14 '65.

The road to profitability of all farms. V. Gaidullin. Agitator 33 no. 9 47-50 My '65.

## FARM MANAGEMENT—MATHEMATICAL MODELS

Kravchenko, R. G. [Economic-mathematical models of problems in agriculture] Ekonomiko-matematicheskie modeli zadach po sel'skomu khoziasstvu. Moskva, Ekonomika, 1965. 310 p.

## FARM MECHANIZATION

Bulochnikova, L. A., and E. S. Gorodetskii. [Technological progress and the profitability of collective farm production] Tekhnicheski progress i rentabel'nost' kol'khoznoho proizvodstva. Moskva, Ekonomika, 1965. 214 p.

"Steel horse" should be loaded to a full capacity. G. Orlov, P. Shinkarev, L. Morozova. Sov. profsoyuzy 21 no. 12 4-6 Je '65.

FARM MECHANIZATION—AUDITING AND INSPECTION see subdivision under Moldova

## FARM MECHANIZATION—HYGIENIC ASPECTS

Advice to rural machine operators. Okhr. truda i sots. strakh. 8 no. 5 22-25 My '65.

## FARM MECHANIZATION—STUDY AND TEACHING

Let's train good technical workers in a shorter time. R. I. Khotimskii. Sred. spets. obr. 12 no. 2 32-34 F '65.

## FARM PONDS

Good standard designs of drainage collecting systems for collective farm ponds are necessary. Z. Kalinchuk. Sel. stroi. 19 no. 4 18 Ap '65.

## FARM PROCUREMENT

Strengthen legality in the economic operations of inter-farm organizations. N. Mukhildinov. Sots. zakon. 42 no. 3 53-54 Mr '65.

## FARM PRODUCE

Make better use of raw materials. Kons. i ov. prom. 20 no. 6 1-3 Je '65.

## FARM PRODUCE—TRANSPORTATION

Main attention to the transportation of new crops. Ayt. transp. 43 no. 5 1-2 My '65.

New crops and tasks of railroads. S. F. Nachuchenko. Zhel. dor. transp. 47 no. 8 3-8 Je '65.

Standardization of methods for disinfecting means of transportation. A. A. Poliakov. Veterinaria 42 no. 5 94-98 My '65.

## FARMERS

Balkova, V. G., A. S. Duchai, and A. A. Zemlenko. [12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-164

## FEED MECHANISMS—PNEUMATIC DRIVING

Dial feed mechanisms with pneumatic drives. E. P. Shablinskiy [Nauch. trudy] ENIKMASH 11:93-102 '65.

## FEED MILLS—EQUIPMENT AND SUPPLIES

Effectiveness of the introduction of a drum-type dryer for salt and chalk at mixed feed plants. I. V. Golandskaia Muk.-elev. prom. 31 no. 2:16-17 F '65.

## FEEDING

(see also subdivision under White Russia)  
Effect of *Sarcina lutea* preparations on the micro-organisms and animals. B. A. Matvienko, B. Tolybaev, Veterinaria 42 no. 5:42-44 My '65  
New system for the evaluation of the nutritive value of feeds and the rate of feeding animals. N. I. Denisov, Vest. sel'khoz. nauki 8 no. 8:78-85 Ag '63.

## FEEDING—EQUIPMENT AND SUPPLIES

Calculations for mechanical distributors of feeds. N. I. Klokov, Trakt. i sel'khoz. mash. no. 5:28-29 My '65.

## FEEDS

(see also subdivision under Krasnodar Territory, Murgab Oasis; Tedzhen Oasis)

Development of the production of new kinds of combined feeds with the utilization of food-industry wastes and mineral raw materials. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4: 63 Ap '65.

Press for briquetting mixed feeds. A. Protasov, M. Mirsedykov, Muk.-elev. prom. 31 no. 2:16 F '65.

## FEEDS—ANALYSIS

Hydroperoxide reaction in the determination of phosphorus organic compounds in water and feeds. G. N. Korzhavenko, V. L. Koliakov, I. I. Gorshkov, Veterinaria 42 no. 5:78-77 My '65.

## FEEDWATER

Effect of salt content of boiler water on the hydraulic resistance of boiler stages. G. P. Sutoiskiy, I. A. M. Shchelokov, Elek. sta. 30 no. 4:24-26 Ap '65.

## FEEDWATER PURIFICATION

Joint filtration and phosphatation of boiler water. B. V. Donskoi, Energetik 13 no. 4:14 Ap '65  
Kloushina, T. A. [Automation of water treatment] Avtomatizatsiya vodopodgotovki. Moskva, Energiya, 1965, 77 p. (Biblioteka teplotekhniki, no. 13)  
Unit for water stabilization by means of exhaust gases. M. I. Koliakov, Khim. prom. [Ukr.] no. 2:58-60 Ap-Je '65.

FELDSPAR see subdivision under Gornyy Tikich Valley

## FELON (DISEASE)

Cutaneous and subcutaneous paronychia in children. L. L. Gol'dzand, Vest. detsk. i ven. 38 no. 6:55-50 Je '64.

FEMALE GENERATIVE ORGANS see Generative organs, Female

## FEMORAL MUSCLE

Content of phosphorus compounds in the white pectoral and red femoral muscles of fowl. H. I. Kysel'ov, L. H. Kysel'ova, Ukr. biokhim. zhur. 37 no. 2:278-282 '65.

## FEMUR—FRACTURE

Death rate of patients with fractures of the trochanteric region of the hip and ways for its reduction. I. I. Krupko, V. M. Dem'yanov, Vest. khir. 93 no. 11:67-73 N '64.

## FENCING

Analyzing the fencers' abilities to ignore negative signals and inhibit wrong movements. I. N. Sal'chenko, Teor. i prakt. fiz. kul't. 27 no. 3:28-31 Mr '65.  
Studying the connection between speed and precision of thrusts in fencers. I. A. Guseva, Teor. i prakt. fiz. kul't. 27 no. 3:36-39 Mi '65.

## FEODOSIYA (UKRAINE)—COMMUNITY AND SCHOOL

By the efforts of the group of activists. S. Korolkova, Doshk. vosp. 38 no. 6:84-85 Je '65.

## FERGANA—FUNERAL RITES AND CEREMONIES

Mirrors in the beliefs of the ancient inhabitants of Fergana. B. A. Litvinskii, Sov. etn. no. 3:97-104 My-Je '64.

## FERGANA PROVINCE—PLANTS, PROTECTION OF

In Fergana Province. I. Senderov, Zashch. rast. ot vred. i kol. 10 no. 5:7-9 '65.

## FERGANA VALLEY—AUCHENORRHYNCHA

Two new species of Derbidae (Homoptera) from the Fergana Valley. G. K. Dubovskii, Zool. zhur. 44 no. 5: 773-774 '65.

## FERGANA VALLEY—LUMBER—DYRING

Practices in natural drying of lumber. A. I. Unshikov, Ders. prom. 14 no. 5:20 My '65.

## FERMENTATION

Homolactic fermentation by *Lactobacterium delbrückii* as related to the composition of the medium. E. N. Krasnikova, Mikrobiologiya 34 no. 2:239-244 Mr-Apr '65.

Mobilization of the  $P_2O_5$  of phosphate meal during the decomposition of rice straw. A. N. Hlaletdinov, Sh. Ma-milov, Izv. AN Kazakh. SSR, Ser. biol. nauk 3 no. 1: 52-57 Ja-F '65.

FERMENTED MILK see Milk, Fermented

## FERMI SURFACES

On possible method for observing Fermi surfaces. I. V. Sharvin, Zhur. eksp. i teor. fiz. 48 no. 3:984-985 Mr '65.

Use of the tunnel effect in the study of tin. Part 2. N. V. Zavaritskii, Zhur. eksp. i teor. fiz. 43 no. 3:837-844 Mr '65.

FERNS see subdivision under Moscow Province

FERNS, FOSSIL see subdivision under Siberia

FERRATES see Ferrites (Magnetic materials)

## FERRICYANIDES

Kinetics of a ferricyanide ion reduction on the cadmium sulfide surface. V. A. Tlagal, Elektrokhimika 1 no. 1: 387-393 Ap '65.

## FERRITES (MAGNETIC MATERIALS)

Bolavskii, V. F. [Design of magnetic semiconductor elements for automatic control and computer technology; a manual] Proektirovaniye magnitopoluprovodnikovykh elementov avtomatiki i vychislitel'noy tekhniki, uchebnoe posobie. Moskva, Mosk. inzhenerov zhol-dor. transp., 1964. 78 p.

### [MICROFILM]

Determination of copper in nickel-zinc ferrites by the diethyldithiocarbamate method. I. U. K. Tselinskii, F. P. Golenko, T. S. Krasuskaia, Trudy IREA no. 25:320-333 '63.

Determination of the constant of magnetic anisotropy using ferromagnetic resonance data and dynamometric measurements in ferrites. V. F. Belov, Trudy MINKHIGP no. 52:131-132 '64.

Ferromagnetic resonance and Faraday effect in some ferrites with spinel and garnet structures. V. F. Belov, A. M. Nechushkin, Trudy MINKHIGP no. 52:133-135 '64.

Interaction between charged particles and gyrotropic ferrite. E. D. Gazizan, O. S. Morgulian, Zhur. tekhn. fiz. 35 no. 3:539-541 Mr '65.

Magnetic grain-oriented alloy with constancy of permeability in a wide range of fields and permeability level. Sh. I. Zisman, Elektricheskoe no. 5:75-78 My '65.

Phase diagram of the system  $Fe_3O_4 - Mn_2O_4 - MnO - FeO$  at 1000°C and the thermodynamic properties of coexisting phases. I. U. D. Tretyakov, I. U. G. Sakonov, I. V. Gordeev, Izv. AN SSSR, Neorg. mat. 1 no. 3:413-418 Mr '65.

Theory of the propagation of stationary waves of finite amplitude in ferrites. I. U. F. Filippov, Izv. vys. ucheb. zav., radiofiz. 8 no. 2:292-300 '65.

## FERRITES (MAGNETIC MATERIALS)—OSCILLATIONS

Excitation of magnetostatic oscillations in a magnetized ferrite by an electron beam. L. A. Shishkin, Izv. vys. ucheb. zav., radiofiz. 8 no. 2:301-307 '65.

## FERRITES (MAGNETIC MATERIALS)—TESTING

Characteristics of the use of alternating current for structural analysis of ferromagnetic materials by the electric resistance method. N. G. Shul'ga, M. F. Zamora, Defektoskopiya no. 1:82-85 '65.

## FERROCENE

Synthesis and study of polyferrocenyl nitrile. T. P. Vishniakova, I. A. Golubeva, I. A. M. Paushkin, Vysokom. soed. 7 no. 4:713-716 Ap '65.

## FERROCYNANIDES—THERMAL PROPERTIES

Thermal decomposition of silver, thallium, and lead ferrocyanides. G. B. Seifer, Z. A. Makarova, Zhur. neorg. khim. 10 no. 5:1023-1026 My '65.

## FERROELECTRIC CRYSTALS

Antiferroelectric and ferroelectric phase transitions in  $PbCo_2W_9O_{30}$ . V. A. Bakov and others, Izv. AN SSSR, Ser. fiz. 29 no. 6:929-932 Je '65.

Dielectric properties of the antiferroelectric  $PbZrO_3$  in the ultrahigh frequency region. V. M. Petrov, Izv. AN SSSR, Ser. fiz. 29 no. 6:933-936 Je '65.

Observation of the domain structure in low-temperature ferroelectrics using the frosted dew method. V. A. Kopelnik, S. D. Toshev, Izv. AN SSSR, Ser. fiz. 29 no. 6: 956-961 Je '65.

Phase transition from a ferroelectric state into a magnetically ordered ferroelectric state. G. M. Nedlin, Izv. AN SSSR, Ser. fiz. 29 no. 6:890-893 Je '65.

Phase transitions in a ferroelectric crystal in the presence of domain boundaries. V. Kh. Kozlovskii, Izv. AN SSSR, Ser. fiz. 29 no. 6:882-886 Je '65.

Phase transitions in ferroelectric alum. M. P. Zaitseva, L. I. Zherbitsova, I. S. Vinogradova, Izv. AN SSSR, Ser. fiz. 29 no. 6:914-916 Je '65.

Phase transitions in  $Pb_2CdWO_6$ . V. S. Filippov, L. G. Fesenko, Izv. AN SSSR, Ser. fiz. 29 no. 6:894-895 Je '65.

Phase transitions in  $PbB_{0.5}B_{0.5}O_3$  compounds. M. F. Kupritanov, E. G. Fesenko, Izv. AN SSSR, Ser. fiz. 29 no. 6:925-928 Je '65.

Proton magnetic resonance in the ferroelectric  $Ca_2Sr(CH_3CH_2COO)_6$ . K. S. Aleksandrov, S. P. Gabuda, A. G. Lundin, Izv. AN SSSR, Ser. fiz. 29 no. 6:907-909 Je '65.

Structure of  $N(CH_3)_4Hg_2$  crystals. V. I. Pavlov, V. A. Gerken, Izv. AN SSSR, Ser. fiz. 29 no. 6:901-902 Je '65.

X-ray diffraction study of a superlattice phase transition in  $(NH_4)_2BeF_4$  crystals. A. I. A. Kraenkova, V. A. Koptaik, Izv. AN SSSR, Ser. fiz. 29 no. 6:903-906 Je '65.

## FERROELECTRIC CRYSTALS—MODELS

Theory of dipole structures. V. N. Lashin, V. V. Tolmachev, Izv. AN SSSR, Ser. fiz. 29 no. 6:887-889 Je '65.

## FERROELECTRIC CRYSTALS—OPTICAL PROPERTIES

Change in the optical properties of ferroelectric single crystals in phase transitions. A. S. Sonin, L. G. Lomova, Izv. AN SSSR, Ser. fiz. 29 no. 6:865-868 Je '65.

## FERROELECTRIC SUBSTANCES

Anomalies of certain physical properties of  $PbMg_{0.5}W_{0.5}O_3 + 6\%PbTiO_3$  near the phase transition. K. A. Minaeva, L. A. Shuvakov, Izv. AN SSSR, Ser. fiz. 29 no. 6:888-889 Je '65.

Dilatometric study of the system of solid solutions of  $Bi_{1-x}La_x(FeO, 99MgO, 01O_3)$ . V. V. Zhdanova, Izv. AN SSSR, Ser. fiz. 29 no. 6:1038-1041 Je '65.

Dynamic relaxation of ions of a ferroelectric in a self-consistent field. V. Kh. Kozlovskii, Izv. AN SSSR, Ser. fiz. 29 no. 6:874-878 Je '65.

High-temperature X-ray structural analysis of the system  $BiFeO_3 - Pb(Fe_{0.5}Nb_{0.5}O_3)$ . I. G. Ismailzade, Izv. AN SSSR, Ser. fiz. 29 no. 6:1032-1034 Je '65.

Phase diagram of the system  $Rb_{1-x}K_xNO_3$ . A. I. A. Dantsiger, Izv. AN SSSR, Ser. fiz. 29 no. 6:1012-1040 Je '65.

Some laws governing the diffuseness of phase transitions in ferroelectric solid solutions. V. I. Pritberg, B. N. Rolov, Izv. AN SSSR, Ser. fiz. 29 no. 6:1019-1021 Je '65.

Study of the system  $LiTaO_3 - LiNbO_3$ . Z. I. Shapiro and others, Izv. AN SSSR, Ser. fiz. 29 no. 6:1047-1050 Je '65.

## FERROELECTRIC SUBSTANCES—MAGNETIC PROPERTIES

Magnetic properties of ferroelectric solid solutions of the system  $BiFeO_3 - Pb(Fe_{0.5}Nb_{0.5}O_3)$ . V. M. Uudin, Izv. AN SSSR, Ser. fiz. 29 no. 6:1035-1038 Je '65.

Structure and magnetic properties of ferroelectric solid solutions in the system  $PbCoWO_6 - CdMoO_4$ . I. U. E. Roghinskaya, I. U. N. Venovtsev, G. S. Zhdanova, Izv. AN SSSR, Ser. fiz. 29 no. 6:1022-1025 Je '65.

Theory of hysteretic effects in ferroelectrics. M. A. Mol'gau, Dokl. AN BSSR 9 no. 3:156-159 Mi '65.

## FERROELECTRIC SUBSTANCES—THERMODYNAMICS

Phenomenological theory of anomalies of thermodynamic quantities near the points of phase transitions of the second kind in ferroelectric substances. A. P. Levantuk, Izv. AN SSSR, Ser. fiz. 29 no. 6:870-881 Je '65.

## FERROMAGNETIC RESONANCE

Ferromagnetic resonance in yttrium garnet with a terbium impurity. V. I. Solov'ev, A. G. Gurevich, Fiz. tver. tel. 7 no. 6:1761-1769 Ja '65.

Nonuniform resonance in an antiferromagnetic plate. N. I. Gordon, A. M. Kadigrov, M. A. Saychenko, Zhur. eksp. i teor. fiz. 48 no. 3:564-568 Mr '65.

## FERROSILICON—ELECTROMETALLURGY

Industrial experiments in the smelting of 45% ferrosilicon in a heavy-duty closed electric furnace. G. Sh. Mikeladze and others, Stal' 25 no. 5:426-429 My '65.

## FERTILITY

Fertility of allotetraploid male silkworms during the first four generations of the tetraploid line. V. N. Verbitskaya, B. L. Astanov, Biol. MOIP, Otd. biol. 70 no. 1:140-152 Ja-F '65.

## FERTILIZATION OF PLANTS

Cause of the fruitlessness of the giant knoeweed (*Polygonum sachalinense* Schmidt.) in the White Russian S.S.R. V. M. Kudryavtseva, Dokl. AN BSSR 9 no. 3, 104-106 Mr '65.

Effect of irrigation on the generative organs of cotton. A. A. Almazov, E. E. Uzunbaev, Vest. sel'khoz. nauki [Kazakh.] 8 no. 2:17-19 F '65.

Male sterility in plants induced by penetrating radiation. B. I. Avramenko and others, Dokl. AN BSSR 9 no. 3, 202-204 Mr '65.



## FERTILIZER INDUSTRY

(see also subdivision under Karatau)  
Development of fertilizer enterprises in the transport-  
ation of fertilizers. G. S. Pavlova. Khim. v sel'khoz.  
3 no. 5:70-72 My '65

## FERTILIZER INDUSTRY—EQUIPMENT AND SUPPLIES

Control of the ammoniation process in the  
production of broad fertilizers. A. I. Ioffe, A. A.  
Korotkiy. Prom. i tekhn. [Ukr.] no. 2:68-70 Ap-Je  
'65

## FERTILIZER SPREADERS

Control of the quality of mineral fertilizers. A. P. Paliukhin.  
Tekh. v sel'khoz. 25 no. 5:18-19 My '65

Improving the performance quality of a fertilizer spreader  
of the type S. V. Molodkov, I. U. Mikhailov.  
Zap. Len. sel'khoz. inst. 65:220-228 '61.  
Improving the reliability of fertilizer spreaders  
of the type M. S. Kravtsov. Tekh. v sel'khoz. 25  
no. 5:35-37 My '65

Selection of machines and equipment for transportation and  
application of organic fertilizers. L. I. Bryzgalin.  
Mash. stroenie no. 3:101-102 My-Je '65

Spreading fertilizers with the BBN-4, 2 cultivator.  
M. I. Ivanov. Tekh. v sel'khoz. 25 no. 5:82-83 My '65

Improving the work of the BT-2 spreader of organic-  
mineral fertilizers. F. N. Bazhenova. Zap. Len.  
sel'khoz. inst. 65:234-239 '61

## FERTILIZERS AND MANURES

Efficiency of the use of urea. V. V. Sevast'yanova,  
I. A. Tkachenko. Prom. i tekhn. [Ukr.] no. 2:34-35 Ap-Je  
'65

Urea as a valuable fertilizer. I. F. Lobanov. Priroda  
54 no. 4:53 Je '65

Interdepartmental Scientific Council of the Ministry of  
Agriculture and Forestry. Preparation of Agricultural Products  
from B. S. S. R. Khim. v sel'khoz. 3 no. 4:72-76  
Ap '65

Improving the deliveries of fertilizers using computing  
machines. L. I. Ioffe, A. I. Krupnik, B. I. Tikhonov.  
Khim. v sel'khoz. 3 no. 5:67-70 My '65

## FERTILIZERS AND MANURES—ABSTRACTS

[Soil science. Fertilizers. Reclamation] Ref. zhur.:  
Pech. udobr. mel. nos. 12-13 Ja-Jl '65

## FERTILIZERS AND MANURES—HANDLING

Calculations of transportation means for fertilizer  
handling. A. Chernichkin. Tekh. v sel'khoz. 25  
no. 5:54-55 My '65

Experimental study of forces acting on the working  
part of a horizontal scraping conveyor for removal  
of farm manure. V. E. Velina. Zap. Len. sel'khoz. inst.  
65:222-233 '61

Interaction between loading and transporting means. M. P.  
Korotkiy. Prom. i tekhn. [Ukr.] no. 8:100-101 Ap '65

## FERTILIZERS AND MANURES—TRANSPORTATION

(see also subdivision under Ukraine)  
New ways for reducing expenditures in the transporta-  
tion of mineral fertilizers. G. S. Pavlova. Khim. v  
sel'khoz. 3 no. 5:70-72 My '65

## FERTILIZERS AND MANURES—PESTS

see subdivision under Kyrgyz Kum

## FETUS

Concentration of conjugated phenol compounds in the  
tissues of the liver and the walls of the alimentary tract  
of fetuses and adult cattle. S. I. Kusen, S. F. Shvets.  
Izv. Khark. univ. 36 no. 5:755-766 '64

Development of the form and internal structure of  
some muscles during the prenatal period. L. Puzanova.  
Arkh. anat. gist. i embr. 48 no. 3:66-70 Mr '65

Intrauterine respiratory movements and formation of the  
function of the respiratory center in rabbit fetuses.  
L. A. Premin. Fiziol. zhur. 51 no. 4:501-505 Ap '65

## FETUS—DISEASES

Craniofacial. A. E. Rubasheva, A. P. Burkovskaya.  
Vest. rent. i rad. 40 no. 1:46-51 Ja-F '65

## FETUS, EFFECT OF RADIATION ON

Characteristics of the bioelectrical activity of the  
brain in animals irradiated by ionizing radiation  
during the antenatal period. I. A. Plonkovskii.  
Dokl. vyss. nerv. delat. 14 no. 5:1019-1028 N-D '64

Study of the permeability of the histohemial barriers in  
the progeny of animals which have recovered from  
acute radiation disease. V. A. Tatischevskii. Trudy  
TSU 75:224-233 '64

## FEUDALISM

The feudal statehood and "Russkaya pravda." A. A.  
Zhelez. Ist. zap. 76:230-275 '65

## FEUDALISM—HISTORIOGRAPHY

Development of the Marxist trend in Soviet historiog-  
raphy of the epoch of feudalism. L. V. Danilova.  
Ist. zap. 76:21-112 '65

## FEUERBACH, LUDWIG ANDREAS, 1804-1872

Bilotskii, E. E. [At the sources of Marxist philosophy,  
on F. Engels' book "Ludwig Feuerbach and the end  
of German classical philosophy"] U istokov marksist-  
skoi filosofii, oknige F. Engel'sa "Ludwig Feuerbach i  
konets klassicheskoj nemetskoj filosofii." [Moskva]  
Izd-vo Mosk. univ., 1965, 33 p.

## FIBERBOARD

Producing fiber semiprocessed materials with minimal  
loss of heat. N. I. Malakhova, T. F. Lavrenko, L. F.  
Pozhidaeva. Bum. i del. prom. no. 2:39-42 Ap-Je  
'65

## FIBERGLASS BOATS

Razdrogin, I. V. [Mounting of mechanisms on plastic  
ships] Krepenie mekhanizmov na sudakh iz plastmass.  
Leningrad, Sudostroenie, 1965, 147 p.

Smirnov, V. I., and V. V. Meshcheriakova. [Testing  
and inspecting glass-reinforced plastics used in ship-  
building] Ispytanie i kontrol' sudostroitel'nykh steklo-  
plastikov. Leningrad, Sudostroenie, 1965, 186 p.  
(Khimiya v sudostroeni)

## FIBERS

Determination of the adhesion of resins to organic  
fibers with 10 to 40 microns in diameter. G. V. Shi-  
riaeva, A. I. Kurilenko, V. L. Karpov. Plast. massy  
no. 3:59-60 '65

## FIBRIN

Obtaining fibrin monomer and studying some of its  
properties. T. V. Varet'ska. Ukr. biokhim. zhur. 37  
no. 2:194-206 '65

## FIBROBLASTS

Study of the interaction of *Bacillus pertussis* and  
parapertussis with tissue cultures. Report No. 2:  
Reproduction of *Hemophilus pertussis* and parapertus-  
sis in a system with chick embryo fibroblasts. E. I.  
Shmeleva, M. S. Zakharova. Zhur. mikrobiol. epid. i  
immun. 42 no. 3:81-88 Mr '65

## FICIN

Proteolytic properties of the fig tree (*Ficus carica* L.)  
latex. Sh. G. Gonashvili. Vop. pit. 23 no. 6:26-30  
N-D '64

## FICTITIOUS NAMES see Anonyms and pseudonyms

FIELD CROPS see subdivision under Dzhurgen region  
(Kazakhstan), Lvov Province

## FIELD CROPS—FERTILIZERS AND MANURES

(see also subdivision under Irkutsk Province)  
Basic ways for increasing the effectiveness of mineral  
fertilizers. G. A. Cherenishov. Khim. v sel'khoz.  
3 no. 4:12-8 Ap '65

Effect of the level of nitrogen and phosphorus nutrition  
on the intensity of the uptake of potassium by plants  
from nutrient solutions. H. V. Udovenka, M. F. Ivanov.  
Vest. AN BSSR. Ser. sel'khoz. nav. no. 4:16-22 '64

Zhitomir (Province). Sil'skokhospodars'ka doslidna stan-  
tsia. Informatsionalnyi material na mineralni fertilizery,  
poisonous and chemical substances used in animal hus-  
bandry. Dovidkovyi material po mineral'nykh dobrovyakh  
otrutokhimiatskikh ta khimichnykh rechovykh, shcho  
zasloslovutsia v tvarynyystvi. Zhytomyr, 1964,  
108 p.

[DUAL MICROFILM]

## FIELD CROPS—FROST RESISTANCE

Early sowing of winter crops as a method of breeding for  
winter hardiness. V. I. Khitrinskii. Vest. sel'khoz.  
nauk. 8 no. 8:131-139 Ag '63

FIELD CROPS—IRRIGATION see subdivision under  
Aral Sea region

## FIELD CROPS—WATER REQUIREMENTS

Dependence of the harvest in the arid zone on the  
available soil moisture. N. I. Koronkevich. Izv. AN  
SSSR. Ser. geog. no. 3:48-52 My-Je '65

## FIELD MICE see subdivision under Salatr Range

## FIELDS, ALGEBRAIC

Distribution of non-residues and primitive roots in  
recursive sequences over a field of algebraic numbers.  
V. I. Nechaev, L. L. Stepanova. Usp. mat. nauk. 20  
no. 3:197-203 My-Je '65

## FILATOV, VLADIMIR PETROVICH, 1875-

Academician V. P. Filatov; his 80th birthday. E. Shul'-  
nova. Veterinaria 42 no. 6:124-125 Je '65

## FILIPPOV, IULII VLADIMIROVICH, 1893-1964

I. V. Filippov; obituary. Izv. AN SSSR. Ser. geog.  
no. 3:150 My-Je '65

## FILERS (CHEMICAL TECHNOLOGY)

Effect of the adsorption modification of fillers on the  
strength properties of polymeric compositions. A. B.  
Sholokhova, S. N. Tolstaya, A. S. Freidin. Plast. massy  
no. 5:72-74 '65

Shrinkage of filled fluoroplast 4. S. V. G. Z.  
Khomenko. Plast. massy no. 3:76 '65

## FILMS (CHEMISTRY)

Kinetics and mechanism of formation of  
iron hydroxide on a glass surface in  
solutions. N. K. Bulatov, S. G. Mokri-  
no. 2:158-164 Mr-Apr '65

Possible mechanism for crystallizing  
Petrolian. Vych. sist. no. 15:47-55 '65

Processes of the formation of single-crystal  
cadmium and mercury telluride. I. U. 21  
E. A. Krivorotov, A. P. Sherstakov. Vych. sist.  
67-82 '65

Shearing elasticity of thin boundary  
substances. A. V. Bulgadaev. Koll. zhur.  
165-166 Mr-Apr '65

Some problems of the physics of thin films.  
Nakhodkin. Vych. sist. no. 15:3-38 '65

Thermodynamic characteristics of thin films.  
Kuznetsov, T. P. Smirnova. Vych. sist. no. 15:  
46 '65

Two-sided films formed from solutions of  
with gelatine additions. K. V. Zolotarev, I. A. Tr-  
kov. Koll. zhur. 27 no. 2:197-202 Mr-Apr '65

## FILMSTRIPS

New filmstrips. L. Perepelkina. Dokl. Akad. Nauk  
no. 4:123 Ap '65

## FILTERS AND FILTRATION

Continuous measurement of the volume of filtrates  
filtration. G. A. Nefedov, T. A. Mal'nevskaya. Vych.  
prom. 41 no. 5:387-388 My '65

Control filtration of the first carbonation stage.  
Mar'ianchik, E. V. Litvinov. Sakh. prom. 33 no. 4:  
28-29 Ap '65

Efficient profile for the filter section of a  
Aliev, M. Z. Chel nomordikov, B. A. Shcheglov. Vych.  
delo no. 4:12-15 '65

Filter fabrics for bag filters used in refinery  
Lurgy enterprises. G. M. Gordon, B. P. Bary-  
nauch. trud. Gintsvetmet. no. 8:53-62 '65

Generalizing the experience of using bag filters  
of the lead and zinc industry. L. L. P. Bary-  
Gordon, V. P. Denisov. Shor. nauch. trud. Gintsvetmet.  
no. 9:20-27 '65

Regularities in the filtering of a suspension flow  
forming a deposit. A. I. Zhevnovskii. Tekhn. zhur.  
no. 3:47-53 Mr '65

Reinforcing bottom zones in gas wells of the  
gas field with ceramic filters. A. I. Dri-  
Gaz. delo no. 4:11-20 '65

## FILTERS AND FILTRATION—TESTING

Results of the testing of ceramic filters. V. A. Z-  
skii. Sakh. prom. 33 no. 5:15-19 My '65

## FINANCE

(see also subdivision under France, United States)  
Business accounting and payment discipline. L. M.  
va. Den. i kred. 23 no. 5:15-21 My '65

Give more attention to workers' letters and complaints.  
Fin. SSSR 30 no. 4:3-6 Je '65

Important index. M. Krupnik. Fin. SSSR 39 no. 8:4:  
Je '65

Replies to the editor. Fin. SSSR 39 no. 8:48 Je '65  
Rogov, T. A. [Organization of control and auditing work  
in financial organs] Organizatsiia kontrol'no-revizion-  
noi raboty v finansovykh organakh. Moskva, Finansy  
1965, 70 p.

FINANCIAL EMPLOYEES see subdivision under  
Karaganda Province

## FINANCIAL EMPLOYEES—EDUCATION AND TRAINING

Some problems of personnel training and selection.  
G. Balamutov. Fin. SSSR 39 no. 6:15-19 Je '65

## FINANCIAL RESEARCH

In the Financial Research Institute. I. U. Artemov. Fin.  
SSSR 30 no. 6:88-90 Je '65

## FINES (PENALTIES)

Implementation of the decisions of the organs of the  
state administration re imposition of fines. A. E. Z.  
Sov. iust. 20 no. 9:10-17 My '65

## FINGERPRINTS

Dactyloscopy of cadavers in the absence of epidermis  
on the fingers. M. V. Klein. Sud.-med. eksp. 3  
no. 2:33-36 Ap-Je '60

New methods of copying human tracks. V. Sorokina. Trud.  
zakon. 42 no. 3:46-47 Mr '65

## FINLAND—COMMERCE—RUSSIA

"Konela," a Soviet-Finnish joint stock company.  
A. Engilbarov. Vnesh. torg. 45 no. 6:38-42 '65

## FINNISH STUDIES

A conference on the history, economy, language and  
literature of the Scandinavian countries and Finland.  
A. S. Sred. veka no. 2:204-206 '64

**FER—DISEASES AND PESTS** see subdivision under Bol'shoy Kermchug Valley

## FIRE EXTINCTION

Tarasov-Agalakov, N. A., and A. I. Popovskii, [Extinction of fires in the focus of a nuclear explosion] Tushenie požarov v ladernom ochage porazheniia, Moskva, DOSAAF, 1965, 41 p. (Naseleniia o grazhdanskoi oborone)

## FIRE EXTINCTION—CHEMICAL SYSTEMS

Foam as fire extinguisher, N. Lukashovich, Pozh. delo no 5 27 My '65.

## FIRE PREVENTION—INSPECTION

In one of the inspection bureaus, I. Korolev, Pozh. delo no 5:25-26 My '65

## FIREARMS—SAFETY MEASURES

Dangerous toys, E. Popok, Sem'ia i shkola 20 no. 4 43 Ap '65.

## FIREBRICK

Manufacture and testing of dolomite-magnesite brick with a resin binder, K. V. Simonov and others, Ogneupory 30 no. 4:1-8 '65.

## FIREBRICK—TESTING

Service life of Bakor 33 and Korkhart Tsak refractories in glass furnaces, N. M. Galdina and others, Ogneupory 30 no. 1:20-21 '65.

## FIREFLIES

Development of wings in fireflies Lampyrus noctula L. and Phausia splendula Lec. (Coleoptera, Lampyridae), D. D. Davydova, Zool. zhur. 44 no. 5:693-705 '65.

## FIREMEN

(see also subdivision under Leningrad; Moscow, Novorossiysk)

Continuing to stand watch, A. Nagornyi, Pozh. delo no 5 9 My '65.

In the tanks, R. Bibishev, Pozh. delo no. 5:23 My '65. Like a battle, ... O. Skobolev, Pozh. delo no. 5:21 My '65

Roads of war, Z. Guseva, Pozh. delo no. 5:21 My '65. Six interviews, N. Semina, Pozh. delo no. 5:5-6 My '65

Watchmen of the northern port, I. Nosov, Pozh. delo no. 5:20 My '65.

## FIRST AID IN ILLNESS AND INJURY

Makronko, N. P., and M. I. Negrinovskii, [Be careful in industry] Bui' ostorozhno na proizvodstve, Moskva, Meditsina, 1965, 83 p. (Nauchno-populiarnaiia literatura)

New instructions on rendering first aid and injuries from electric current, K. K. Chernov, Prom. energ. 20 no. 3:45 Mr '65.

Use of nitrous oxide for the prevention and treatment of traumatic shock under conditions of first aid, B. S. Danilova and others, Sov. med. 28 no. 4:104-107 Ap '65.

## FISCHER, JAN F., 1921-

Everyday heroism and poetry, Ja. Jiránek, Sov. muz. 20 no. 5 125-128 My '65.

## FISH, CANNED

Canned Pacific salmon, E. A. Nasedkina, E. K. Onpko, Ryb. khoz. 41 no. 5:69-70 '65.

Use of polyacrylamide in labeling canned fish, E. E. Pigeov, Ryb. khoz. 41 no. 5:60 '65.

## FISH, FROZEN

Experience of the crew of the RT "Moldavlia" in preparing frozen fish, E. A. Vasilevskaya, Ryb. khoz. 41 no. 5:67-69 '65.

Methods of preserving quality of frozen Atlantic saurel and mackerel, N. I. Sukratov, Ryb. khoz. 41 no. 5 58-60 '65.

## FISH, SALT

V. A. Kuznetsov's method for preparing slightly salted herring, T. I. Makarova, B. I. Shilimovich, Ryb. khoz. 41 no. 5:63-66 '65.

## FISH, SMOKED

Rapid method of smoking Atlantic saurel, V. P. Skachkov, A. I. Tseluiko, Ryb. khoz. 41 no. 5:81-82 '65.

## FISH CULTURE

(see also subdivision under Kamernovo Province)

Productivity evaluation of egg incubation and keeping of prelarvae of salmon in gravel, A. M. Kol'gaev, Ryb. khoz. 41 no. 5:22-23 '65.

## FISH INTRODUCTION

 see subdivision under Ukraine

## FISH POPULATIONS

Growth rate and productive possibilities of fish populations, V. N. Greze, Gidrobiol. zhur. 1 no. 2:35-42 '65.

## FISH PROCESSING PLANTS

(see also subdivision under Caspian Sea region; Ural River Valley)

Carry out control after processing with the consideration of consumption norms of raw materials, I. V. Kizevater, Ryb. khoz. 41 no. 5:55-57 '65.

## FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

(see also subdivision under Russia, Northern)

Main trends in the work of the Scientific Research and Design Institute of Mechanization in the Fishing Industry P. A. Kuraptev, Ryb. khoz. 41 no. 5 5-8 '65

## FISHERIES

(see also subdivision under Greenland, Greenland region)

In every possible way develop the fish culture in inland bodies of water, K. F. Babaiian, Ryb. khoz. 41 no. 5 3-4 '65

Productive regions of the ocean, V. G. Bogorov, Trudy VNIO 57:329-331 '65.

Some problems of the development of world fisheries in the postwar period, V. M. Shparinskii, Ryb. khoz. 41 no. 5:75-78 '65.

## FISHERIES—ECONOMIC ASPECTS

Kelenko, V. V., [Mathematical optimization principles in planning in the fishing industry] Matematicheskoe optimizatsionnoe planirovaniia v rybnoi promyshlennosti, Kaliningrad [Izd-vo gazety "Kaliningradskaia pravda"] 1964, 57 p.

[MICROFILM]

## FISHERY PRODUCTS—PRESERVATION

[Canned and preserved fish products] Konservy i preservy rybnye, Izd. ofitsial'noe, Moskva, Izd-vo standartov, 1965, 375 p. (SSSR, Gosudarstvennye standarty)

## FISHERY PRODUCTS—PRICES

System of two price lists of raw material in the fishing industry, L. M. Gushavina, Ryb. khoz. 41 no. 5:61-62 '65

## FISHERY PRODUCTS—STANDARDS

[Canned and preserved fish products] Konservy i preservy rybnye, Izd. ofitsial'noe, Moskva, Izd-vo standartov, 1965, 375 p. (SSSR, Gosudarstvennye standarty)

## FISHES

(see also subdivision under Atlantic Ocean; Azov, Sea of; Black Sea; Uzbekistan)

Field experiment as a basis for studying the biology of a fish, N. D. Belyi, Zool. zhur. 44 no. 5:643-654 '65.

Fishes, I. P. Sosnovskii, Nach. shkola 33 no. 5:74-77 Je '65

## FISHES—DISEASES AND PESTS

(see also subdivision under Dnieper River)

Ichthyopathological studies in a veterinary laboratory, A. N. German, E. A. Zozulita, Veterinarita 42 no. 5: 103-111 My '65.

## FISHES—EGGS

(see also subdivision under Mediterranean Sea)

Isolation and properties of DNA of sturgeon oocytes, Zh. G. Shmerling, Biokhimiia 30 no. 1:113-123 Ja-F '65.

## FISHES—EMBRYOLOGY

 see Embryology—Fishes

## FISHES—FOOD

(see also subdivision under Black Sea, Norwegian Sea; Yegorlyk Reservoir)

Comparative characteristics of feeding habits of the red mullet (Mullus barbatus L.) in the Mediterranean, Adriatic and Black Seas, N. I. A. Lipskaja, Trudy SBS 17:116-124 '64.

Diurnal feeding habits of young Pechora salmon (Salmo salar L.), V. P. Kornitova, Mat. rybokhoz. issl. Sev. bas. no. 4:60-63 '64.

Effect of aluminum compounds on fishes and their food supply, I. A. M. Grushko, Gidrobiol. zhur. 1 no. 3:85-89 '65.

Feeding habits of young Pechora salmon (Salmo salar L.), V. P. Kornitova, V. I. Letoval'seva, Mat. rybokhoz. issl. Sev. bas. no. 4:53-59 '64.

Intensity of feeding habits and weight increase in larvae of the Black Sea anchovy Engraulis engraulicholus ponticus Alex during spawning season, L. A. Duka, Trudy SBS 17:216-222 '64.

## FISHES—MIGRATION

Some characteristics of the summer migration of cod in the southern part of the Barents Sea, K. G. Konstantinov, A. I. Mukhin, Trudy PINRO no. 16:227-233 '64.

## FISHES—PARASITES

 see Parasites—Fishes

## FISHES, FOSSIL

 see subdivision under Russia, Asiatic

## FISHES, FRESHWATER

(see also subdivision under Azov Sea region)

Characteristics of the species of freshwater fishes as to their sensitivity and resistance to phenol, V. I. Luk'ianenko, B. A. Florov, Gidrobiol. zhur. 1 no. 2 48-53 '65

## FISHES, PELAGIC—PARASITES

 see Parasites—Fishes, Pelagic

## FISHING

Fishing in local waters, T. Kondrashova, Sov. poireh. koop. 9 no. 5 33-34 My '65

Interesting, useful and necessary, N. D. Belikov, Nach. shkola 33 no. 5:50-54 Je '65.

Mathematical approach in the administration of fisheries, V. Tishinskii, Ryb. khoz. 41 no. 5 71-72 '65

## FISHING—EQUIPMENT AND SUPPLIES

Fridman, A. L., [External factors affecting fishing equipment, lectures on the course "The theory and design of commercial fishing equipment"] Vnesheie faktory, deistvushchie na rybolovnye orudilia, lektsii po kursu "Teoriia i proektirovaniie orudiil promyshlennogo rybolovstva," [Kaliningrad] Kaliningradskae knizhnoe izd-vo, 1964 31 p.

A look for net scoop, V. P. Lukin, Mat. rybokhoz. issl. Sev. bas. no. 4 115-117 '64

Machine for taking out and laying bridle line of a string of drift nets, A. G. Abramov, Ryb. khoz. 41 no. 5: 52-54 '65

Main trends in the work of the Scientific Research and Design Institute of Mechanization in the Fishing Industry P. A. Kuraptev, Ryb. khoz. 41 no. 5 5-8 '65

Some results of the investigation of the models of rollers for seine hauling, V. N. Girenko, Ryb. khoz. 41 no. 5 47-50 '65

## FISHING BOATS

Determination of the carrying capacity of fishing boats, V. B. Osipchuk, Ryb. khoz. 41 no. 5:35-36 '65.

Service life of shipbuilding concrete exposed to pickling solutions and brines, V. G. Batrakov, E. I. Fedin, Sudostroenie 30 no. 12:34-37 D '64.

Uniform standards for servicing ships at sea fishery ports and stations, Z. Aleksandrova, V. Ivanov, S. Tomberg, Mor. flot 25 no. 4:10-11 Ap '65.

Use of glass plastics in serial construction of small fishing motor boats, N. A. Panfilov, N. A. Pakhar', Ryb. khoz. 41 no. 5:37-39 '65

## FISHING BOATS—MAINTENANCE AND REPAIR

Possibilities for reducing ship repair time, IU. K. Puzakov, Ryb. khoz. 41 no. 5:78-80 '65

## FISHING NETS

Relation between the length of kapron netting and the size and duration of additional load, L. M. Lomakina, Ryb. khoz. 41 no. 5:42-43 '65.

## FISH PONDS

Organizing the fishponds, Sov. potreb. koop. 9 no. 5 35-39 My '65

Using shallow water of the reservoirs of the R. S. F. S. R. for the organization of commercial piscicultural units, Bui. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 4 68 Ap '65.

## FISSION PRODUCTS

Determination of Be<sup>7</sup> in the samples of atmospheric aerosols and in precipitates in the presence of fission fragments, L. I. Gedenov, O. A. Rys'ev, N. A. Susorova, Radiokhimiia 7 no. 2:254-255 '65.

Determination of the total fissions in a natural mixture of uranium during its irradiation by neutrons, S. V. Belov, V. S. Antkin, Radiokhimiia 7 no. 1:120-124 '65.

Separation factors of radioactive fission elements in the process of directed crystallization of sodium nitrate, A. N. Kirgintsev, E. G. Arvakumov, I. M. Kuleshov, Radiokhimiia 7 no. 1:3-7 '65.

Yields of <sup>87</sup>Rb, <sup>88</sup>Rb, <sup>89</sup>Rb, <sup>137</sup>I, <sup>138</sup>I as precursors of delayed neutrons in the fission of <sup>238</sup>U and <sup>232</sup>Th by neutrons with an energy of 14.5 MeV, V. I. Shpakov and others, Radiokhimiia 7 no. 1:96-103 '65.

## FITZGERALD, ELLA

When Ella Fitzgerald sings, A. Volyn'tsev, Teatr 28 no. 6:166-167 Je '65

## FITZGERALD, FRANCIS SCOTT KEY, 1896-1940

"Second vision" of Scott Fitzgerald, M. Mendel'son, Vop. lit. 9 no. 3:102-125 Mr '65.

## FLAKSERMAN, IURII NIKOLAEVICH, 1896-

A talented administrator and power engineer; on the 70th birthday of IU. N. Flakserman, Energoik 13 no. 4:31 Ap '65.

## FLAME

Flame propagation under conditions of the ignition peninsula of hydrogen-oxygen mixtures, V. I. A. Bassevich, S. M. Kogarko, Khim. kat. 6 no. 1:23-30 Ja-F '65

## FLANDERS—COMMERCE—RUSSIA

From the history of the commercial relations between Russia and Flanders in the 16th century. B. N. Florin. *Sred. veka* no. 55-57 103 '64.

## FLATULENCE

Study of flatulence in ruminants in calves. B. M. Artyukhin. *Veterinarnia* 41 no. 6 78-80 Je '64.

## FLAVONES

Flavones from *Gossypium hirsutum* L. (cotton growth 105-67). Z. P. Pukhacheva, A. S. Sedukhin, P. K. Denlie. *Vysokomol. soedin.* no. 1 67-70 '65.

Interrelationship between flavonol and ascorbic acid accumulation in black-currant berries. G. B. Samorodova-Blaug, *Fiziol. rast.* 12 no. 2 210-215 Mr.-Ap '65.

## FLAVONOIDS

Flavonoids from *Cricetidae*. Part I. Robinin and galanin from the wallflower fruit. V. P. Maksutina, Khim. prirod. soed. no. 1 52-56 '65.

## FLAX

(see also subdivision under Lithuania, Volodga)  
Production of flax. P. P. Pashchenko, A. Lebedeva. *Zashch. rast. i zhivot. i bol.* 10 no. 5 10 '65.  
Toxic action of researchers. T. Kravtsov. *Zashch. rast. i zhivot. i bol.* 10 no. 4, 12-13 '65.

## FLAX—FERTILIZERS AND MANURES

Application of boron fertilizers to flax. A. S. Kresinina. *Trudy GSKH* 9 56-67 '65.

## FLAX—HARVESTING

The LhV-47 flax harvesting machinery. N. N. Bykov, L. I. Garvich, *Trakti i sel'khoz. mash.* no. 5 33-34 My '65.

## FLAX PROCESSING MACHINERY

Studying the working process of the deseeding apparatus of the LK-7 flax combine. P. F. Pribytkov. *Zap. ien. sel'khoz. inst.* 85 260-266 '61.

## FLAX BEETLES—EXTERMINATION

Protection of sugar beets from flax beetles. O. Petrukha. *Zashch. rast. i zhivot. i bol.* 10 no. 4 39-40 '65.

## FLEAS

Change in the activity of feeding and motility of the tropical rat flea *Xenopsylla cheopis* labeled with radioactive phosphorus  $P^{32}$ . V. P. Kharlamov. *Zool. zhur.* 44 no. 4 547-551 '65.

## FLEAS AS LABORATORY ANIMALS

Method of laboratory feeding of fleas in studying their role in the preservation and transmission of the pathogens of infectious diseases. V. A. Bibikova and others. *Med. paraz. i paraz. bol.* 33 no. 6 739-740 N-D '64.

## FLEXURE

Calculating ribbon foundations for flexure according to maximum deformations of foundation beds. A. G. Kur'ev. *Izv. vys. ucheb. zav. i strol. i arkhit.* 8 no. 2 8-11 '65.

Experimental investigation of surface deformations during plastic bending. K. N. Bogotavlenskii, A. K. Grigor'ev, V. G. Borisov. *Trudy LPI* no. 243 112-117 '65.

## FLIES see subdivision under Pamirs

## FLIES—EXTERMINATION

(see also subdivision under Tyumen Province)  
Studying the effect of insecticide poisoning on the process of the development of the imago and larvae of the housefly. K. A. Gar, T. N. Ch. Khim. v sel'khoz. 3

polarization method, 47 no. 7 86-87 Ji '65,

of floating cranes abroad, 23 no. 12 46-48 D '64,  
the body of a mesh-reinforced crane with a 10-ton lifting, P. Bogotavlenskii. *Sudo-* D '64.

fast lowering of the boom of kii, Rech. transp. 23 no. 12,

reinforced concrete floating E. Kuznetsov. *Sudo-* D '64.

, L. V. Iakovleva. *Pu-* i '65,

FLOOD FORECASTING see subdivision under Dniester River

FLOODS see subdivision under Ukraine; Yenisey River

## FLOOR COVERINGS—TESTING

New devices for testing synthetic materials. B. M. Gershtovich, N. V. Chepik, V. N. Rechmenskil, *Strol. mat.* 11 no. 4 17-20 Ap '65.

## FLOORS

Sawdust slabs in place of flooring manufactured by labor-consuming processes. I. U. Mironchuk, S. Mel'nikhenko. *Stl. bud.* 15 no. 2 18-19 F '65.

## FLOORS, CONCRETE

Foundation for floors of oil-gypsum cement concrete panels. S. Shitenko, A. Kagner, M. Goncharov. *Strol. i arkhit.* 12 no. 2 10 F '64.

## FLORICULTURE

Glinkin, N. M., K. G. Kovalev, and B. V. Rudnev. [Technical production cards on growing flowering plants outdoors and under glass.] *Proizvodstvenno-tekhnologicheskie karty po vyrazhivaniyu tsvetochnykh rastenii okrytogo i zakrytogo grunta*, Moscow, Stroizdat, Pt. 1. [Under glass.] *Zakrytyi grunt*, 1965, 167 p. (DNAL)

## FLotation

Glembolskii, V. A., and G. A. Bekhila. [Flotation of iron ores.] *Flotatsiya zheleznykh rud*, Moscow, Nedra, 1964, 222 p.

Limiting the slitting of heavy minerals in the grinding cycle is an important potential in increasing metal production. I. U. S. Badeev, *TSvet. met.* 38 no. 3 8-13 Mr '65.

Physicochemical and flotation properties of displaced benzimidazolones. L. A. Kakovskii, G. N. Turenkova. *Izv. vys. ucheb. zav. i strol. i arkhit.* 8 no. 1 21-27 '65.

Reasons of the varying floatability of pyrrhotite modifications. R. K. Alekseeva, *TSvet. met.* 38 no. 3 18-21 Mr '65.

Studying the effect of processes taking place in the foam layer on the rate and selectivity of flotation. L. I. Maksimov, V. I. A. Khasman, *TSvet. met.* 38 no. 5 6-8 My '65.

Utilization of the gas liberated from a solution in the grinding-classification cycle. V. I. Khasman, L. I. Matveev. *TSvet. met.* 38 no. 3 5-7 Mr '65.

## FLotation—EQUIPMENT AND SUPPLIES

Characteristics of the fixing of oxygen treated oleic acid on the surface of rutile and zircon. L. N. Plaksin, R. Sh. Shafeyev, V. A. Chanturba. *Izv. vys. ucheb. zav. i strol. i arkhit.* 8 no. 1 18-20 '65.

Results of the industrial testing of a fluidized bed flotation machine. N. F. Meshcheriakov, *TSvet. met.* 38 no. 3 7-8 Mr '65.

## FLour—TRANSPORTATION

Device for pressing flour in motortrucks for transportation. B. Krichigin, *Muk. -elev. prom.* 31 no. 3 23 Mr '65.

## FLour INDUSTRY

(see also subdivision under Armenia; Irkutsk)  
At the Technical Council of the State Procurement Committee. B. Drizin. *Muk. -elev. prom.* 31 no. 2 23-26 F '65.

## FLour MILLS

(see also subdivision under Kurgan Province)  
Reduced modulus of elasticity of the rolls in roller mills. V. Andronov and others. *Muk. -elev. prom.* 31 no. 3 27-28 Mr '65.

## FLour MILLS—EQUIPMENT AND SUPPLIES

Attachment for handling grain certificates to motortruck drivers. E. Rasulev, *Muk. -elev. prom.* 31 no. 3 15 Mr '65.

New apparatus for checking the lifting capacity of magnets in flour mills. B. Krichigin, G. Pankratov. *Muk. -elev. prom.* 31 no. 2 12-13 F '65.

FLOWERS see subdivision under Moscow

## FLue GASES—ANALYSIS

Automatic gas analysis. E. A. Nechaev. *Metallurg* 10 no. 6 24 Je '65.

## FLUES

Stoves with withdrawal of combustion products into a flue system. M. T. Bogorodskaya. *Gaz. delo* no. 1 26-27 '65.

## FLuid DYNAMICS

Discontinuous forced oscillations of a fluid in a pipeline. M. S. Natanson. *Izv. AN SSSR, Mekh.* no. 2 33-42 Mr.-Ap '65.

Flow round an oscillating circular cylinder. M. A. Pavlikhina. *Izv. AN SSSR, Mekh.* no. 2 175-178 Mr.-Ap '65.

A generalization of the model of an ideal compressible fluid. M. I. Egilit. *Prikl. mat. i mekh.* 20 no. 2 31 351 Mr.-Ap '65.

Hydraulic resistance and heat and mass transfer in a twisted flow. R. Z. Alimov. *Teploenergetika* 12 no. 3 81-85 Mr '65.

Numerical method for calculating nonsteady flows in open channels. O. P. Vasil'ev, T. A. Tikhonov, G. I. Shuglin. *Izv. AN SSSR, Mekh.* no. 2 17-25 Mr.-Ap '65.

Vibrational lift of a fluid. O. E. Tsykova. *Izv. AN SSSR, Mekh.* no. 2 43-60 Mr.-Ap '65.

## FLuid MECHANICS

Asymmetrical hydromechanics. L. I. Astar, A. N. Bulygin, T. V. Kuvshinskii. *Prikl. mat. i mekh.* 22 no. 2 207-308 Mr.-Ap '65.

## FLuidIZATION

Aerodynamics of a fluidized bed of ground refractory materials. P. S. Potemkin. *Ogneuproy* 30 no. 1 13 12 '65.

Calculation of magnetite in an apparatus with a fluidized bed. A. I. A. Andreev, V. I. Odnovskii. *Trudy IIA* 4 no. 25 450-456 '63.

Coating of parts in a fluidized bed with trifluoromethyl ethylene. A. I. Shcherbinin, I. I. Savinlin, *Plast. massy* no. 3 53-55 '65.

Determining the rate of the fluidization start in dry granulated sugar. I. B. Navitskaya. *Sakh. prom.* 39 no. 4 12-15 Ap '65.

Flameless burning of gas in a furnace with a fluidized bed. V. M. Dement'ev and others. *Gaz. prom.* 17 no. 6 29-32 '65.

Results of the industrial testing of a fluidized bed flotation machine. N. F. Meshcheriakov. *TSvet. met.* 38 no. 3 7-8 Mr '65.

## FLUOBERYLLATES

Phase diagrams of the systems  $Na_2BeF_4 - Na_2YF_6$  and  $K_2BeF_4 - K_2PO_4$ . M. E. Levina, L. N. Kukhar'eva, V. I. Kallitina. *Izv. vys. ucheb. zav. i strol. i arkhit.* 8 no. 1 3-10 '65.

## FLUORESCEN

Simple method of analyzing fluorocellulose-protein conjugates. L. B. Mekler and others. *Vop. vliud.* 9 no. 5 631-634 S-O '64.

## FLUORESCEN-COMPLEXON

Analytical properties of fluorocellulose-complexon. S. U. Kroingol'd, E. A. Bozhevol'nov. *Trudy IREA* no. 2 356-373 '63.  
Use of fluorocellulose complexon in the analysis of cation traces. E. A. Bozhevol'nov, S. U. Kroingol'd. *Trudy IREA* no. 25 24-40 '63.

## FLUORESCENCE

Causes of various fluorescence of microbial colonies under oblique illumination. N. S. Akutova. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 25-28 Mr '65.

Changes in the ultraviolet and blue fluorescence in the hepatic cells in white rats in the early postnatal period. E. M. Pilyshchik, M. V. Kudryavtseva. *Asb. anal., gistol. i embriol.* 40 no. 4 40-63 Ap '65.

Fluorescence of erythrocytes of the peripheral blood under conditions of vital fluorochroming with Auridine Orange. V. A. Kolpakov. *Probl. gemat. i pol. i krov.* 10 no. 4 30-42 Ap '65.

Fluorescence spectra of intravitaly fluorochrome-treated micro-organisms. V. I. Khizhin. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 22-25 Ma '65.

Fluorescent antibodies for the detection of Nickolsky's review of literature. N. M. Balneva, E. N. Lavina, M. I. Korn. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 17-21 Mr '65.

Study of the first phase of serological reactions using the method of fluorescent antibodies. I. P. Mikhailov. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 14-17 Mr '65.

## FLUORESCENCE MICROSCOPY

Accelerated method for detecting the pathogens of paratyphoid infections. P. N. Stebluk. *Zhur. mikrobiol. epid. i immun.* 42 no. 2 10-21 F '65.

Akademiya nauk SSSR. *Nauchnyi sovet po problemam tsitologii*. [Electron and fluorescence microscopy of the cell.] *Elektronnaya i fluoresentsinnaya mikroskopiya kletki*, Moscow, Nauka, 1964, 168 p., illus.

## FLUORESCENT ANTIBODY TECHNIQUE

Diagnostic value of the fluorescence serologic method for detecting Brucella. M. I. Chernikova and others. *Veterinarnia* 41 no. 6 22-25 Je '65.

Microbiological diagnosis of salmonellosis. P. I. Trutulin. *Veterinarnia* 41 no. 6 28-31 Je '64.

## FLUORESCENT LAMPS

Maintenance of light fixtures with fluorescent lamps. V. A. Baikova. *Svetoekhnika* 11 no. 4 13-16 Ap '65.

## FLUORIDES

Effect of fluoride ions on the electrochemical and corrosion behavior of stainless steels. A. I. Tsimman, V. S. Kuzub, L. A. Sokolov. *Zashch. met.* 1 no. 2 173-177 Mr-Apr '65.

Electrodeposition of iron-molybdenum alloys from fluoride electrolytes. T. F. Frantsevich-Zabludovskaya, G. L. Shafan, Zhur. prikl. khim. 38 no. 4 951-956 Ap '65.

## FLUORINE

Fluorine in the production of sulfuric acid from metalurgical gases. V. V. Rodzavskii, S. A. Smirnova, N. D. Pincagina. *TSvet. met.* 38 no. 5 44-45 My '65.

Nuclear magnetic resonance of  $^{19}\text{F}$  in  $\text{NaHF}_2$  and  $\text{NaCoF}_3$ . M. P. Petrov. *Fiz. tver. tela* 7 no. 6: 1663-1666 Jo '65.

## FLUORINE COMPOUNDS

Reaction of tertiary perfluorinated amines with aluminum chloride. Synthesis of perfluoroacyclohexanone. S. V. Sokolov, S. A. Mazalov, S. I. Gerasimov. *Zhur. V KHO* 10 no. 2: 234-235 '65.

## FLUOROPLAST

Shrinkage of filled fluoroplast 4. S. N. Ganz, V. D. Parshumenko. *Plast. massy* no. 3: 36-38 '65.

## FLUOROSCOPIC DIAGNOSIS

see Diagnosis, Fluoroscopic

## FLUORSPAR

see subdivision under Kurama Range

## FLUX (METALLURGY)

Automatic welding of aluminum under ceramic flux. D. S. Kassov and others. *Svar. proizv.* no. 4: 20-22 Ap '65.

Mechanized hard facing under flux. N. F. Tatarko. *Avtom. svar.* 18 no. 6: 44-45 My '65.

*Fluksy dlya avtomaticheskogo svarenia*; *Biblioteka zavarka*. Kyiv, Derzhnekhvydav URSS, 1963. 117 p.

Using AN-60 flux for mechanized deposition of chilled cast iron on steel parts. G. V. Kaendzyk. *Avtom. svar.* 18 no. 5: 38-40 My '65.

## FLY ASH

Characteristics of dusts from nonferrous metallurgy plants according to their specific surface and structure. I. L. Peisakhov. *Sbor. nauch. trud. Gintsvetmeta* no. 9: 5-22 '55.

Cleaning the checkerwork, checker flues, and smoke flues from flue dust during the operation of an open-hearth furnace. L. M. Nikulin and others. *Stal* 26 no. 6: 586-587 Je '65.

Device for measuring the quantity of fly ash carried out of blast furnaces. N. P. Maksimenko. *Metallurg* 10 no. 6: 10-11 Je '65.

Distribution of dust losses in copper smelting plants. A. M. Aslanova, A. A. Orlov. *Sbor. nauch. trud. Gintsvetmeta* no. 9: 114-118 '65.

Generalizing the experience of using bag filters in plants of the lead and zinc industry. I. L. Peisakhov, G. M. Gordon, V. F. Denisov. *Sbor. nauch. trud. Gintsvetmeta* no. 9: 20-22 '65.

Performance of electrostatic filter with gases from the roasting of molybdenum concentrates. I. L. Peisakhov, P. I. Voskresenskii. *Sbor. nauch. trud. Gintsvetmeta* no. 9: 23-27 '65.

Reducing nickel dust losses from nickel plant shaft furnaces. O. A. Bogavskii. *TSvet. met.* 38 no. 5: 43-44 My '65.

## FOAM

Foam formation in nonaqueous media. Part 2: Characteristics of breakage of foams based on dioctyl phthalate. O. O. Tarakanov, E. G. Eromina. *Koll. zhur.* 27 no. 2: 271-278 Mr-Apr '65.

Physical and physicochemical fundamentals of sand-plug flushing in oil wells using foam. V. A. Arslan and others. *Neft. khoz.* 43 no. 3: 63-68 Mr '65.

## FOLIC ACID

Transformation of folic acid into coenzyme tetrahydroform by enzymatic systems of plants. N. A. Andreeva. *Biochimika* 30 no. 1: 129-136 Ja-F '65.

## FOLK ART

see subdivision under Mezen' Valley

## FOLK ART, VOGUL

A vanished art; patterns impressed with leather on birch bark by the Mansi. V. N. Chernyshev. *Sov. etn.* no. 3: 53-63 My-Je '64.

## FOLK LITERATURE

see subdivision under Karachay-Cherkass Autonomous Province

## FOLK SONGS, UKRAINIAN

*Akademii nauk URSS, Kiev, Instytut mystetstvo-znavstva, fol'kloru i etnografii*. [Games and songs; spring and summer poetry of a work year] *Ihry ta piasni; vesennio-litnia poezia trudovoho roku*. Kyiv, Vyd-vo Akad. nauk URSS, 1963. 870 p. (Ukrains'ka narodna tvorchist') (NIC)

## FOLKLORE, MOLDAVIAN

Moldavian folklore in the works of Pushkin. M. Khazin. *Vop. lit.* 9 no. 3: 230-232 Mr '65.

## FOLKLORE, WHITE RUSSIAN

"Lay of the host of Igor" and White Russian oral poetic tradition. V. F. Mochul'skii. *Vest. Mosk. un. Ser. 7: Filol.* zhur. 20 no. 3: 74-84 Ja-F '65.

*Makarevich, Ales'*. [From folk songs and ballads] *Ad pesen' i dumak narodnykh*. Minsk, Navuka i tekhnika, 1965. 121 p.

## FOOD--ANALYSIS

*Russia (1923- U.S.S.R.) Komitet standartov, myer i izmoritel'nykh priborov*. [Confectionery products; testing methods] *Konditerskie izdeliia, metody ispytaniia, izd. ofitsial'noc*. Moskva, Izd-vo Standartov, 1965. 74 p. (SSSR. Gosudarstvennye standarty)

## FOOD, CANNED

Canned food for distribution through vending machines. I. S. Kagan, V. M. Dubitskaya, L. I. Leichenko. *Kons. i ov. prom.* 20 no. 3: 7-11 Mr '65.

Polarographic method for determining iron content of canned food. V. S. Grzhivo, M. S. Berkh. *Kons. i ov. prom.* 20 no. 3: 30-31 Mr '65.

## FOOD, CANNED--MICROBIOLOGY

Effect of some chemical compounds on the microflora of food products. N. A. Molosova, T. P. Ovcharova. *Kons. i ov. prom.* 20 no. 6: 28-30 Je '65.

## FOOD, CANNED--STERILIZATION

Selecting the initial temperature of the products and the level of can filling for high-temperature sterilization of canned food. B. L. Flaumenbaum, F. I. Kogan. *Kons. i ov. prom.* 20 no. 3: 12-14 Mr '65.

## FOOD, FREEZE-DRIED--TESTING

At the expanded session for the degustation of food dried by sublimation. O. A. Popov. *Kons. i ov. prom.* 20 no. 5: 47 Je '65.

## FOOD INDUSTRY

see subdivision under Matkop

## FOOD INDUSTRY--EQUIPMENT AND SUPPLIES

[Equipment of the food industry] *Ref. zhur.* Obor. plashch. prom. no. 6 Je '65.

## FOOD INDUSTRY--SANITATION

*Shur, I. V.* ed. [Manual on veterinary and sanitary expertise and hygiene in the processing of animal products] *Itskovodstvo po veterinarno-sanitarnoi ekspertize i gignoe pererabotki zhivotnykh produktov*. Izd. 2, ispr. i dop. Moskva, Kolos, 1965. 426 p.

## FOOD MACHINERY

*Gorbato, V. M.* and *I. A. Iagoshka*. [Handbook on the equipment of meat industry enterprises] *Spravochnik po oborudovaniu predpriatii masnoi promyshlennosti*. Moskva, Pishchevaia promyshlennost', Vol. 1. 1965. 578 p.

## FOOD MACHINERY--DESIGN AND CONSTRUCTION

*Ostrovskii, E. V.* and *E. V. Eidel'man*. [Concise handbook for the designer of food machinery] *Kratkii spravochnik konstruktora proizvodstvennykh mashin*. Moskva, Mashinostroenie, 1965. 503 p.

## FOOD MACHINERY--PARTS

*Prela, G. A.* [Increasing the wear resistance of the parts of the equipment of the food industry enterprises] *Povyshenie iznosostoiokostei detalей oborudovaniia predpriatii pishchevoi promyshlennosti*. Moskva, Mashgiz, 1963. 282 p.

## FOOD MACHINERY--PATENTS

*Zalaz, Iu. F.* [Intensification and mechanization of technological processes in making sausage products] *Intensifikatsiia i mekhanizatsiia tekhnologicheskikh protsessov proizvodstva kolbasnykh izdelii*. Moskva, Tekhn. 1964. 53 p. (Obzor inostrannykh patentov)

## FOOD POISONING

Toxinfection on fur farms in the Taymyr. V. N. Berisev, S. T. Bondareva. *Veterinariia* 41 no. 4: 43-44 Ap '65.

## FOOD PRESERVATIVES

Discussion on the use of antibiotics and preservatives in the food industry. T. P. Ovcharova. *Kons. i ov. prom.* 20 no. 3: 41-43 Mr '65.

## FOOD SERVICE

see subdivision under Ukraine

## FOOD SERVICE--COSTS

In order to make dinner cheaper. G. Orkin. *Sov. profsoyuz* 21 no. 12: 28-29 Je '65.

## FOOT-AND-MOUTH DISEASE

(see also subdivision under Novosibirsk Province)  
Foot-and-mouth disease in moose under experimental conditions. S. I. Dzhupina, A. A. Syridov. *Veterinariia* 42 no. 5: 47-48 My '65.

## FOOT-AND-MOUTH DISEASE--PREVENTIVE INOCULATION

Immediate tasks of science and practice in the elimination of foot-and-mouth disease. A. A. Boiko, A. L. Spomolnikov. *Veterinariia* 42 no. 6: 8-12 Je '65.

Immunomorphological reactions in swine vaccinated against foot-and-mouth disease. N. I. Arkhipov, V. I. Burtsev, L. M. Pichugin. *Veterinariia* 42 no. 5: 37-39 My '65.

Studying the immunogenetic properties of the virus of foot-and-mouth disease and foot-and-mouth disease vaccines using adult white mice. V. P. Omel'nev and others. *Veterinariia* 42 no. 5: 34-36 My '65.

Use of the foot-and-mouth disease virus vaccine type A made by the Siberian Veterinary Scientific Research Station. I. B. Zakharenko, A. A. Vize. *Veterinariia* 42 no. 5: 46-47 My '65.

## FOOTPRINTS

New methods of copying human tracks. V. Sorokin. *Sots. zakon.* 42 no. 3: 46-47 Mr '65.

## FORAGE PLANTS

(see also subdivision under Naurau Mountains; Starokostantinov District, Uzbekistan)

New silage plants. V. S. Sokolov. *Rast. res.* 1 no. 1: 87-101 '65.

Second Seminar-Conference on New Silage Plants. N. V. Smol'skii, V. S. Sokolov, A. K. Churilov. *Rast. res.* 1 no. 1: 154-157 '65.

The UZK-250 installation for growing green forage. L. P. Kocherygina, Iu. N. Lipov. *Trakt. i sel'khoz. mash.* no. 5: 34-35 My '65.

## FORAMINIFERA

see subdivision under Norwegian Sea

## FORAMINIFERA, FOSSIL

(see also subdivision under Boyarka Valley, Krasnoyarsk Territory; Nakhichevan A.S.S.R.)  
Ecology of Schwagerina. I. N. Tikhvinskii. *Paleont. zhur.* no. 2: 18-22 '65.

New group of Lenin Prize laureates, studying the foraminifer shells. A. L. Ianshin. *Priroda* 54 no. 6: 2-5 Je '65.

## FORCE AND ENERGY

Attempt at evolving a theory of the strength of brittle materials based on Griffith's ideas about the energy state of solids. V. I. Mossakovskii, M. T. Rybka. *Prikl. mat. i mekh.* 28 no. 2: 291-296 Mr-Apr '65.

Function of energy dissipation for materials with a nonlinear law of elasticity. P. M. Senik. *Prikl. mekh.* 1 no. 2: 99-103 '65.

## FOREARM

Some characteristics of the innervation of the forearm periphery in fetuses and newborn infants. S. M. Bogri. *Arkh. anat. gist. i embr.* 48 no. 3: 46-50 Mr '65.

Spring mechanism of the forearm in some mammals. V. I. Tablin. *Zool. zhur.* 44 no. 4: 583-587 '65.

## FOREIGN CORRESPONDENTS

Our foreign correspondent. A. Alterov. *Sov. shakht.* 14 no. 5: 42-43 My '65.

## FOREIGN EXCHANGE

Brief information on foreign exchange and banks abroad. *Den. i kred.* 23 no. 5: 63-69 My '65.

Brief information on foreign exchange and banks abroad. *Den. i kred.* 23 no. 6: 66-81 Je '65.

## FOREIGN INVESTMENTS

see Investments, Foreign

## FORENSIC CHEMISTRY

see Chemistry, Forensic

## FORENSIC HEMATOLOGY

Determination of the bacteriological groups of the P system in dried blood. Report No. 2. M. A. Bronnikova, T. M. Masia. *Sud.-med. ekspert.* 3 no. 2: 28-33 Ap-Je '60.

Use of microspectrography in expert determination of minimal quantities of blood. M. A. Vasil'ev. *Sud.-med. ekspert.* 3 no. 2: 24-28 Ap-Je '60.

## FORENSIC PSYCHIATRY

Diagnosis of protracted reactive psychoses in a specialized forensic psychiatric clinic. N. I. Pogibko. *Sud.-med. ekspert.* 3 no. 2: 46-48 Ap-Je '60.

## FORENSIC PSYCHOLOGY

see Psychology, Forensic

## FOREST ECOLOGY

see subdivision under Kazakhstan

## FOREST INFLUENCES

see subdivision under Stavropol Territory

## FOREST MACHINERY--TESTING

Calibration and methods for the analysis of power oscillograms and diagrams. E. P. Litman. *Trudy STI* 33: 82-87 '62.

## FOREST NURSERIES

see subdivision under Crimea



**FOUNDRY SAND** see Sand, Foundry

#### FOURIER SERIES

- Best approximation of a function and linear summation methods for Fourier series. M.F. Timan. *Izv. AN SSSR, Ser. mat.* 29 no. 3:587-604 '65.
- Estimation of trigonometric sums. I. M. Vinogradov. *Izv. AN SSSR, Ser. mat.* 29 no. 3:493-501 '65.
- Study of processes in linear systems using Fourier series and theorems of the convolution of periodic functions. V. G. Ostpenko. *Elektrosviaz'* 19 no. 6:42-50 Je '65.

#### FOURIER TRANSFORMATIONS

- Calculation of a speechogram in the method of Fourier spectroscopy with discrete Fourier transformations. B. A. Kiselev, P. F. Parshin. *Zhur. prikl. spekt.* 2 no. 3:212-217 Mr '65.

#### FOXTAIL

- Characteristics of the anatomic structure of meadow foxtail shoots and the physiological functions of fan cells of their leaf epidermis. M. N. Rudakova-Nogteva. *Trudy GSKhI* 0:82-94 '58.

#### FRACTIONAL DISTILLATION

 see Distillation, Fractional

#### FRACTURE OF SOLIDS

- Present state of studying the nature of fatigue fracture of metals and alloys. M. G. Luzhetskii, A. N. Romanov. *Vest. mashinost.* 15 no. 5:56-63 My '65.
- Propagation of an arbitrarily oriented rectilinear crack during the stretching of a plate. V. V. Panasiuk, L. T. Hvezhmitskii, S. E. Kovchuk. *Fizik. mekh.* 1 no. 2:48-55 '65.

#### FRACTURES

- Characteristics of preanesthesia preparation, anesthesia and postanesthesia period in surgical treatment of osseous trauma in elderly and senile patients. I. I. Sokolov, B. V. Chetverushkin. *Trudy Inst. im. N. V. Sklif. 9:181-188 '63.*

#### FRACTURES—COMPLICATIONS AND SEQUELAE

- Death rate of patients with fractures of the trochanteric region of the hip and ways for its reduction. I. I. Krupko, V. M. Dem'ianov. *Vest. khir.* 93 no. 11:67-73 N '64.

#### FRANCE—AGRICULTURE, COOPERATIVE

- The future of agricultural cooperation in France. Jean Flavien. *Kommunist* 42 no. 10:117-122 JI '65.

#### FRANCE—BRIDGES, CONCRETE

- Construction of reinforced concrete bridges in France. E. P. Dubova and others. *Det. i zhel.-bet.* 11 no. 6:41-15 Je '65.

#### FRANCE—ECONOMICS, MATHEMATICAL

- Financial accounts in an economic model, French practice. B. L. Isaev. *Ekon. i mat. metod.* 1 no. 2:233-242 Mr-Apr '65.

#### FRANCE—EDUCATION

- Secondary education in France. G. K. Zabulis. *Sred. shkola* 12 no. 3:43-47 Mr '65.

#### FRANCE—ELECTRIC CABLES

- New designs of power cables with rating up to 15 kv. T. G. Timofeev. *Prom. energ.* 20 no. 3:39-40 Mr '65.

#### FRANCE—FINANCE

- Financial accounts in an economic model; French practice. B. L. Isaev. *Ekon. i mat. metod.* 1 no. 2:233-242 Mr-Apr '65.

#### FRANCE—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

- French monopolies in Latin America. E. Sheinin. *Mir, ekon. i mezhdunar. otn.* no. 7:100-101 '65.

#### FRANCE—FOREIGN ECONOMIC RELATIONS—RUSSIA

- An example of fruitful cooperation. T. Ievleva. *Mezhdunar. zhizn'* 12 no. 7:145-147 JI '65.

#### FRANCE—FOREIGN RELATIONS—GERMANY, WEST

- What remains of the Paris-Bonn Treaty? N. Birkov. *Nov. vrem.* 23 no. 25:15 Je '65.

#### FRANCE—FOREIGN RELATIONS—RUSSIA

- The dialog between Moscow and Paris. I. U. Kudrin. *Mezhdunar. zhizn'* 12 no. 6:82-84 Je '65.

#### FRANCE—FOREIGN RELATIONS—UNITED STATES

- Paris - Washington - Bonn. L. M. Vidasova. *Mezhdunar. zhizn'* 12 no. 7:10-21 JI '65.

#### FRANCE—GOLD STANDARD

- Foreign exchange policy of France. K. Shtrom. *Den. i kred.* 23 no. 8:85-88 Je '65.

#### FRANCE—HISTORY

- Some problems of the sociopolitical history of the Carolingian period in the contemporary West-European medieval studies. I. U. L. Besmerinyi. *Sred. veka* no. 20:104-110 '64.

#### FRANCE—INFLATION (FRANCE)

- Inflation and state monopoly measures in France. L. Krasavina. *Den. i kred.* 23 no. 5:73-83 My '65.

#### FRANCE—NITROGEN FERTILIZERS

- Use of nitrogen fertilizers in France. P. A. Baranov. *Zemledolie* 27 no. 5:52 My '65.

#### FRANCE—POLITICS AND GOVERNMENT

- The Fifth Republic in France. V. F. Kolomitsaev. *Vop. ist.* 40 no. 6:153-162 Je '65.

#### FRANCE—PUBLIC OPINION

- France and the American aggression: a letter from Paris. Andre Wurmser. *Nov. vrem.* 23 no. 25:8-9 Je '65.

#### FRANCE—STEEL, STAINLESS—METALLURGY

- New stainless steel made in France. B. I. Medovar. *Avtom. svar.* 18 no. 4:71-76 Ap '65.

#### FREE WILL AND DETERMINISM

- Concerning one legal construction. V. V. Mal'kevich. *Vop. filoz.* 19 no. 6:139-141 '65.
- Free will and legal responsibility. M. Kh. Farukhin. *Vest. Mosk. un. Ser. 10: Pravo* 20 no. 1:12-20 Ja-Mr '65.

#### FREEDOM OF THE SEAS

- International laws on the open sea. L. A. Ivanashchenko. *Mor. shor.* 47 no. 5:23-28 My '64.

#### FREEZING POINTS OF SOLUTIONS

 see Molecular weights

#### FREIDIN, LEV VLADIMIROVICH, 1889-

- Forty-five years in a printing plant. L. Gorodentsev and others. *Politgrafika* no. 12:22-23 D '64.

#### FREIGHT AND FREIGHTAGE

- (See also subdivision under Caucasus, Northern)
- On the base of a uniform technology. A. S. Rogachevskii. *Zhel. dor. transp.* 47 no. 6:84-86 Je '65.

#### FRENCH DRAMA—TRANSLATIONS INTO RUSSIAN

- Theater, translation, theater. I. U. Aikhenval'd. *Teatr* 26 no. 4:28-35 Ap '65.

#### FRENCH LANGUAGE—CHRESTOMATHIES AND READERS

- Akademika nauk SSSR. Kafedra inostrannykhazykov. [Collected texts on various subjects for students studying spoken French]. Sbornik tematicheskikh tekstov dlia izucheniushchikh razgovornuyu rech': frantsuzskiiazyk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 211 p. (MII)*

#### FRENCH LANGUAGE—DICTIONARIES—RUSSIAN

- Pererva, V. M., comp. [French-Russian dictionary of motion-picture photography technique]. Frantsuzsko-russkii slovar' po fotokinetimike. Moskva, Sovetskaya Entsiklopediya, 1965. 463 p.*

#### FRENCH POETRY—TRANSLATIONS INTO RUSSIAN

- Translation of Lamartine's poem "The Lake." L. M. Kunin. *Uch. zap. Kaf. perev. MGPIIA* no. 2:61-65 '64.

#### FREONS

- Determining the needed amount of Freon for charging brine-cooler system single-evaporator refrigerating plants. I. A. N. Laskas. *Khol. tekhn.* 42 no. 1:39-39 Ja-F '65.
- The 1,1gP diagram of the azeotropic mixture of Freon 22 and Freon 115. I. S. Bady'kova. *Khol. tekhn.* 42 no. 1:77-78 Ja-F '65.
- Optimum flow rate of freon in the evaporator tubes. A. A. Gogolin. *Khol. tekhn.* 42 no. 1:29-33 Ja-F '65.
- Possibility of obtaining transformer and freon oils from Valony petroleum (Moldavian S. S. R.). N. I. A. Rudakova and others. *Neftoper. i neftekhim.* no. 1:14-15 '65.
- Possibility of using freon deproteinization and ultra-centrifugation for the purification of Raus' virus. R. M. Radzikhovskaya. *Blul. eksp. biol. i med.* 59 no. 6:124-126 Je '65.
- Solubility of difluoromono-chloromethane (freon-22) in dibutyl phthalate at various temperatures and pressures. V. M. Seliverstov. *Zhur. prikl. khim.* 38 no. 4:905-910 Ap '65.
- Transferring marine refrigerating machinery from freon-12 to other brands of refrigerants. V. Seliverstov, V. Mirkin. *Rech. transp.* 23 no. 12:27-28 D '64.

#### FREQUENCY CHANGERS

- Comparing operating characteristics of frequency converters for supplying current to electric pump motors. T. A. Neimolov. *Za tekhn. prog.* 5 no. 3:28-29 Mr '65.
- Frequency conversion in travelling-wave tubes and backward-wave tubes. B. E. Zhelezovskii. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:319-329 '65.

- Influence of heterodyne noises on the value of the noise coefficient of diode frequency converters. M. E. Movshovich. *Elektrosviaz'* 19 no. 4:31-37 Ap '65.
- Parametric microwave frequency divider. O. I. Mednikov. *Radiotekh. i elektron.* 10 no. 6:1159-1160 Je '65.

#### FREQUENCY MEASUREMENTS

- Measuring the frequency of frequency pickups. V. G. Makhat. *IU. S. Pliskin. Priborostroenie* no. 5:5-8 My '65.

#### FREQUENCY MULTIPLIERS

- Multiple modes in a frequency divider with two nonlinear elements. M. A. Rakov. *IU. M. Shumkov. Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:372-379 '65.

#### FREQUENCY REGULATION

- Break in the tracking of an automatic phase frequency control circuit. N. P. Nikitin. *Avtom. i telem.* 25 no. 4:668-675 Ap '65.
- Effect of a phase modulated reference signal and noise on an automatic phase frequency control system. V. V. Shakhgildian. *Elektrosviaz'* 19 no. 6:19-30 Je '65.
- Synchronizing properties of a third-order system of automatic phase frequency control. I. U. N. Bakayev. *Radiotekh. i elektron.* 10 no. 6:1083-1087 Je '65.

#### FRESH WATER

- Investigating the corrosion of steel in fresh water and methods for its prevention. A. A. Garkhadov and others. *Za tekhn. prog.* 5 no. 3:40-42 Mi '65.

#### FRESHWATER BIOLOGY

- Technological and hydrobiological characteristics of water cooling reservoirs of the thermal electric power stations. B. A. Shlimanskii. *Gidrobiol. zhur.* 1 no. 2:22-26 '65.

#### FRESHWATER FISHES

 see Fishes, Freshwater

#### FRICTION

- Form of vibrating effects produced to counteract the negative action of dry friction in devices. L. A. Tregubov. *Trudy MINKHGP* no. 12:83-84 '64.
- The physical parameters and the coefficients of heat flow distribution used in calculating friction temperatures of heat-resistant friction pairs. A. V. Chichinadze, G. S. Sidorenko. *Mashinovedenie* no. 3:76-78 '65.

#### FRICTION CLUTCHES

 see Clutches (Machinery)

#### FRICTION MATERIALS

- Field for efficient use of antifriction high-molecular materials and the nature of phenomena accompanying their work. G. A. Gorokhovskii, G. E. Gelatukha, V. G. Kravchenko. *Fiz.-khim. mekh. mat.* 1 no. 2:231-236 '65.
- Stand testing of an experimental single disk pneumatic friction clutch with a retainer bearing. V. F. Shmagno, I. V. Matrenitskii. *[Nauch. trudy] ENIKMASHA* 11:78-82 '65.

#### FRIIT FLIES

- Swedish fly and common corn smut. I. Shkurpela. *Zashch. rast. ot vred. i bol.* 10 no. 5:59 '65.

#### FRONTAL SINUS

- Variations in the structure of the frontal sinuses and their significance in the professional selection of airplane pilots. I. U. K. Revakoi. *Arkh. anat., gist. i embriol.* 47 no. 10:88-92 O '64.

#### FRONTS (METEOROLOGY)

 see subdivision under Arctic regions

#### FROST-RESISTANT CONCRETE

- Analytical method of calculating the concentrations of sodium chloride during winter concreting operations. C. Kh. Bulgakov. *Izv. vys. ucheb. zav., atrol. i arkhitekt.* 6 no. 2:57-61 '65.

#### FROZEN FISH

 see Fish, Frozen

#### FROZEN GROUND

- (See also subdivision under Siberia)
- Deformation of freezing columns. I. N. Skurns. *Shakht. atrol.* 9 no. 5:10-13 My '65.
- Formation of hydrates in a gas-bearing bed under the conditions of permafrost. I. U. F. Makogon. *Gaz, prom.* 10 no. 5:14-15 '65.

#### FRUIT—ANATOMY

- Materials on the morphology of the group Angeliaceae. Report No. 1. Study of the fruit anatomy of *Angelica sylvestris* L. as a lectotype of the genus *Angelica* L. V. N. Tikhomirov, O. N. Galakhova. *Blul. MOIP. Old. biol.* 70 no. 1:111-116 Ja-F '65.

#### FRUIT—CHEMICAL COMPOSITION

- Vsesoyuznaya konferentsiya po biologicheskii aktivnyim veshchestvam plodov i jagod. Ist. Sverdlovsk, 1960. [Transactions of the First All-Union Conference on the Biologically Active Substances of Fruits and Berries]. Trudy. Sverdlovsk, 1961. 280 p.*

[DUAL MICROFILM]



## FRUIT—DISEASES AND PESTS

Intensification of hyponomeutid mites on apple L. R. Karayeva. Zhurnal prikladn. entom. 10 no. 4:46-47 '65.

## FRUIT—PRESERVATION

Improving the quality of sulfured intermediate products. V.I. Voznesenskiy, M.D. Tishchenko, Kung. izv. prom. 30 no. 3:14-15 Mr '65.

## FRUIT—STORAGE

Use of polymeric film materials in storing fruit and vegetables. D.K. Shapira. Kung. izv. prom. 20 no. 6:43-44 Je '65.

## FRUIT CULTURE

Use also subdivision under Caucasus, Northern, Central Chernozem region, Chu Valley, Sakhalin; Tatar A.S.S.R.

Calendar for the work of a fruitgrower. V. Korchagin. (Ermskaya Zashchita ot vreshch) 10 no. 5:37-38 '65.

Mechanization of intertillage of row crops in an orchard. A.N. Manaenkov. Sbor. nauch. rab. NII sad. no. 10:123-125 '64.

Organization of commercial fruit growing on state and collective farms. P.F. Dubrova. Sbor. nauch. rab. NII sad. no. 10:13-14 '64.

Problems in the prospective plan for the organization of a specialized state farm. N.A. Busarov. Sbor. nauch. rab. NII sad. no. 10:15-23 '64.

Some physical and agrochemical characteristics of soils in the microdepressions of an orchard. L.G. Zemlinskii. Sbor. nauch. rab. NII sad. no. 10:101-105 '64.

Types of agricultural brigades in the fruit culture of state farms. V.G. Zetochkina. Sbor. nauch. rab. NII sad. no. 10:27-35 '64.

Use of herbicides in an orchard. T.I. Kuryndina. Sbor. nauch. rab. NII sad. no. 10:105-108 '64.

## FRUIT CULTURE—EQUIPMENT AND SUPPLIES

The FPN-40 mounted subsoil plow. I.A. Z. Zhilitskii, N.P. Losev. Sbor. nauch. rab. NII sad. no. 10:136-140 '64.

## FRUIT TREES

Distribution of nutrients in fruit trees under the isolated nutrition of individual roots. S.S. Rubin, V.F. Maisevichko. Vest. sel'skhoz. nauk. 8 no. 6:11-117 Ag '63.

## FRUNZE—BIRCH

Seeds of birches grown in the Frunze Botanical Garden and their germinating capacity. G.F. Protodopov. Izv. Bot. sada AN Kir. SSR. no. 1:39-50 '64.

## FRUNZE—COTTON MANUFACTURE

Frunze workers conduct a creative search. V.E. Zhkov. NTO 7 no. 5:42-45 My '65.

## FRUNZE—GRAIN—CLEANING

We use a grain cleaner with continuous flow of grain. A. Naigauz. Muk.-elev. prom. 31 no. 3:9 Mr '65.

## FRUNZE—THEATER

Approximate and precise: performances of the N.K. Kravskaya Theater of Russian Drama in Frunze. V. Berezkin. Teatr. 26 no. 4:17-20 Ap '65.

## FUEL

Present-day fuel resources of the country. D.I. Maslakov. Teploenergetika. 12 no. 3:2-6 Mr '65.

Principal characteristics of petroleum fuel for industrial boiler systems. Prom. energ. 20 no. 3:46-48 Mr '65.

Standardization of the expenditure of fuel and thermal energy in petroleum refineries. E.A. Shapiro. Prom. energ. 20 no. 3:2-6 Mr '65.

## FUEL PUMPS

Automatic control of fueling diesel locomotives. A.S. Rozhdavskii, M.L. Gokhman. Zhel. dor. transp. 47 no. 6:65-66 Je '65.

## FULL EMPLOYMENT POLICIES

Smorov, K.I. [The Soviet people's great achievement in the field of labor: on the elimination of unemployment in the U.S.S.R.] Velikoe zavoovanie sovetskogo naroda v oblasti truda; o likvidatsii bezrabotitsy v SSSR. Moskva, Znanie, 1965, 31 p. (Novoe v zhizni, nauke, tekhnika. i Seriya: Istoriya, no. 11)

## FUNCTIONAL ANALYSIS

Generalized measures in functional spaces. I.U. L. Dalevskii, S.V. Pomin. Teor. veroiat. i ee prim. 10 no. 2:329-343 '65.

## FUNCTIONS

The derivative and the integral (an axiomatic approach). G.P. Tolstov. Mat. sbor. 66 no. 4:608-630 Ap '65.

Calviand, L.M., E.G. Olapova, and E.E. Shnol'. [Functions and graphs (fundamental methods)] Funktsii i grafi (osnovnye priemy). Moskva, Nauka, 1965, 94 p. (Biblioteka fiziko-matematicheskoi shkoly, Matematika, no. 2)

Growth in a strip of functions defined by Dirichlet series. G.S. Sudykhov. Izv. AN Azerb. SSR. Ser. fiz.-mat. nauk. no. 1:20-29 '65.

Integral representation of Hermitian-indefinite nuclei. V.I. Gorbachuk. Ukr. mat. zhur. 17 no. 3:43-50 '65.

Invariant operations over events. I.U. I. Ivanov. Probl. kib. no. 12:253-258 '64.

Joint nomographing of two functions up to the terms of higher order. G.G. Shumelko. Vest. Mosk. univ. Ser. I. Mat., mekh. 20 no. 2:10-15 Mr-Apr '65.

Nature of symmetry of sums with Dirichlet characters. A.I. Vinogradov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk. no. 1:21-27 '65.

Properties of IEvgrafov's function of class  $H^1$ . S. Akhmedov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk. no. 1:9-20 '65.

Some aspects of the structure of measurable functions. S.G. Kozlovskiy. Mat. sbor. 66 no. 1:483-501 Ap '65.

Some properties of essential functions of  $T_k$ . E.I.U. Zakharov, S.V. Iablonskii. Probl. kib. no. 12:247-253 '64.

Some properties of typically-real functions. V.G. Losavik. Usp. mat. nauk. 20 no. 4:109-105 My-Je '65.

"Superposition" of abridged disjunctive normal forms. I.U. L. Vasil'ev. Probl. kib. no. 12:231-242 '64.

Totally additive vector functions. Part 3. A problem of I.U. Ch. Neiman. A.A. Liapunov. Probl. kib. no. 12:185-168 '64.

Totally additive vector functions. Part 1. A.A. Liapunov. Probl. kib. no. 12:169-170 '64.

## FUNCTIONS, ANALYTIC

Mean weighted and uniform approximations of functions on rectifiable curves. I.A. L. Geronimus. Ukr. mat. zhur. 17 no. 3:16-31 '65.

Note on V.L. Dobrovolskii's paper "Applicability of complex variables to plane plastic strain." B.D. Anshin. Prikl. mat. i mekh. 20 no. 2:400 Mr-Apr '65.

## FUNCTIONS, BOOLEAN see Boolean functions

## FUNCTIONS, MEROMORPHIC

Radius of the univalence of a class of meromorphic functions. P.G. Todorov. Ukr. mat. zhur. 17 no. 3:135-141 '65.

Representation of meromorphic functions of infinite order in a half-plane. I.O. Khachatryan. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk. 18 no. 2:15-25 '65.

## FUNCTIONS, PERIODIC

Approximation of periodic functions by Fourier sums in the mean. V.I. Bardshev. Izv. AN SSSR. Ser. mat. 28 no. 3:305-326 '65.

Best approximation of a function and linear summation methods for Fourier series. M.F. Timan. Izv. AN SSSR. Ser. mat. 28 no. 3:387-404 '65.

Constructional characteristics of certain classes of functions. R.M. Trigub. Izv. AN SSSR. Ser. mat. 20 no. 3:615-630 '65.

## FUNCTIONS OF COMPLEX VARIABLES

A class of quasi-holomorphic mappings. A.A. Shmatkov. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk. 18 no. 2:26-31 '65.

Constructive characteristics of functions of a complex variable in regions with a piecewise smooth boundary. I.U. I. Volkov. Ukr. mat. zhur. 17 no. 3:115-119 '65.

Lavrent'ev, M.A., and B.V. Shabat. [Methods in the theory of functions of complex variables] Metody teorii funktsii kompleksnogo peremennogo. Izd. 3, 1964. Moskva, Nauka, 1965, 718 p.

## FUNCTIONS OF COMPLEX VARIABLES—CONGRESSES

Vsesoyuznaya konferentsiya po teorii funktsii kompleksnogo peremennogo. 7th. [Abstracts of reports of the 7th All-Union Conference on the Theory of Functions of Complex Variables] Tezisy dokladov. Rostov-na-Donu, Rostovskii gos. univ., 1964, 191 p.

## FUNCTIONS OF REAL VARIABLES

One differential property of a function of two real variables. F.I. Shnolov. Dokl. AN BSSR. 9 no. 3:145-146 Mr '65.

## FUNCTIONS OF SEVERAL VARIABLES

Perevalov, G.E. [Linear measure of plane continua] O lineinno mere ploskikh kontinuumov. [Onak] 1962. 26 p. (Tyumen'. Gosudarstvennyi pedagogicheskii institut. Kafedra matematiki, Uchenye zapiski, vol. 13, no. 3)

## FUNERAL RITES AND CEREMONIES see subdivision under Pergana

## FUNGI

Biologically active compounds in higher fungi. A.N. Shvirina. Rast. res. 1 no. 1:31-41 '65.

Biosynthesis of free amino acids by microscopical fungi. L.A. Zakordonets. Mikrobiol. zhur. 27 no. 3:6-11 '65.

Study of the composition of polysaccharide bodies of yeast fungi. L.P. Tikhov, G.A. Vitovskaya. I.V. Tikhonina. Zhur. mikrobiol. epid. i immunit. 1 no. 3:43-47 Mr '65.

## FUNGI—CULTURES AND CULTURE MEDIA

Nitrogen nutrition of the genus Chaetomium fungi isolated from various soils of Siberia. N.N. Nupkova. Izv. SO AN SSSR. no. 12. Ser. biol.-med. nauk. no. 110 '61.

## FUNGI, PHYTOPATHOGENIC

Susceptibility of Siberian fungi to colicidin-decomposing fungi in the Bol'shoy Kamenchug basin. R.A. Dugayeva. Izv. SO AN SSSR. no. 12. Ser. biol.-med. nauk. no. 3:100-100 '64.

## FUNGICIDES

Fungicidal activity of some arsenic organic compounds. L.I. Andreeva and others. Khim. v sel'sk. khoz. 20-30 Ap '65.

Zhukovskiy (Province). Silya khoronopodara dostoia. Khim. i biokhimiya. [Informational material on mineral fertilizers, pesticides and chemical substances used in animal husbandry] Dostupnyi material po mineral'nym i khimicheskim sredstvam dlya zhivotnovodstva i khimicheskoy sel'skoy khoz. zashchity. Zhukovskiy, 1964, 106 p.

[DONALD ANDERSON]

## FUNGUS DISEASES see Mycosis

## FUR—DRESSING AND DYING

Effect of active dyes on the physicochemical properties of the fur hair covering. Report No. 3. O.P. Sazykina, I.U. N. Aronina, E.S. Starkova. Nauch. study MFTI. V no. 30:101-105 '64.

Nature of the interaction of active dyes with the hair carotene. Report No. 2. O.P. Sazykina, I.U. N. Aronina, A.P. Lavrova. Nauch. study MFTI. V no. 30:111-114 '64.

## FUR-BEARING ANIMALS—DISEASES AND PESTS see subdivision under Thymyr National Area

## FURALDEHYDE

Bromination products of furfural. I.A. L. Goldfarb, L.D. Tarasova. Izv. AN SSSR. Ser. khim. no. 6:104-109 '65.

Mutual effect of furfural and isobutanol on their solubility in mixed solvents. S.I. Spitsidov, E.K. Ivanova. Izv. vuz. ucheb. zav. Khim. i khim. tekhn. 8 no. 1:10-13 '65.

Obtaining furfural by means of the dehydration of pentose hydrates on a hot surface. M.I. Gorlov, K.B. Muratov, V.K. Serezhkina. Khim. i tekhn. no. 18 no. 4:4-4 '65.

Oxidative transformations of furfural in furfural-containing vapors. V.G. Kul'nevich, K.M. Kuznetsov, S.V. Abramova. Gidroliz. i lezhakim. prom. 16 no. 7-9 '65.

Provision for the production of top-grade furfural. Gidroliz. i lezhakim. prom. 16 no. 4:1-2 '65.

Single-column circuit for continuous vacuum fractionation of crude furfural. I.U. A. Tserlin, A.A. Ivanova, E.K. Ivanova. Gidroliz. i lezhakim. prom. 16 no. 4:4-7 '65.

Synthesis and study of the products of furfural condensation with higher aliphatic ketones and polymers based on them. Z. Usmanov, I.V. Kamenskii, I.P. Lavrov. Uzb. khim. zhur. 8 no. 1:47-51 '65.

## FURALDEHYDE—ANALYSIS

Determination of furfural in the production of furfural. A.S. Mankin, G.N. Poryvaeva. Plast. massa. no. 5:56-57 '65.

## FURAN

Interaction of 2-methyl-5-(2'-carbochloroethyl)furan with polyhydric aliphatic alcohols. V.O. Glukhovskiy, S.V. Zakharova. Izv. AN SSSR. Ser. khim. no. 6:104-109 '65.

Polarographic behavior of 5-substituted furfuryl thiocyanates. I.A. Stradyn', A. Il'fashok, G. Belkment, Zhur. ob. khim. 35 no. 5:768-773 My '65.

Production of 2, 5-dimethyloluran. A. Madzhidov, A. Abdullayev, A.S. Sultanov. Uzb. khim. zhur. 8 no. 1:72-75 '65.

## FURMANOV, DMITRIY ANDREEVICH, 1881-1924

Bereznoi, A.F. [Chapayev by D. Furmanov] "Chapayev" Dm. Furmanova. Moskva, Khudozhestvennaya literatura, 1965, 128 p. (Massovaya literatura i biblioteka)

On the "Literary notes" of D. Furmanov. P. Kuprikovskii. Vop. lit. 9 no. 5:171-177 Je '65.

## FURMANOVO DISTRICT—ROCKS—MICROBIOLOGY

Distribution of microflora in the rocks and waters of tertiary deposits of the northern part of the Caspian Lowland (Furmanovo area). V.M. Bogdanova, Mikrobiologiya. 34 no. 2:381-385 Mr-Apr '65.

## FURMANOVO DISTRICT—WATER—MICROBIOLOGY

Distribution of microflora in the rocks and waters of tertiary deposits of the northern part of the Caspian Lowland (Furmanovo area). V.M. Bogdanova, Mikrobiologiya. 34 no. 2:381-385 Mr-Apr '65.

## FURNACES

- Calculation of the heat exchange of furnaces. D.P. Kolodnyi. *Teploenergetika* 12 no. 3:65-67 Mr '65
- Characteristics of a flow in cylindrical channels behind the spiral and the blade mechanism. S.L. Shagalova, I.N. Shifster, G.V. Gromov. *Teploenergetika* 12 no. 3:7-11 Mr '65
- Continuous-action furnaces for the production of mineral wool from molten blast-furnace slag. I.I. Kuklin and others. *Stroitel'mat.* 11 no. 4:32-34 Ap '65
- Evaluation of some immunobiological indices in the use of nitrofurantoin preparations. Report No. 2. Effect of preparations of the nitrofurantoin series on the general immunological reactivity. G.M. Shub, Zhur, mikro-biol., epid. i immun. 42 no. 1:44-46 Ja '65
- Furnace device with interior drying chamber for burning wood wastes. N.I. Kravtsov, Nov. tekhn. zh., kom. khoz. zhil. khoz. no. 2:85-92 '63
- Operation of the V.V. Pomerantsev high-speed TsKTI furnace on waste wood. V.V. Pomerantsev and others. *Energomashinostroyeniye* 11 no. 5:7-10 My '65

## FURNACES, HEAT-TREATING

- Automatic control of furnaces for the heat treatment of G13L steel castings. P.F. Parastuk. *Lit. proizv.* no. 2:15-16 F '65
- Nekrasov, A.S., and I.U. V. Shifak. [Economic aspects of power engineering for heating processes] *Ekonomika energetiki protsessov nagreva*, Moskva, Energiya, 1965, 134 p.

## FURNACES, HEATING

- Experimental determination of frequency characteristics of a tubular heater under normal operating conditions. M.A. Topchilashvili, F.I. Khassamedov. *Za tekhn. prog.* 5 no. 3:1-5 Mr '65
- Investigating the irregularities of the heating of sheet ingots in compartment-type, heating furnaces with a sliding bottom. V.E. Burkner and others. *Stal'* 25 no. 6:560-562 Je '65
- Operating a four-zone holding furnace on natural gas with automatic control. S.E. Khuzid and others. *Stal'* 25 no. 5:464-468 My '65
- Study of nonoxidizing heating of alloy steels. I.U.I. Rozengart and others. *Stal'* 25 no. 5:460-473 My '65
- Study of the heating of metal in a holding furnace. I.U.I. Tselniko and others. *Stal'* 25 no. 5:462-464 My '65
- Two-stage flame-induction heating of ingots for drop forging on forging presses. A.A. Maslov, Kuz.-shtam. proizv. 7 no. 4:42-43 Ap '65

## FURNACES, HEATING—DESIGN AND CONSTRUCTION

- Block heat insulation of pipes for the hearth of continuous furnaces. K.V. Simonov. *Metallurg* 10 no. 5:28-20 My '65

## FURNACES, HEATING—EQUIPMENT AND SUPPLIES

- Natural gas to intensify the heating of ingots. F.A. Evstusenko, E.V. Enikov, A.N. Pekker. *Metallurg* 10 no. 5:25-20 My '65

## FURNACES, HEATING—PROTECTIVE ATMOSPHERES

- Nonoxidizing heating of steels and alloys in glass. I.I. Gushchina. *Kuz.-shtam. proizv.* 7 no. 4:30-42 Ap '65

## FURNITURE

- (see also subdivision under Ukraine, Yakutia)
- Equipping apartments with new furniture. S.Sukhenko. *Stroitel' arkhitekt.* 13 no. 5:33-35 My '65

## FURNITURE INDUSTRY

- (see also subdivision under Armenia; Czechoslovakia; Kiev; Leningrad; Moscow; Mukachevo District)

## All-Union Scientific Technological Conference of the Workers of the Furniture Industry

- Der.prom. 14 no. 2:29-30 F '65
- Designing frame furniture and standardizing its elements. E.I. Khar'kova. *Der.prom.* 14 no. 2:5-7 F '65
- Finishing furniture by thermoplastics. V.M. Prodanenko, V.N. Cherepanov. *Bum. i der. prom.* no. 2:48-51 Ap-Je '65
- From practices in polishing nitrocellulose lacquer coatings. S.P. Tiurnin. *Der.prom.* 14 no. 2:23 F '65
- Preparing the surface of polyester coatings for polishing. T.A. Matveeva. *Der.prom.* 14 no. 2:8-9 F '65
- FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES** (see also subdivision under Kiev)
- Four-drum polishing machine. N.K. Kalmykov, I.V. Chaika. *Bum. i der. prom.* no. 2:6-8 Ap-Je '65
- Mobile electromechanical lifter for loading a press. D.L. Naumov. *Bum. i der. prom.* no. 2:3-6 Ap-Je '65
- Polishing surfaces coated with polyester varnishes. N.I. Iaremchuk. *Bum. i der. prom.* no. 2:28-30 Ap-Je '65

## FURNITURE WORKERS—EDUCATION AND TRAINING

- Joint training and work. V. Bogushas. *Sred. spets. obr.* 12 no. 2:37 F '65

## FUROIC ACID

- Derivatives of furan. Part 31: Hydrazides and substituted hydrazides of 5-alkylmethyl-2-furancarboxylic acids. A.L. Medvedev, N.M. Divanjan. *Izv. AN Akad. SSSR, Khim. nauki* 17 no. 4:431-435 '64
- Production of butyl ether of 5-cyanomethyl-2-furan carboxylic acid and its saponification. N.N. Shmagina, P.A. Moshkin. *Plast. massy* no. 4:58 '65

## FUSARIUM

- Cultivation practices in the control of Fusarium wilt of potatoes. S. Bubentsov. *Zashch. rast. ot vred. i bol.* 10 no. 5:34-35 '65

## FUSARIUM—CULTURES AND CULTURE MEDIA

- Biosynthesis of free amino acids by various species of *Fusarium* Lk. V.I. Bilal, L.A. Zakordonets. *Mikro-biol. zhur.* 27 no. 3:3-6 '65

## FUSED SALTS

- Capacity method for studying fused mixtures of strontium and alkali metal chlorides. E.A. Ufshin, N.G. Bukun. *Zhur. neorg. khim.* 10 no. 4:1008-1010 Ap '65
- Effect of a diluent on the solubility of metallic cadmium in fused cadmium chloride - alkali metal chlorides. I.U.I. Rodionov, V.R. Klokman. *Radikal'mila* 7 no. 2:159-165 '65
- Electrochemical processes in melts involving inter-metallic compounds. I.U.K. Delimarski and others. *Zhur. prikl. khim.* 38 no. 4:816-822 Ap '65
- Electrodeposition of silver from fused chlorides. P.V. Pollakov. *Izv. vys. ucheb. zav.; tsvet. met.* 8 no. 1:80-85 '65
- Equilibrium potentials of zirconium in fused cesium chloride. V.IA. Kudakov, M.V. Smirnov. *Elektrokhim. milia* 1 no. 2:143-148 F '65
- Inertness of metal electrodes in fused salt electrolytes. M.V. Smirnov, O.A. Ryzhik. *Izv. vys. ucheb. zav.; tsvet. met.* 8 no. 1:86-88 '65
- Internal friction of fused alkali metal nitrites. P.I. Protchenko, A.V. Protchenko, O.N. Razumovskaya. *Zhur. neorg. khim.* 10 no. 4:751-754 Ap '65
- Mechanism of processes for the electrolytic separation of tantalum from fused oxynitrides. V.M. Amosov. *Izv. vys. ucheb. zav.; tsvet. met.* 8 no. 1:110-120 '65
- Polarographic study with a molten mixture of  $\text{LiNO}_3 - \text{KNO}_3$  as a support under conditions of convective diffusion. I.U.K. Delimarski, G.V. Shilina. *Elektrokhim. milia* 1 no. 5:532-537 My '65

## FUSED SALTS—ELECTRIC PROPERTIES

- Conductance of melts in the  $\text{In} - \text{InCl}_3$  system. V.N. Fadeev, P.I. Fedorov. *Zhur. neorg. khim.* 10 no. 5:1449-1454 Je '65
- Study of the reciprocal system  $\text{Na}_2\text{K} \parallel \text{Cl}_2\text{SO}_4$  by the methods of thermal analysis and electroconductivity. I.T. Gul'din, A.V. Buzhinskaya. *Zhur. prikl. khim.* 38 no. 4:778-788 Ap '65

## FUSED SALTS—THERMAL PROPERTIES

- Determination of the thermal stability of fused salts. P.I. Protchenko, A.V. Protchenko. *Izv. vys. ucheb. zav.; khim. i khim. tekhn.* 8 no. 1:160-161 '65

## GABBRO see subdivision under Volyn' Province

## GADOLINIUM ISOTOPES

- 'On the isomers  $\text{Gd}^{150m}$  and  $\text{Sb}^{117m}$ . V.T. Gritayna, A.P. Kilucharev, V.V. Remaev. *Izd. fiz.* 1 no. 6:918-950 Je '65

## GADYACH DISTRICT—COOPERATIVE SOCIETIES

- Cooperative workers on the collective farm market. N. Narizhnyi. *Sov. potreb. koop.* 9 no. 3:31-33 Mr '65

## GAKHOKIDZE, AKAKI MELITONOVICH, 1909-1964

- In memory of Professor A.M. Gakhokidze. *Zhur. ob. khim.* 35 no. 6:1117-1119 Je '65

## GALAXIES

- Construction of a composite model of the galaxy and setting up a system of galactic parameters. I.A. E. Einasto. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5: 87-100 '65
- Effect of orientation in clusters of large E-galaxies. R.Kh. Gafullina, T.V. Roslakova. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:237-242 '65
- Problem of setting up a system of galactic parameters. S.A. Kutuzov. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:78-86 '65
- National foundations and current problems in the theory of galactic models. G.M. Idlis. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5:105-178 '65

## GALENA

- (see also subdivision under Transbaikalia)
- pH suspension of sphalerite and galenite in the skarn-complex metal and tin-sulfide deposits of Maritime Territory. L.N. Khatchikova, P.S. Garbuzov, A.N. Guskova. *Soob. DVFAN SSSR* no. 2:19-14 '63

## GALL GNATS—EXTERMINATION

- Apple gall gnats *Dasyneura mali* and its control. V.I. Andreeva. *Sbor. nauch. rab. NIi sad.* no. 10:146-147 '64

## GALL SICKNESS see Anaplasmosis

## GALLBLADDER

- Ability of the gallbladder to absorb protein. M.F. Nesterin. *R.V. Narodskaya. Biol. eksp. biol. i med.* 59 no. 6:23-27 Je '65

## GALLBLADDER—DISEASES

- Acute cholecystitis in elderly and senile persons. A.A. Busalov, S.M. Red'ko. *Trudy Inst. im. N.V. Sklif.* 9:51-58 '63
- Acute cholecystitis in elderly persons. E.N. Popov. *Trudy Inst. im. N.V. Sklif.* 9:60-70 '63
- Cholecystostomy in acute cholecystitis in elderly persons. P.N. Petov. *Trudy Inst. im. N.V. Sklif.* 9:71-77 '63
- Course of cholecystitis in senile persons. I.V. Butorina. *Trudy Inst. im. N.V. Sklif.* 9:80-93 '63
- Treatment of acute biliary peritonitis in aged persons. T.A. Mallugina. *Trudy Inst. im. N.V. Sklif.* 9:78-81 '63

## GALLBLADDER—SURGERY

- Acute cholecystitis in elderly and senile persons. A.A. Busalov, S.M. Red'ko. *Trudy Inst. im. N.V. Sklif.* 9:51-58 '63
- Immediate outcomes of surgical treatment of acute cholecystitis in elderly and senile persons. F.N. Gusakova. *Trudy Inst. im. N.V. Sklif.* 9:82-89 '63

## GALLÉN-KALLELA, AXEL, 1865-1931

- Axel Gallén-Kallela. M. Bezrukova. *Iskusstvo* 28 no. 4:55-61 '65

## GALLIUM ARSENIDES

- Recombination radiation in gallium arsenide under the action of single alpha particles. F.M. Berkovskii. *Fiz. tver. tela* 7 no. 6:1880-1890 Je '65

## GALLIUM ELECTRODES see Electrodes, Gallium

## GALLIUM OXIDES

- Synthesis of sodium gallosilicates at sintering temperatures. P.V. Shirokova, I.S. Lileev. *Zhur. neorg. khim.* 10 no. 6:1402-1408 Je '65

## GALLIUM PHOSPHATE

- Phosphates containing gallium and an univalent cation. I.V. Tananayev, N.N. Chudinova. *Zhur. neorg. khim.* 10 no. 4:780-785 Ap '65

## GALLIUM PHOSPHIDES—ELECTRIC PROPERTIES

- Electric properties of Te-doped gallium phosphide. D.N. Nasledov, V.V. Negreskul, S.V. Slobodchikov. *Fiz. tver. tela* 7 no. 6:1912-1915 Je '65

## GALLIUM SELENIDE CRYSTALS, EFFECT OF RADIATION ON

- X-ray conductivity and gamma conductivity of GaSe single crystals. E.S. Guseinova, R.F. Mekhtiev. *Izv. AN Azerb. SSR. Ser. fiz.-tekhn. i mat. nauk* no. 1:63-68 '65

## GALLIUM-SELENIUM ALLOYS

- Solid solutions in the system GaS - GaSe. P.G. Rustamov and others. *Izv. AN SSSR. Neorg. mat.* 1 no. 3:419-421 Mr '65

## GALLIUM SULFIDES

- Interaction of GaS with gaseous ammonia at high temperatures. I.V. Tananayev, T.B. Kuvshinova. *Zhur. neorg. khim.* 10 no. 6:1507-1508 Je '65

## GALVANIZING

- Iron content in molten zinc during hot galvanizing. I.B. Serebriakova, N.S. Smirnov. *Stal'* 25 no. 5:478-479 My '65

## GAMBIA—EDUCATION

- Public education in Gambia. A. Bobrovskii. *Nar. obr.* no. 7:97-11 '65

## GAMBURG, AGNESSA MIKHAILOVNA, 1900

- Professor Agnessa Mikhailovna Gamburg on her 60th birthday and the 35th anniversary of her scientific and pedagogical activities. *Sud.-med. ekspert.* 3 no. 2: 62-63 Ap-Je '60

## GAME AND GAME BIRDS

- Sanitary control regulations for the meat of game animals and birds. V.I. Riakhovskii. *Veterinariya* 41 no. 4:103-108 Ap '65

## GAMES

- Suitcase of a gamester. E.G. Kozlovskii. *Nach. shkola* 33 no. 6:70-73 Je '65

## GAMES OF STRATEGY (MATHEMATICS)

- Existence of a nucleus on a product of graphs. L.P. Varvak. *Ukr. mat. zhur.* 17 no. 3:112-114 '65

# GAMES OF STRATEGY (MATHEMATICS) (Continued)

30. Theory of a game of pursuit for survival and its application to the Cauchy problem for a partial differential equation of the first order. L. A. Pukhov. *Dokl. Akad. Nauk SSSR* 10 no 4 193-196 '65

## GAMMA GLOBULIN

Determining on a tissue culture the content of diphtheria antitoxin in  $\gamma$  globulins and immune sera. M. I. Vaserskiy. *Zhur. mikrobiol. epid. i immun.* 42 no 3 3-97 Mr '65

Effect of the administration of homologous  $\gamma$ -globulins on the outcome of radiation sickness in animals. V. F. Smolov. *Med. rad.* 10 no 2 54-59 F '65

Immune response of  $\gamma$ -globulin prepared from serum mixtures including a soluble antigen from infectious hepatitis patients and from mice. V. F. Kazachenko. *Zhur. mikrobiol. epid. i immun.* 42 no 1 67-69 Ja '65

Passive  $\gamma$ -globulin prophylaxis of Botkin's disease with consideration of the duration of the induced immunity. D. F. Zinkovskiy. A. V. Piskunov. *Zhur. mikrobiol. epid. i immun.* 42 no 3 116-12 Mr '65

Results of  $\gamma$ -globulin mass prophylaxis of epidemic hepatitis in the Lithuanian S. S. R. Report No 2. Comparative data on the effectiveness of various doses and methods of  $\gamma$ -globulin prophylaxis of epidemic hepatitis. T. A. Pukhovskiy, F. A. Paktorskiy. *Zhur. mikrobiol. epid. i immun.* 42 no 1 61-66 Ja '65

Simple method of analyzing fluorescein-protein conjugates. I. B. Mekler and others. *Vopr. virus.* 9 no 3 521-524 Q-O '64

Simplified chromatographic method of obtaining purified  $\gamma$ -globulin. A. A. Fikardin, T. A. Vukoboeva. *Zhur. mikrobiol. epid. i immun.* 42 no 1 70-71 Ja '65

## GAMMA RAYS

Absorption of gamma quanta and stopped  $\pi^-$ -mesons by nuclei with emission of two nucleons, and the structure of light nuclei. T. I. Kopaleishvili. *Izv. fiz.* 1 no 8: 581-570 Je '65

Catalytic activity of  $\gamma$ -irradiated silica gel in homogeneous oxygen exchange. I. A. Mikhchenko, G. K. Borekova, V. I. Gorgunskiy. *Kin. i kat.* 6 no 1 179-180 Ja-F '65

Circular polarization of gamma quanta accompanying the  $B^{10}(d, p)B^{11}$  reaction. I. Szentpety and others. *Izv. fiz.* 1 no 8: 1002-1004 Je '65

Determining moisture of soils by their gamma-radiation. A. V. Dmitriyev and others. *Meteor. i gidrol.* no 7 55-58 Ji '65

Effect of gamma rays on ruby fluorescence yield. S. V. Starodubtsev, M. Uruusov. *Izv. AN Uz SSR, Ser. fiz.-mat. nauk* 9 no 1 111-113 '65

Electrostatic device for measuring the integral absorbed energy of X-rays and  $\gamma$ -radiation. N. G. Ushchenko. *Med. rad.* 10 no 6: 33-35 Je '65

Shape of resonance absorption spectra of 23.8 keV gamma rays from the isomer  $^{57m}\text{Co}$  in tin oxide and metallic wire. K. P. Mitrofanov, M. V. Plonnikov, V. S. Shpenev. *Zhur. eksp. i teor. fiz.* 48 no 3: 791-793 Mr '65

GAMMA RAYS—EFFECT ON PLANTS see Plants, Effect of gamma rays on

## GAMMA RAYS—INDUSTRIAL APPLICATIONS

Effect of ionizing radiation on proteins and finished leather. I. P. Strakhov, I. G. Shufin. *Nauch. trudy MTILF* no 30: 34-47 '64

Effect of ionizing radiation on the improvement of the wear properties of leather. I. P. Strakhov, I. G. Shufin. *Nauch. trudy MTILF* no 30: 48-55 '64

## GAMMA RAYS—SCATTERING

Resonance scattering of gamma quanta on  $\text{Ce}^{140}$  nuclei. R. B. Begzhanov, A. A. Islanov. *Izv. AN Uz SSR, Ser. fiz.-mat. nauk* 9 no 2: 67-71 '65

## GAMMA RAYS—SPECTRA

Gamma spectrum of  $\text{Eu}^{152}$  having a half-life of 0.2 hours. B. S. Dzhalepov, N. N. Zhukovskiy, A. G. Malolain. *Izv. fiz.* 1 no 6: 941-947 Je '65

## GAMMA RAYS—THERAPEUTIC USE

Use of chemotherapy and gamma therapy with focus-skin distance in cancer of the urinary bladder. Gusev. *Med. rad.* 10 no 5: 18-22

## AGENTS

Nature of cholinergic and adrenergic reticular formation in dogs of various ages. *Trudy Inst. norm. i pat. fiz.* 78 '64

I. A. Ashmarin. *Vest. dermat. i je* '64

## AND SUPPLIES

P. Karpel, A. Shcheklavskiy. 20-22 F '65

Use of the use of hammer mills. K. A. Soboleva. *Zap.* 5: 303-305 '61

## GARDEN WALKS

Paving blocks for park pathways. V. N. Kirichenko. *Gor. khoz. Mosk.* 39 no 5 31-35 My '65

## GARDENS, MINIATURE

Garden miniatures. N. Kharchenko. *Doshk. voosp.* 38 no 5 66-67 My '65

## GARMENT CUTTING

Experience in the generalization of information on the expenditure of basic fabrics. Kh. M. Kloznet. *Shvein. prom.* no 2 11-15 Mr-Apr '65

## GAS—COMBUSTION

Certain features of the incomplete combustion of gases and monitoring the air-flow factor in nonoxidative heating furnaces. E. G. Shadel. *Gaz. delo* no 1: 29-30 '65

## GAS, NATURAL

(see also subdivision under Komi A. S. S. R.; Tyumen' Province; United States)

Conversion of natural gas for the fire refining of copper. A. I. Stezhenskii, I. G. Prazhennik. *TSvet. met.* 30 no 3 25-28 Mr '65

Economic efficiency of the use of natural gas in the nitrogen industry. M. B. Moka, A. A. Zalevskiy. *Gaz. delo* no 5: 39-41 '65

Start-up and adjustment of protective-gas stations. I. A. Grodskiy, A. A. Zhdanov, I. G. Saifants. *Gaz. prom.* 10 no 6: 24-29 '65

Unit for the catalytic conversion of natural gas with air without a preheating of initial products. I. U. H. Prazhennik, A. I. Stezhenskii. *Khim. prom. [Ukr.]* no 2: 57-58 Ap-Je '65

## GAS, NATURAL—GEOLOGY

(see also subdivision under Asia, Central; Bozday Range; Dnieper-Donets Lowland; Grynovka Gas Field; Kazakhstan; Saratov Province; Tatar A. S. S. R.; Ukraine, Volga-Ural region; Volga Valley)

Age criteria for the prospects of oil and gas potentials. S. P. Kozlenko. *Trudy VNIGG* no 1: 28-33 '64

Conditions governing the use of some hydrogeological criteria for the estimation of oil and gas potentials. A. S. Zinger. *Trudy VNIGG* no 1: 26-29 '64

Effect of the temperature and overall pressure on the gas permeability of rocks. I. A. Burlakov, N. S. Gudok. *Gaz. delo* no 4: 13-16 '65

## GAS, NATURAL—HYDRATES

Effect of surfactants on the formation and sedimentation of hydrates. T. A. Saltykov, A. M. Lobkov. *Gaz. delo* no 4: 9-13 '65

Formation of hydrates in a gas-bearing bed under the conditions of permafrost. I. U. F. Makogon. *Gaz. prom.* 10 no 5: 14-15 '65

## GAS, NATURAL—PIPELINES

(see also subdivision under Soviet Central Asia)

Gas-pipeline accident prevention. I. A. I. Ermenson. *Gaz. delo* no 1: 12-14 '65

## GAS, NATURAL—STORAGE

(see subdivision under Black Sea Economic region; Dnieper Economic region)

## GAS, NATURAL—TRANSPORTATION

Work of the Azerbaijan Polytechnical Institute on automation and cybernetics. D. B. Balasanyan. *Gaz. delo* no 5: 42-43 '65

## GAS AND OIL ENGINES

(see Internal combustion engines)

## GAS AS FUEL

Lavrov, N. V. [Fundamentals of the combustion of gaseous fuel] *Osnovy goreniya gazoobraznogo topliva*. Tashkent, Izd-vo Akad. nauk UzSSR, 1962, 417 p.

Natural gas in cupola furnaces. A. Galda-Baranovskiy, I. Imangulov. *Nar. khoz. Kazakh.* 23 no 3: 64-65 Mr '65

Simplified method for calculating the efficiency of the use of natural gas in multistage units. B. V. Sharin. *Gaz. delo* no 5: 29-32 '65

## GAS BURNERS

Adjustment of multiple-jet burners manufactured by Moscow gasworks. A. A. Markus. *Energetik* 13 no 2: 8-9 F '65

Characteristics of the operation of gas-fired heating-furnace burners for the combustion of propane-butane. G. G. Tratanov, P. V. Kobiakov, L. P. Koneva. *Gaz. prom.* 10 no 5: 21-23 '65

Choice of single-nozzle ejection-type gas burners with complete mixing. A. S. Isserlin, R. I. Esterkin, V. M. Tsygin. *Energomashinostroenie* 11 no 5: 42-43 My '65

Effectiveness of sparging the embrasures of the lower-slotted gas burners of boilers. M. I. Putilov. *Prom. energ.* 20 no 3: 23-27 Mr '65

Flameless burning of gas in a furnace with a fluidized bed. V. M. Dement'ev and others. *Gaz. prom.* 10 no 6: 28-32 '65

Improvement of a high-speed gas shutter. A. M. Kruchinin. *Energetik* 13 no 4: 14-15 Ap '65

Interaction of the jets of primary and secondary flows and its effect on the position of the torch. T. A. Kozlov. *Energ. i teploenergetika* 12 no 3: 66-69 Mr '64

Investigating propane-butane injection burners. T. I. Dorzhina, A. N. Kuzhavskiy. *Gaz. prom.* 10 no 10: 24-28 '65

Lavrov, N. V. [Fundamentals of the combustion of gaseous fuel] *Osnovy goreniya gazoobraznogo topliva*. Tashkent, Izd-vo Akad. nauk UzSSR, 1962, 417 p.

Operating a pilotlight with radiating walls. G. N. Kul'bachskiy. *Neteplo. i netekhn.* no 1: 47-49 '65

Regulating the operation of medium-pressure angular injection burners. V. P. Dzhuravov. *Gaz. prom.* 10 no 6: 28-30 '65

Technical and economic indices for industrial furnaces. A. K. Radin. *Gaz. delo* no 4: 34-35 '65

Use of gas infrared radiators in the production of structural parts. L. S. Verkhovskiy, K. N. Zhuravov, V. I. Birlukova. *Gaz. prom.* 10 no 6: 32-34 '65

## GAS BURNERS—IGNITION

Remote-control electric-gas injection ignition device. K. P. Kogan, I. A. Polunin. *Gaz. delo* no 5: 27-28 '65

## GAS CHROMATOGRAPHY

Analysis of heavy pyrolytic oils from petroleum by their carbons by gas chromatography. O. G. Chabrov, H. I. Atanas'ev, M. S. Vildergauz. *Ucheb. khim. zhurn.* no 1: 13-17 '65

Continuous measurement of radioactivity during the separation of  $\text{S}^{35}$  tagged compounds by gas liquid chromatography. K. Panek, K. Mudra. *Radiofizika* 7 no 2: 246-252 '65

Gas chromatographic determination of impurities in methyl chloride. N. T. Ivanova, N. A. Palamarchuk, S. V. Sivovillio. *Plast. massy* no 4: 65-67 '65

Preparative separation of light natural hydrocarbons in gas-adsorption chromatography. A. P. Birlukova. *Gaz. delo* no 5: 33-35 '65

## GAS CYLINDERS

Special characterization of the forming of composite gas cylinder bottoms. V. G. Kuporovich. *Trudy IIL* no 243: 173-177 '65

## GAS DETECTORS

Limiting the use of the Sh-3 and Sh-5 gas detectors. I. A. I. Iankov, N. M. Mikhan. *Dozop. i truda v prom.* 9 no 3: 5-7 Mr '65

## GAS DISTRIBUTION

Gaidukhin, A. I. [Operation of gas systems and equipment] *Eksploataatsiya gazovyykh ustroystv i ustroystv*. Izd. 2., petro. Moskva, Strolizdat, 1965, 320 p.

New machinery in gas service. B. B. Buzanov. *Trudy kom. khoz.* 15 no 1: 21-25 Ja '65

Optimal number of gas-distribution points in the distribution of gas networks. S. V. Gerasimov. *Gaz. prom.* 10 no 6: 20-23 '65

Regimes for the consumption of gas by the population and the municipal sector of cities. S. A. Shchegolev, K. I. Varyagin. *Gaz. prom.* 10 no 5: 18-21 '65

Work of the Azerbaijan Polytechnical Institute on automation and cybernetics. D. B. Balasanyan. *Gaz. delo* no 5: 12-43 '65

## GAS DISTRIBUTION—SAFETY MEASURES

Strengthening the control in gas enterprises. B. G. Matukhov. *Dozop. i truda v prom.* 9 no 3: 20-21 Mr '65

## GAS DYNAMICS

Barantsev, R. G. [Lectures on transonic gas dynamics] *Lektsii po transonikovoi gazodinamike*. [Leningrad] Izd-vo Leningr. univ., 1965, 215 p.

Converging shock waves in a heat-conducting gas. I. I. Zubavskiy, V. A. Shchegolev. *Prilozh. k. zhurn. tekhn. i mekhn.* 29 no 2: 334-336 Mr-Apr '65

Experimental analysis of hydraulic resistance in the valves of piston expanders. L. L. Shlein. *Trudy VNIIMASH* no 6: 144-150 '65

Measurement of the average dynamic pressure of a fluid flow. V. I. Nitsenko, I. A. M. Shchegolev. *Energetik* 11 no 4: 12-14 Ap '65

## GAS DYNAMICS—BOUNDARY VALUE PROBLEMS

Solutions of plane and axisymmetric nonstationary gas dynamics equations near the leading edge of a circumfluous body. K. A. Bozhakov. *Izv. AN BSSR, Mekh.* no 2: 188-170 Mr-Apr '65

## GAS DYNAMICS—TABLES, CALCULATIONS, ETC.

Tables of gas dynamic functions for  $\text{K}_2$ , 67 (Appendix to V. I. Epifanov's article on p. 3). *Trudy VNIIMASH* no 6: 192-195 '65

## GAS FIELD DEVELOPMENT

(see also subdivision under Volgograd Province)

Simplified method for calculating the damping parameters of gasers and spouters. N. P. Reshetnikov. *Net. i gaz. prom.* no 3: 23-24 Ap-Je '65

Urinson, O. S. [Economics of natural gas production] *Ekonomika dobychi prirodnogo gaza*. Moskva, Nedra, 1965, 156 p.

## 2377

## GASES IN METALS

- Causes of pore formation in titanium welded joints. A. I. Gorshkov, Svar, proizv. no. 4:25-28 Ap '65.
- Effect of vacuum treating the mold cavity on parameters of the process and gas content of castings in die casting. L. A. Gasparyan, Lit. proizv. no. 3:32-35 Mr '65.
- Flow of gases from the mold cavity through vents during die casting. A. A. Ryzhikov, S. Z. Zlotin, Lit. proizv. no. 3:35-37 Mr '65.
- Gas content of malleable cast iron. P. N. Bidulia, G. I. Shul'te, K. M. Ankva, Lit. proizv. no. 2:26-27 F '65.
- Hydrogen in the welding bath and porosity of welds in the welding of aluminum under flux. D. M. Rabkin, G. M. Grigorenko, Avtom. svar, 18 no. 4:20-22 Ap '65.
- Kinetics of gas liberation during the inoculation of liquid cast iron. V. T. Butaev and others, Lit. proizv. no. 3:25-27 Mr '65.

## GASHOLDERS—WELDING

- All-welded dry gasholders. R. Gonzik, B. Lzh, K. Pavera, Avtom. svar, 18 no. 1:42-45 Ap '65.

## GASOLINE

- Automation of a gasoline plant. A. E. Bershadskii, V. G. Dianov, Trudy MINKHGP no. 52:40-51 '64.

## GASOMETRY see subdivision under Saratov Province

## GASTRIC JUICE—ANALYSIS

- Method of orienting determination of the acidity of gastric juice without intubation. V. K. Modestov, A. L. Kozyreva, Trudy TSU 71:10-16 '61.

## GASTROINTESTINAL HEMORRHAGE

- Basis for selecting the method of anesthesia in surgery on gastroduodenal hemorrhages. I. N. Erashova, Trudy Inst. im. N. V. Sklif 9:205-209 '63.
- Methodology for the determination of gastrointestinal hemorrhages by means of Cr<sup>51</sup>. A. Z. Tsfasman, G. V. Dblizheva, Med. rad. 10 no. 6:19-22 Je '65.

## GASTROINTESTINAL MOTILITY

- Effect of pharmacological preparations on the motor function of the gastrointestinal tract: a survey. L. D. Lindemratan, E. G. Pinkhosevich, M. A. Khadzhev, Vest. rent. i rad. 40 no. 2:31-37 Mr-Ap '65.
- Functional state of the gastrointestinal tract in radio-phosphorus therapy of polycythemia vera. Z. T. Belugina, Med. rad. 10 no. 5:35-40 My '65.
- Gastric motor function in pikes following vagotomy. V. A. Remorov, Fiziol. zhur. 51 no. 5:613-620 My '65.

## GATES, HYDRAULIC

- Results of investigations of automatic radial tailwater gates. A. A. Gartung, I. B. Khamadov, Vop. gidr. no. 22:76-85 '65.

## GAUGES

- Measuring radii of profile gauges with radial heads. V. I. Bondarev, Izv. tekhn. no. 2:24-29 F '65.

## GAZLI GAS FIELD—GAS FIELD DEVELOPMENT—ECONOMIC ASPECTS

- Some problems in the economics of the development of the Gazli gas field. A. L. Kozlov, V. D. Kulikova, G. S. Urinson, Gaz. delo no. 4:31-34 '65.

## GAZLI GAS FIELD—GAS WELL COMPLETION

- Multicyclic investigations of wells in the Gazli gas field for a more precise determination of the optimal yields. S. M. Tverkovkin, Gaz. delo no. 4:5-B '65.

## GEAR CUTTING

- Effect of burns caused by grinding on the contact strength of cemented and hardened gear wheels. A. I. Petrushevich, M. D. Genkin, N. M. Ryzhov, Vest. Mashinost. 45 no. 6:7-13 Je '65.
- Heat treatment of heavily loaded gears. A. A. Borisov, Metalloved. i term. obr. met. no. 4:56-58 Ap '65.

## GEAR-SHAPING MACHINES—MODELS

- Operating model of the main movement mechanism of a semi-automatic gear-shaping machine. D. I. Kaganovich, Sred. spets. obr. 12 no. 2:49-51 F '65.

## GEARING

- Automatic recording of the damages of friction surfaces of gear wheels. M. L. Turovskii, Mashinostroenie no. 3:87-90 My-Je '65.
- Basic structural parameters of multidisk friction speed variators. G. A. Revkov, Vest. mashinost. 45 no. 5:11-14 My '65.
- Belyl, V. A., A. I. Sviridenok, and S. V. Shcherbakov, [Plastic gear transmissions] Zubchatye peredachi iz plastmass. Minsk, Nauka i tekhnika, 1965, 247 p.
- Comparative testing of globoid reducing gears. I. M. Subbochev, Vest. mashinost. 45 no. 6:16-18 Je '65.
- Increasing the loading capacity of gear transmissions. M. G. Korkina, Mashinostroenie no. 3:11-13 My-Je '65.
- Reducing gear made by students. V. S. Buchin, Sred. spets. obr. 12 no. 2:53 F '65.

- Sakhtenko, V. I., [Novikov gear transmissions; survey of their design and methods of construction] Zubchatye peredachi Novikova; obzor konstruktiv i metodov rascheta, Kiev, Politekhn. in-t, 1964, 69 p.

## GEARING, SPIRAL

- Design of balls for controlling gears with circular helical engagement. E. I. Gulida, Mashinostroenie no. 3:83-87 My-Je '65.

## GEARING, WORM

- Characteristics of the loaded contact in worm gears and its simulation by rollers. P. S. Zak Vest. Mashinost. 45 no. 6:13-16 Je '65.

## GEESSE

- Use of the alternating heating system in the incubation of goose eggs. I. L. Makarau, Vest. AN BSSR, Ser. sel'skosp. nav. no. 4:88-94 '64.

## GEESSE—PARASITES see Parasites—Geese

## GELATIN

- Two-sided films formed from solutions of aerosol MA with gelatine additions. K. V. Zotova, A. A. Trapeznikov, Koll. zhur. 27 no. 2:197-202 Mr-Ap '65.

## GELLERT, HUGO, 1892-

- Militant vanguard of American graphic artists. E. Gaidukovich, Iskustvo 28 no. 4:50-54 '65.

## GEL'MAN, ALEKSANDR SAMOILOVICH, 1903-

- On the 60th birthday of A. S. Gel'man, Avtom. svar. 18 no. 3:80 Mr '65.

## GENERALIZED INTEGRALS see Integrals, Generalized

## GENERATIVE ORGANS, FEMALE

- Treatment of polycythemia with radioactive phosphorus and the sexual functions of the female organism. A. L. Kozyreva, A. A. Nestorova, Trudy TSU 71:94-98 '64.

## GENERATIVE ORGANS, FEMALE—CANCER

- Organization of cytologic studies in gynecological oncology. E. A. Svindler, Vop. onk. 10 no. 12:81-87 '64.

## GENERATIVE ORGANS, FEMALE—RADIOGRAPHY

- New method of hysterosalpingography. R. A. Khenkov, T. D. Moldover, Sov. med. 28 no. 4:118-121 Ap '65.
- Pneumoperitoneum and gynecological radiography in the diagnosis of the internal female sex organs. M. S. Poliak, Vop. onk. 10 no. 12:77-81 '64.

## GENERATIVE ORGAN, FEMALE—TUMORS

- Pneumoperitoneum and gynecological radiography in the diagnosis of the internal female sex organs. M. S. Poliak, Vop. onk. 10 no. 12:77-81 '64.

## GENERATIVE ORGANS, MALE

- Effect of ionizing radiation on the sexual function in man. L. A. Mil'man, N. A. Mil'man, Med. rad. 10 no. 5:65-71 My '65.

## GENERATORS, THERMOELECTRIC see Thermoelectric generators

## GENETICS

- Akademiya meditsinskikh nauk, SSSR, Moscow, Institut eksperimental'noi meditsiny, [Problems of medical genetics] Problemy meditsinskoi genetiki. Pod red. D. A. Biriukova. (Leningrad Meditsina, 1965, 246 p.)

- Genetic consequences of the intratead pairing of oocarpotes in yeasts. I. A. Zakharov, Vest. LGU 20 no. 9:124-129 '65.
- Genetic recombinations in intestinal bacteria. Report No. 7. A. A. Abidov, N. I. Siniahtin, S. A. Diachenko, Urb. biol. zhur. 8 no. 1:67-68 '65.

- Soveshchaniye po poliploidii, 1963, [Polyploidy and breeding; transactions] Poliploidia i selektsiya; trudy. Moskva, Nauka, 1965, 322 p.

## GENITOURINARY ORGANS—CANCER

- Chemotherapy of tumors of the genitourinary organs. Part 1: Tumors of the kidneys, the urinary bladder and the testicle. E. M. Vermeil, L. S. Erukhimov, Vop. onk. 10 no. 12:88-97 '64.

## GENITOURINARY ORGANS—TUMORS

- Direct lymphography in tumors of the urogenital organs. D. L. Kleinman, L. M. Rabkova, Vop. onk. 11 no. 3:35-42 '65.

## GEOCHEMICAL PROSPECTING

- (see also subdivision under Karatau)
- Arsenic as a geochemical indicator in prospecting for copper-silver ore bodies. N. P. Il'yushchenko, Izv. AN Kazakh. SSR, Ser. geol. 22 no. 1:85-88 Ja-F '65.

## GEOCHEMISTRY

- (see also subdivision under Transbaikalia)
- Concentration of chemical elements in dispersion halos. R. I. Dubov, Geol. i geofiz. no. 12:44-45 '64.

## GEODESY—CONGRESSES

- Technological conference of the workers of the topographic service of the Main Geological-Prospecting Administration of the Ukrainian S S R. N. I. Lebid', Geol. zhur. 25 no. 2:114 '65.

## GEO-ELECTRIC PROSPECTING see Electric prospecting

## GEOGRAPHY see subdivision under Siberia

## GEOGRAPHY—ABSTRACTS

- [Geography] Ref. zhur.: Geog. no. 6 Ja '65.

## GEOGRAPHY—MAPS

- Effect of the distortion of the length of lines of geographical maps on the results of geophysical calculations. S. I. Kesel'man, Geol. i geofiz. no. 12:110-112 '64.

## GEOGRAPHY, ECONOMIC

- (see also subdivision 'Economic geography' under East Kazakhstan Province; Orenburg)
- Moscow, Institut narodnogo khozaystva, [Economic regions of the U. S. S. R.] Ekonomicheskie raiony SSSR. Moskva, Ekonomika, 1965, 589 p.

## GEOLOGICAL TIME

- (see also subdivision under Baysuntay; Kal'dzhir Valley; Karatau; Kirovakan; Kurchum Valley, Kazakhstan; Pamirs; Timan Range)
- Determining the age of crystalline rocks according to their magnetization. N. P. Mikhailova, Z. A. Krutikova, Geol. i geofiz. no. 9:44-51 '64.
- Some data on the determination of the absolute age of rocks using the method of the comparative dispersion of birefringence. E. B. Akiev, Uzb. geol. zhur. 8 no. 2:57-61 '65.

## GEOLOGY

- (see also subdivision under Altai Mountains; Armenia; Biryusa Valley; Black Sea; Crimea; Karamazar Mountains; Sayan Mountains; Turkmenistan)
- Lebedinskiy, V. I., and A. I. Shalimov, [Mysteries of minerals] Zagadki zemnykh nedr. Kiev, Naukova dumka, 1965, 181 p. (Nauchno-populiarnaya literatura)

## GEOLOGY—CONGRESSES

- All-Union Conference on the Study of the Quaternary Period. Geol. i geofiz. no. 12:145-147 '64.
- Second All-Union Volcanologic Conference. V. S. Chelupov, V. A. Arapov, G. P. Chebotareva, Uzb. geol. zhur. 9 no. 2:74-76 '65.
- 22d session of the International Geological Congress held in India, December 1964. I. I. Katashenok, Izv. AN SSSR, Ser. geol. 30 no. 6:141-142 Je '65.

## GEOLOGY—MAPS

- Safirov, G. N., [Structural geology and geological mapping] Strukturalnaya geologiya i geologicheskoe kartirovanie. Moskva, Nedra, 1965, 153 p.

## GEOLOGY—STUDY AND TEACHING see subdivision under Kazakhstan

## GEOLOGY, ECONOMIC

- Korulin, D. M., [Geology and minerals of the U. S. S. R.] Geologiya i poleznye iskopaemye SSSR. Minsk, Vysshaya shkola, 1965, 310 p.

## GEOLOGY, ECONOMIC—CONGRESSES

- Mezhvedomstvennoe soveshchaniye po probleme "Rudonosnost' vulkanogennykh formatsii," Moskva, 1963. [Materials of the interdepartmental conference on the problem "The Ore Potential of Volcanic Formations"] Materialy. Pod obshchey red. V. N. Kotlarskiy. Moskva, Nedra, 1965, 324 p.

## GEOLOGY, ECONOMIC—RESEARCH see subdivision under Khibiny Mountains

## GEOLOGY, STRATIGRAPHIC

- (see also subdivision under Altai Mountains; Astrakhan Province; Baltic Sea region; Black Sea Depression; Chingiztau; Kalmyk A. S. S. R.; Kamchatka; Krivoy Rog Basin; Kursk Magnetic Anomaly; Kusarchay Valley; Maritime Territory; Noril'sk region, Krasnoyarsk Territory; Omulovka Valley; Pripet Valley; Pskov Range; Russian Platform; Samur Valley; Sandalash Range; Saratov Province; Sivash region; Soviet Central Asia; Tatar A. S. S. R.; Tien Shan; Ukraine; West Siberian Plain; Yenisey Range)
- Principles of the division and correlation of Pre-Cambrian sediments. L. I. Borovikov, T. N. Spizharskiy, Geol. i geofiz. no. 1:21-29 '65.
- Using the electrokinetic potential of suspensions of clay materials to correlate Tertiary sections according to argillaceous members. A. N. Petrovskaya, A. I. Volodchenkova, Trudy VNI no. 43:270-277 '65.

## GEOLOGY, STRUCTURAL

[see also subdivision under Alaska; Aldan Plateau; Aleutian Islands; Azov Sea region; Balkan Lake region; Baku Archipelago; Dolzovka region; Zapozh'ye Province; Black Sea region, California; Caucasus; Crimea; Dnieper-Donets Lowland; Dnieper Valley; Dzungarian Alatau, Japan, Kamchatka, Karamazar Mountains, Kazakhstan; Kurama Range; Russian Platform; Sakhalin; Sayan Mountains, Siberia; Siberian Platform; Soviet Far East; Syria; Tatar A. S. R.; Ukraine]

Classification of tectonic structures. V. D. Nalivkin. *Geotektonika* no. 3:14-19 My-Je '65.

Criteria for the identification of transverse tectonic disturbances with a small shift using magnetometry. S. S. Krasovskii. *Geofiz. sbor.* no. 8:85-91 '64.

Mapping. G. N. [Structural geology and geological mapping] Strukturalnaya geologiya i geologicheskoe kartirovanie. Moskva, Nedra, 1965, 158 p.

Tectonic convergence of facies through powerful thrusts. A. I. Suvorov, S. G. Samygin. *Izv. AN SSSR. Ser. geol.* no. 5:46-64 My '65.

## GEOLOGY, STRUCTURAL—MAPS

[see also subdivision under North Atlantic region, Krasnoyarsk Territory]

Methods for plotting paleotectonic maps. V. D. Nalivkin, V. F. Khudin. *Metod. paleogeog. issl.* no. 1:215-227 '61.

Paleotectonic maps and the methods for plotting them. T. M. Spizhanskii, I. A. Gromov. *Metod. paleogeog. issl.* no. 1:228-247 '64.

## GEOMETRY, ALGEBRAIC

A circle on a surface. I. U. D. Burago, M. D. Stratilatova. *Trudy Mat. inst.* 76:88-114 '65.

An isoperimetric problem and estimating the length of a curve on a surface. A. D. Aleksandrov, V. V. Strel'tsov. *Trudy Mat. inst.* 76:87-89 '65.

An isoperimetric problem involving an area of bounded width on a surface. I. U. D. Burago, V. A. Zalgaller. *Trudy Mat. inst.* 76:81-87 '65.

Proportional approximation of metrics. I. U. D. Burago. *Trudy Mat. inst.* 76:120-123 '65.

Some loci on a surface. M. B. Stratilatova. *Trudy Mat. inst.* 76:115-119 '65.

## GEOMETRY, DESCRIPTIVE

Zilinger, L. A. [Descriptive geometry; abstract of lectures] Nachraterat'nala geometrii, konspekt teksta. Moskva, Mosk. in-t radioelektroniki i gornol. otkrytoekonomiki, 1963, 67 p.

## GEOMETRY, PROJECTIVE

Fundamental aspects of the theory of projections of semi-structures. L. N. Shevlin. *Mat. sbor.* 66 no. 4:508-507 Ap '65.

GEOMORPHOLOGY see subdivision under Darynsaut; Indigirka Valley

## GEOPHYSICS

Geophysical characteristics of platform areas. A. A. Borisov. *Geotektonika* no. 3:3-13 My-Je '65.

## GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur. i Geofiz. no. 6 Je '65.

## GEORGIA—IRON AND STEEL WORKERS

The worker's character. E. Safonov. *Sov. profsoyuz* 21 no. 12:20 Je '65.

## GEORGIA—PETROLEUM PRODUCTION

Thermolift. D. B. Chelakuk. *Neft. i gaz. prom.* no. 2:31-33 Ap-Je '65.

## GEORGIA—PLUM

New developments in the production of cherry plum preserves. N. Nizharadze, E. P. Kotidi. *Kons. i ov. prom.* 20 no. 3:5-6 Mr '65.

## GEORGIA—ROAD CONSTRUCTION

Characteristics of the technology of the construction of black top roads under various climatic conditions of the Georgian S. S. R. Z. S. Bitakinnashvili. *Trudy GPI [Gruz.]* no. 7:17-22 '63.

Construction of black top roads in Georgia. M. I. Biseishvili. *Trudy GPI [Gruz.]* no. 7:9-11 '63.

Determining the prospective traffic intensity on the base of the materials of direct surveys on the automobile roads of the Georgian S. S. R. Z. S. Bitakinnashvili. *Trudy GPI [Gruz.]* no. 7:13-16 '63.

## GEORGIAN LANGUAGE—GRAMMAR

[Ibero-Caucasian linguistics (Ibero-Caucasia)] Iberisko-kavkazskoeazykoznanie (Ibero-Caucasia). Tbilisi, Izd-vo "Molanioroba." [In Georgian and Russian] Vol. 14, 1964, 304 p.

## GEORGIAN SINGERS see Singers, Georgian

## GEORGIEVSK DISTRICT—RETAIL TRADE

Progressive cooperative societies assist those who lag behind. P. Dodin. *Sov. poireb. koop.* 9 no. 3:7-8 Mr '65.

GEORGIEVSKAYA, ANASTASIA PAVLOVNA, 1915- Inexhaustible talent. N. Grigor'eva. *Teatr* 26 no. 4:102 Ap '65.

## GERANIOL

Cyclization of geraniol and nerol ethers. A. V. Semenovskii and others. *Izv. AN SSSR. Ser. khim.* no. 6:1088-1070 '65.

## GERASIMOV, MIKHAIL MIKHAILOVICH, 1907-

Resurrection from the dust. K. Dozhanski. *Sov. voen.* 47 no. 7:45 Ap '65.

GERBILS—DISEASES AND PESTS see subdivision under 'Isolat'

GERBILS AS CARRIERS OF DISEASE see subdivision under Uzbekistan

## GERIATRICS

Acute appendicitis in elderly and senile persons. S. I. Chikhunashvili, M. N. Shakarishvili. *Trudy Inst. im. N. V. Sklif.* 9:271-277 '63.

Acute cholecystitis in elderly and senile persons. A. A. Busslov, S. M. Red'ko. *Trudy Inst. im. N. V. Sklif.* 9:51-59 '63.

Acute cholecystitis in elderly persons. E. N. Popov. *Trudy Inst. im. N. V. Sklif.* 9:60-70 '63.

Anesthesia in emergency surgery on senile persons. B. G. Zhilis, O. D. Fainbrun, A. A. Firsov. *Trudy Inst. im. N. V. Sklif.* 9:170-174 '63.

Anesthesia in surgery on elderly persons. O. D. Koliutskaia, V. G. Borisov. *Trudy Inst. im. N. V. Sklif.* 9:193-196 '63.

Anesthesia in surgery on peptic ulcer of the stomach and duodenum and its complications in elderly and senile patients. V. B. Humantsev. *Trudy Inst. im. N. V. Sklif.* 9:202-205 '63.

Characteristics of preanesthesia preparation, anesthesia and postanesthesia period in surgical treatment of osseous trauma in elderly and senile patients. I. I. Sokolov, B. V. Chetverushkin. *Trudy Inst. im. N. V. Sklif.* 9:181-188 '63.

Characteristics of the course of acute appendicitis in elderly persons. D. A. Arapov, E. M. Ivanovskaya. *Trudy Inst. im. N. V. Sklif.* 9:20-24 '63.

Characteristics of traumatic shock in elderly persons. N. V. Ukhanova. *Trudy Inst. im. N. V. Sklif.* 9:137-140 '63.

Cholecystectomy in acute cholecystitis in elderly persons. P. N. Petrov. *Trudy Inst. im. N. V. Sklif.* 9:71-77 '63.

Clinical anatomical characteristics of acute surgical diseases of the abdominal cavity in elderly persons, based on materials of the Sklifovskii Institute. A. V. Smol'tannikov, T. A. Naddaschina, N. K. Permiakov. *Trudy Inst. im. N. V. Sklif.* 9:13-19 '63.

Complications following appendectomy for acute appendicitis in elderly persons. N. A. Galin. *Trudy Inst. im. N. V. Sklif.* 9:94-98 '63.

Corticovisceral correlations in the acute period of gastric ulcer in elderly persons. D. A. Arapov, E. S. Lokhina. *Trudy Inst. im. N. V. Sklif.* 9:151-160 '63.

Course of cholecystitis in senile persons. I. V. Buterinn. *Trudy Inst. im. N. V. Sklif.* 9:80-83 '63.

Discussions at the sessions. *Trudy Inst. im. N. V. Sklif.* 9:278-303 '63.

Emergency and planned surgery in elderly patients. B. A. Petrov. *Trudy Inst. im. N. V. Sklif.* 9:6-12 '63.

Emergency surgery in elderly and senile persons based on materials of the Sverdlovsk Surgical Clinic for 10 years. N. K. Kudryavtseva, V. K. Titov. *Trudy Inst. im. N. V. Sklif.* 9:30-37 '63.

Immediate outcomes of surgical treatment of acute cholecystitis in elderly and senile persons. F. N. Gusekova. *Trudy Inst. im. N. V. Sklif.* 9:82-88 '63.

Intrahepatic pericapsular fibrosis and its role in functional disorders of the biliary apparatus of the pancreas in elderly and senile persons. M. A. Zhukov, Probl. endok. i gorm. 10 no. 5:13-17 S-O '64.

Kaplan, A. V. [Fundamentals of traumatology at an elderly age] Osnovy travmatologii pozhilogo vozrasta. Moskva, Meditsina, 1965, 250 p. (Biblioteka prakticheskogo vracha) (DNLM)

Mechanical suture made by means of suturing apparatus in surgical operations on elderly patients. P. I. Androssov. *Trudy Inst. im. N. V. Sklif.* 9:161-165 '63.

Modern methods of anesthesia in surgery on senile persons. A. P. Zil'ber. *Trudy Inst. im. N. V. Sklif.* 9:213-221 '63.

Obturatorial intestinal obstruction caused by cancer of the rectum in elderly persons. L. S. Koptovskaya. *Trudy Inst. im. N. V. Sklif.* 9:118-124 '63.

Outcomes of acute surgical diseases of the abdominal cavity in elderly persons. L. I. Garvin. *Trudy Inst. im. N. V. Sklif.* 9:125-131 '63.

Perforation of gastric and duodenal ulcer in elderly persons. N. I. Kozintsev. *Trudy Inst. im. N. V. Sklif.* 9:44-50 '63.

Results of surgical treatment of thromboembolism of mesenteric and main vessels in elderly persons. V. M. Glubkovskaya. *Trudy Inst. im. N. V. Sklif.* 9:146-150 '63.

Selection of anesthesia for senile persons. N. I. Ervantsev. *Trudy Inst. im. N. V. Sklif.* 9:240-244 '63.

Selection of the method of surgical intervention in sigmoid gangrene in elderly and senile patients. V. N. Meshkova. *Trudy Inst. im. N. V. Sklif.* 9:111-118 '63.

Strangulated hernia in elderly persons. O. I. Vinogradova. *Trudy Inst. im. N. V. Sklif.* 9:38-43 '63.

Strangulated intestinal obstruction in elderly persons. E. V. Loskutova. *Trudy Inst. im. N. V. Sklif.* 9:103-110 '63.

Surgeon's tactics in surgical diseases in elderly persons with diabetes. I. L. Kanterman. *Trudy Inst. im. N. V. Sklif.* 9:99-102 '63.

Surgical treatment of elderly persons with acute diseases of abdominal organs. A. A. Bocharov. *Trudy Inst. im. N. V. Sklif.* 9:25-29 '63.

Thromboembolism of the pulmonary artery in elderly persons. N. I. Bgantsev. *Trudy Inst. im. N. V. Sklif.* 9:141-145 '63.

Traumatic shock in elderly persons. G. A. Pokrovskii. *Trudy Inst. im. N. V. Sklif.* 9:132-136 '63.

Treatment of acute biliary peritonitis in aged persons. T. A. Mal'gina. *Trudy Inst. im. N. V. Sklif.* 9:78-81 '63.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

## GERMAN LANGUAGE—DICTIONARIES—RUSSIAN

Togunov, B. M., and V. M. Stefanovskii, comps. [German-Russian dictionary of refrigeration engineering] Nemetskoe-russkii slovar' po khodolnoi tekhnike. Moskva, Sovetskaya Entsiklopedia, 1965, 246 p.

## GERMAN LANGUAGE—GRAMMAR

Some remarks on language variants. N. N. Semenuk. *Vop. iaz.* 14 no. 1:48-55 Ja-F '65.

## GERMAN LANGUAGE—STUDY AND TEACHING

This is useful. A. Gusev. *Nar. obr.* no. 6:51 Je '65.

## GERMAN PHILOSOPHY see Philosophy, German

## GERMAN POETRY—TRANSLATIONS INTO RUSSIAN

Attempt at a comparative study in style. M. N. Morozova. *Vest. Mosk. un. Ser. 7: Filol., zhur.* 20 no. 1:85-83 Ja-F '65.

## GERMANIC LANGUAGES—GRAMMAR, COMPARATIVE

Analysis of lexical relics and innovations in establishing isoglosses. M. M. Makovskii. *Vop. iaz.* 14 no. 1:33-35 Ja-F '65.

## GERMANIC LANGUAGES—PHONETICS

General trends of phonetic development in Germanic languages. V. M. Zhirmunskii. *Vop. iaz.* 14 no. 1:3-21 Ja-F '65.

## GERMANIUM

Extraction of germanium from hydrochloric acid solutions by means of organic solvents. R. I. Mahunov and others. *Khim. prom. [Ukr.]* no. 2:28-30 Ap-Je '65.

Forms of germanium compounds with organic matter of coal. S. M. Manskala, T. V. Drozdova, R. P. Kravitsova. *Geokhimiia* no. 2:188-197 F '65.

Germanium in the main types of sedimentary rocks. A. Z. Shirokov, S. M. Sederko. *Lit. i pol. iskop.* no. 2:167-172 Mr-Ap '65.

Impurities in germanium and silicon. M. S. Saidov, I. Sultanov, M. R. Akhmedzhanov. *Izv. AN Uz. SSR. fiz.-mat. nauk* 9 no. 2:72-74 '65.

Lithium-nickel interaction in germanium. V. V. Ostrobodova, S. V. Ivanova. *Fiz. i ver. tela* 7 no. 6:1880-1892 Je '65.

## GERMANIUM—PHOTOELECTRIC PROPERTIES

Effect of an electric field on the long-wave edge of the extrinsic photoconductivity of germanium doped with zinc and mercury. V. I. Sidorov, A. I. Shul'man, T. E. Sushko. *Fiz. i ver. tela* 7 no. 6:1877-1878 Je '65.

## GERMANIUM-BORON-SILICON ALLOYS see Boron-germanium-silicon alloys

## GERMANIUM CATALYSTS

Catalytic decomposition of hydrazine over germanium. V. M. Frolov. *Kin. i kat.* 6 no. 1:149-154 Ja-F '65.

## GERMANIUM COMPOUNDS

Adsorption of germanium compounds from solutions by activated carbon. D. I. A. Evdokimov, A. P. Kostluk. *Zhur. prikl. khim.* 38 no. 4:751-756 Ap '65.

## GERMANIUM COMPOUNDS—THERMAL PROPERTIES

Lanthanum germanides. M. D. Litulala, A. B. Goncharuk. *Izv. AN SSSR. Neorg. mat.* 1 no. 3:326-328 Mr '65.



# GERMANIUM CRYSTALS

Crystal line dependence of the cross section of hole transport by impurity centers in germanium. A. D. Belyi, *Phys. Met. Metallogr.* 1965, 19:1-19:10, 1965.

GERMANIUM ELECTRODES see Electrodes, Germanium

# GERMANIUM ORGANIC COMPOUNDS

Structure and properties of organic compounds. Part II. Properties of 1,3-ene germanium hydrocarbons. A. A. Kabanov, *Chem. Abstr.* 1965, 61:103-104, 1965.

Properties of 1,3-ene germanium compounds. A. A. Kabanov, *Chem. Abstr.* 1965, 61:103-104, 1965.

Properties of 1,3-ene germanium compounds based on tetra- and pentavalent germanium. V. F. Turova, A. L. Kravchenko, *Izv. Akad. Nauk SSSR Khim.* 1965, 1965, 1965.

# GERMANIUM-TELLURIUM ALLOYS

The structure of germanium-tellurium in the region of a eutectic. L. E. Shchegolev, A. Kh. Abduragov, V. V. Zharov, *Chem. Abstr.* 1965, 61:103-104, 1965.

# GERMANIUM ZINC ARSENIDE—ELECTRIC PROPERTIES

Properties of germanium-zinc-arsenide compounds. V. F. Turova, A. L. Kravchenko, *Izv. Akad. Nauk SSSR Khim.* 1965, 1965, 1965.

# GERMANY—AGRICULTURAL POLICY

Changes of German agricultural policy on the occupied territory of the U.S.S.R., 1941-1944. M. I. Sinityna, V. I. Romin, *Voprosy* 1965, 40:1-40:10, 1965.

# GERMANY—AGRICULTURE—ECONOMIC ASPECTS

Changes of the agricultural history of Germany from the 14th to the 19th century in the interpretation of the bourgeois historians of the German Federal Republic. V. I. Maiter, *Sred. Vostok* 1965, 2:1-2:10, 1965.

# GERMANY—FOREIGN RELATIONS—RUSSIA

East German historiography and Soviet-German relations in the "year of recognition". M. I. Kopychev, *Voprosy* 1965, 40:1-40:10, 1965.

# GERMANY—HISTORY, MILITARY

Rise and fall of the German General Staff. V. G. Iversen, *Voen.-ist. zhurn.* 1965, 7:1-7:10, 1965.

# GERMANY—RELATIONS (MILITARY) WITH RUSSIA

Changes in the German military relations with Russia. V. I. Maiter, *Sred. Vostok* 1965, 2:1-2:10, 1965.

# GERMANY—WORLD WAR, 1939-1945

Once again about the last days of the Third Reich. Nov. vrem. 1965, 23:1-23:10, 1965.

# GERMANY—WORLD WAR, 1939-1945—CAMPAIGNS

The final attacks on the enemy. V. Pozniak, *Voen.-ist. zhurn.* 1965, 7:1-7:10, 1965.

# GERMANY—WORLD WAR, 1939-1945—CAMPAIGNS

Party and political work in the Berlin operation. M. K. Kashnikov, *Voen.-ist. zhurn.* 1965, 7:1-7:10, 1965.

# GERMANY—WORLD WAR, 1939-1945—CAMPAIGNS

To the north of Berlin. K. Rokossovskii, *Voen.-ist. zhurn.* 1965, 7:1-7:10, 1965.

# GERMANY—WORLD WAR, 1939-1945—SOURCES

Attestation for a crime. Voen.-ist. zhurn. 1965, 7:1-7:10, 1965.

# GERMANY, EAST—BUILDING—STUDY AND TEACHING

Training engineers in building materials in construction schools of the German Democratic Republic. V. A. Kuznetsov, *Izv. vuz. ucheb. zav. stroit. iarkhit.* 1965, 2:1-2:10, 1965.

# GERMANY, EAST—CARROTS—HARVESTING

Attachment to the E-675 combine for carrot harvesting. V. M. Chaus, *Trakt. i sel'khozmas.* 1965, 45:1-45:10, 1965.

# GERMANY, EAST—COMMUNIST PARTY

In the rural party organizations of the Socialist United Party of Germany. Z. Demysheva, A. Syvarenko, *Part. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, EAST—COOPERATIVE SOCIETIES

We improve consumer services. Hilmir Weiss, *Sov. polit. khoz.* 1965, 9:1-9:10, 1965.

# GERMANY, EAST—DESCRIPTION AND TRAVEL

Where the border goes through. F. TSarev, *Sov. voen.* 1965, 47:1-47:10, 1965.

# GERMANY, EAST—ECONOMIC POLICY

Planning and leadership of the economy in the German Democratic Republic. Klaus Krönke, *Kommunist* 1965, 13:1-13:10, 1965.

# GERMANY, EAST—EDUCATIONAL LAW AND LEGISLATION

Law on the unified socialist system of education in the German Democratic Republic. F. Kaufman, *Nar. obr.* 1965, 7:1-7:10, 1965.

# GERMANY, EAST—HISTORIOGRAPHY

East German historiography and Soviet-German relations in the "year of recognition". M. I. Kopychev, *Voprosy* 1965, 40:1-40:10, 1965.

# GERMANY, EAST—INDUSTRIAL ORGANIZATION

Planning and leadership of the economy in the German Democratic Republic. Klaus Krönke, *Kommunist* 1965, 13:1-13:10, 1965.

# GERMANY, EAST—JUSTICE, ADMINISTRATION OF

Seizure in the U.S.S.R. of the delegation of the Supreme Court of the German Democratic Republic. Sots. zakon. 1965, 12:1-12:10, 1965.

# GERMANY, EAST—KINDERGARTEN

Developing the abilities to study. K. Korotkaya, *Doukh. vosp.* 1965, 38:1-38:10, 1965.

# GERMANY, EAST—MACHINERY—WELDING

Using modern welding methods at the K. Likhnskiy Plant. G. Berger, *Avtom. svar.* 1965, 10:1-10:10, 1965.

# GERMANY, EAST—PHYSICAL EDUCATION AND TRAINING

With our friends. P. A. Arslanov, E. I. Sizyl, *Teor. i prakt. fiz. kul't.* 1965, 28:1-28:10, 1965.

# GERMANY, EAST—PHYSICAL EDUCATION FACILITIES

Some problems of planning the equipment for physical education and sports. G. Shkurupel', *Teor. i prakt. fiz. kul't.* 1965, 28:1-28:10, 1965.

# GERMANY, EAST—PUBLIC PROSECUTORS

The Procurator of the German Democratic Republic. B. A. Filimonov, *Vest. Mosk. un.* 1965, 10:1-10:10, 1965.

# GERMANY, EAST—RELATIONS (GENERAL) WITH RUSSIA

On guard of peace. G. Amm, *Komm. Vooruzh. Sil.* 1965, 45:1-45:10, 1965.

Seizure in the U.S.S.R. of the delegation of the Supreme Court of the German Democratic Republic. Sots. zakon. 1965, 12:1-12:10, 1965.

# GERMANY, EAST—SPORTING GOODS

Some problems of planning the equipment for physical education and sports. G. Shkurupel', *Teor. i prakt. fiz. kul't.* 1965, 28:1-28:10, 1965.

# GERMANY, EAST—TEXTILE FIBERS, SYNTHETIC

Search and solutions, important research of the German Democratic Republic. A. Grebe and others, *Tekstil. ma.* 1965, 54:1-54:10, 1965.

# GERMANY, EAST—WAR CRIMINALS

Another job done. L. Bezysmenski, *Nov. vrem.* 1965, 23:1-23:10, 1965.

# GERMANY, WEST—AGRICULTURE—ECONOMIC ASPECTS

Structural changes in the agriculture of the Federal Republic of Germany. E. Jordanek, *Mr. ekon.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—AGRICULTURE, COOPERATIVE

Methods and forms of uniting West German peasants in productive associations. Gerhard Müller, *Kommunist* 1965, 13:1-13:10, 1965.

# GERMANY, WEST—ARMED FORCES

Bonn Social Democrats and the "Bundeswehr". V. Vasil. *Nov. vrem.* 1965, 23:1-23:10, 1965.

# GERMANY, WEST—ATOMIC SHIPS

Freighter with an atomic power plant built in the Federal Republic of Germany. N. I. Belavin, *Sudostroenie* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—ATOMIC WEAPONS

"Motives to satisfy". Bonn, IU. Lopatin, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—EDUCATION

To please the militarists. T. Auerbach, *Nar. obr.* 1965, 7:1-7:10, 1965.

# GERMANY, WEST—ELECTION LAW

Electoral system of the Federal German Republic. N. Smirnova, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—ARAB COUNTRIES

Different methods, but the same neocolonial substance. S. Filashinski, *Vnesh. torg.* 1965, 45:1-45:10, 1965.

# GERMANY, WEST—FOREIGN POLICY

The Angelen-Guttenberg debate (the Federal Republic of Germany): Is a new policy necessary in the German Problem? M. I. Kopychev, *Mezhdunar. otn.* 1965, 14:1-14:10, 1965.

# GERMANY, WEST—FOREIGN RELATIONS

Face of contemporary imperialism. I. Fedotov, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—FOREIGN RELATIONS—DIplomacy

Current events. Nov. vrem. 1965, 23:1-23:10, 1965.

# GERMANY, WEST—FOREIGN RELATIONS—FRANCE

What remains of the Paris-Honn Treaty? N. I. Kopychev, *Nov. vrem.* 1965, 23:1-23:10, 1965.

# GERMANY, WEST—FOREIGN RELATIONS—GREAT BRITAIN

To the benefit of the revolutionists. R. Aizman, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—FOREIGN RELATIONS—UNITED STATES

"Motives to satisfy". Bonn, IU. Lopatin, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

The Pentagon-Honn Axis. D. I. Melnikov, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

Under Mr. Brandt's black mantle. K. Korotkaya, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—HISTORIOGRAPHY

Problems of the agrarian history of Germany from the 14th to the 19th century in the interpretation of the bourgeois historians of the German Federal Republic. V. I. Maiter, *Sred. Vostok* 1965, 2:1-2:10, 1965.

# GERMANY, WEST—LIMITATION OF ACTIONS

Historical events must not escape their period. V. I. Maiter, *Sred. Vostok* 1965, 2:1-2:10, 1965.

# GERMANY, WEST—MONEY

Currency circulation in the Federal Republic of Germany under the sign of militarization. I. Makalova, *Fin. kred.* 1965, 23:1-23:10, 1965.

# GERMANY, WEST—POLITICS AND GOVERNMENT

Bonn Social Democrats and the "Bundeswehr". V. Vasil. *Nov. vrem.* 1965, 23:1-23:10, 1965.

Legacy of the Reich and the future of Europe. K. Korotkaya, *Mezhdunar. zhurn.* 1965, 12:1-12:10, 1965.

# GERMANY, WEST—POTATOES—DISEASES AND PESTS

Control of the potato nematode in the German Federal Republic. V. I. Maiter, A. Kuchumov, *Zashch. i vosp. vied. kul't.* 1965, 10:1-10:10, 1965.

# GERMANY, WEST—WAR CRIMINALS

Another job done. L. Bezysmenski, *Nov. vrem.* 1965, 23:1-23:10, 1965.

# GERMANY, WEST—WAR CRIMINALS

Determining the intensity of the growth of seed sprouts by the weight method. V. I. Maiter, *Vest. Mosk. un.* 1965, 10:1-10:10, 1965.

Effect of gibberellin acid on respiration and oxidative phosphorylation in belladonna seeds. L. N. Borekova, *skala. Fiziol. rast.* 1965, 12:1-12:10, 1965.

Circulation force of Acanthophyllum gypsophiloides in the under laboratory conditions. S. B. Benyukov, *Izv. VTI Karak. SSR. Ser. Biol. nauk* 1965, 1:1-1:10, 1965.

Seeds of bilberry grown in the Finno-Ustian tundra and their germinating capacity. G. F. Protodanov, *Izv. Bot. suda AN Kir. SSR* 1965, 1:1-1:10, 1965.

# GEYMANOVSKAYA (KRASNODAR TERRITORY)—COOPERATIVE SOCIETIES

New life in Geymanovskaya stanitsa. V. Golovashchenko, *Sov. polit. khoz.* 1965, 9:1-9:10, 1965.

# GHANA—DESCRIPTION AND TRAVEL

Ghana is near and far. D. Chernikov, *Otkrytiya* 1965, 4:1-4:10, 1965.

# GHANA—LABOR AND LABORING CLASSES—EDUCATION

Ghana is training workers. A. Vladin, *Nov. vrem.* 1965, 23:1-23:10, 1965.

# GHANA—LABOR AND LABORING CLASSES—EDUCATION

Epidemiological characteristics of the distribution of lamblia in preschool children's institutions. V. F. Krut'kov, L. E. Matia, *Med. paraz. i paraz. bol.* 1965, 6:1-6:10, 1965.

# GIBBERELLIC ACID

Effect of gibberellin acid on respiration and oxidative phosphorylation in belladonna seeds. L. N. Borekova, *skala. Fiziol. rast.* 1965, 12:1-12:10, 1965.

# GIBBERELLIN

Effect of gibberellin on seedless grape varieties and their products. K. V. Smirnov, E. P. Perapaltayna, *Fiziol. rast.* 1965, 12:1-12:10, 1965.

## GILLS

Functional state of the chondriome of the Chloride-secreting cells of the gills in sturgeons in the early stages of ontogeny. L. S. Kisilushkina (Chusovitsina), Arkh. anat., gist. i embi., 18 no. 4:45-48 Ap '65

## GINSENG

(see also subdivision under Alma-Ata region; Trans-Ili Alatau)  
Development and productivity of cultivated ginseng under various geological conditions. Z. I. Gulnikova, P. P. Vorob'eva, St. Ilieva, Soob. DVFAN SSSR no. 21:29-32 '63.

## GIRDERS see Beams and girders

## GIRLS

Zalats, L. D., and A. N. Shibaeva. [A daughter grows up in the family] V sem'g rastet doch'. Moskva, Meditsina, 1964. 44 p. (Nauchno-populjarnaja meditsinskaja literatura)

## GLACIAL EPOCH see subdivision under Alaska

## GLACIERS

Dependence of the total ablation of the surface of glaciers on the air temperature. V. G. Khodakov. Meteor. i gidrol., no. 7:48-60 Ji '65.

## GLANDS, DUCTLESS see Endocrine glands

## GLASS

Calculating the specific heat capacity of industrial glass. O. O. Litakh. Khim. prom. [Ukr.] no. 2:30-31 Ap-Je '65.

Kinetics and mechanism of formation of thin films of iron hydroxide on a glass surface in ferric chloride solutions. N. K. Bulatov, S. G. Mokrushin. Koll. zhur., 27 no. 2:158-161 Mr-Apr '65.

Nonoxidizing heating of steels and alloys in glass. I. I. Gushchina. Kuz. shita. proizv., 7 no. 4:39-42 Ap '65.

## GLASS—ELECTRIC PROPERTIES

Electric conductance of glasses in the system  $K_2O - SiO_2$  over a wide range of temperatures. K. A. Kostanin, B. A. Erankian. Izv. AN Arm. SSR, Khim. nauki 17 no. 6:613-622 '64.

Leningrad, Universitet. [Chemistry of solids] Khimii tverdogo tela. [Leningrad] 1965. 229 p.

## GLASS—SPECTRA

Infrared absorption spectra of low-alkali and alkali-free aluminosilicate glasses. V. A. Kolesova. Izv. AN SSSR. Neorg. mat. 1 no. 3:442-445 Mr '65.

## GLASS—TESTING

Determining the temperature, the dynamics and the rate of melting of readily fusible glasses, enamels and glazes. I. I. Bulavin. Stek. i ker., 22 no. 6:38-40 Je '65.

Reduction of the strength of glass under the action of microscope defects produced at its surface. E. D. Shchukin, L. A. Kochanova, Z. M. Zanozina. Fiz.-khim. mekh. mat. 1 no. 2:127-133 '65.

## GLASS, COLORED

Spectrophotometric study of the state of cobalt and chromium ions in sodium phosphate glasses. K. F. Dzharin-ski. Izv. AN SSSR. Neorg. mat. 1 no. 3:434-441 Mr '65.

## GLASS, EFFECT OF RADIATION ON

Determining the type of radiation traps in glasses. D. M. Iudin. Fiz. tver. tela 7 no. 6:1733-1738 Je '65.

## GLASS BLOWING AND WORKING—EQUIPMENT AND SUPPLIES

The PD-2 disk transfer device. A. A. TSukanov, I. U. A. Solov'ev. Stek. i ker., 22 no. 6:31-32 Je '65.

## GLASS CONTAINERS—CLEANING

Drum type washing machine. Z. M. Markarian, P. A. Lisovskii. Kona. i ov. prom. 20 no. 6:8-9 Je '65.

## GLASS CUTTING

Drilling of holes in glass. L. A. Vdovin, A. S. Lubegin. Energetik 13 no. 2:6 F '65.

## GLASS ELECTRODES see Electrodes, Glass

## GLASS FIBERS

Efficient diameter of an elementary glass fiber as reinforcement material for the production of glass-reinforced plastics. M. G. Cherniak, B. S. L'vov. Stek. i ker., 22 no. 6:26-28 Je '65.

## GLASS FIBERS—TESTING

Certain factors determining the strength of double glass fibers. V. I. Babanin, K. I. Blokh. Izv. AN SSSR. Neorg. mat. 1 no. 3:422-426 Mr '65.

Molecular-kinetic parameters determining the strength and the causes of variation in strength of glass fibers. K. I. Blokh. Izv. AN SSSR. Neorg. mat. 1 no. 3:427-433 Mr '65.

## GLASS FURNACES—DESIGN AND CONSTRUCTION

Service life of Bakor 33 and Korkhart Tsak refractories in glass furnaces. N. M. Gaidina and others. Ognepuopy 30 no. 4:20-24 '65.

## GLASS MANUFACTURE see subdivision under Soviet Central Asia

## GLASS MANUFACTURE—CHEMISTRY

Black glass for the production of facing tiles on automatic presses. M. A. TSaitayev, M. K. Dolgov. Stek. i ker., 22 no. 6:29-31 Je '65.

Density and electric conductance of sodium-calcium-magnesium aluminosilicate glasses in a fused state. K. A. Kostanin, K. S. Saakian, O. K. Geokchian. Izv. AN Arm. SSR. Khim. nauki 17 no. 4:357-367 '64.

Effect of additions of fluorine and the replacement of sodium oxide by potassium oxide on the crystallizing properties of sheet glass. F. G. Solinov and others. Stek. i ker., 22 no. 6:22-25 Je '65.

Soluble glass production practices. E. K. Averin, Sbor. trud. BITM no. 22:37-40 '64.

## GLASS MANUFACTURE—COSTS

Analyzing the factors of overhead cost reduction and the reduction of the cost of glass. G. N. Ermolenko. Stek. i ker., 22 no. 6:35-37 Je '65.

## GLASS PAINTING AND STAINING

Transparent silicate luster colors and metallic oxide coatings for decorating glassware. N. A. Iudin, A. M. Tshnikov, N. A. Belova. Stek. i ker., 22 no. 6:19-21 Je '65.

## GLASS REINFORCED PLASTICS

Application of the theory of multilayer media in the study of oriented glass reinforced plastics. I. U. M. Tarnopol'ski, A. V. Roze, V. A. Poljakov. Izv. AN SSSR, Mekh., no. 2:131-134 Mr-Apr '65.

Basic trend in the manufacture of glass plastics and articles made from them. B. A. Kiselev. Zhur. VKHO 10 no. 2:179-187 '65.

Cabin made of glass-reinforced plastics for the T-74 tractor. V. I. Oleschenko, V. F. Zhelobriukh, L. O. Markon. Mashinostroenie no. 2:87-88 Mr-Apr '65.

Deformation of nonlinear elastic reinforced plastics. L. A. Bulychev. Vest. Mosk. un. Ser. I. Mat., mekh., 20 no. 2:88-95 Mr-Apr '65.

Efficient diameter of an elementary glass fiber as reinforcement material for the production of glass-reinforced plastics. M. G. Cherniak, B. S. L'vov. Stek. i ker., 22 no. 6:26-28 Je '65.

Large machinery parts made from glass plastics. O. A. Fridman and others. Khim. prom. [Ukr.] no. 2: 60-62 Ap-Je '65.

Temperature relationship of the electric strength of unsaturated polyester resins and glass reinforced plastics based on them. I. D. Konovtsevi, L. G. Neacienala. Plast. massy no. 5:10-12 '65.

Translucent one-piece panels from glass reinforced plastics. V. I. Alperin. Stroim. mat. 11 no. 1:9-10 Ja '65.

Use of glass plastics in serial construction of small fishing motor boats. N. A. Panfilov, N. A. Pakhar'. Ryb. khoz. 41 no. 5:37-39 '65.

Using high frequency heating in cementing glass reinforced plastics. L. M. Kovalchuk, E. N. Baskakin. Plast. massy no. 3:25-28 '65.

## GLASS REINFORCED PLASTICS—TESTING

Effect of acid concentration on the strength of glass reinforced plastics. I. G. Romanov, G. S. Abashidze. Plast. massy no. 3:30-41 '65.

Equations of the relationship between stresses and deformations in glass reinforced plastic. G. A. Wang. Fo. P'u. Prikl. mekh. 1 no. 2:110-115 '65.

Smirnov, V. I., and V. V. Meshcheriakov. [Testing and inspecting glass-reinforced plastics used in shipbuilding] Ispytanie i kontrol' sudostroitel'nykh stekloplastikov. Leningrad, Sudostroenie, 1965. 186 p. (Khimiya sudostroeni)

## GLAUCONITE

Glaucinite, a valuable fertilizer. I. F. Lobanov. Priroda 54 no. 6:89 Je '65.

Study of glauconites. A. U. Litvinenko. Lit. i pol. iakop. no. 2:38-50 Mr-Apr '65.

## GLAZES

Glaze with a "crackle" finish on a perlitic base. I. G. Khizantsev, G. G. Gaperindashvili, A. I. Shushanishvili. Stek. i ker., 22 no. 6:13-14 Je '65.

More about multicolored glazes. I. U. G. Shieinberg. Stek. i ker., 22 no. 6:37-38 Ja '65.

Transparent glazes on a base of "erevanite." M. G. Manvelian, R. V. Manukian, N. S. Davidianis. Stek. i ker., 22 no. 6:14-15 Je '65.

Trends in the further development of the production of glazes for ceramic products. Stek. i ker., 22 no. 6: 1-2 Je '65.

## GLAZING—EQUIPMENT AND SUPPLIES

Two-sectional semiautomatic machine for the glazing of plates. A. G. Sobko. Stek. i ker., 22 no. 6:33 Je '65.

## GLIDING AND SOARING

(see also subdivision under Great Britain)  
The start in soaring flight. L. Pehlanov. Kyt. i od. 16 no. 5:20-21 My '65.

## GLOBULIN

Comparison of spectropolarimetric characteristics of denaturation of the bovine serum gamma-globulin with other manifestations of denaturation. G. V. Troitskii, V. I. Okulov. Biokhimiya 20 no. 1:615-623 Ji-Ag '64.

Detection of similar antigenic determinants in embryonic  $\alpha$ -globulins in man and some animals. I. U. S. Tatarinov, A. V. Afanas'eva. Biol. eksp. biol. i med., 59 no. 6:65-69 Je '65.

Study of globulins in the seeds of various bean species by paper electrophoresis. V. V. Solonova. Biokhimiya 20 no. 4:590-595 Ji-Ag '64.

Use of the zone precipitation method for the separation of leguminous seed globulins. A. D. Shutoy, I. A. Vointrub. Uki. biokhim. zhur. 37 no. 2:177-181 '65.

## GLUCOKINASE

Hexokinase and glucokinase in cell fractions of the liver and muscles of sucklings during hibernation and awakening. G. M. Daudova, N. G. Stepanova. Zhur. evol. biokhim. i fiziol. 1 no. 1:32-37 Ja-I '65.

## GLUCOSE

Acid hydrolysis of diluted starch suspensions in the production of crystalline glucose. T. A. Iudov. Sakh. prom., 39 no. 5:59-64 My '65.

Effect of crystal content on the viscosity of glucose massacutic. L. S. Khvorova, N. N. Tregubov. Sakh. prom., 39 no. 1:56-60 Ap '65.

## GLUCOSE—THERAPEUTIC USE

Use of glucose in the retention of the placenta in cows. V. G. Marynov. Veterinaria 41 no. 1:87-90 Ap '65.

## GLUCOSE INDUSTRY

Raising the technical level of the glucose industry of the R. S. F. S. R. Biol. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., 10 no. 4:65-67 Ap '65.

## GLUCOSE OXIDASE

Some properties of crystalline and purified noncrystalline glucose oxidase preparations from *Penicillium vitale* Pldopt et Hlal. R. H. Dehtior, M. F. Hulyi, E. B. Maizel'. Uki. biokhim. zhur. 37 no. 2:160-178 '65.

## GLUING

Gluing honeycomb constructions with preliminary drying of the layer of glue. A. M. Chistakov. Der. prom., 11 no. 5:8-9 My '65.

## GLUTAMIC ACID

Intensity of the exchangeability of amide groups of glutamyls and proteins in the brain following the injection of  $N^{15}$ -glutamic acid. O. P. Potovtseva. Ukr. biokhim. zhur. 38 no. 5:685-696 '64.

Intracellular localization of gamma-aminobutyric acid and glutamic acids. N. P. Shatunova. Biokhimiya 20 no. 4:647-652 Ji-Ag '64.

## GLUTAMIC-OXALACETIC TRANSAMINASE

Dissociation of aspartic-glutamic transaminase in subunits. O. L. Poljanovskii, V. I. Ivanov. Biokhimiya 20 no. 4:728-734 Ji-Ag '64.

Effect of substrate analogs and carbonyl reagents on the anomalous optical rotatory dispersion in aspartic-glutamic transaminase of the heart. I. U. M. Tschukinskii, L. G. Korenova. Biokhimiya 20 no. 4:760-760 Ji-Ag '64.

Functions of thiol groups of aspartic-glutamic transaminase. O. L. Poljanovskii, M. Tolegdi. Biokhimiya 30 no. 1:174-182 Ja-F '65.

## GLUTAMINE

Glutamine synthetase in the liver of chick embryo during transition to the ureotelic type of nitrogen metabolism. K. A. Drel'. Biokhimiya 20 no. 4:688-689 Ji-Ag '64.

## GLUTAMINE IN THE BODY

Formation of amide groups of glutamine and proteins in the homogenates and subcellular fractions of the brain. G. Kh. Buniatian, A. V. Arutunian. Dokl. AN Arm. SSR 40 no. 1:209-215 '65.

Intensity of the exchangeability of amide groups of glutamine and proteins in the brain following the injection of  $N^{15}$ -glutamic acid. O. P. Potovtseva. Ukr. biokhim. zhur. 38 no. 5:685-696 '64.

## GLUTARIMIDE

Use of act-dione in the cultivation of dormatophytes. M. Kakhlich, S. Tkachik. Veterinaria 42 no. 6: 105 Je '65.

## GLUTATHIONE

Effect of gamma rays on the content of various ascorbic acid forms and reduced glutathione in cotton. N. N. Nazirov. Uzb. biol. zhur., 9 no. 1:5-10 '65.

Glutathione and autotomocapolyaccharide metabolism in sarcoma-45 and in the organs of rats. A. I. Gazlov. Vop. onk., 11 no. 3:68-73 '65.

- GLYCERALDEHYDE PHOSPHATE DEHYDROGENASE**  
Effect of histidine and other chelating agents on the activity of 1-phosphoglycerate dehydrogenase from the muscles of a rabbit. N.K. Nagradova, *Biochimika* 30 no.1 50-57 Ja-F '65.
- GLYCEROL**  
Organizing the production of synthetic glycerol. *Biol. i tekhn. inform.* Gos. nauch. issl. inst. nauch. i tekhn. inform., 18 no. 5 54 My '65.  
Synthesis of glycerol derivatives of oligomers with functional groups at the ends of molecules. K.A. Andriyev, N.I. Tsomala, L.M. Khanashvili. *Izv. AN SSSR Ser. Khim.* no. 6 1022-1025 '65.
- GLYCINE**  
Complex compound of divalent platinum with glycylglycine. I.M. Volarev, G.G. Motilagina, Zhur. neorg. khim. 10 no. 6 1323-1331 Ja '65.  
Form of glycine in the liver of the chick embryo. K.O. Drel', *Ukr. biochim. zhur.* 36 no. 5:751-755 '64.
- GLYCINE CRYSTALS**  
Effect of ultrasound on the processes of polarization and polarization reversal in triglycine sulfate crystals and in BiTiO<sub>3</sub> ceramics. V.M. Rudjak, A.I. Baranov. *Izv. AN SSSR Ser. fiz.* 29 no. 6 951-955 Je '65.  
Electro-optical properties of triglycine sulfate. Part 1. I.S. Semina, V.E. Perfilova, A.S. Vasil'yevskaya. *Izv. AN SSSR Ser. fiz.* 29 no. 6 968-972 Je '65.
- GLYCINE CRYSTALS—ACOUSTIC PROPERTIES**  
Absorption of ultrasound near the Curie point in triglycine sulfate crystals. K.P. Minaeva, A.P. Levaniuk. *Izv. AN SSSR Ser. fiz.* 29 no. 6:976-981 Je '65.
- GLYCINE CRYSTALS—MAGNETIC PROPERTIES**  
The Barkhausen effect in triglycine sulfate crystals. V.M. Rudjak, V.E. Kamaev. *Izv. AN SSSR Ser. fiz.* 29 no. 6 937-942 Je '65.  
Characteristics of the Barkhausen effect in Rochelle salt and triglycine sulfate crystals. V.M. Rudjak, L.A. Stalov, V.E. Kamaev. *Izv. AN SSSR Ser. fiz.* 29 no. 6 943-947 Je '65.
- GLYCINE CRYSTALS—THERMAL PROPERTIES**  
Effect of an electric field on the heat capacity of single crystal triglycine sulfate. B.A. Strukov and others. *Izv. AN SSSR Ser. fiz.* 29 no. 6:983-984 Je '65.
- GLYCOLIC ACID**  
Substituted hydrazides of hydroxycarboxylic acids. Part 22. Halochromism of arylhydrazides of diarylglycolic acids. I.S. Berdinskii, M.A. Kostareva, Zhur. ob. khim. 35 no. 5:876-879 My '65.
- GLYCOLS**  
Reaction of amines with diacetylenic glycols. S.A. Vartanian, L.V. Ognova, Sh.O. Badjanian. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 6:709-712 '64.
- GLYCOLYSES**  
Effect of a glycolysis rate increase in yeast cells by ultraviolet light of mitogenic intensity. S.V. Konev, T.I. Lyskova. *Dokl. AN SSSR* 9 no. 3 190-193 Mr '65.  
Effect of the radiation interaction of cells on intracellular glycolytic processes. E.T. Kulik. *Trudy MOIP, Old Biol.* 21:166-197 '63.  
Participation of carnosine and anserine in the glycolytic and oxidative processes in a muscular tissue. N.P. Meshkova, O.E. Kariyavkina. *Biokhimiya* 30 no. 1:88-94 Ja-F '65.  
Possible role of histones in controlling glycolysis in the thymus nuclei. V.L. Nemchinskaya, L.Sh. Ganselina, A.D. Braun. *Biokhimiya* 30 no. 1:33-38 Ja-F '65.
- GLYCOSIDES**  
Brain polyglycosides. B.I. Khaikina, V.IE. Iakushko. *Ukr. biochim. zhur.* 35 no. 5:665-672 '64.  
Glycosides from *Apocynum androsaemifolium* L. Part 2. Structure of apocynoside. R.Sh. Iamatova, N.K. Akhshirov. *Khim. prirod. soed.* no. 115-22 '65.  
Glycosides from *Eleutherococcus senticosus* Max. Part 1. Isolation and some properties of eleutherosides B and E. IU.S. Oskodov and others. *Khim. prirod. soed.* no. 1 3-7 '65.  
1-Glycoylindoles. Part 3: Action of nucleophilic agents on  $\alpha$ -2,3,4,6-tetra-O-benzylglucopyranosyl bromide. M.N. Proobrazhenskaya, N.N. Suvorov. *Zhur. ob. khim.* 35 no. 5 888-893 My '65.  
Glycoylindoles. Part 4: 1-(D)- $\beta$ -tetra-O-benzylglucopyranosyl bromide. M.N. Proobrazhenskaya, N.N. Suvorov. 93-886 My '65.  
Stankhus nanus M. Pop, va. *Khim. prirod. soed.*
- GLYOXYLIC ACID**  
Effect of malic and glyoxylic acids on the incorporation of acetate-1-C<sup>14</sup> in the lipids of the rabbit liver. V.A. Kobzun. *Ukr. biochim. zhur.* 36 no. 5:767-772 '64.  
Mechanism of the polarographic kinetic currents of glyoxylic acid. I.A. Tar'fan. *Elektr. khimika* 1 no. 4 491-494 Ap '65.
- GMYRIA, BORIS ROMANOVICH, 1903-**  
"Winter journey." A. Tumanov. *Sov. muz.* 20 no. 6: 72-73 My '65.
- GNEISS** see subdivision under Tokmak Valley
- GOBI—CAMELS—DISEASES AND PESTS**  
Etiology of infectious cough in camels. S. Oinakhbaev. *Veterinariya* 42 no. 6:105-106 Je '65.
- GORTHITE** see subdivision under Krivoy Rog Basin
- GOTTER**  
(see also subdivision under Arctic regions)  
Case of Recklinghausen's disease associated with a fourth degree mixed gotter complicated by multiple fractures. V.M. Udod, M.F. Nabok, S.IU. Topol'nitskaya. *Probl. endok. i gorm.* 10 no. 5:84-85 S-O '64.  
Differential diagnosis of initial and atypical forms of diffuse toxic gotter. I.I. Markov, V.M. Ushin. *Sov. med.* 28 no. 4-3-8 Ap '65.  
Energy metabolism and tissue composition in thyroid diseases. E.A. Ushin. *Probl. endok. i gorm.* 10 no. 4:45-49 Ji-Ag '64.  
Gitter and radiological methods of its examination during the preoperative period and at a later time after surgery. L.E. Ponomarev. *Vest. khir.* 83 no. 11 28-35 N '64.  
Hashimoto's struma lymphomatosa in a male. N.I. Truten'. *Probl. endok. i gorm.* 10 no. 5:85-86 S-O '64.  
Klachko, V.R. [Current problems in the conservative treatment of toxic gotter]. *Aktual'nye voprosy konservativnogo lecheniya toksicheskogo zoba*, Moskva, Meditsina, 1965, 160 p.  
(DNLM)  
Pre- and postoperative oxidation-reduction processes in nodular endemic gotter. M.M. Kovalev and others. *Probl. endok. i gorm.* 10 no. 5:87-90 S-O '64.  
Repeated operations on the thyroid gland due to a recurring gotter. E.M. Boi ovyl. *Vest. khir.* 83 no. 11:35-37 N '64.
- GOLD** see subdivision under Uzbekistan
- GOLD—ANALYSIS**  
Determination of selenium, tellurium, and gold in gold-containing electrolyte alloys. V.M. Taraslan, Zh. M. Aratmanian. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 6: 623-630 '64.
- GOLD—METALLURGY**  
Use of electrostatic separation in the retreatment of gold containing alloys and concentrates. N.M. Karnaukhov. *TSvet. met.* 38 no. 5:15-18 My '65.
- GOLD CHLORIDES**  
Kinetics of the hydrolysis of AuCl<sub>3</sub> in an acid medium. V.P. Kazakov. *Zhur. neorg. khim.* 10 no. 5 1276-1278 My '65.
- GOLD COMPOUNDS**  
Kinetics of the reduction of complex gold (III) chlorides with oxalate in an aqueous solution. V.P. Kazakov and others. *Zhur. neorg. khim.* 10 no. 5:1038-1044 My '65.
- GOLD ELECTRODES** see Electrodes, Gold
- GOLD ISOTOPES**  
Study of the distribution of intravenously administered <sup>199</sup>Au-tagged rose bengal and colloid radioactive gold <sup>199</sup>Au by the method of autoradiography. R.G. Nikitina. *Trudy TSNU* 71:186-188 '64.
- GOLD ISOTOPES—THERAPEUTIC USE**  
Neurological evaluation of the state of patients with brain tumors during the process of treatment with radioactive gold and after it. A.A. Volkov, V.L. Kachayev, IU.P. Krivosheina. *Zhur. nevr. i psikh.* 64 no. 11:1628-1630 '64.  
Use of radioactive colloidal gold (<sup>199</sup>Au) in the treatment of pseudomyxomas of the abdominal cavity. L.S. Sukovalykh, B.V. Biletov. *Sov. med.* 28 no. 4:33-35 Ap '65.
- GOLD ORES** see subdivision under Uzbekistan; Yenisey Range
- GOLD STANDARD** see subdivision under France
- GOLITSYNO (MOSCOW PROVINCE)—CERAMIC PLANTS**  
Example of a plant near Moscow. I.A.V. Volkov, *Stroi. mat.* 11 no. 4:22-24 Ap '65.
- GOLODNAYA STEPPE—SOIL STABILIZATION—EQUIPMENT AND SUPPLIES**  
Mechanical compaction of soils in drainage trenches. E.M. Ostrovskii. *Vop. gidr.* no. 22:22-34 '65.
- GOLODNAYA STEPPE—DRAINAGE**  
Mechanical compaction of soils in drainage trenches. E.M. Ostrovskii. *Vop. gidr.* no. 22:22-34 '65.
- GOL'TSMAN, KARL MATVEYEVICH, 1851-1911**  
Karl Matveyevich Gol'tsman and his time. I.I. Puzos. *Veterinariya* 41 no. 6:110-117 N '65.
- GOMEL' PROVINCE—STATE FARMS MANAGER**  
The suggestion has been shelved. V. Sviridov. *Priroda* no. 12:67 Je '65.
- GONADOTROPIN**  
Doses and indications for the use of pregnant mare's serum in the sterility of cows. I.L. Shumakov, V. Belovitskii. *Veterinariya* 42 no. 6:126-33 Ja '65.  
Gonadotropins, estrogens and pregnancy in the menstrual cycle. O.N. Shvachenko. *Dokl. Akad. Nauk SSSR* 1965, 10 no. 4:7-13 Ji-Ag '64.
- GONIOMETERS**  
Goniometer for measuring the profile angle of a thread. N.V. Seleznev. *Izv. tekhn.* no. 2:14 F '65.
- GONIOMETRY**  
Measurement of angles in radians. A.V. Seleznev. *Izv. tekhn.* no. 2:14 F '65.
- GOOD AND EVIL**  
Taratunskii, P.S. [Does religion teach what is good and evil?]. *Usilii religioznogo*. Minsk, Belarus, 1964, 60 p. (Biblioteka atelata)
- GOOSE BREEDING** see subdivision under White Hens
- GORBATOV, BORIS LEONT'EVICH, 1908-1958**  
In the forefront of time. G. Kolesnikov. *Vop. fiz.* no. 6:102-104 Je '65.
- GORDEICHEV, VLADIMIR GRIGOR'EVICH, 1905-**  
In one's own words. I.I. Iashchuk. *Otkrytiya* 41 no. 217-219 Ap '65.
- GORKIL, MAKSYM, 1908-1930**  
Doganovich, A.E. [Pages from the life of Maksym Gorkil. Materials for the biography of Maksim Gorkil. My reminiscences]. *Strany i lyudi*. Minsk, Gor'kogo, Materialy k biografii Maksima Gorkogo. Moi vospominaniya. [Minsk] Nauka i tekhnika [1964] 228 p.  
[Literary legacy] *Literaturnoe nasledstvo*, Moskva, I.I. Anisimov i dr. Moskva, Izd-vo Akad. nauk SSSR, Vol. 72. [Gorkil and Leonid Andreyev; correspondence] Gorkil i Leonid Andreyev, neizdannaya perepiska, 1905, 630 p.  
Maksimova, V.A. [Gorkil as editor, 1910-1930]. *Gorkil—redaktor (1910-1930)*. Moskva, Nauka, 1965, 276 p.  
Man and his time. I. Novich. *Vop. lit.* 6 no. 3:11-12 Mr '65.  
Not moving forward. A. Starkov. *Vop. lit.* 6 no. 3:11-12 Mr '65.  
"There is no basis to doubt..." N. Gorkil. *Vop. lit.* 6 no. 3:11-12 Mr '65.
- GORKIY—AUTOMOBILE INDUSTRY—ACCOUNTING**  
Accounting for laying out metal. V. Konev. *Dokl. AN SSSR* 22 no. 2:44-46 F '65.
- GORKIY—MEDICINE, INDUSTRIAL**  
In the sanatorium of an automobile plant. V. Maslov. *Otkrytiya* 41 no. 6:10-10 My '65.
- GORKIY—PSYCHOLOGY, INDUSTRIAL**  
Methodology of research on the influence of work processes on personality. M.S. Alvoztan. *Vop. psich.* 19 no. 6:73-82 '65.
- GORKIY PROVINCE—APPLE—FROST RESISTANCE**  
Frost damage to apple trees of various ages in the winter of 1955-1956 in Gorkiy Province. V.N. Zemlanov. *Trudy GSKII* 9:123-130 '65.
- GORKIY PROVINCE—CORN (MAIZE)—DISEASES AND PESTS**  
Diseases of corn in Gorkiy Province. M.G. Alimskaya. *Trudy GSKII* 9:51-55 '65.
- GORKIY PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES**  
Composition of hill-placed fertilizers for corn on gray forest-steppe soils and the development of mycorrhizae. G.I. Volkova, E.P. Khrushcheva. *Trudy GSKII* 9:27-40 '65.
- GORKIY PROVINCE—GRAIN-HANDLING MACHINERY**  
Mechanization of postharvest processing of grain. V.A. Babich, V.M. Godukhin, A.A. Patrashin. *Trudy GSKII* 9:275-283 '65.
- GORKIY PROVINCE—GRASSES—FERTILIZERS AND MANURES**  
Fertilizers for meadows. I.M. Kodanov, A.M. Sorobrennikov. *Zemledelie* 27 no. 6:78-80 My '65.

**GORKIY PROVINCE—PARASITES—POULTRY**

Helminths of the poultry of Gorkiy Province. A. A. Ryzhova, E. N. Shorsteinskaya. Trudy GSKHI 9:252-261 '66.

**GORKIY PROVINCE—PASTURES AND MEADOWS**

Productivity of grass mixtures containing Reogneria and birds-foot trefoil. M. A. Soboleva. Trudy GSKHI 9: 68-81 '66.

**GORKIY PROVINCE—SHEEP BREEDING**

Sheep breeding in Gorkiy Province. A. M. Makhonova. Trudy GSKHI 9:233-246 '68.

**GORKIY PROVINCE—WHEAT—FROST RESISTANCE**

Frost resistance and the productivity of winter wheat. V. V. Goriachev. Trudy GSKHI 9:16-26 '66.

**GORKIY PROVINCE—WORMS, INTESTINAL AND PARASITIC**

Helminths of the poultry of Gorkiy Province. A. A. Ryzhova, E. N. Shorsteinskaya. Trudy GSKHI 9:252-261 '66.

**GORLOVKA (DONETSK PROVINCE)—BOOKSELLERS AND BOOKSELLING**

And a small light was lit in the Donets Basin. IU Ponomarenko, P. Skubko. Knizh. torg. 16 no. 3:12-14 Mr '65.

**GORNYAK (ALTAI TERRITORY)—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION**

Control on rural construction sites. A. Turgatov. Part. zhizn' 10:12-61 Je '65.

**GORNYI TIKH VALLEY—FELDSPAR**

X-ray characteristics of potassium feldspar from granulites in the Gorniy Tikh Valley. O. L. Lytvyn. Geol. zhur. 25 no. 2:66-73 '65.

**GOSYPOL**

Absorption kinetics of fatty acids and gossypol from cottonseed oil miscella on a HDE-10 anion exchanger. N. U. Rizaev, M. Turanov, A. Abdurakhimov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:135-137 '65.

**GOTHIC WRITING see Writing, Gothic****GOVERNORS (MACHINERY)**

Construction of regulators in the Leningrad Metalworking Plant (22d Congress of the CPSU). B. N. Shelopugin. Energomashinostroyeniye 11 no. 3:14-15 Mr '65.

**GRADING AND MARKING (STUDENTS)**

Is every grade important? A. Nusenbaum. Sem'ia i shkola 20 no. 4:20-27 Ap '65.

Our consultations. Sred. spets. obr. 12 no. 3:54 Mr '65.

**GRAFTING**

Application of grafting in the breeding of melons. L. S. Smukin. Trudy GSKHI 9:140-152 '68.

Evaluating intermediate scionfold-forming rootstocks for apples. S. N. Stepanov. Sbor. nauch. rab. NIi sad. no. 10:40-46 '64.

Resistance of hybrid peas. A. Isaeva, N. Pika. Zashch. rast. ot vred. i bol. 10 no. 4:20-30 '65.

**GRAIN**

(see also subdivision under Saratov Province)

Sowing dates and methods for grains. A. F. Lakimenko. Zemel'delie 27 no. 5:59-60 My '65.

**GRAIN—CLEANING**

(see also subdivision under Frunze)

Dynamics of airflow in grain cleaning machines of the "Triumf" type. B. G. Turbin. Zap. Len. sel'khoz. inst. 85:136-142 '61.

Experimental data on determining the velocity of the axial movement of grain in a cylindrical cleaner. F. I. Tamichev. Zap. Len. sel'khoz. inst. 85:183-191 '61.

Use of a spherical probe for determining the velocity field of the cleaning unit of a combine. E. M. Luzanov. Zap. Len. sel'khoz. inst. 85:207-210 '61.

**GRAIN—DISEASES AND PESTS**

(see also subdivision under Kazakhstan; Mari A. S. S. R.)

Survey of grain diseases in 1964. A. Chumakov. Zashch. rast. ot vred. i bol. 10 no. 4:18-49 '65.

**GRAIN—DRYING**

(see also subdivision under Kungur region)

Apparatus for controlling the fuel flame of grain dryers operating on liquid fuel. K. Leonov. Muk. -elev. prom. 31 no. 2:22-23 F '65.

Initial moisture content of a drying agent and the intensity of drying. III N. Pchelkin. Vost. sel'khoz. nauki 8 no. 8:105-107 A '63.

**GRAIN—HARVESTING**

Agrotechnical study of the work of a reel in harvesting lodged grain. A. N. Kudriavtsev. Zap. Len. sel'khoz. inst. 85:240-245 '61.

**GRAIN—MILLING**

On the road to the further increase of production and the improvement of production quality in the grain milling industry. A. Bobrov. Muk. -elev. prom. 31 no. 3:1-3 Mr '65.

**GRAIN—MOISTURE**

Selecting the phase-regulating unit of an electric admittance-type grain moisture meter. E. S. Krivchinskii. Zap. Len. sel'khoz. inst. 85:325-331 '61.

**GRAIN—STORAGE**

Effect of the viability of grain on its hygroscopic characteristics. M. Golik. N. Vorenuk. Muk. -elev. prom. 31 no. 2:17-19 F '65.

**GRAIN—TRANSPORTATION see subdivision under Kazakhstan; Leningrad****GRAIN ELEVATORS see subdivision under Stavropol Territory****GRAIN HANDLING**

(see also subdivision under Kazakhstan)

Initiators of socialist competition. Muk. -elev. prom. 31 no. 2:1-2 F '65.

The need of books on recent developments with the generalization of accumulated practices. A. Grinblat. Muk. -elev. prom. 31 no. 3:32 Mr '65.

**GRAIN-HANDLING MACHINERY**

(see also subdivision under Brest Province, Gorkiy Province)

Determining the average speed of the movement of material on flat sieves and inclined boards. A. I. Tarnan. Zap. Len. sel'khoz. inst. 85:276-286 '61.

Preparation of a technical equipment base as the most important current task of enterprises of the "Roskhlendroduct." P. Gusev. Muk. -elev. prom. 31 no. 2:3-5 F '65.

**GRAIN-MILLING MACHINERY see subdivision under Odessa****GRAIN PRODUCTS see Cereal products****GRAIN TRADE**

Train personnel for the procurement of the grain of new crops without delay. V. Gusev. Muk. -elev. prom. 31 no. 3:5-7 Mr '65.

**GRAIN TRADE—INFORMATION SERVICE**

Scientific technological information in the system of grain products in 1965. L. Kochetkov. Muk. -elev. prom. 31 no. 3:25-28 Mr '65.

**GRAMMAR, COMPARATIVE AND GENERAL**

Typology of grammatical categories. N. N. Korotkov. V. Z. Panfilov. Vop. iaz. 14 no. 1:37-47 Ja-F '65.

**GRAMMAR, COMPARATIVE AND GENERAL—SYNTAX**

On the concept of configuration. E. V. Paducheva. Vop. iaz. 14 no. 1:56-68 Ja-F '65.

**GRANITE**

(see also subdivision under Yenisey Range)

Kuz'menko, M. V., and N. A. Akolin. [Genesis of sub-alkaline granitoids and albitites connected with them and the distribution of tantalum and niobium in them] Genezis subshchelochnykh granitoidov i svyazannykh s nimi al'bititov i zakonomenosti raspredeleniya v nichkh tantal i niobila. Moskva, Nauka, 1965, 119 p.

**GRANITE INDUSTRY see subdivision under Armenia****GRANULAR MATERIALS**

Dubynin, N. G. [Drawing ore in underground mining]

Vypusk rudy pri podzemnoi razrabotke. Pod red. M. I. Agoshkova. Moskva, Nedra, 1965, 266 p.

Hydraulics of granular materials. V. I. Malov. Teplo-energetika 12 no. 3:78-81 Mr '65.

**GRAPES—DISEASES AND PESTS see subdivision under Crimea****GRAPHIC ARTS, SWEDISH—EXHIBITIONS see subdivision under Moscow****GRAPHIC METHODS**

Gol'vand, I. M., E. G. Olgoleva, and E. E. Smol'.

[Functions and graphs (fundamental methods)] Funktsii i grafiki (osnovnyye priemy). Moskva, Nauka, 1965, 94 p. (Biblioteka fiziko-matematicheskoi shkoly. Matematika, no. 2)

**GRAPHIC STATICS**

Corelov, L. K. [Geometrical characteristics of plane cross sections: Theory and problems; a methodological manual on the strength of materials] Geometricheskoe kharakteristiki ploskikh sechenii: Teoriya i zadachi; uchebno-metodicheskoe posobie po soprotivleniyu materialov. Moskva, Mosk. skolkoinstrumental'nyi in-t, 1964, 36 p.

[MICROFILM]

**GRAPHITE**

Plakov, A. S. [Forming the structure and properties of carbon and graphite materials] Formirovaniye struktury i svoystv uglegrafitovykh materialov. [Moskva] Metallurgiya, 1965, 287 p.

**GRASSES**

Mycotrophic nutrition of grasses. N. A. Dorokhova. Biol. MOIP. Otd. biol. 70 no. 1:119-126 Ja-F '65.

**GRASSES—FERTILIZERS AND MANURES**

(see also subdivision under Caucasus, Northern; Central Chernozem region; Gorkiy Province; Kirovo-Chepelsk District; Siberia, Western)

Some problems in the liming of meadows. I. A. Shil'nikov. Khim. v sel'khoz. 3 no. 5:6-11 My '65.

**GRAVEL—TRANSPORTATION**

Current problems in the winning and transportation of mineral building materials. A. Prostov. Rech. transp. 23 no. 12:5-6 D '64.

**GRAVITATION**

Galvanic cell in the gravitational field. T. A. Kaimakov, N. L. Varshevskaya. Elektrokhimia 1 no. 5:585-591 My '65.

Inertial frames of reference. Part 2. L. I. Arifov, I. I. Gutman. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 9 no. 1:93-97 '65.

Rotation of the plane of polarization of light in a field of forces of inertia and gravitation. L. I. Arifov. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 9 no. 2:60-66 '65.

**GRAVITY**

Calculating the tropopause height and the geopotential on the levels of 500, 300, and 200 mb. N. Aliev. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 9 no. 2:75-81 '65.

Stankovich, K. P. [The gravitational field and elementary particles] Gravitatsionnoye pole i elementarnye chastitsy. Moskva, Nauka, 1965, 310 p.

**GRAVITY—MEASUREMENT**

Theory of gravity measurement from an airplane using three orthogonal string transducers. IU. A. Tarakanov. Izv. AN SSSR, Fiz. zem. no. 5:33-41 '65.

**GRAVITY ANOMALIES**

(see also subdivision under Crimea; Tatar A. S. S. R.)

Fast method for the determination of the elements of occurrence and the gravity effect of disturbing masses having the form of a bench. A. G. Salikhov, L. A. Zharkova, G. E. Kuznetsov. Izv. Kazan. fil. AN SSSR, Ser. geol. nauk no. 10:18-28 '63.

Interpretation of the anomalies of two-milligal and detailed gravity surveys. A. G. Salikhov. Izv. Kazan. fil. AN SSSR, Ser. geol. nauk no. 10:46-51 '63.

Methods for the calculation of the gravity effect of the nonuniform structure of the upper layers of sedimentary formation. A. G. Salikhov, L. A. Zharkova. Izv. Kazan. fil. AN SSSR, Ser. geol. nauk no. 10:38-45 '63.

Some problems in the quantitative interpretation of the anomalies of a gravity field. D. B. Usupov. Izv. Kazan. fil. AN SSSR, Ser. geol. nauk no. 10:65-68 '63.

Theoretical curves of the gravity anomalies over dome structures. E. G. Bulakh, L. G. Evsikova. Geofiz. sbor. no. 8:50-62 '64.

**GRAVITY PROSPECTING**

(see also subdivision under Krivoy Rog; Russia, Southern; Tatar A. S. S. R.)

Solution of the direct and inverse problem of gravimetry for bodies close in form to the morphological elements of sedimentary formation and basement. L. A. Zharkova. Izv. Kazan. fil. AN SSSR, Ser. geol. nauk no. 10:27-31 '63.

Solution of the direct and inverse problem of gravimetry bodies close in form to the morphological elements of sedimentary formation and basement. L. A. Zharkova. Izv. Kazan. fil. AN SSSR, Ser. geol. nauk no. 10:27-31 '63.

Theory of determining density variations in a horizontal stratum from gravity anomalies. V. M. Novoseltskii. Izv. AN SSSR, Fiz. zem. no. 5:25-32 '65.

**GREAT BRITAIN—AERONAUTICS, COMMERCIAL**

On the air routes of English. V. Zorin. Grahd. av. 22 no. 8:24 Je '65.

**GREAT BRITAIN—AGRICULTURE, COOPERATIVE**

Cooperatives, monopolies and the socialist objective. Jack Duman. Kommunist 42 no. 10:122-124 Ji '65.

**GREAT BRITAIN—ATOMIC WEAPONS**

Metamorphoses in the nuclear strategy of the Laborists. S. Beglov. Mezhdunar. zhizn' 12 no. 7:74-81 Ji '65.

**GREAT BRITAIN—CITIES AND TOWNS**

Work of British urbanists. M. Pol'skaya. Vop. geog. no. 60:184-186 '65.

**GREAT BRITAIN—COURTS**

The judiciary of England. B. Strashun. Sov. iust. 29 no. 11:23-25 Je '65.

#### GREAT BRITAIN—ECONOMIC POLICY

British Premier's castle in the air. N. Khomutov. *Mezhdunar. zhizn'* 12 no. 7:113-114 JI '65.

#### GREAT BRITAIN—FOREIGN RELATIONS

Current events. Nov. vrem. 23 no. 26:10-11 Je '65.  
Great Britain, the course remains the same. R. Palmer. *Dokl. Mezhdunar. zhizn'* 12 no. 6:24-31 Je '65.

#### GREAT BRITAIN—FOREIGN RELATIONS—EGYPT

From the history of the Egyptian people's struggle for independence, the Anglo-Egyptian agreement of 1954. A. M. Goldebin. *Nar. Az. i Afr.* no. 3:61-69 '65.

#### GREAT BRITAIN—FOREIGN RELATIONS—GERMANY, WEST

To the benefit of the revanchists. I. U. Aizman. *Mezhdunar. zhizn'* 12 no. 7:119-120 JI '65.

#### GREAT BRITAIN—FOREIGN RELATIONS—MALAYSIA, FEDERATION OF

Malaysia in the schemes of British imperialists. I. U. Kurenov. *Mir. ekon. i mezhdunar. otn.* no. 7:102-103 '65.

#### GREAT BRITAIN—GLIDING AND SOARING

Along the "cloud roads" of England. K. I. Rod. 16 no. 5:16 My '65.

#### GREAT BRITAIN—LIBRARIES

Library systems of counties in Great Britain. I. V. Balina. *Bibliotekoved. i bibl. za rub.* no. 14:50-69 '64.

#### GREAT BRITAIN—MERCHANT MARINE

Ships built in England. *Sudestroenie* 30 no. 12:62-68 D '61.

#### GREAT BRITAIN—POLITICS AND GOVERNMENT

Literature on the activity of the Labor Government during the years 1945-1951. V. A. Ryzhikov. *Vop. ist.* 40 no. 7:150-156 JI '65.

Where is Great Britain going? V. N. Nekrasov. *Mezhdunar. zhizn'* 12 no. 7:21-22 JI '65.

#### GREAT BRITAIN—SOCIAL CONDITIONS

The status of the partially free in Anglo-Saxon society. M. N. Sokolova. *Sred. veka* no. 26:80-98 '64.

#### GREAT BRITAIN—TRACTORS

Methods for changing the gauge of the driving wheels of a tractor using the power of the engine. V. I. Razorenov. *Trakt. i sel'khoz. mash.* no. 5:43-45 My '65.

#### GREAT BRITAIN—TRAFFIC ACCIDENTS

One of the laws of the "free" world. B. Kurnov. *Sov. iust.* 29 no. 8:27-29 Ap '65.

#### GREECE—DESCRIPTION AND TRAVEL

Hello, Greece! E. Fedorov. *Teatr* 26 no. 3:104-108 Mr '65.

#### GREECE—POLITICS AND GOVERNMENT

Struggle for the democratization of Greece. I. Meletiadis. *Mir. ekon. i mezhdunar. otn.* no. 7:103-105 '65.

#### GREECE—THEATER

Hello, Greece! E. Fedorov. *Teatr* 26 no. 3:104-108 Mr '65.

#### GREENHOUSE MANAGEMENT

Glinkin, N. M., K. G. Kovalev, and B. V. Rudnev. [Technical production cards on growing flowering plants outdoors and under glass.] *Proizvodstvenno-tekhnologicheskie karty po vyrazhivaniyu tsvetoknykh rastenii otkrytogo i zakrytogo grunta, Moskva, Stroiizdat.* Pt. 1. [Under glass] *Zakrytyi grunt*. 1965. 167 p. (DNAL)

Use of trichodermin for controlling *Sclerotinia libertiana* of cucumbers under glass. M. A. Darozhkin, A. A. Sapahova. *Vest. AN BSSR, Ser. sel'sk. nauch.* no. 4:64-66 '64.

#### GREENHOUSES see subdivision under Bulgaria

#### GREENLAND—FISHERIES

Development of a fishing area at the western coast of Greenland. L. N. Pechenik. *Ryb. khoz.* 41 no. 5:9-12 '65.

#### GREENLAND—TELEOSTEI

New occurrence of *Notosudis lepidus* (Places, *Notosudidae*) in waters of West Greenland. A. I. Postolaki. *Zool. zhur.* 44 no. 4:622-624 '65.

#### GREENLAND REGION—FISHERIES

Some data on the relief and bottom of the fishing grounds of eastern Greenland. V. M. Litvin, S. A. Bozhur. *Morsk. rybn. khoz. i sel. Sev. bas.* no. 4:106-111 '64.

#### GREENLAND SEA—CARBONATES

Carbonates in the sediments of the Norwegian-Greenland basin as indexes of the distribution of water masses. T. I. Gorshkova. *Trudy VNIRO* 57:297-312 '65.

#### GREENLAND SEA—MARINE SEDIMENTS

Carbonates in the sediments of the Norwegian-Greenland basin as indexes of the distribution of water masses. T. I. Gorshkova. *Trudy VNIRO* 57:297-312 '65.

#### GREENLAND SEA—OCEAN CURRENTS

Wind currents of the Norwegian and Greenland Seas. G. N. Zaitsev. *Trudy VNIRO* 57:21-31 '65.

#### GREENLAND SEA—OCEANOGRAPHIC RESEARCH

Results of oceanographic studies of the Norwegian and Greenland Seas in 1960-1962. A. P. Alekseev, B. V. Istoshin, L. R. Shmarina. *Trudy PINRO* no. 16:133-149 '64.

#### GREENLAND SEA—ORGANIC MATTER

Conditions of the new formation and decay of organic substance in the ice areas of the Greenland and Barents Seas. I. A. Ermachenko. *Trudy VNIRO* 57:161-171 '65.

#### GREENLAND SEA—TIDES

Analysis of the structure of the tides of the Norwegian and Greenland Seas. A. V. Nekrasov. *Trudy Len. gidromet. inst.* no. 17:95-112 '64.

#### GREENSTONE see subdivision under Mugodzhai Hills

#### GRIGNARD REAGENTS

Interaction between Iozich's reagent and phosphorus trihalides. G. M. Bogolubov, A. A. Petrov, Zhur. ob. khim. 35 no. 6:988-992 Je '65.

#### GRIMM, OSKAR ANDREEVICH, 1845-1921

Hundred twenty fifth anniversary of the birth of Oskar Andreevich Grimm. P. G. Borisov. *Ryb. khoz.* 41 no. 5:25-26 '65.

#### GRINDING AND POLISHING

Berenfelds, Valdis Vilis D. [Form grinding] *Profilisatpesana. Riga, Liesma*. 1965. 91 p. (Jauna stradietika biblioteka) [in Latvian]

Determining the dependences of the polishing process in vibrating drums. A. P. Babichev, V. I. D'achenko. *Vest mashinost.* 45 no. 8:40-43 Je '65.

Diamond burnishing of hardened steels. G. I. Chekin. *Vest mashinost.* 45 no. 8:47-49 Je '65.

Diamond grinding of high-speed cutting tools. A. I. Grabchenko. *Mashinostroenie* no. 3:53-54 My-Je '65.  
Economic strength of an abrasive in ultrasonic and jet-abrasive grinding. I. A. Kachmarek. *Vest mashinost.* 45 no. 6:43-47 Je '65.

Effect of diamond grinding on the surface layers of hardened R18 steel. V. G. Delevi, P. A. Shul'man. *Metalloved. i term. obr. met.* no. 4:49-50 Ap '65.

Effect of fine grinding and polishing on the smoothness and quality of machined surfaces. P. I. Iashcheritsyn. *Vest mashinost.* 45 no. 6:69-73 Je '65.

Effect of the speed of cutting on the quality of the surface during the grinding of steel. N. V. Podoshkin. *Uch. zap. Mord. gos. un.* no. 15 pt. 2:71-80 '63.

Fine diamond grinding of the curvilinear surface of a hardened steel cam disk. I. A. Kunkin, I. U. Barannik, S. I. Mikhail'son. *Mashinostroenie* no. 3:54-56 My-Je '65.

Grinding low-magnetic and nonmagnetic steels. V. A. Khrul'kov, I. U. Kulakov. *Blud. tekhn. ekon. inform. Gos. nauch. i sel. inst. nauch. i tekhn. inform.* 18 no. 4:30-33 Ap '65.

Heat treatment of heavily loaded gears. A. A. Borisov. *Metalloved. i term. obr. met.* no. 4:56-58 Ap '65.

High-speed lapping of holes in steel parts. V. N. Morozenko. *Mashinostroenie* no. 2:19-21 Mr-Ap '65.

Improved dust interceptor for band grinding machines. N. I. Korenev. *Der. prom.* 14 no. 5:28-29 My '65.

Mechanized sharpening of cutting tools. A. K. Baev. *Mashinostroenie* no. 3:62-63 My-Je '65.

Shortcomings in grinding worn-out crankshaft journals of motortruck and tractor engines in relation to the rigidity of the grinding machine. I. A. Kvar. *Zap. Len. sel'khoz. inst.* 85:47-51 '61.

Theoretical investigation of the process of fine grinding. F. S. Umuov. *Izv. vys. ucheb. zav., mashinost.* no. 3:61-70 '65.

#### GRINDING MACHINES

Continuous straightening of an abrasive wheel on a ball-grinding machine. V. V. Avakian, I. D. Trykbankin. *Blud. tekhn. ekon. inform. Gos. nauch. i sel. inst. nauch. i tekhn. inform.* 18 no. 5:29-30 My '65.

Device for grinding valve seats of diesel engines. Avt. transp. 43 no. 6:37 Je '65.

Introducing the KSh-391 jig grinder with optical control. A. P. Kuznetsov. *Blud. tekhn. ekon. inform. Gos. nauch. i sel. inst. nauch. i tekhn. inform.* 18 no. 4:26-27 Ap '65.

Introducing the VSh-309 automatic machine for grinding balls before and after heat treatment. L. B. Bogatnikov. *Blud. tekhn. ekon. inform. Gos. nauch. i sel. inst. nauch. i tekhn. inform.* 18 no. 4:28-29 Ap '65.

Manufacturing the LZ-164 semiautomatic internal grinding machine. O. N. Koltov. *Blud. tekhn. ekon. inform. Gos. nauch. i sel. inst. nauch. i tekhn. inform.* 18 no. 5:28-29 My '65.

Selecting the type of hard alloy and geometric parameters of a cutter for grinding of metal hard faced by high-grade electrodes. O. A. Lukin. *Zap. Len. sel'khoz. inst.* 85:36-41 '61.

#### GRINDING MACHINES—ATTACHMENTS

Attachment for relieving screw taps. N. S. Skitarov. *Mashinostroenie* no. 3:58 My-Je '65.

#### GRINEVICH, PETR ANTONOVICH, 1899-1937

Petr Antonovich Grinevich, 1899-1937. M. I. Kazanin. *Nar. Az. i Afr.* no. 3:234-235 '65.

#### GRIPPE see Influenza

#### GRISOFULVIN—THERAPEUTIC USE

Griseofulvin therapy of onychomycosis in a 2-month-old child. T. I. Boznos. *Vest. dermat. i ven.* 38 no. 6:89 Je '64.

#### GROCERY TRADE see subdivision under Novosibirsk

#### GRODNO PROVINCE—ROTATION OF CROPS

Postharvest crops. I. I. Plunovskii, N. V. Martinchik. *Zemledelie* 27 no. 5:74-75 My '65.

#### GROUSEBEAKS see subdivision under Asia, Central

#### GROUND BEETLES see subdivision under Ukraine

#### GROUND BEETLES—EXTERMINATION see subdivision under Volga Valley

#### GROUPS, THEORY OF

Existence of subgroups in a finite insoluble group. Part 2. I. A. G. Borovich. *Izv. AN SSSR, Ser. mat.* 29 no. 3:527-552 '65.

Fundamental aspects of the theory of projections of semi-structures. L. N. Shevrin. *Mat. sbor.* 56 no. 4:563-597 Ap '65.

Group with decomposable centralizers. A. I. Starostin. *Izv. AN SSSR, Ser. mat.* 29 no. 3:605-614 '65.

Groups in which all subgroups are metabelian. M. E. Zel'manov. *Ukr. mat. zhur.* 17 no. 3:67-73 '65.

McLain's and Mal'tsev's postulates for one class of regular operations on groups. G. G. Shchepin. *Usp. mat. nauk* 20 no. 3:219-226 My-Je '65.

Maximal nilpotent subgroups of a complete linear group above the quotient ring  $Z/(p^m)$ . D. A. Suprunenko. *Mat. sbor.* 66 no. 4:598-607 Ap '65.

Partition of locally finite groups. A. I. Starostin. *Mat. sbor.* 66 no. 4:551-587 Ap '65.

Some finiteness conditions in the theory of semigroups. L. N. Shevrin. *Izv. AN SSSR, Ser. mat.* 29 no. 3:553-555 '65.

Structure of the wave field of a straight-line homogeneous discrete B group. I. U. Vasil'ev, L. D. Ratsher, E. I. Sagalov. *Izv. AN SSSR, Fiz. zem.* no. 2:69-74 '65.

Structure of unitary representations of locally bicompact groups in a  $\pi_1$  space. M. A. Naimark. *Izv. AN SSSR, Ser. mat.* 29 no. 3:680-700 '65.

#### GROUSE

Survey of the distribution and abundance of Tetraonidae based on data obtained from questionnaires. V. I. Osmolovskaya. *Zool. zhur.* 44 no. 5:740-746 '65.

#### GROUSE—PARASITES see Parasites—Grouse

#### GROUTING

Improving the grouting of rock. N. G. Trupak. *Shakht. stroi.* 9 no. 5:1-3 My '65.

#### GROUTING—CONGRESSES

Scientific and technical conference on the problems of grouting fractured water-bearing rock during shaft sinking. M. G. Likhenshtein. *Shakht. stroi.* 9 no. 5:29-30 My '65.

#### GROWTH

Characteristics of the postembryonal growth of muscles in Balbas sheep. N. M. Akhmedov. *Izv. AN Azerb. SSR Ser. biol. nauk* no. 6:33-42 '64.

#### GROWTH PROMOTING SUBSTANCES

Improving the quality of the Lvov petroleum growth promoting substances. H. V. Sabirova and others. *Khim. prom. [Ukr.]* no. 2:32-33 Ap-Je '65.

Physiological activity of some new derivatives of arylalkylcarboxylic acids. L. A. Bakumenko and others. *Khim. v sel. khoz.* 3 no. 6:50-63 My '65.

Veterinary hygienic measures in coccidiosis of poultry. M. S. Boiko. *Veterinarnia* 42 no. 5:101-102 My '65.

Use of growth regulators for increasing frost resistance in pear. T. V. Zolotikhina. *Sbor. nauch. rab. NIIsd.* no. 10:87-94 '64.

Use of growth stimulators in the reproduction of fruit and berry crops in Sakhalin. T. G. Voronova. *Vest. sel'khoz. nauki* 8 no. 8:118-124 '63.

#### GRYNOKA GAS FIELD—EARTH TEMPERATURE

Geothermal characteristics of the Grynoka gas field. D. I. Kulchitskii. *Neft. i gaz. prom.* no. 2:10-13 Ap-Je '65.

## GRYNOKVA GAS FIELD—GAS, NATURAL—GEOLOGY

Geothermal characteristics of the Grynokva gas field. D. I. Kulchitskii. *Neft i gaz, prom.* no. 2:10-13 Ap-Je '65.

## GULF STREAM

Study of the causes of variations in the activity of the Gulf Stream over a period of several years. I. V. Makstomov, N. P. Smirnov. *Okeanologiya* 5 no. 2:210-221 '65.

## GUMS AND RESINS

Improving the stability and water resistance of foamy soils by the addition of furfural-aniline resins. G. I. Shelopnev. *Trudy STI* 33:32-37 '62.

Noncrystalline balsams from pine resins. B. Peioski, Gidroliz, i lesokhim. prom. 18 no. 4:11 '65.

Resinous bast as raw material for the production of colophony. A. P. Papyrin, G. G. Romanovskii. *Gidroliz i lesokhim. prom.* 18 no. 4:13-14 '65.

## GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

## GUNITE

Repair of back walls and corners of open-hearth furnaces by means of gunite. V. K. Kozlov. *Metallurg* 10 no. 5:22 My '65.

## GUNPOWDER

Case of prolonged preservation of the explosive properties of black gunpowder (missile exploded after 105 years). V. I. Tomsilov, V. S. Vinogradova. *Sud.-med. ekspert* 3 no. 2:55 Ap-Je '60.

## GUNSHOT WOUNDS

Head injury inflicted by a homemade pistol barrel in firing a shot. P. I. Chulko. *Sud.-med. ekspert* 3 no. 2:56 Ap-Je '60.

Injuries inflicted by shots from a 26-millimeter flare pistol. A. M. Aizulanov. *Sud.-med. ekspert* 3 no. 2:56-59 Ap-Je '60.

A so-called air excretion ring. I. B. Dmitriev. *Sud.-med. ekspert* 3 no. 2:54 Ap-Je '60.

## GUS'KOV, VASILII MIKHAILOVICH, 1901-1964

Vasilii Mikhailovich Gus'kov; an obituary. *Izv. vys. ucheb. zav.; tsvet. met.* 8 no. 1:170-177 '65.

## GUTKIN, L'EV SOLOMONOVICH, 1914

L. S. Gutkin, on his 50th birthday. *Radioelektronika* 20 no. 3:80 Mr '65.

## GYMNASTICS

Method of immediate information on the time and space parameters of movements during the technical training of gymnasts. M. L. Utkin, I. U. A. Blazov. *Teor. i prakt. fiz. kul't* 28 no. 6:5-7 Je '65.

## GYMNASTICS, MEDICAL see Exercise therapy

## GYNECOLOGY

Maksel, E. P. [Clinical aspects and therapy of female sterility] *Klinika i terapija besplodnitykh zhenshchiny*. [Leningrad] Meditsina, 1965. 160 p. (ONLM)

Subs, R., ed. [Gynecology] *Ginekologija*. [By] A. Ebela un citi. Riga, Liesma, 1965. 180 p. [In Latvian] (ONLM)

## GYNECOLOGY—CONGRESSES

Uzhgorod, Universytet. [Current problems of obstetrics and gynecology; abstracts of reports and communications to the Interuniversity Scientific and Practical Conference of Obstetricians-Gynecologists] *Aktualnye voprosy akusherstva i ginekologii; tezisy dokladov i soobshcheniya k Mezhdunarodnoi nauchno-prakticheskoj konferentsii akusherov-ginekologov*. Pod red. I. N. Rembeza. Uzhgorod, 1965. 336 p. (ONLM)

## GYPSUM see subdivision under Ukraine

## GYPSY MOTIF see subdivision under Brest Province

## GYROCOMPASS

Nechaev, P. A., and N. B. Kudrevich. [Electronic navigation instruments] *Elektronavigatsionnye pribory*. Izd. 2, ispr. i dop. Moskva, Transport, 1965. 495 p. diagr. (insert)

## GYROSCOPE

Motion of a gyroscopic pendulum with radial correction during slight random shifts of its point of support. L. A. Roitenberg. *Izv. AN SSSR. Mekh.* no. 2:58-63 Mr-Apr '65.

Stability of the motion of certain controllable gyroscopic devices on a mobile foundation. V. V. Kromentulo. *Izv. AN SSSR. Mekh.* no. 2:60-76 Mr-Apr '65.

## GYROSCOPIC INSTRUMENTS

Danilin, V. P. [Gyroscopic instruments] *Giroskopicheskie pribory*. Moskva, Vysshaya shkola, 1965. 538 p.

## HAAPSALU REGION—BOTANY

Coastal flora in the vicinity of Haapsalu. V. M. Shmidt. *Vest. LGU* 20 no. 9:64-73 '65.

## HABITS AND BEHAVIOR OF ANIMALS see Animals, Habits and behavior of

## HACKBERRY

Characteristics of the growth of *Celtis L.* in young age. A. A. Mayzhudov. *Uzb. biol. zhur.* 9 no. 1:39-41 '65.

## HADDOCK see subdivision under Barents Sea

## HAFIUM COMPOUNDS—SPECTRA

Infrared absorption spectra of zirconium (IV) and hafnium (IV) nitrate compounds. I. U. IA, Kharitonov and others. *Zhur. neorg. khim.* 10 no. 4:741-744 Ap '65.

## HALF-TRACK VEHICLES see Tracklaying vehicles

## HALIDES

Approximate calculation of heats of solvation of some ions in methanol. K. P. Mishchenko, S. M. Taniewska-Osinska. *Izv. vys. ucheb. zav., khim. i khim. tekhn.* 8 no. 1:36-41 '65.

Complexes of aromatic hydrocarbons with metal halides and hydrogen halides. Part 2: Proton magnetic resonance spectra of complexes of methylbenzenes with aluminum bromide and hydrogen bromide. V. A. Koptug and others. *Zhur. ob. khim.* 35 no. 5:884-870 My '65.

Complexes of aromatic hydrocarbons with metal halides and hydrogen halides. Part 3: Infrared absorption spectra of complexes formed by methylbenzene with aluminum bromide and hydrogen bromide. V. A. Koptug and others. *Zhur. ob. khim.* 35 no. 6:1111-1116 Je '65.

Infrared absorption spectra of the products of the addition of aromatic amines to cobalt, zinc, and cadmium halides. A. V. Ablov, N. N. Proskina, L. F. Chapurina. *Zhur. neorg. khim.* 10 no. 6:1350-1354 Je '65.

Reciprocal system consisting of sodium, potassium, and barium chlorides and fluorides. E. S. Agub'yan, G. A. Bakhvalova. *Zhur. neorg. khim.* 10 no. 6:1459-1463 Je '65.

## HALOCHROMISM

Substituted hydrazides of hydroxycarboxylic acids. Part 22: Halochromism of arylhydrazides of diarylglycolic acids. I. S. Berdnitskii, N. A. Kostareva. *Zhur. ob. khim.* 35 no. 5:876-878 My '65.

## HALOGEN COMPOUNDS

Halogen-nitrocarboxylic acids. Part 9: Derivatives of fluoronitroacetic acid. I. V. Martynov, I. L. Kruglak. *Zhur. ob. khim.* 35 no. 6:887-888 Je '65.

## HALOGEN ISOTOPES

Yields of  $^{87}\text{Br}$ ,  $^{86}\text{Br}$ ,  $^{137}\text{I}$ ,  $^{136}\text{I}$  as precursors of delayed neutrons in the fission of  $^{235}\text{U}$  and  $^{232}\text{Th}$  by neutrons with an energy of 14.5 MeV. V. I. Shapakov and others. *Radiofizika* 7 no. 1:96-103 '65.

## HALOGENATION

Role of a solvent in the reactions of halogenation of olefins with a quaternary carbon atom at a double bond. I. V. Bodrikov, Z. S. Smolian, G. A. Korzhagina. *Zhur. ob. khim.* 35 no. 5:833 My '65.

## HALOGENS

Effect of halogen ions and organic surface-active substances on hydrogen-ion discharge reaction on a copper electrode in acid solutions. Z. A. Iofa, V. A. Makarova. *Elektrokhimiya* 1 no. 2:230-233 F '65.

Donor-acceptor interaction of halogens with polystyrene, polyvinyltoluene, and copolymers of styrene with  $\alpha$ -methylstyrene and  $\alpha$ -vinyl naphthalene. I. U. I. Vasilenok and others. *Vysokom. soed.* 7 no. 4:528-533 Ap '65.

## HALOGENS—ANALYSIS

Determination of chlorine and bromine in organic compounds. N. A. Novikova-Kukla, A. G. Stepanova. *Trudy IRIA* no. 26:311-316 '63.

## HAMBURG—MARRIAGE BROKERAGE

Hamburg robot; a feuilleton. N. Shimmelf'. *Nov. vrem.* 23 no. 20:27 JI '65.

## HAMSTERS see subdivision under Volga-Ural region

## HANDICAPPED—REHABILITATION, ETC.

Unify the labor law concerning the disabled. M. Filaster. *Sov. iust.* 20 no. 9:10-13 My '65.

## HANDICRAFT see subdivision under India

## HANGARS

Characteristics of the construction of large-span elements of the roofs of hangars. L. L. Goldenberg. *Izv. vys. ucheb. zav.; stroi i arkhit.* 8 no. 2:159-166 '65.

## HARBORS

(see also subdivision under Europe, Western)

The need for a new methodology for determining the indices of planned operation of ports. A. Smutchuk. *Mor. flot* 25 no. 4:12-13 Ap '65.

Prepare the ports for new working methods. Rezh. transp. 23 no. 12:1-3 D '64.

Uniform standards for servicing ships at sea fishery ports and stations. Z. Aleksandrova, V. Ivanov, S. Tomberg. *Mor. flot* 25 no. 4:10-11 Ap '65.

## HARD FACING

Calculation of thermal processes during weaving arc hard facing of cylindrical parts. V. I. Makhnenko, A. F. Mozhnitskii. *Avtom. svar.* 18 no. 5:20-24 My '65.

Diffusion alloying of the surface of parts with metals and metaloids for increasing their heat and wear resistance. G. N. Dubinin. *Vest mashinost.* 45 no. 6:58-63 Je '65.

Electric slag hard facing of cutters. V. I. Svetopol'skii, M. I. Griazev. *Avtom. svar.* 18 no. 4:57-58 Ap '65.

Hard facing of dies. M. S. Poliak. *Kuz.-shyam. proizv.* 7 no. 4:46-48 Ap '65.

Physical and mechanical properties of metal hard faced in an atmosphere of carbon dioxide. V. A. Shebanov. *Zap. Len. sel'khoz. inst.* 85:68-73 '61.

Selecting parameters for build-up welding with a pulsation arc on a direct current. V. Nasonov, A. Gorchakov. *Tekhn. v sel'khoz.* 25 no. 5:77-78 My '65.

Some results of studying the process of build-up welding with a weaving arc. A. I. Shevchenko. *Zap. Len. sel'khoz. inst.* 85:61-67 '61.

Using weaving arc hard facing. I. R. Patskevich. *Avtom. svar.* 18 no. 4:28-33 Ap '65.

Wear resistance of building-up materials at variable temperatures. N. A. Grinberg. I. V. Petrov, I. K. Koshelev. *Vest mashinost.* 45 no. 6:33-37 Je '65.

Welding and hard facing by friction of agricultural machinery parts. R. I. Zakson, F. G. Turukin. *Avtom. svar.* 18 no. 3:48-50 Mr '65.

## HARD FACING—EQUIPMENT AND SUPPLIES

Causes of the burning out of the parent and filler metal in weaving arc hard facing. A. A. Buki, N. N. Astaf'ev. *Svar. proizv.* no. 5:14-16 My '65.

Ceramic electrode in a metal casing for electric slag hard facing. D. B. Zolotarevskii. *Avtom. svar.* 18 no. 5:41-43 My '65.

Mechanized hard facing under flux. N. F. Tatarko. *Avtom. svar.* 18 no. 5:44-45 My '65.

## HARD FACING—TESTING

Wear resistance of a hard facing metal with high plasticity. E. I. Leinachuk. *Avtom. svar.* 18 no. 4:54-56 Ap '65.

## HARDBOARD

Veneering hardboards. A. M. Markov. *Dor. prom.* 14 no. 5:16 My '65.

## HARDNESS

Determining the plastic constant of metals by their hardness. B. A. Shcheglov. *Kuz.-shyam. proizv.* 7 no. 4:6 Ap '65.

Microhardness of alloys in the cadmium angle in the system cadmium - tin - bismuth - lead. A. I. Soldanov. *Izv. vys. ucheb. zav., tsvet. met.* 8 no. 1:125-131 '65.

Varolio, V. V. [Measuring the hardness of metals] *Izmerenie tverдости metallov*. Moskva, Izd-vo Standartov, 1965. 194 p.

## HARES—PARASITES see Parasites—Hares

## HARMONY

Daunoras, Algimantas. [Harmony; for technical schools of music] *Harmonija; muzikos technikumams, Kaunas, Sileciai*, 1964. 483 p. [In Lithuanian]

Kasponis, R. [Principles of harmony] *Harmonijos pagrindai*. Vilnius, VAGA, 1965. 149 p. [In Lithuanian]

## HARMONY, KEYBOARD

Maksel'mov, S. E. [Harmony exercises at the piano] *Uprazhneniya po garmonii na fortepiano*. Izd. 4. Moskva, Muzyka, Pt. 2. 1965. 272 p.

## HARROWS

Results of studying the work of a stellate disk harrow in preparing seedbeds for sowing. P. I. Domarat'skii. *Zap. Len. sel'khoz. inst.* 85:246-251 '61.

## HARVESTING MACHINERY

Calculations for a reelless reaper. V. A. Lur'e, L. A. Shchemelinskii. *Trakt. i sel'khoz. mash.* no. 5:19-21 My '65.

The LKV-4T flax harvesting machinery. N. N. Bykov, L. I. Gurchik. *Trakt. i sel'khoz. mash.* no. 5:33-34 My '65.

Machine sets for continuous harvesting of grain crops. N. K. Didenko. *Mashinostroyeni* no. 2:94-97 Mr-Apr '65.

Mechanical separator of a reaper. I. IA, Chumachenko. *Svor. rab. po mekh. i elektr. sel'khoz. proizv.* no. 6:77-80 '63.

Universal mover for grain windrows. V. I. Nedovesov, N. V. Filatov. *Svor. rab. po mekh. i elektr. sel'khoz. proizv.* no. 6:88-94 '63.

## HAUSA LANGUAGE—GRAMMAR

From the morphology of the Hausa language; the formation of plural nouns. I. U. K. Shcheglov. *Nar. Az i Afr.* no. 3:122-132 '65.





## HEAT EXCHANGERS (Continued)

- Selecting the necessary heat-exchange surface of gas pipe in pipe heat exchangers for cooling gas. M. M. Zaveriatlo, M. M. Vasil'ev. *Gaz delo* no. 13-5 '65.
- Standardization of shell-and-tube heat exchangers. V. M. Tamasin. *Khim. prom. [Ukr.]* no. 2:42-43 Ap-Je '65.
- Study of the development of drops in a gas and steam medium. V. V. Ivanov. *Izv. vuz. ucheb. zav., energ.* 8 no. 5:114-117 My '65.
- Study of the heat exchange and resistance of tubes lined with corrugated strips. V. I. Evnenko, V. M. Shishkov. *Izv. vuz. ucheb. zav., energ.* 8 no. 5:108-110 My '65.
- Thermal constants of seawater. V. N. Stesarenko. *Izv. vuz. ucheb. zav., energ.* 8 no. 5:117-119 My '65.
- Ways to secure the supply of chemical industries with heat exchanging apparatus. I. S. Iermakov. *Khim. prom. [Ukr.]* no. 2:38-39 Ap-Je '65.

## HEAT EXCHANGERS-COOLING

- Cathodic protection of heat exchangers cooled by sea water. M. S. Tiflet and others. *Zashch. met.* 1 no. 2:245-246 Mr.-Ap '65.

## HEAT EXCHANGERS-ELECTROMECHANICAL ANALOGUES

- Electrical model of a regenerator. A. I. Tumanov, V. F. Gustov. *Trudy VNIKIMASH* no. 9:151-152 '65.

## HEAT EXCHANGERS-TESTING

- Experimental study of heat exchangers in a "falling arresting bed" type two-phase counterflow flux. I. U. Morozov. *Khim. prom. [Ukr.]* no. 2:45-47 Ap-Je '65.
- Investigating the work of regenerators packed with random crushed stone. E. A. Chernysheva, A. I. Tumanov. *Trudy VNIKIMASH* no. 9:166-167 '65.

## HEAT OF COMBUSTION

- Heat of combustion of tetraethoxysilane. I. U. B. Nadzhafov, I. U. Kh. Shaurov. *Izv. AN Azerb. SSR. Ser. fiz.-tekhn. i mat. nauk* no. 1:47-52 '65.

## HEAT OF FORMATION

- Determination of the heat of formation of some derivatives of ethoxysilane series. I. U. B. Nadzhafov, I. U. Kh. Shaurov. *Plast. massy* no. 3:16-18 '65.

## HEAT OF POLYMERIZATION

- Thermochemistry of  $\alpha$ -oxide polymerization. K. S. Kazanaki, S. G. Entelis. *Izv. AN SSSR. Ser. khim.* no. 6:1089-1091 '65.

## HEAT OF SOLUTION

- Covalence of cation reaction with water molecules and the heats of solution of Rb, Tl, Mg, Co and Ni nitrates. M. M. Buslaeva, O. I. A. Samoilov, V. I. Ashkichev. *Radiofizika* 7 no. 1:113-115 '65.

## HEAT OF SOLVATION

- Approximate calculation of heats of solvation of some ions in methanol. K. P. Mishchenko, S. M. Tanlovskaya-Olsnaka. *Izv. vuz. ucheb. zav., khim. i tekhn.* 8 no. 1:38-41 '65.

## HEAT REGENERATORS

- Maximum utilization of secondary and internal power resources is a primary problem of the national economy. P. G. Goncharov. *Stal'* 25 no. 5:477 My '65.

## HEAT RESISTANT ALLOYS

- Heat resistant foundry alloy with an addition of nitrogen. I. U. A. Nekhendzi, K. P. Lebedev. *Lit. prozv., no. 3:1-4 Mr '65.*

## HEAT RESISTANT STEEL see Steel, Heat resistant

## HEAT-TREATING FURNACES see Furnaces, Heat-treating

## HEATING FROM CENTRAL STATIONS

- Calculational relationship between consumer loads and heating loads in the solution of problems in centralized control of central heating systems. B. M. Krasovskii, V. D. Glushkov. *Elek. sta.* 30 no. 4:42-43 Ap '65.
- Choice of efficient municipal heat distribution networks. R. A. Popov, B. K. Kozlov. *Prom. energ.* 20 no. 6:30-32 Je '65.
- System for steam take-off from the B-4000 turbine of an electric power plant mounted on railroad cars. A. D. Rakhman. *Energetik* 13 no. 2:12-13 F '65.
- Universal standard project of the main building of an industrial heat and electric power plant. I. U. Kertsal'ts, V. P. Korytnikov. *Energetik* 13 no. 4:15-18 Ap '65.

## HEATING FURNACES see Furnaces, Heating

## HEATING PLANTS see subdivision under Kuybyshev

## HELICOPTERS

- Expenses are decreased, flying time is increased. F. Kisel'. *Kryl. rod.* 16 no. 5:14-18 My '65.
- A helicopter with the geologists. I. U. Zhakov. *Grazhd. av.* 22 no. 6:9 Je '65.

## HELICOPTERS, MILITARY-PILOTING

- Characteristics of helicopter flights from ships. A. N. Panfilov and others. *Mor. flot.* 48 no. 5:77-81 My '65.

## HELIUM ISOTOPES-DENSITY

- Density of a weak mixture of  $He^3$  -  $He^4$ . T. P. Ptukha. *Ukr. fiz. zhur.* 10 no. 3:353 Mr '65.

## HEMATITE see subdivision under Krivoy Rog Basin

## HEMATOENCEPHALIC BARRIER

- Disorders in the permeability of the hematoencephalic barrier to  $P^{32}$  in rats in hypovitaminosis A. N. I. Mitashova. *Trudy TSU* 71:221-225 '64.
- Passage of radioactive phosphate into the cerebrospinal fluid and its inclusion in the cerebral tissue during histamine shock. V. N. El'skii. *Pat. fiziol. i eksp. terap.* 8 no. 9:28-31 N-D '64.
- Permeability of the hematoencephalic barrier and the distribution of  $K^{42}$  in the organs of rats in hypovitaminosis A. N. I. Mitashova, A. B. Sokolov. *Trudy TSU* 71:212-220 '64.

## HEMATOPORPHYRIA see Porphyrin

## HEMOGLOBIN

- Qualitative characteristics of hemoglobin. V. V. Piogon-nais. *Probl. gemat. i perel. krovi* 10 no. 1:30-32 Ap '65.

## HEMOGLOBIN-OPTICAL PROPERTIES

- Anomalous dispersion of optic activity of dolphin myoglobin and horse hemoglobin. M. V. Volkenshtein, A. K. Shemelin. *Biofizika* 30 no. 1:146-152 Ja-F '65.

## HEMOGLOBIN-SPECTRA

- Spectral properties of anomalous Radoem hemoglobin. K. Muravskii, Z. Shimanovskaya. *Probl. gemat. i perel. krovi* 10 no. 4:32-34 Ap '65.

## HEMOLYSIS AND HEMOLYSINS

- Determination of staphylococcal hemolysins by the technique of hemolysis neutralization with antistaphylococcal sera on agar plates. K. P. Konova, Zhur. mikrobiol., epid. i immun. 42 no. 2:110-115 F '65.
- Diagnostic significance of the lysate reaction of chick erythrocytes in hemorrhagic fever with the kidney syndrome. G. F. Malorova, L. V. Mirolubova, T. S. Ketladze. *Vop. virus.* 9 no. 5:614-617 S-O '64.
- Prevention of acute renal insufficiency in connection with hemolysis in surgery with artificial blood circulation. N. T. Terokhov and others. *Vest. khir.* 93 no. 11:9-16 N '64.
- Use of the indirect hemagglutination reaction and hemolysis in the diagnosis of listeriosis. A. F. Babkin. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:138-143 Ja '65.

## HEMOPHILIA

- Effectiveness of Dorogov's antiseptic-stimulant and lachrymolytic in exudative diathesis in children. L. D. Dorevianko. *Vest. derm. i ven.* 38 no. 6:58-60 Je '64.
- Twenty recommendations to physicians for the prevention of errors and dangers in treating patients with hemophilia. A. N. Filatov. *Vest. khir.* 93 no. 11:11-17 N '64.

## HEMOPHILUS

- Antigens of *Hemophilus pertussis*; a review. A. A. Sumarokov. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:72-76 Ja '65.
- Study of the interaction of *Bacillus pertussis* and paraptus with tissue cultures. Report No. 2. Reproduction of *Hemophilus pertussis* and paraptus in a system with chick embryo fibroblasts. E. I. Shmeleva, M. S. Zakharova. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:81-88 Mr '65.

## HEMOPOLYSIS

- Effect of a mucopolysaccharide preparation derived from the spleen of cattle on the hemopoiesis in rabbits. A. S. Shil'kova. *Probl. gemat. i perel. krovi* 10 no. 4:42-46 Ap '65.
- Radiation lesion of medullary hemopoiesis. M. I. Novikova. *Med. rad.* 10 no. 6:42-46 Je '65.

## HEMORRHAGE

- Effect of a ganglionic block induced by hexonium and diltone on the sensitivity of the organism to acute blood loss. A. T. Denisov. *Pat. fiziol. i eksp. terap.* 8 no. 9:70-80 N-D '64.
- Effect of pentoxyl on the normal antibody content in chronic hemorrhages. Z. P. Ignat'eva. *Pat. fiziol. i eksp. terap.* 8 no. 9:70 N-D '64.
- Indications to surgical treatment of tuberculosis patients with pulmonary hemorrhages and recurrent hemoptysis. T. V. Epstein. *Sov. med.* 28 no. 4:61-64 Ap '65.
- Prolongation of the period of reversible changes under the influence of cerebral hypothermia in serious blood losses. I. R. Petrov, K. A. Gorbunov. *Vest. khir.* 93 no. 11:3-9 N '64.
- Restoration of the protein composition of the blood in splenectomized dogs at the earliest possible time following an acute nonfatal hemorrhage. N. A. Gorbunova. *Pat. fiziol. i eksp. terap.* 8 no. 6:62-65 N-D '64.

- Treatment of hemorrhagic thrombocytopenia with radioactive phosphorus. A. L. Kosyeva, R. L. Marishevskaya. *Trudy TSU* 71:231-238 '64.

## HEMORRHAGE, UTERINE

- Prevention and treatment of hemorrhages in the placental and early postnatal period. S. D. Astrinskii. *Sov. med.* 28 no. 4:83-86 Ap '65.

## HEMORRHAGIC FEVER

- Diagnostic significance of the lysate reaction of chick erythrocytes in hemorrhagic fever with the kidney syndrome. G. F. Malorova, L. V. Mirolubova, T. S. Ketladze. *Vop. virus.* 9 no. 5:614-617 S-O '64.

## HEMOSPORIDIA

- Control of ixodid ticks as the basis of the prophylaxis of hemosporidiosis. D. K. Poltavov, Kh. A. Akhmedov, I. A. Makhmudov. *Veterinaria* 41 no. 4:101-102 Ap '65.

## HEMP-DISEASES AND PESTS see subdivision under Cherkassy Province

## HEMP-FERTILIZERS AND MANURES

- Effect of the various forms of potassium and phosphorus fertilizers on the yield of hemp grown in peat-bog soils. I. S. Zavorotchenko. *Khim. v sel', khoz.* 3 no. 4:12-13 Ap '65.

## HEPARIN

- Control of adequate heparin neutralization by protamine sulfate in artificial blood circulation. M. S. Margulis, U. Berzins. *Vest. khir.* 93 no. 11:16-22 N '64.

## HEPARIN-THERAPEUTIC USE

- Expediency of using heparin in poisoning with snake venom. A. A. Zhavoronkov. *Sov. med.* 28 no. 4:121-124 Ap '65.

## HEPATIC ARTERY-LIGATURE

- Structural changes in the arterial bed of the dog liver and dynamics of some of its functional indices in experimental ischemia. E. P. Mel'man and others. *Arkh. anat., gist. i embriol.* 47 no. 10:25-35 O '64.

## HEPATITIS, INFECTIOUS

- (see also subdivision under Lithuania)
- Characteristics of the course of Botkin's disease in opisthorchiasis. N. V. Prodolobov. *Sov. med.* 28 no. 4:87-89 Ap '65.
- Clinical aspects of severe forms of Botkin's epidemic hepatitis and some indications to disorders of nitrogen metabolism in it. G. F. Belov. *Sov. med.* 28 no. 4:58-62 Ap '65.
- Clinical aspects of toxic dystrophy of the liver in Botkin's disease in gravidas, based on materials of the infectious diseases hospital in Ulan-Bator. V. Gamzina. *Sov. med.* 28 no. 4:83-85 Ap '65.
- Detection of antigens and antibodies in infectious hepatitis patients by the precipitation in gel reaction. N. B. Proskurakova. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:34-38 Mr '65.
- Epidemiology of epidemic hepatitis (Botkin's disease). Sh. S. Khalifa, F. N. Gerbutz. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:11-16 Mr '65.
- Harmlessness of  $\gamma$ -globulin prepared from serum mixtures including solitary sera from infectious hepatitis patients and reconvalescents. N. F. Kazachenko. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:67-69 Ja '65.
- Planned  $\gamma$ -globulin prophylaxis of Botkin's disease with consideration of the duration of the induced immunity. D. E. Ziblatov, A. V. Kiselev. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:116-122 Mr '65.
- Significance of the determination of cholate cholesterol coefficient and biliary acid salts for the diagnosis of liver function in Botkin's epidemic hepatitis. A. N. Ardamaleskaya. *Sov. med.* 28 no. 4:41-44 Ap '65.

## HEPTENE-THERMODYNAMICS

- Composition of an equilibrium mixture of n-heptenes at 450°. E. S. Morikova, M. I. Rozengart. *Izv. AN SSSR. Ser. khim.* no. 6:1018-1021 '65.

## HERBICIDES

- Chemical weed control in corn fields. K. A. Galkin. *Trudy GSKH* 9:102-108 '65.
- Dalapon and diuron in cotton fields. M. Makhai, Zashch. rast. ot vred. i bol. 10 no. 4:31-32 '65.
- Derivatives of triazine and urea in potato plantings. Kh. Pekon'o, A. Bogdanovskii, S. Trishkin. *Zashch. rast. ot vred. i bol.* 10 no. 4:27-28 '65.
- Extermination of shrubs and meadow weed plants using herbicides in the Ob' Valley. S. D. Shumilov. *Vest. sel'khoz. nauk* 8 no. 8:47-52 Ag '63.
- From the practices in the use of poisonous chemicals. P. Golenko and others. *Zashch. rast. ot vred. i bol.* 10 no. 5:25-27 '65.
- Movement of herbicides in the soil. I. I. Bychenko. *Khim. v sel', khoz.* 3 no. 5:38-40 My '65.
- Physiological activity of some new derivatives of aryloxyalkylcarboxylic acids. L. A. Bakumenko and others. *Khim. v sel', khoz.* 3 no. 5:50-53 My '65.

## HERBICIDES (Continued)

- Protect four vineyards from herbicides P. Nikolayev, Zashch. rast. i vred. i bol., 10 no. 4 43 '65.  
Results of testing blurt as a herbicide in Donetsk Prov., Ukraine, I. I. Litvinov, Khim. i sel'khoz., 3 no. 4 49-53 Ap '65.  
Results of testing herbicides in sunflower fields, A. I. Lutsenko, Khim. i sel'khoz., 3 no. 5 41-46 My '65.  
Use of herbicides in an orchard T. I. Kuryndina, Sbor. nauch. rab. NIIsad., no. 10 105-108 '64.  
Use of herbicide in weed control of potato fields on peat-bog soils S. I. Tarasovich, Vestn. AN BSSR, Ser. sel'sk. nay., no. 4 67-70 '64.  
Use of mineral fertilizers and herbicides in meadows of the taiga borderland in Western Siberia, I. I. Zagrebayev, V. S. Nikiforov, Khim. i sel'khoz., 3 no. 5 16-17 My '65.

## HEREDITY

- Plokhinskii, N. A. [Heritability] Nasleduemost'. Otv. red. Z. S. Mukoro, [Novosibirsk] Red. i zd. otdel. Sibirskogo otd. nra AN SSSR, 1964 193 p. (DHAL)

## HEREDITY OF DISEASE

- Akademii meditsinskikh nauk, SSSR, Moscow. Institut eksperimental'noi meditsiny, [Problems of medical genetics] Problemy meditsinskoi genetiki, Pod red. D. A. Biriukova, [Leningrad] Meditsina, 1955, 246 p. (DNLN)

- Familial psoriasis R. F. Fedorovskaya, Vest. dermat. i ven. 33 no. 6 16-21 Je '64.

- Problems of heredity in hepatocerebral dystrophy (Wilson-Westphal-Konovalov's disease), R. A. Tkachov and others, Zhur. nevrolog. i psikh., 55 no. 6 801-809 '65.

## HERMAPHRODITISM

- Testicular feminization syndrome as a form of male pseudohermaphroditism, I. G. Golubeva, A. L. Kuzn., Probl. endok. i gorm., 10 no. 4 17-21 Ji-Ag '64.

## HERNIA

- Strangulated hernia in elderly persons O. I. Vinogradova, E. I. Fildus, Trudy Inst. im. N. V. Sklif. 9:38-13 '63.

## HERNIA—COMPLICATIONS AND SEQUELAE

- Role of dispensary service for surgical patients in the reduction of lethality in strangulated hernia, V. V. Zavalov, Sov. med., 28 no. 4 142-144 Ap '65.

## HERPES ZOSTER

- Herpes zoster in rheumatoid arthritis patients J. Vachtenheim, Vest. dermat. i ven., 33 no. 6 26-29 Je '64.

## HERRING

- (see also subdivision under Atlantic Ocean; North Sea)  
V. A. Kuznetsov's method for preparing slightly salted herring, T. I. Makarova, B. I. Shlimovich, Ryb. khoz. 41 no. 5 63-66 '65.

## HERRING FISHERIES

- (see also subdivision under Azov, Sea of; White Sea)  
Efficient organization of ocean herring fisheries, N. A. Voskresenskiy, B. A. Digoev, Ryb. khoz. 41 no. 5 27-30 '65.

## HERTZ, HEINRICH RUDOLPH, 1857-1894

- H. R. Hertz, on the seventy-fifth anniversary of his scientific work, A. A. Khomlakov, Trudy VZEI no. 26; 3-23 '64.

## HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

- Important stage in the development of A. I. Herten's historical and literary views during the 1850's, N. A. Glagolev, Vest. Mosk. un. Ser. 7: Filol., zhur., 20 no. 1; 3-12 Ja-F '65.

- Linkov, I. A. [A. I. Herten and N. P. Ogarev's revolutionary struggle and the secret society "Land and Liberty" in the 1860's] Revoliutsionnaya bor'ba A. I. Gertsena i N. P. Ogareva i taingo obshchestvo "Zemlia i Volia" 1860-kh godov, Moskva, Nauka, 1964, 474 p.

## HESS, RUDOLF, 1894—DRAMA

- Characterization of Rudolf Hess, Lev. Slavin, Teatr. 26 no. 6 158-160 Je '65.

## HETEROCYCLIC COMPOUNDS

- Mutual transformations of six-membered heterocycles containing sulfur, nitrogen, and oxygen, S. A. Vartanian, A. S. Noravian, V. N. Zhamagoratsian, Izv. AN Arm. SSR, Khim. nauch. 17 no. 4 436-440 '64.  
Reactions of reedol atoms of tritium and C-14 with heterocyclic amines, E. N. Avdonina and others, Radiokhimiya, 7 no. 2 220-227 '65.  
Synthesis and study of new complexes containing heteroatoms in cyclic compounds, N. M. Diatlova and others, Trudy IREA no. 25; 83-90 '63.

## HETEROSIS

- Heterosis in crossing self-pollinated lines of corn, V. L. Golodkovskiy, S. P. Patkhulaev, Uzb. biol. zhur., 9 no. 1; 62-66 '65.

## HEXAMID

- Toxicology of the repellent hexamid (P-101), V. F. Gusev, A. A. Stupnikov, Veterinarina, 11 no. 6 112-113 Je '61.

## HEXAMID—TOXICOLOGY

- Toxicology and the repellent use of hexamid in animal husbandry, G. F. Gusev and others, Veterinarina, 42 no. 6 88-89 Je '65.

## HEXANE

- Dehydrogenation of n-hexane on molybdenum-sulfide catalysts, R. I. Tolataiko and others, Neft i gaz. prom., no. 2 53-51 Ap-Je '65.

## HEXANE—ELECTRIC PROPERTIES

- Role of polarization effects in measuring the pulse conductivity and the breakdown strength of n-hexane, P. K. Mityayev, O. O. Protopopov, Ukr. fiz. zhur., 10 no. 3 342-343 Mr '65.

## HEXANEDIAMINE

- Electrochemical synthesis of hexamethylenediamine and amino capronitrile, A. P. Tomilov and others, Khim. prom., 41 no. 5 329-333 My '65.

## HEXANENTRILE

- Electrochemical synthesis of hexamethylenediamine and amino capronitrile, A. P. Tomilov and others, Khim. prom., 41 no. 5 329-333 My '65.

## HEXANOIC ACID

- Complex formation of thorium with 8-hydroxyquinoline and caproic acid, N. P. Rudenko, I. N. Kremenskaya, V. N. Avilina, Zhur. neorg. khim., 10 no. 5 1160-1165 My '65.

- Reaction of trivalent thallium with nitrotriacetic acid, F. I. A. Kul'ba, I. A. Makashev, Zhur. neorg. khim., 10 no. 5 1172-1178 My '65.

## HEXOBARBITAL

- Effect of preparations from Aconitum Fischeri on the duration of hexenal narcosis, L. A. Filimonova, Trudy Inst. fiziol. AN Kazakh. SSR, 7:17-19 '64.

## HEXOKINASES

- Hexokinase and glucokinase in cell fractions of the liver and muscles of sucklings during hibernation and awakening, G. M. Daudova, N. G. Stepanova, Zhur. evol. biokhim. i fiziol., 1 no. 1 32-37 Ja-F '65.

## HEXONIUM

- Effect of a ganglionic block induced by hexonium and dioxine on the sensitivity of the organism to acute blood loss, A. F. Denisov, Pat. fiziol. i eksp. terap., 8 no. 6 79-80 N-D '64.

## HEXYNOL

- Complexes of chromium and iron chlorides with 1-dimethylamino-5-methyl-2-hexyn-5-ol, S. N. Avakian, Zhur. ob. khim., 35 no. 5 934 My '65.

## HIbernation

- Study of fat in animals in deep hibernation, A. D. Popov, P. D. Mazhdakov, Biokhimiya, 29 no. 4; 643-646 Ji-Ag '64.

## HIDES AND SKINS

- Effect of the unhairing methods on the properties of the products of the solute of sheepskin derma, S. A. Kaspar'iants, I. S. Shestakova, N. G. Pozdnjakova, Nauch. trudy MTILP no. 30; 3-8 '64.

- More on the quality of hides, L. Mitrofanova, Sov. potreb. koop. 8 no. 5 11-14 My '65.

## HIDES AND SKINS—STANDARDS

- [Undressed Karakul and Krimmer lamb pelts] Karakulovo-smushkovoe syr'e, Izd. ofitsial'noe, Moskva, Izdvo Standartov, 1965, 39 p. (SSSR, Gosudarstvennye standarty)

## HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

## HIGH PRESSURE RESEARCH

- Absorption and velocity of longitudinal and transverse elastic waves in rock samples at hydrostatic pressures up to 4000 kg/cm<sup>2</sup>, A. I. Levykin, Izv. AN SSSR, Fiz. zem., no. 2; 21-27 '65.

## HIGHER EDUCATION see Education, Higher

## HIGHWAY RESEARCH

- By-roads and belt-line highways; technical and economic substantiation, D. A. Vukla, Avi. dor., 28 no. 2; 25-26 F '65.

## HIKMET, NAZIM, 1902-1963

- About Nazim Hikmet, I. Shok, Teatr. 26 no. 4; 60-71 Ap '65.

## HILBERT SPACE

- G-isometric and J-semiunitary operators in Hilbert space, I. S. Tokhyndov, Usp. mat. nauk, 20 no. 3; 175-181 My-Je '65.

- Solution of a linear problem on minimizing the quadratic functional in Hilbert space, A. I. Buzanov, V. V. Khomeniuk, Avtom. i telemek. 20 no. 4; 615-620 Ap '65.

## HINDI LANGUAGE—WORD FREQUENCY

- Preliminary data on word frequency in the language of the Hindi press, A. I. Kononovskiy, Nauch. trudy TashGU no. 247, Filol. nauch. no. 28 71-81 '64.

## HINDI NEWSPAPERS

- Preliminary data on word frequency in the language of the Hindi press, A. I. Kononovskiy, Nauch. trudy TashGU no. 247, Filol. nauch. no. 28 71-81 '64.

## HISTIDINE

- Effect of histidine and other chelating agents on the activity of 3-phosphoglycerate dehydrogenase from the muscles of a rabbit, N. K. Nagachuk, Zh. khimii, 30 no. 1; 50-57 Ja-F '65.

- Reactions of N-imidazolacetyl derivatives of histidine with serine derivatives, M. M. Bolvinik, I. M. Kononova, Zhur. ob. khim., 35 no. 6 1121-1123 '65.

## HISTIDINE DECARBOXYLASE

- Purification and crystallization of microbial histidine decarboxylase, L. A. Semina, S. R. Mardashev, Zh. khimii, 30 no. 1; 100-106 Ja-F '65.

## HISTOCHEMISTRY

- Comparative characteristics of the peripheral parasympathetic and sympathetic nerve fibers according to the distribution and activity of cholinesterase, histochemical data, E. K. Pechukova, Trudy Inst. fiziol. AN SSSR, 7:70-72 '64.

- Comparative cytochemical study of the neurons of the thoracic portion of the autonomic sympathetic ganglia, V. F. Bakhova, Arkh. anat., gist. i embriol., 48 no. 4 24-32 Ap '65.

- Cytochemistry of protein substances in leucocytes, M. G. Shubich, Arkh. anat., gist. i embriol., 48 no. 4 33-37 Ap '65.

- Histochemical changes in submaxillary glands of rats in alloxan diabetes, E. A. Shubnikova, L. P. Chernikova, Probl. endok. i gorm., 10 no. 4; 69-73 Ji-Ag '64.

- Histochemical methods in electron microscopy, I. A. Pevzner, Arkh. anat., gist. i embriol., 48 no. 4 33-37 Ap '65.

- Histochemical studies of hog cholera and paratyphoid fever in swine, M. S. Zhiakov, Veterinarina, 42 no. 5 50-58 My '65.

- Histochemical study of the development of the organ of Corti in mammals, L. K. Titova, Arkh. anat., gist. i embriol., 48 no. 4 32-39 Ap '65.

- Histochemical study of the enzymes in the diploid and polyploid cells of the liver, N. T. Bakhilina, S. M. Ivanova, V. A. Boudskiy, Biol. eksp. biol. i med., 7 no. 6; 110-113 Je '65.

- Histochemical study on nucleic acids, glycogen and lipids of the liver in experimental acute alcohol intoxication, I. U. K. Eletskiy, Arkh. anat., gist. i embriol., 48 no. 4 58-63 Ap '65.

- Histochemistry of the olfactory organ, A. A. Boudskiy, Arkh. anat., gist. i embriol., 48 no. 4 100-106 Ap '65.

- Synthesis, properties, and use in histochemistry of tetrazolium salts with electron-acceptor substituents, A. A. Prishchikov, V. M. Ostroukhin, N. T. Bakhilina, Trudy DINA no. 26; 139-148 '63.

## HISTOLOGY

- Changes in the cells of the mammary gland in rats during pregnancy, lactation and hormonal stimulation, L. A. Suetina, Arkh. anat., gist. i embriol., 48 no. 4 14-17 Ap '65.

- Changes in the ultraviolet and blue fluorescence in the hepatic cells in white rats in the early convalescent period, E. M. Pilyuchik, M. V. Kadriyeva, Arkh. anat., gist. i embriol., 48 no. 4 49-53 Ap '65.

- Histological changes in pemphigus and Dermatitis herpetiformis, G. S. Tsovaldis, Vest. dermat. i ven., 33 no. 6 10-16 Je '64.

- Review of L. I. Gromov and N. A. Milinaeva's book "Manual of histology," V. S. Shandrov, A. I. Mikheev, Sud.-med. ekspert. 3 no. 2; 60-61 Ap-Ja '66.

- Some submicroscopic structures of the thyroid cell, M. F. Gorbunova, Arkh. anat., gist. i embriol., 48 no. 4 41-44 Ap '65.

## HISTOLOGY, PATHOLOGICAL

- Fibrous structures of the lung in influenza and bacterial pneumonias, N. E. Botman, Sbor. nauch. trud. Inst. infek. bol. no. 4; 80-103 '64.

- Pathology of the respiratory tract in the "Spanish" and contemporary influenza, N. E. Botman, Sbor. nauch. trud. Inst. infek. bol. no. 4; 91-97 '64.

## HISTONES

- Possible role of histones in controlling glycolysis in the thymus nuclei, V. L. Nemchinskaya, L. Sh. Ganelina, A. D. Braun, Biokhimiya, 30 no. 1; 33-38 Ja-F '65.

## HISTORIANS

- Our authors, Sred. veka, no. 26; 238 '64.

## HISTORICAL MATERIALISM see Dialectical materialism

**HISTORICAL MUSEUMS** see sub. (v) under Taganrog

## **HISTORICAL RESEARCH**

Annual General Meeting of the Department of History of the Academy of Sciences of the U.S.S.R. IU V. Bromlei, V. I. Neupokoev. Vop. ist. 40 no. 6:140-151 Je '65.

## **HISTORY—BIBLIOGRAPHY** see Bibliography—History

## **HISTORY—CONGRESSES**

International conference of historians. A. V. Basov. Mor. sbor. 18 no. 6:96 Je '65.

## **HISTORY—PHILOSOPHY**

Recurrence in history. E. M. Shtraiman. Vop. ist. 40 no. 7:3-20 Ji '65.

## **HISTORY, MODERN—STUDY AND TEACHING**

Markov, A. S. [Using political cartoons in modern history classes; a teacher's manual] *Ispol'zovanie politicheskikh karikatur na urokakh novoy istorii, posobie dlia uchitelia*. Moskva, Prosveshchenie, 1964, 95 p. (NNC)

## **HODGKIN'S DISEASE**

Effect of catalase on the growth of a transplanted lymphosarcoma and on some aspects of metabolism. S. E. Manolov, V. I. Zheleznov. Vop. onk. 10 no. 12:42-44 '64.

Some indices of natural immunity in lymphogranulomatosis patients. N. S. Pet'kov, Nguyen Tkhe Kham. Vop. onk. 11 no. 1:25-30 '65.

## **HODOGRAPH**

Characteristics of wave hodographs in media with varying velocities divided by a vertical boundary. I. R. Obolentseva. Geol. i geofiz. no. 3:115-127 '65.

## **HOG CHOLERA**

Histochemical studies of hog cholera and paratyphoid fever in swine. M. S. Zhakov. Veterinarnia 42 no. 5:55-58 My '65.

## **HOISTING MACHINERY**

Automatic clamp for pipes and ingots. P. V. Knysh. Mashinostroenie no. 2:35 Mi-Ap '65.

Hoists used in the maintenance of motor vehicles. V. Gushits. Avt. transp. 43 no. 8:48-49 Je '65.

Most hoist. III. I. Spasnikii. Nov. tekhn. zhil. i kom. khoz. Zhil. khoz. no. 2:111-118 '63.

Mobile electromechanical lifter for loading a press. D. L. Naumov. Bum. i der. prom. no. 2:3-6 Ap-Je '65.

S-307 lifter for building operations. A. A. Novatskii, A. F. Koval'skii. Mekh. stol. 22 no. 2:28-29 F '65.

## **HOISTING MACHINERY—ELECTRIC DRIVING**

Mekler, A. G. [Electrical equipment of hoisting and conveying machinery] *Elektricheskoe udozhanie pod'emno-transportnykh mashin*. Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1965, 534 p.

## **HOLLAND** see Netherlands

## **ROLMIUM ISOTOPES—DECAY**

Decay of  $\text{Ho}^{161}$ . A. A. Abdurazakov and others. Izd. fiz. 1 no. 6:951-957 Je '65.

## **HOME AND SCHOOL**

Elizaveta Fedorovna. IU. Rives. Sem'ia i shkola 20 no. 4:22-24 Ap '65.

Friends of a kindergarten. V. Zakhvatova. Doshk. vosp. 38 no. 6:73 Je '65.

Let's vary the ways of pedagogical propaganda. V. Burakova. Doshk. vosp. 38 no. 6:56 My '65.

Ovchinnikova, I. G., and I. E. Sivashinskii. [How to help children to study] *Kak pomoch' detiam učit'sia*. Moskva, Znanie, 1965, 77 p. (Narodnyi universitet: Pedagogicheski fakul'tet, no. 4)

Parents must possess this knowledge. M. Zhuiko. Doshk. vosp. 38 no. 5:57 My '65.

Teacher, students and parents. D. Moro'ov. Nav. obr. no. 6:48-50 Je '65.

Useful and timely. A. Vasilina. Doshk. vosp. 38 no. 4:56-57 Ap '65.

Who should teach children? V. Morgunova. Sem'ia i shkola 20 no. 4:27-28 Ap '65.

## **HOME ECONOMICS**

Interesting, useful and necessary. N. D. Belikov. Nach. shkola 33 no. 6:50-54 Je '65.

## **HOME ECONOMICS—ACCOUNTING**

Distribution of public consumption funds and their influence on the family budget. V. I. A. Lion. Vest. Mosk. un. Ser. 8: Ekonom., filoz. 20 no. 2:11-20 Mi-Ap '65.

Methodology of compiling a balance of the population's monetary income and expenditures. P. Nahirniak. Ekon. Rad. Ukr. 8 no. 6:61-68 Je '65.

## **HOMOGRAFTS**

Discovery of fixed antibodies on the cells of skin homografts. E. A. Zolnikov and others. Pat. fiziol. i eksp. terap. 8 no. 6:52-55 N-D '64.

## **HOMOSTEROIDS**

Reduction of some D-homosteroids with an aromatic ring A by alkali metals under conditions of Birch's process. Part I. V. M. Rzhiznikov, S. N. Ananchenko I. V. Torgov. Khim. prirod. soed. no. 1:7-15 '65.

## **HONING—EQUIPMENT AND SUPPLIES**

Honing head. A. Shcheslavskii. Avt. transp. 43 no. 6:17 Je '65.

## **HOOKWORM DISEASE** see subdivision under Karakul' District

## **HOOVER, JOHN EDGAR, 1895-**

The American "secret police" and its chief. A. Bel'kov. Kommunist 42 no. 11:108-116 Ji '65.

## **HORMONE THERAPY**

Hormone therapy of bronchial asthma. P. L. Sukhinin, E. A. Kivliskala. Trudy Inst. im. N. V. Sklif. 5 no. 2:124-129 '62.

Treatment of multiple myelomas with sarcosylsine, ACTH and corticosteroids. A. N. Chigirinskii. Vop. onk. 11 no. 3:118-121 '65.

## **HORMONES**

Effect of some hormonal factors on the lipolytic activity of the adipose tissue and on the serum content of non-esterified (free) higher fatty acids under normal conditions and in alloxan diabetes. N. K. Davtian. Probl. endok. i gorm. 10 no. 4:84-89 Ji-Ag '64.

Effect of some toxic irritants on hormonopolesis in chromaffin organs. N. M. Kovrizhko. Probl. endok. i gorm. 10 no. 5:84-98 S-O '64.

Induction of immunological tolerance to protein hormones. V. M. Dill'man, B. N. Sofronov. Vop. onk. 11 no. 3:61-63 '65.

## **HORSE BREEDING**

Conception and duration of pregnancy in the mares of the Soviet draft type breed. N. N. Andrianov. Trudy CSKNI 9:224-232 '58.

## **HORSE BREEDS** see subdivision under Kazakhstan

## **HORSEFLIES** see subdivision under Siberia, Western

## **HORSEFLIES—EXTERMINATION**

Protecting reindeer against horseflies. V. A. Poliakov. Veterinarnia 42 no. 5:91-92 Je '65.

## **HORSES—DISEASES AND PESTS**

Treatment of horses with pitechial fever. N. S. Niurkin. Veterinarnia 41 no. 6:83 Je '64.

## **HOSPITALS—OUTPATIENT SERVICES**

Role of dispensary service for surgical patients in the reduction of lethality in strangulated hernia. V. V. Zavalov. Sov. med. 28 no. 4:142-144 Ap '65.

## **HOT-WATER HEATING**

Hydraulic characteristics of welded radiator units of single-pipe systems of hot-water heating. P. P. Rokhlov, N. N. Vatolin, V. G. Zavadskii. Izv. vys. ucheb. zav. stroit. i khit. 8 no. 2:84-85 '65.

Single-pipe systems of hot-water heating with low settling of mains for increased heat transmission of heat carriers. V. A. Shmidt. Nov. tekhn. zhil. i kom. khoz. Zhil. khoz. no. 2:61-71 '63.

## **HOURS OF LABOR**

Zenkov, L. F. [Establishing technical standards for strip mining operations] *Tekhnicheskie normirovaniye na opertykh gornykh rabotakh*. Moskva, Nedra, 1964, 239 p.

## **HOUSE PLANTS**

House plants. P. Solov'eva. Doshk. vosp. 38 no. 5:20 My '65.

## **HOUSING** see subdivision under Leningrad; Moscow; Vorkuta (Komi A. S. S. R.)

## **HOUSING—LAW AND LEGISLATION**

Enforced exchange and litigation concerning the exchange of jointly used living space. IU Rakhmalevich. Sov. iust. 29 no. 8:12-13 Ap '65.

Exchange of living space under the new civil law. D. Vatman, A. Mal'ghova. Sots. zakon. 42 no. 6:23-27 Je '65.

Our replies to questions. Sov. iust. 29 no. 9:31 My '65.

## **HOUSING MANAGEMENT** see subdivision under Sevastopol

## **HRABOV'S'KYI, PAVLO ARSENOVYCH, 1864-1902—**

**BIBLIOGRAPHY** see Bibliography—Hrabov's'kyi, Pavlo Arsenovych, 1864-1902

## **HULLS (NAVAL ARCHITECTURE)**

Conference on the structural strength and safety of a ship's hull. A. N. Kiylova, V. E. Spil'o. Sudostroenie 30 no. 12:70 D '64.

## **HUMAN ENGINEERING**

Improved conditions of the work of dispatchers. G. A. Platonov. Zhel. dor. transp. 47 no. 6:33-35 Je '65.

## **HUMIC ACID**

Solubility of humic acids in alcohols. A. Margoul, P. Kondlik. Pochvovedenie no. 3:96-97 Mr '65.

## **HUMIC ACID—ANALYSIS**

Determining acid groups in humic acids and some other organic compounds. I. V. Avgushevich, N. M. Karavaev. Pochvovedenie no. 4:97-103 Ap '65.

## **HUMIDITY** see subdivision under Arctic regions; Azerbaijan

## **HUMIDITY—MEASUREMENT**

Use of an electronic film transducer for measuring air humidity. A. M. Baklaev and others. Izv. vys. ucheb. zav., energ. 8 no. 5:120-123 My '65.

## **HUMUS**

(see also subdivision under Arye' Valley)

Reaction of ammonium humate with  $\text{Ca}_3(\text{PO}_4)_2$ . I. Tuh'sanov, M. N. Nobilev. Uzb. khim. zhur. 9 no. 1:5-7 '65.

## **HUNGARY—ALGAE**

Studies of microscopic algae; papers of the Sixth Congress of Hungarian Biologists. S. V. Gortunova. Mikrobiologiya 34 no. 2:380-382 Mr-Ap '65.

## **HUNGARY—BALLET**

Roads of the Hungarian ballet. G. Chelombi'ko. Teatr 26 no. 5:153-156 My '65.

## **HUNGARY—DESCRIPTION AND TRAVEL**

Between the Danube and the Tisza. I. Konstantinovskii. Nov. vrem. 23 no. 28:24-26 Ji '65.

A month in fraternal Hungary. A. Romanychev. Iskusstvo 28 no. 4:46-48 '65.

## **HUNGARY—ECONOMIC CONDITIONS**

In the spirit of fraternal friendship. D. Tallos, Vnesh. torg. 45 no. 6:7-12 '65.

## **HUNGARY—EDUCATION, HIGHER**

Hungarian institutions of higher learning today (from the pages of the periodical "Felsoktatási Szemle"). L. Nikitin. Vest. vys. shkoly 23 no. 6:89-91 Je '65.

## **HUNGARY—FOREIGN ECONOMIC RELATIONS—RUSSIA**

In the spirit of fraternal friendship. D. Tallos, Vnesh. torg. 45 no. 6:7-12 '65.

## **HUNGARY—ICE ON RIVERS, LAKES, ETC.—RESEARCH**

Hungarian studies on problems of ice research. F. I. Bydin. Trudy Transp. i energ. inst. Sib. otd. AN SSSR no. 15:140-142 '64.

## **HUNGARY—PHYSICAL EDUCATION AND TRAINING**

Success of the physical education movement in the Hungarian People's Republic. E. S. Gromadskii. Teor i prakt. fiz. kul't. 28 no. 6:39-42 Je '65.

## **HUNGARY—PLANTS, PROTECTION OF—RESEARCH**

Hungarian Institute of Plant Protection. V. Iakhontov. Zashch. rast. ot. vred. i bol. 10 no. 5:57 '65.

## **HUNGARY—RELATIONS (MILITARY) WITH RUSSIA**

Inviolable friendship. I. Lakatos. Komm. Vooruzh. Sil 46 no. 8:67-68 Ap '65.

## **HUNGARY IN LITERATURE AND ART**

A month in fraternal Hungary. A. Romanychev. Iskusstvo 28 no. 4:46-48 '65.

## **HUSA, VÁCLAV**

In memory of Václav Husa. I. I. Udalt'sev. Sov. slav. no. 2:127 '65.

## **HUTTEN, ULRICH VON, 1488-1523**

Sociopolitical views of Ulrich von Hutten. V. M. Volodarskii. Sred. veka no. 26:54-70 '64.

## **HYBRID CORN**

Hybrids on a sterile basis. V. E. Kozubenko. Priroda 54 no. 6:67-68 Je '65.

## **HYDANTOIN**

3-Methyl-thio-hydantoin of amino acids. Part 3: Synthesis and properties of 3-methyl-2-thiohydantoin of basic amino acids, threonine, cysteine, and S-carboxymethylcysteine. V. M. Stepanov, V. F. Krivitsov. Zhur. ob. khim. 35 no. 6:982-986 Je '65.

## **HYDANTOIN—SPECTRA**

Synthesis of thiazolidone derivatives of biological interest. Part 2: Infrared absorption spectra of pseudothiazolidone and 2,4-thiazolidinedione. N. M. Turkevich, A. F. Minka. Zhur. ob. khim. 35 no. 5:884-885 My '65.

## **HYDATIDS**

Use of tepal (thymol ester of palmitic acid) in echinococcosis in man. N. N. Pleinikov and others. Sov. med. 28 no. 4:120-126 Ap '65.

## **HYDRATASES**

Biosynthesis of valine and isoleucine in wheat sprouts' dihydroxy acid dehydratase. Z. A. Kagan, G. Chotshner, V. L. Kretovich. Biokhimiya 29 no. 4:824-835 Ji-Ag '64.

## HYDRATES

Infrared absorption spectra of sodium metasilicate hydrates. M. G. Manvelyan, G. G. Babayan, S. A. Gazarian. Izv. Akad. Nauk SSSR Khim. Nauk 17 no. 4:375-380 '64

## HYDRATION

Hydration of aluminum-containing clinker minerals in the presence of potash. I. U. M. Butt, V. M. Kolbasov, A. V. I. Agouda. Izv. Vys. ucheb. zav., Khim. i Khim. tekhn. 8 no. 1:111-117 '65.

Hydration of vinylacetylene to methyl vinyl ketone by means of sulfuric acid solutions of cuprous oxide. Part 1. Solubility of vinylacetylene in sulfuric acid solutions of cuprous oxide. N. G. Karapetian, A. S. Tarphanian, A. N. Litvinova. Izv. AN Arm. SSR Khim. Nauk 17 no. 4:373-376 '64

## HYDRAULIC CONTROL

Composite hydrodynamic modeling system. A. S. Tumakun. Trudy MINKHGP no. 52:85-92 '64

Scientific-technical conference on hydraulic drives and hydraulic control. A. F. Osipov. Vest. mashinost. 45 no. 5:22-23 My '65

## HYDRAULIC CONVEYING

Bernshtein, L. A. [New developments in the technology of working and transporting raw materials in the cement industry]. Novoe v tekhnologii pererabotki i transportirovaniya syr'ya v tsementnoi promyshlennosti. Moskva, Stroizdat, 1965. 191 p.

## HYDRAULIC ENGINEERING

Nafel'd, L. R. [Hydraulic engineering in city planning]. Gidrotekhnika v gradostroitel'stve. Moskva, Vysshaya shkola, 1965. 250 p.

Selecting the reinforcement for streams crossed by small bridges and pipes. G. G. Bogdanov. Transp. stroit. 15 no. 4:42-44 Ap '65.

## HYDRAULIC ENGINES

Effect of the number of motors on the rigidity of a hydraulic drive. I. N. Filatov. Trudy LPI no. 246:66-69 '65

## HYDRAULIC GATES

see Gates, Hydraulic

## HYDRAULIC JACKS

Hoisting jack for the exchange of motor truck units. V. Khotobov. Avi. transp. 43 no. 6:25-26 Je '65. Hydraulic jacks. Avi. transp. 43 no. 6:50-51 Je '65.

## HYDRAULIC MACHINERY

Approximate method for calculating velocities in the blades of a hydraulic torque converter. L. P. Griankov. Energomashinostroenie 11 no. 4:38-41 Ap '65

BKGM-63-2 hydraulic drill and crane for soil and meliorative surveying. B. A. Kalachev. Trudy Giprovodkhoz no. 25:38-40 '63

Dimensionless characteristics coefficients for hydraulic machines. S. A. Filippovich. Energomashinostroenie 11 no. 3:47-48, 3 of cover Mr '65

Effect of hydraulic losses on the cavitation characteristics of reversing hydraulic machines. A. N. Papir. Trudy LPI no. 246:53-56 '65.

Effect of the nonsteady flow of fluids on the torque of the turbine of a hydraulic torque converter. M. P. Branch. Izv. Vys. ucheb. zav., energ. 8 no. 5:93-97 My '65

Effect of the rubbing of the pump disk on the axial forces of a hydraulic torque converter. A. I. Kochkarev, V. F. Babkin. Trudy LPI no. 246:73-76 '65

Relationships of the power characteristics of reversing hydraulic units. A. N. Papir. Trudy LPI no. 246:57-63 '65

Selection of the first approximation for flow parameters in interwheel gaps of the hydraulic torque converter with axial turbine. L. P. Griankov, I. M. Pylev. Trudy LPI no. 246:77-85 '65

N. Gavrilov. Sov. shakhi.

presses. V. I. Andreev, 3:51-52 My-Je '65, the fluid on the speed ating mechanism, ENIKMAsha 11:135-142

L. [Modern hydraulic presy. Kyiv, Derzh-

vy-duty hydraulic presses. mashinost. 45 no. 5;

ND CONSTRUCTION bending moments acting the columns of large ch. trudy ENIKMAsha

ulic presses from . Mashinostroenie

## HYDRAULIC STRUCTURES

Accuracy of determining the dynamic ice pressure on structures by the kinematic method. V. K. Morgunov. Trudy Transp. -energ. inst. Sib. otd. AN SSSR no. 15:116-132 '64

Kibal'chich, I. A. [Sanitary problems in the building of hydraulic structures]. Sanitarnye voprosy gidrostroitel'stva. Moskva, Meditsina, 1965. 245 p.

Results of full-scale determination of the dynamic ice pressure on structures by the kinematic method. V. K. Morgunov. Trudy Transp. -energ. inst. Sib. otd. AN SSSR no. 15:110-115 '64.

Some problems of the action of ice on structures of great length. K. N. Korzhayin. Trudy Transp. -energ. inst. Sib. otd. AN SSSR no. 15:60-66 '64.

## HYDRAULIC STRUCTURES—TERMINOLOGY

Classification of river regulation and shore protection structures. I. A. Melik-Bakhtamian. Trudy GPI [Gruz.] no. 7:109-113 '63.

## HYDRAULIC TURBINES

Adjustable-blade hydraulic turbines for high-pressures operation. V. E. Gol'din, A. N. Korovin. Energomashinostroenie 11 no. 3:21-23 Mr '65.

Analysis of the control modes of hydraulic turbines. E. V. Gutovskii. Trudy LPI no. 216:18-24 '65.

Breaking of the rotor bolts of a Francis-type hydraulic turbine. M. I. Babadzhanli. Energomashinostroenie 11 no. 3:45-46 Mr '65.

Characteristics of the inside surface of the blade of an axial-flow hydraulic turbine. B. A. Kantor. Energomashinostroenie 11 no. 3:41-43 Mr '65.

Chronology on the construction of hydraulic turbines in the Lenin Metalworking Plant (22d Congress of the CPSU). M. O. Poretskin. Energomashinostroenie 11 no. 3:44 Mr '65.

Consideration of water hammer in hydraulic turbine systems. I. N. Filatov. Trudy LPI no. 216:25-31 '65.

Construction of hydraulic turbines in the Ural Hydraulic Machinery Plant. B. A. Vakhrameev. Energomashinostroenie 11 no. 3:18-20 Mr '65.

Construction of regulators in the Leningrad Metalworking Plant (22d Congress of the CPSU). B. N. Shelopugin. Energomashinostroenie 11 no. 3:14-15 Mr '65.

Determination of the size of vacuum break valve for hydraulic turbines. M. I. Smirnov. Energomashinostroenie 11 no. 3:39-41 Mr '65.

Development of hydraulic turbines in the Leningrad Metalworking Plant (22d Congress of the CPSU) in the past 40 years and its future objectives. G. S. Shegolev. Energomashinostroenie 11 no. 3:1-3 Mr '65.

Fortieth anniversary of the construction of hydraulic turbines in the Leningrad Metalworking Plant (22d Congress of the CPSU). M. O. Poretskin. Energomashinostroenie 11 no. 3:43 Mr '65.

Horizontal adjustable-blade hydraulic turbines with high operating speed. A. A. Molotov. Energomashinostroenie 11 no. 3:23-27 Mr '65.

Manufacturing a hydraulic turbine for the Krasnoyarsk Hydroelectric Power Station. F. I. Slutskii, Blud. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 4:33-36 Ap '65.

Methods for studying cavitation erosion using hydraulic turbine models. V. G. Staritskii, A. I. Busyrev. Trudy LPI no. 246:69-72 '65.

Nomogram for calculating relative pressure changes in transient processes in hydraulic turbines. E. V. Gutovskii, V. U. Lamm, T. M. Lamm. Trudy LPI no. 246:13-17 '65.

Radial forces acting on the rotor of a model of a Francis turbine in steady operation. N. I. Zubarev. Trudy LPI no. 246:7-12 '65.

Research on the construction of hydraulic turbines at the Leningrad Metalworking Plant (22d Congress of the CPSU). F. V. Anosov, S. S. Kuzminskii, V. M. Malyshev. Energomashinostroenie 11 no. 3:3-8 Mr '65.

Results of tests under actual operating conditions designed to determine the power characteristics of the gate apparatus of adjustable-blade hydraulic turbines. N. P. Polushkin. Energomashinostroenie 11 no. 5:38-40 My '65

Some special features of the manufacture of turbines for the Krasnoyarsk Hydroelectric Power Station. G. A. Bronovskii, M. I. Gal'perin. Energomashinostroenie 11 no. 3:32-34 Mr '65.

Study of the effect of pressure and cavitation on pressure fluctuations behind the rotor wheel of a hydraulic turbine. I. U. M. Isaev. Trudy LPI no. 246:32-38 '65.

Universal model characteristics of the relative increments of hydraulic turbines. V. G. Zhuravlev. Energomashinostroenie 11 no. 5:44-46 My '65.

Use of plastics in hydraulic turbines. N. I. Pylov, V. I. A. Ponomarev. Energomashinostroenie 11 no. 3:34-36 Mr '65.

## HYDRAULIC TURBINES—BIBLIOGRAPHY

see Bibliography—Hydraulic turbines

## HYDRAULIC TURBINES—DESIGN AND CONSTRUCTION

Development of hydraulic turbine designs in the Leningrad Metalworking Plant (22d Congress of the CPSU). S. A. Granovskii. Energomashinostroenie 11 no. 3:10-14 Mr '65.

## HYDRAULIC TURBINES—EQUIPMENT AND SUPPLIES

Auxiliary equipment for hydraulic turbines. N. K. Baikov. Energomashinostroenie 11 no. 3:36-39 My '65

## HYDRAZIDES

Study of organic electrets. Part 1: Hydrazides of aromatic sulfonic acids. A. B. Dykhizhelava and others. Zhur. ob. khim. 35 no. 6:831-833 My '66.

Substituted hydrazides of hydroxy-carboxylic acids. Part 22. Halochlorides of arylhydrazides of diarylglycolic acids. I. S. Berdinskii, M. A. Kovalova. Zhur. ob. khim. 35 no. 5:676-679 My '66.

## HYDRAZINE

Catalytic decomposition of hydrazine over cerium(IV) oxide. V. M. Filatov. Khim. i tekhn. 6 no. 1:149-154 Ja '67

Rehydration of allylhydrazines. G. S. Gol'din, N. L. Ivanova. Zhur. ob. khim. 36 no. 5:911-913 My '66.

## HYDRAZINOLYSIS

Determination of C-terminal amino acid residues in plant proteins by the hydrazinolysis method. A. A. Frolova, V. I. Vokher, M. S. Roznichenko. Biokhimiya 20 no. 4:583-585 Ja '64.

## HYDRIODIC ACID

Kinetics and mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 4: Addition of hydrogen iodide to dimethyl ester of acetylenedicarboxylic acid in toluene, chloroform, and hexane. G. P. Dvorko, E. A. Shilov. Khim. i tekhn. 6 no. 1:37-40 Ja '67

## HYDROBIOLOGICAL RESEARCH

Underwater integrating photometer. I. L. Pyrina. Gidrobiol. zhur. 1 no. 2:61-67 '65.

## HYDROBIOLOGICAL SOCIETIES

First Congress of the All-Union Hydrobiological Society. L. A. Zenkovich. Gidrobiol. zhur. 1 no. 3:70-72 '65.

## HYDROBIOLOGY

(see also subcategory under Azerbaijan; Azov, Sea of, Caspian Sea; Volga Delta region)

Isotope exchange in the hydrobiological system and its significance. G. V. Barinov. Gidrobiol. zhur. 1 no. 2:27-34 '65.

## HYDROBIOLOGY—CONGRESSES

Congress of the All-Union Hydrobiological Society. N. I. Kashkin. Vest. AN SSSR 36 no. 5:100-110 My '65.

## HYDROCARBONS

Accumulation of hydrocarbons as the cause of explosions in air separators. M. D. Vekator. Khim. prom. [Ukr.] no. 2:81 Ap-Je '65.

Chromatographic analysis of the fraction C<sub>1</sub>-C<sub>4</sub>. V. A. Bessolchenko, L. V. Ivanova, S. I. Rabinovich. Neftener. i neftekhim. no. 1:37-38 '65.

Hydrodynamic conditions for the migration of liquefied hydrocarbons. N. V. Kulakov. Trudy NVNIGG no. 3:10-20 '64.

Introducing new processes in the production of aromatic hydrocarbons. R. G. Ivanov. Blud. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. 18 no. 5:54-55 My '65.

Laws of parameter distribution in the technological processes of the joint conversion of methane and hydrocarbon oxides. I. E. B. Bukharin, A. A. Stral'tsov. Khim. prom. [Ukr.] no. 2:70-72 Ap-Je '65.

Mechanism of thermal desulfuration of the hydrogen form of ion exchanger KU-2 in hydrocarbon media. N. G. Polianskii and others. Zhur. prikl. khim. 38 no. 4:800-808 Ap '65.

Migration of petroleum and differential interception of hydrocarbons. A. S. Zinger. Trudy NVNIGG no. 3:20-25 '64.

Obtaining benzene by the hydrogenation of the products of fuel pyrolysis. A. B. Vol'-Epshteyn and others. Khim. prom. 11 no. 5:325-328 My '65.

Separation of aromatic hydrocarbons from kerosene-gas oil fractions. V. S. Butyria and others. Khim. prom. [Ukr.] no. 2:20-22 Ap-Je '65.

## HYDROCARBONS—TESTING

Determining the heat resistance of polymers and hydrocarbon formations by means of the differential-thermal analysis method. D. M. Kolotylo, V. I. Misachko. Khim. prom. [Ukr.] no. 2:73-74 Ap-Je '65.

## HYDROCHLORIC ACID

Conductance of benzene solutions of hydrogen chloride and tetra-n-butyl ammonium chloride. N. M. Alpatova, I. U. M. Kessler, A. I. Gorbanev. Izv. AN SSSR, Ser. khim. no. 6:889-894 '65.





- HYDROLYSIS**  
Kinetics of the reactions of amines with hydroperoxides. Part 1. Mechanism of the reaction of cumene hydroperoxide with triethylamine. N. M. Bellerian, S. K. Grigor'yan, O. A. Chalyshin. Izv. AN Arm. SSR, Khim. no. 17, p. 6904-6912 '64.
- HYDROLYSIS**  
Inhibition of oxidation inhibitors and their reaction with hydroperoxides. E. G. Sklarova and others. Izv. AN Arm. SSR, Khim. no. 6, 1093-1095 '65.
- HYDROPONICS**  
The effect of installation for growing green forage. I. I. Koryagina, I. U. N. Lipo. Trakt i sel'khoz mash. 5, 44-53, My '65.
- HYDROQUINONE**  
Kinetics of electrochemical processes in the system quinone-hydroquinone. Part 1. Effect of specific adsorption of the reactants on the kinetics of reactions on a platinum electrode. I. A. Lu-an' [Yao Lu-an], H. H. Val'nev, V. S. Papisht, Elektrokhimiya 1 no. 2, 175-178 '65.  
Kinetics of electrochemical processes in the system quinone-hydroquinone. Part 2. Effect of the adsorption of particles participating in the reaction. I. A. Lu-an' [Yao Lu-an] and others. Elektrokhimiya 1 no. 2, 178-181 '65.  
Mixing diagram of the ternary system urea-hydroquinone- $\beta$ -naphthol. A. G. Falobekov. Zhur. obshch. khim. 35 no. 6, 939-941, Je '65.  
Direct relation between hydroquinone and  $\beta$ -naphthol in the ternary system urea-hydroquinone- $\beta$ -naphthol. A. G. Falobekov, A. G. Bergman. Zhur. obshch. khim. 35 no. 6, 940-945, Je '65.
- HYDROSPHERE**  
The hydro-sphere in the atmosphere and its role in the life of plants. M. A. Bogdanov. Trudy VNIRO 57, 43-47, 1964.
- HYDROSTATICS**  
Calculation of the effect of the hydrostatic factor on the measurement of the density of substances near the critical point. S. A. Ulybin, S. P. Malyshechenko. Teploenergetika 12 no. 3, 55-61, Mr '65.
- HYDROXYLIC ACIDS**  
The acids of  $\alpha$ -amino-hydroxy acids. L. N. Zil'berman and others. Zhur. obshch. khim. 35 no. 5, 857-860, My '65.
- HYDROXYL GROUP**  
Structural analysis of carboxylic compounds containing free hydroxyl groups. V. V. Korshak, S. V. Vinogradova, S. A. Papisht. Vysokomol. soed. 7 no. 4, 701-706, Ap '65.
- HYMENOLEPES**  
Biological aspects of the prophylaxis of hymenolepiasis in swine and geese. G. A. Kotelnikov. Veterinariya 41 no. 5, 63-65, My '65.  
Structure of the egg of a dwarf tapeworm. V. I. Chausov. Med. par. i parazit. bol. 33 no. 6, 745-746, N-D '64.
- HYPERGLYCEMIA**  
Hyperglycemic action of the blood serum in schizophrenia patients. L. Z. Gaskin. Zhur. nev. i psikh. 54 no. 11, 1761-1764 '64.
- HYPERONS**  
Applicability of an isobaric model simulating the formation of  $\Lambda$ -hyperons in  $\pi$ -p interactions. V. F. Vishnevskii and others. Izd. fiz. 1 no. 6, 1101-1105, Je '65.  
Vector constants of strange currents in the second approximation with respect to moderately strong interactions. V. I. Zakharov, V. I. Kobzarev. Izd. fiz. 1 no. 6, 1050-1053, Je '65.
- HYPERONS-DECAY**  
Multiplication of currents by the admittance  $\Delta T = 3/2$  in  $\Lambda$ -hyperon decay. L. I. Kobzarev, L. B. Okun'. Izd. fiz. 1 no. 6, 1134-1136, Je '65.
- HYPERPARATHYROIDISM**  
Visceropathic forms of hyperparathyroidism. V. A. Nikulina. Probl. endok. i gorm. 10 no. 4, 118-122, Ji-Ag '64.
- HYPERSONIC AERODYNAMICS** see Aerodynamics, Hypersonic
- HYPERSUSCEPTIBILITY** see Anaphylaxis
- HYPERTENSION**  
Characteristics of the electrocardiographic curve in myocardial infarction in hypertensive patients. O. N. Vinogradova. Trudy Inst. im. N. V. Sklif. 5 no. 2, 25-33 '62.  
Clinical and anatomical characteristics of myocardial infarction in hypertension. O. N. Vinogradova. Trudy Inst. im. N. V. Sklif. 5 no. 2, 17-25 '62.  
Conduction of myocardium and hypertension. A. A. Pukhina, A. L. Tregubov. Trudy Inst. im. N. V. Sklif. 5 no. 2, 221-224 '62.  
Functional state of the cortical analysors in hypertension. E. R. Lukashina. Trudy Inst. im. N. V. Sklif. 5 no. 2, 25-33 '62.
- Gastrointestinal blood circulation in hypertension.** V. S. Tindinik. Trudy Inst. im. N. V. Sklif. 5 no. 2, 50-54 '62.
- Histological changes in the vessels of the ganglia of the sympathetic nervous system in hypertension.** Sh. M. Alembekova. Trudy Inst. im. N. V. Sklif. 5 no. 2, 68-77 '62.
- HYPERTHYROIDISM**  
Functional state of the stomach in thyrotoxicosis. Tan Ven'-chuan [T'ang Wen-chang]. Probl. endok. i gorm. 10 no. 4, 33-40, Ji-Ag '64.  
Late results of treating thyrotoxicosis with 6-methylthiouracil and the state of the cardiovascular system. P. M. Boriak. Probl. endok. i gorm. 10 no. 5, 48-52, S-O '64.  
Pathomorphological characteristics of thyrotoxic encephalopathy. F. A. Aizenshtein, Zhur. nev. i psikh. 65 no. 6, 928-933 '65.  
Reaction of adrenals in rabbits with experimental thyrotoxicosis to the intravenous introduction of ACTH. M. A. Larina. Probl. endok. i gorm. 10 no. 4, 76-81, Ji-Ag '64.  
Respiratory arrhythmia in thyrotoxicosis. O. B. Mich. Probl. endok. i gorm. 10 no. 4, 54-59, Ji-Ag '64.  
Some indices of lipid metabolism in thyrotoxicosis. A. R. Zlatkina, V. P. Zhigalov. Probl. endok. i gorm. 10 no. 5, 33-37, S-O '64.  
Vectorcardiographic changes in thyrotoxicosis. N. A. Ivanova. Probl. endok. i gorm. 10 no. 4, 50-54, Ji-Ag '64.
- HYPERTROPHY**  
Influence of thyroid hormone on the renal function in the process of compensatory hypertrophy. V. A. Vasilenko. Fiziol. zhur. 51 no. 5, 601-606, My '65.
- HYPERVITAMINOSIS**  
Disorders in the permeability of the hematoencephalic barrier to  $p^{32}$  in rats in hypervitaminosis A. N. I. Mitashova. Trudy TSU 71, 221-225 '64.  
Permeability of the hematoencephalic barrier and the distribution of  $K^{42}$  in the organs of rats in hypervitaminosis A. N. I. Mitashova, A. B. Sokolov. Trudy TSU 71, 212-220 '64.
- HYPOTENSION**  
Zlotnik, E. I. [Hemostasis and controlled arterial hypotension in cerebral surgery] Gemostaz i upravlyaniya arterial'naya ipotoniya v raznoyeh khirurgii. Minsk, Izd-vo "Belarus", 1965. 130 p. (DNLN)
- HYPOTHALAMUS**  
Analysis of hypothalamic effects on coronary blood circulation. N. P. Smirnova, V. M. Volodin. Fiziol. zhur. 51 no. 4, 487-494, Ap '65.  
Changes in the electrical activity of the hypothalamus following stimulation of a sensory nerve and introduction of adrenaline. A. V. Tonkikh, A. I. Lipina, S. P. Teplov. Fiziol. zhur. 51 no. 6, 755-761, Je '65.  
Characteristics of the functional connections of various regions of the hypothalamus in rabbits. E. A. Gromova, K. N. Tkachenko, V. N. Provodina. Fiziol. zhur. 51 no. 6, 768-775, Je '65.  
Electrical activity of pressoreceptor neurons of the medullary reticular formation following the stimulation of hypothalamic pressoreceptors. O. V. Verzhilova, L. N. Kondrat'eva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7, 31-32 '64.  
Functional characteristics of the hypothalamus. E. A. Gromova, K. N. Tkachenko, V. N. Provodina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7, 37-38 '64.  
Galjan, A. A. [Some problems of the biochemistry of hypothalamic regulation] Nekotorye problemy biokhimii gipotalamicheskoi regulatsii. Brevan, Alastan, 1965. 234 p.  
Interaction of the hypothalamus and the reticular formation of the mesencephalon and thalamus in the mechanism of the selective ascending activation of the cerebral cortex in a state of physiological starvation. K. V. Sulakov. Fiziol. zhur. 51 no. 4, 448-456, Ap '65.  
Methodology of cooling and warming the hypothalamic region in chronic experiments on dogs. A. F. Kosenko. Fiziol. zhur. 51 no. 4, 520-522, Ap '65.  
Role of the adrenergic mechanisms in the origin of prolonged changes in the electrocardiogram and blood pressure following stimulation of the hypothalamus. S. I. Teplov. Fiziol. zhur. 51 no. 5, 554-563, My '65.
- HYPOTHERMIA**  
Ammonia - glutamic acid - glutamine system of the brain under the combined action of hypothermia and increased oxygen pressure. E. Z. Emirbekov. Ukr. biokhim. zhur. 36 no. 5, 673-678 '64.  
Prolongation of the period of reversible changes under the influence of cerebral hypothermia in serious blood losses. I. R. Petrov, K. A. Gerbut. Vest. khir. 93 no. 11, 3-9, N '64.
- HYSTERIA**  
From the office of a psychoneurologist. S. Fainberg. Doshk. voep. 38 no. 6, 63-65, Je '65.
- IAKOVLEV, KONSTANTIN IVANOVICH**  
It happened near Bozdino. Ch. Valentinov, N. Mikhlin. Kyrgyz. 10 no. 5, 10, My '64.
- ICE CREAM, ICES, ETC.**  
Ice cream. A. T. Smita. Sov. zhur. obshch. khim. 35 no. 5, 857-860, My '65.
- ICE CRYSTALS**  
Microscopic observation of ice formation in colloidal systems. A. A. Baydov, G. A. Kozlov, F. I. Zhur. 27 no. 2, 287-289, Mr-Apr '65.
- ICE ON RIVERS, LAKES, ETC.**  
(see also subdivision under Siberia; see also subdivision 'Ice' under Amur River, Novosibirsk Reservoir; Ob' River; Yenisey River)  
Accuracy of determining the dynamic ice pressure in structures by the kinematic method. V. K. Moiseyev. Trudy Trainsp. inzh. i stb. st. 13, 13-14, 13-14, 13 '64.  
Some problems of the action of ice on structures. K. N. Kuzhavin. Trudy Trainsp. inzh. i stb. st. 13, 13-14, 13-14, 13 '64.
- ICE REMOVAL**  
Use of chloride compounds for winter maintenance of urban streets. I. S. Mikhlin. Nov. tekhn. stb. st. 13, 13-14, 13 '64.
- ICE ROADS** see Roads, Ice
- ICHNEUMON FLIES**  
Lifetime and fertility of some species of ichneumon flies in connection with various feeding regimes of a fruit fly. M. I. Matveeva. Trudy TSU 71, 222-223 '64.
- ICTERUS (PATHOLOGY)** see Jaundice
- IDENTIFICATION**  
Identification of a person on the basis of marks on the site of the criminal act. V. I. Holmova. Uch. zap. Sots. zakon. 42 no. 2, 30-40, 1 '65.
- IGOSHEV, VLADIMIR**  
Paintings by Vladimir Igoshev. M. Sokolovskiy. Izv. stvo 28 no. 4, 33-37 '65.
- ILLUSTRATION OF BOOKS AND MANUSCRIPTS**  
Eye of the artist and vision of science. I. I. Val'kova. Iskusstvo 20 no. 4, 10-27 '65.
- IMAGE INTENSIFIERS**  
Direct on-the-cable operation of television tubes. A. I. Minenko. Tekh. khim. i telev. 9 no. 4, 10-14, Ap '65.  
Filming with light intensification. L. N. Goufman, P. V. Kalandrov. Tekh. khim. i telev. 9 no. 4, 10-14, Ap '65.  
Improving the video-operated motion-picture camera. L. I. Sheifin and others. Tekh. khim. i telev. 9 no. 4, 10-14, Ap '65.
- IMAGINATION**  
Changes in the higher nervous activity evoked by the visualization of a given image. L. I. Korotkin. Psich. vyzn. i psich. 54 no. 1, 103-110, N-D '64.
- IMAN VALLEY--BIRDS**  
Birds of the Iman River basin. V. P. Spangenberg. Sov. zhur. obshch. khim. 35 no. 5, 857-860, My '65.
- IMANIN**  
Development of the resistance of pyogenic Staphylococcus to imanin and novolmanin. V. O. Kudryavtsev, Mikrobiol. zhur. 27 no. 3, 405-411 '65.
- IMIDAZOLECARBOXAMIDE--THERAPEUTIC USE**  
Results of the study of the bioelectric activity of the brain with organic lesions during administration of ethylmorphine. I. S. Borodkin and others. Zhur. nev. i psikh. 64 no. 11, 1031-1035 '64.
- IMINES**  
Chelate compounds with optically active ligands. Part 4. Copper and nickel chelates with hydroxyphenylhydrazine and hydroxyketimines. A. I. Tarant'ev and others. Zhur. obshch. khim. 35 no. 6, 1101-1110, Je '65.
- IMMUNITY**  
Basic nonspecific protective factors against virus infections in a warm-blooded organism. A. A. Smirnov. Vop. vyzn. 9 no. 6, 587-597, S-O '64.  
Change in acquired immunity in paratyphoid infection at different periods following irradiation, an experimental study. V. A. Snopkova. Med. rad. 10 no. 2, 51-54, F '65.  
Characteristics of immunogenesis in tetraonid birds in a natural focus of tick-borne encephalitis. F. J. Korenberg and others. Med. parazit. i parazit. bol. 33 no. 6, 711-717, N-D '64.  
Distribution of erythrocytes in the blood as to their immune resistance in a healthy person. V. T. Poytova, M. F. Raibekas. Izv. SO AN SSSR no. 12, Ser. biol. i med. nauk no. 3, 127-132 '64.  
Duration of immunity to the Ag influenza virus. L. N. Rybnakina. Sbor. nauch. trud. Inst. infek. bol. no. 4, 55-63 '64.



## INDUCTION HARDENING (Continued)

Introducing induction hardening of small-diameter holes by means of "odferites". I. I. Berdichevskaya and others. *Biul. tekhn., ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 4 25-26 Ap '65.

Selecting inductors and systems for induction hardening of pistons. L. I. Mironov. *Zap. Len. sel'khoz. inst.* 85 82-85 '61.

Using induction furnaces in cast-iron shops. V. I. Troianovskii. *Mashinostroenie* no. 3 35-37 My-Je '65.

## INDUCTION HEATING

Application of high-frequency currents in the cementing of soles. V. S. Mentsov, S. S. Vasil'ev. *Nauch. trudy MTLP* no. 30 117-119 '64.

Introduction of an induction heating unit for the recrystallization of cold-drawn rod steel. V. G. Chikina, G. A. Khazina, N. P. Chernenko. *Biul. tekhn., ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5 7-10 My '65.

Romanovskii, S. G. [Induction drying by means of commercial frequency currents.] *Induktionsnaya sushka tovarov promyshlennoi chastoty.* Kiev, Gostekhzidat USSR, 1963. 119 p.

INDUSTRIAL BUILDINGS see subdivision under Ulyanovsk

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION (see also subdivision under Smolensk)

Conference on the quality of design and planning. *Tekhn. i inzh. telev.* 9 no. 6 92-93 Je '65.

INDUSTRIAL BUILDINGS—MAINTENANCE AND REPAIR Unit for washing shop windows in industrial plants. M. N. Puchkov. *Mashinostroenie* no. 3 72-73 My-Je '65.

## INDUSTRIAL CAPACITY

(see also subdivision under Ukraine)

Methodological problems of planning productive capacity. P. Bunch. *Plan. khoz.* 42 no. 6 31-39 Je '65.

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DESIGN see Design, Industrial

INDUSTRIAL DIAMONDS see Diamonds, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

## INDUSTRIAL ENGINEERING

Experimental methods for determining dynamic characteristics of industrial units and their comparison. A. G. Ablov. *Za tekhn. prog.* 5 no. 3 5-8 Mr '65.

Organization of the accounting for economic efficiency in planning and adapting new equipment and technological processes in industrial production. S. M. Iodlovich. *Biul. tekhn., ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5 48-47 My '65.

Progressive system of operation and production planning and accounting. M. V. Udaltov. *Shvein. prom.* no. 2 8-11 Mr-Apr '65.

## INDUSTRIAL EQUIPMENT

Improve the efficiency of assembly work. F. I. Akubovskii. *Ekon. stroit.* no. 5 1-9 My '65.

The output of machinery and equipment is increasing, and export potentialities expand. A. Kirillov. *Vnesh. torg.* 45 no. 5 3-5 '65.

Planning for the use of the capital assets of an enterprise. I. A. Ehin. *Ekon. i mat. metod.* 1 no. 2 249-255 Mr-Apr '65.

## INDUSTRIAL EQUIPMENT—DESIGN AND CONSTRUCTION

Economics of the installation of vertical apparatus. Z. Khazra. *Ekon. stroit.* no. 5 23-25 My '65.

This will accelerate and reduce the cost of construction. L. Byzer. *Ekon. stroit.* no. 5 21-23 My '65.

## INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Efficient organization of equipment repair is the most important source for labor saving in the machinery industry. I. I. Zotov. *Vest. mashinost.* 45 no. 5 76-77 My '65.

## INDUSTRIAL EQUIPMENT—TRANSPORTATION

This will accelerate and reduce the cost of construction. L. Byzer. *Ekon. stroit.* no. 5 21-23 My '65.

## INDUSTRIAL HYGIENE

(see also subdivision under Chelyabinsk Province; Krasnoyarsk; Kumertau, Bashkiria; Moscow; South Ural Economic region)

Air compressors. Okhr. truda i sots. strakh. 8 no. 5 42 My '65.

Experience with the prevention of epidermophytosis in industrial plants. L. A. Slonimskii, Z. I. U. Shlimonov, A. S. Luk'ianova. *Vest. dermat. ven.* 38 no. 6 86-88 Je '64.

Holiday of working people. Okhr. truda i sots. strakh. 8 no. 5 2-3 My '65.

Lenin's traditions live and get stronger. Okhr. truda i sots. strakh. 8 no. 4 1-2 Ap '65.

Practice answers the questions. B. Andreev. Okhr. truda i sots. strakh. 8 no. 4 4-5 Ap '65.

This important for their health. N. Komarova. Okhr. truda i sots. strakh. 8 no. 4 8-10 Ap '65.

Work and rest schedule for adolescents. I. A. Ainsol'di. Okhr. truda i sots. strakh. 8 no. 5 31-32 My '65.

Workshop "culture maps". I. Kunev. Okhr. truda i sots. strakh. 8 no. 4 6 Ap '65.

## INDUSTRIAL LAWS AND LEGISLATION

Laptev, V. V., ed. [Regulation of the national economy, articles.] *Voprosy regulirovaniia narodnogo khoziaistva, sbornik statei.* Moskva, Gos. izd-vo iurid. lit-ry, 1962. 188 p. (CSI-R)

[Legal problems of an industrial enterprise. Pravovye voprosy promyshlennogo predpriiatiia, Rostov-na-Donu, Izd-vo Rostovskogo univ., 1961] 130 p. [Title page wanting]

[MICROFILM]

## INDUSTRIAL MANAGEMENT

(see also subdivision under Armenia; Azerbaijan; Caucasus, Northern; Central Chernozem region; Dnepropetrovsk; Lvov Economic region; Vitebsk Province)

Business accounting and payment discipline. I. Mamono-va. *Den. i kred.* 23 no. 5 15-21 My '65.

For more efficient forms of management. *Plan. khoz.* 42 no. 6 67-73 Je '65.

Improving the system of production management. L. B. Presniakov. *Biul. tekhn., ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5 62-64 My '65.

Kruk, D. M. [Structure of an industrial enterprise and the ways to its improvement.] *Struktura promyshlennogo predpriiatiia i puti ee sovvershenstvovaniia.* Moskva, Ekonomika, 1965. 224 p.

Luk'ianov, A. N., and V. A. Rodionov. [Party and state control in industry.] *Partiino-gosudarstvennyi kontrol' v promyshlennosti.* Moskva, Mysl', 1965. 278 p.

Olgin-Nesterov, V. I. [Efficiency of administrative work in industrial production.] *Effektivnost' upravlencheskogo truda v promyshlennom proizvodstve.* Moskva, Ekonomika, 1965. 133 p.

Omarov, A. M. [Talks on the economics of an enterprise.] *Beardy ob ekonomike predpriiatiia.* Moskva, Znanie, 1965. 157 p. (Narodnyi universitet. Tekhniko-ekonomicheski fakul'tet, no. 2/3)

Strengthen material incentives. V. Shovelev. *Fin. SSSR* 38 no. 5 43-48 Je '65.

Verification of plan fulfillment. A. Malyshev. *Plan. khoz.* 42 no. 6 40-44 Je '65.

## INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

(see subdivision under Lvov)

## INDUSTRIAL MICROBIOLOGY

Theoretical and industrial aspects of microbiological synthesis. N. D. Ierusalimskii. *Vest. AN SSSR* 35 no. 4 42-50 Ap '65.

## INDUSTRIAL ORGANIZATION

(see also subdivision under Germany, East)

Taking into account the idle running of cars in calculating and planning the distribution of industries. M. A. Simanovskii. *Vest. TSNI MPS* 24 no. 1 49-53 '65.

## INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Ukraine; Uzbekistan)

Improve the efficiency of assembly work. F. I. Akubovskii. *Ekon. stroit.* no. 5 1-9 My '65.

Operation and production planning in a combine constructing industrial plant. I. Mitmakher, A. Bosia. *Plan. khoz.* 42 no. 6 82-85 Je '65.

## INDUSTRIAL PLANTS—REPAIR AND RECONSTRUCTION

Increase the efficiency of capital investments in the reconstruction of enterprises. S. Ginzburg. *Plan. khoz.* 42 no. 6 12-16 Je '65.

## INDUSTRIAL POWER TRUCKS—DESIGN AND CONSTRUCTION

Developing the industrial design of mechanized loaders. *Tekhn. est.* no. 5 24-27 My '65.

## INDUSTRIAL PROCUREMENT—FINANCE

Using credit to improve the work of supply and sale organizations. T. Chernyshova. *Den. i kred.* 23 no. 5 85-72 My '65.

## INDUSTRIAL PROCUREMENT—MATHEMATICAL MODELS

(see subdivision under Ukraine)

## INDUSTRIAL RADIOLOGY see Radiology, Industrial

## INDUSTRIAL RAILROADS see Railroads, Industrial

## INDUSTRIAL RESEARCH see Research, Industrial

## INDUSTRIAL SAFETY

(see also subdivision under Kaluga Province)

Combustion of mixtures presenting an explosion hazard from the heated surfaces of electric equipment. T. A. Pontzko, G. I. Akinin, B. A. Drozhzhin. *Bezop. truda v prom.* 9 no. 3 50-51 Mr '65.

Makaronko, N. P., and M. I. Negrinoyevskii. [No careful in industry.] *Bud' ostorozhen na proizvodstve.* Moskva, Meditsina, 1965. 83 p. (Nauchno-populnnaia literatura)

Put industrial safety under the control of the worker's community. I. Antimova. *Zh. i kom. khoz.* 15 no. 4 12-13 Ap '65.

## INDUSTRIAL STATISTICS

Baklanov, G. I., ed. [Industrial statistics.] *Statistika promyshlennosti.* [By] G. I. Baklanov i dr. Moskva, [Statistika] 1965. 360 p.

For the propagandist's notebook. I. kon. Rad. i ut., 8 no. 6 93 Je '65.

## INDUSTRIAL TOXICOLOGY

Zapalkovich, I. F. [Industrial hygiene of industrial painting with synthetic paints and lacquers.] *Gigiena i zh. pri okazke izdellii sinteticheskimi lakokrasnymi materialami.* Moskva, Meditsina, 1965. 25 p. (Nauchno-populnnaia meditsinskaiia literatura)

## INDUSTRIAL TRUSTS see Trusts, Industrial

## INDUSTRIAL WASTES—PURIFICATION

Biochemical purification of waste water at low temperatures. E. G. Jankins, R. V. Dudnikova, M. I. Burmalova. *Neftopet. i neftekhim.* no. 1 21 23 '65.

Thermal decontamination of the wastes of chemical industries with consecutive utilization of the waste heat. E. A. Kulov and others. *Khim. prom.* 41 no. 5 116 211 My '65.

INDUSTRY—CONTRACTS AND SPECIFICATIONS see subdivision under Armenia

## INEQUALITIES (MATHEMATICS)

The Harnack inequality for the solution of elliptic equations. A. A. Novikov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 1 9-10 '65.

Problem of finding the Chebyshev point of a system of linear inequalities. A. G. Shil'nikov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 6 13-18 '64.

Vollmer type n-dimensional integral equations and inequalities. I. A. D. Mamadov, A. T. Pirov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 1 17 18 '65.

## INERTIA

Effect of inertial forces on metal gripping by rolling mill rolls. V. S. Smilnov, V. Kiritsov. *Trudy IIT* no. 243 85-93 '65.

## INFANTS—CARE AND HYGIENE

Granat, L. N., and V. V. Ivanova. [For the young mother.] *Molodoi mater',* Moskva, Meditsina, 1965. 34 p. (Nauchno-populnnaia meditsinskaiia literatura) (DNLM)

## INFANTS—DISEASES

Case of fungoid mycosis of the lungs and skin in an infant. T. A. Tikhonova. *Vest. pediat. i ped.* 40 no. 4 72 Ja-Je '65.

Clinical and epidemiological characteristics of influenza in infants in an intraepidemic period (1950 - 1961). N. A. Chapurakina, E. A. Bilenblat, A. M. Iudin, et al. *Infek. bol.* no. 4 143-140 '64.

Dynamics in uroporphyrin excretion in toxic forms of acute gastrointestinal diseases in infants. A. M. Iudin, et al. *Sov. med.* 28 no. 4 125-120 Ap '65.

Morphological difference between atelectasis of the lungs and pneumonia in suddenly deceased infants and children. N. A. Mitiaeva. *Sud.-med. eksp.* 1 no. 8-17 Ap-Je '60.

Operative treatment of a congenital isolated calcification of the small intestine in a 2-day-old infant. V. M. Vasil'eva. *Vest. khir.* 93 no. 11 107 N '61.

Study on virus-neutralizing antibodies to adenovirus in infants. S. V. Porvachenko. *Sb. nauch. i med. inf.* no. 4 228-232 '64.

## INFANTS—NUTRITION

Nutritive value of dietetic powdered cereals. O. I. Istakcheva, N. F. Krokhlina. *Kons. i ov. prom.* 20 no. 1 11 Mr '65.

## INFANTS (NEWBORN)—DISEASES

Pathomorphology of influenza in newborn infants. N. A. Makimovich and others. *Sb. nauch. i med. inf.* no. 4 79-86 '64.

## INFECTION

Comparative studies on physiological properties of micro-organisms isolated from various inflammatory foci. V. A. Zueva, V. N. Sotnikov. *Antibiotiki* 10 no. 5 438 442 My '65.

Evolution of infections. N. N. Sholin. *Zh. mikrobiol. epid. i immun.* 42 no. 3 3-7 Mr '65.

Planets, Kh. Kh., and A. M. Kharitonova. [Side effects in the antibiotic therapy of bacterial infections.] *Putechno-ye iavleniia pri antibiotikoterapii bakterial'nykh infektsii.* [2d, 2., perer. i dop.] Moskva, Meditsina, 1965. 429 p. (DNLM)

INFECTIOUS HEPATITIS see Hepatitis, Infectious

## INFINITE

Philosophy and natural science on the problem of the infinity of the universe, S. T. Mellukhin, Vop. filos. 19 no. 6:50-60 '65.

## INFLAMMATION

Effect of tetracycline on the inflammation focus produced in rats by a subcutaneous injection of a staphylococcal culture, A. M. Chirnikh, A. M. Pichkova, Pat. fiziol. i lek. na 6:43-48 N-D '61.  
Mechanism of the depression of vital activity of microbes during development in putulent inflammatory foci V. N. Solov'ev, V. S. Zueva, Zhur. mikr. biol. epid. i immun. 12 no. 3:70-74 Mr '65.

INFLATION (FINANCE) see subdivision under France

## INFLUENZA

(see also subdivision under Chernigov Province, Dnepropetrovsk; Kiev, Kiev Province; Lvov)

C-reactive protein in influenza and acute catarrh of the respiratory tract P. M. Pashinin, V. G. Mosin, Zhur. mikrobiol. epid. i immun. 12 no. 3:126-130 Mr '65  
Changes in the cardiovascular system in sporadic influenza, D. F. Mintuk, Sbor. nauch. tr. Inst. infek. bol. no. 4:140-152 '64.

Clinical and epidemiological characteristics of influenza in infants in an intraepidemic period (1960 - 1961), N. A. Chayuskaia, E. A. Blitender, Sbor. nauch. tr. Inst. infek. bol. no. 4:143-140 '64.

Clinical characteristics of the course of influenza in tuberculous patients, A. I. Busenko, Sbor. nauch. tr. Inst. infek. bol. no. 4:108-172 '64.

Clinical characteristics of the influenza of 1963, N. I. Morozkin and others, Sbor. nauch. tr. Inst. infek. bol. no. 4:131-136 '64.

Course of pneumonia in an intraepidemic period and during influenza epidemic, N. I. Morozkin, E. A. Birkovskaya, A. S. Pashchenko, Sbor. nauch. tr. Inst. infek. bol. no. 4:125-130 '64.

Determination of neutral 17-ketosteroids in the urine of influenza patients by means of the fraction method, T. T. Chernaya, Sbor. nauch. tr. Inst. infek. bol. no. 4:203-209 '64.

Effect of introducing cells of bone marrow and the spleen in irradiated and influenza-infected mice on their survival and anti-influenza immunity, O. F. Lebedeva, Sbor. nauch. tr. Inst. infek. bol. no. 4:114-122 '64.

Fibrous structures of the lung in influenza and bacterial pneumonia, N. E. Botsman, Sbor. nauch. tr. Inst. infek. bol. no. 4:98-103 '64.

Morphological changes in the lungs of irradiated mice following infection with influenza, V. P. Dmalkina, Sbor. nauch. tr. Inst. infek. bol. no. 4:104-100 '64.

Neurological syndromes in influenza during an intraepidemic period (1960), M. A. Vashchenko, Sbor. nauch. tr. Inst. infek. bol. no. 4:164-167 '64.

Pathohistology of the respiratory tract in the "Spanish" and contemporary influenza, N. E. Botsman, Sbor. nauch. tr. Inst. infek. bol. no. 4:91-97 '64.

Pathomorphology of influenza in ducklings, B. A. Gladkov, Veterinaria 41 no. 4:41-43 Ap '65.

Pathomorphology of influenza in newborn infants, N. A. Makimovich and others, Sbor. nauch. tr. Inst. infek. bol. no. 4:70-80 '64.

Problem of using bone marrow suspension in the treatment of radiation sickness combined with influenza, O. P. Lebedeva, Sbor. nauch. tr. Inst. infek. bol. no. 4:110-113 '64.

Specific treatment of influenza, R. I. A. Khersonskaya, Sbor. nauch. tr. Inst. infek. bol. no. 4:109-202 '64.

Use of fluorescence microscopy for early diagnosis of influenza, M. I. Slobodanuk, T. I. Buzhlovskaya, Sbor. nauch. tr. Inst. infek. bol. no. 4:185-187 '64.

## INFLUENZA—COMPLICATIONS AND SEQUELAE

Effect of influenza on aggravation of rheumatic carditis and its genesis, E. N. Gorbunova, Sbor. nauch. tr. Inst. infek. bol. no. 4:167-173 '64.

Electrocardiographic and capillaroscopic changes during influenza complicated with lacunar or follicular tonsillitis, E. N. Gorbunova, Sbor. nauch. tr. Inst. infek. bol. no. 4:153-156 '64.

Electrophoretic studies on protein fractions of the blood serum in postinfluenza pneumonia, V. M. Plotnev, Sbor. nauch. tr. Inst. infek. bol. no. 4:180-184 '64.

Oxygen therapy in influenza and its pulmonary complications, E. A. Birkovskaya, Sbor. nauch. tr. Inst. infek. bol. no. 4:188-192 '64.

Protein fractions of the blood serum in complicated and uncomplicated influenza, V. I. Demin, V. M. Plotnev, Sbor. nauch. tr. Inst. infek. bol. no. 4:173-179 '64.

## INFLUENZA VIRUSES

Chromatography of influenza viruses A and A2 with anti-influenza serum and a biologically neutral complex of virus-antibody with Sephadex G-200, Kh. Zh. Zhumakov, M. Kh. Saitov, Vop. virus. 9 no. 5:558-569 S-O '64.

Clinical and virological study of influenza in 1956 - 1956, M. F. Smirnova, S. A. Kurchenko, V. N. Sereda, Sbor. nauch. tr. Inst. infek. bol. no. 4:137-142 '64.

Development of the influenza epidemiological process in Kiev in 1951 - 1951, N. P. Kornushenko, Sbor. nauch. tr. Inst. infek. bol. no. 1:7-12 '64.

Duration of immunity to the A<sub>2</sub> influenza virus, L. N. Rybinskaya, Sbor. nauch. tr. Inst. infek. bol. no. 4:58-63 '64.

Epidemic outbreaks of virus influenza in 1957 - 1959 in Kiev, I. T. Tishchenko, E. L. Medved', Sbor. nauch. tr. Inst. infek. bol. no. 4:13-18 '64.

Incidence of influenza in Kiev and Chernigov Provinces in 1958 - 1959, V. L. Vasil'eva, G. Kh. Shalkhet, Sbor. nauch. tr. Inst. infek. bol. no. 4:19-25 '64.

Nature of the antigen structure and biological properties of the type A<sub>2</sub> influenza virus in the process of natural evolution (1957 - 1959), T. P. Latel', Sbor. nauch. tr. Inst. infek. bol. no. 4:38-41 '64.

Polyelectronic organization of viral RNA, V. M. Zhdanov, V. M. Stakhovaya, F. I. Eshov, Vop. virus. 9 no. 5:564-569 S-O '64.

Preservation of influenza antigen in cadaveric material, D. V. Sidorenko, Sbor. nauch. tr. Inst. infek. bol. no. 4:77-80 '64.

Problem of humoral immunity in various age groups of the population, L. N. Rybinskaya, Sbor. nauch. tr. Inst. infek. bol. no. 4:49-53 '64.

Problem of viremia in mice following aerosol infection with influenza virus, N. V. Novikova, Sbor. nauch. tr. Inst. infek. bol. no. 4:75-78 '64.

Purification and fractionation of influenza virus by chromatography on aminoethylcellulose I. A. M. Solov'ev and others, Vop. virus. 9 no. 5:550-555 S-O '64.

Regularity of the development of anamnestic reactions to strains of the group A influenza virus in cross-immunization in white rats, T. P. Latel', Sbor. nauch. tr. Inst. infek. bol. no. 4:71-74 '64.

Study of the recombination phenomenon in influenza viruses with the aid of radioactive isotopes V. M. Zhdanov and others, Trudy TSU 71:201-205 '64.

Virological and morphological study of the adaptation process of the influenza virus, N. P. Kornushenko, N. A. Makimovich, Sbor. nauch. tr. Inst. infek. bol. no. 4:64-70 '64.

## INFLUENZA VIRUSES—CULTURES AND CULTURE

MEDIA  
Methodology of the electronoscopic study of allantoic cultures of the influenza virus, G. F. Stremetskii, A. L. Losinskii, Sbor. nauch. tr. Inst. infek. bol. no. 4:42-15 '64.

## INFORMATION SERVICES

(see also subdivision under Izhora, Leningrad Province; Kiev; Kuznetsk Basin)  
Consultation is one of the most effective means of publicizing the achievements of science and technology G. G. Iakubenko, NTI no. 2:7-8 '65  
Role of the main research institute in a branch information system D. E. Shekharin, NTI no. 2:3-8 '65  
Tasks of information services in 1965 NTI no. 1:3-1 '65

## INFORMATION SERVICES—CONGRESSES

Calendar of international and national conferences, seminars, and meetings in 1964 on problems of scientific information, bibliography, and library science E. A. Oshanina, NTI no. 1:54-59 '65  
Conference Devoted to Improving the Work of Information Organs of the State Committee of Building, Road, and Municipal Engineering Machine Construction in the State Committee on Construction of the Council of Ministers of the U.S.S.R., G. V. Lobanov, NTI no. 4:21 '65.

## INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Information storage and retrieval system with improved parameters, E. F. Skokhod'ko, NTI no. 2:16-18 '65.

Magnetic memory storage in an informational and logical machine, K. K. Brilling, L. S. Levinskii, NTI no. 1:32-37 '65.

Practices in the realization of an information retrieval system of an inversion type based on a computer V. L. Grcisukh, N. M. Mikheeva, A. I. Nadirochi, NTI no. 3:21-26 '65.

## INFORMATION STORAGE AND RETRIEVAL SYSTEMS—CHEMISTRY ORGANIC

Use of systems of binary structural notations for retrieval of information about organic compounds, L. A. Shevelskaya, G. I. Kotlar, G. E. Vleduts, NTI no. 4:31-34 '65.

## INFORMATION THEORY

Amount of information transmitted via a quantum communication channel Part 1. R. L. Stratonovich Izv. vys. ucheb. zav. i radiofiz. 8 no. 1:116-123 '65.

Amount of information transmitted via a quantum communication channel, Part 2 R. L. Stratonovich Izv. vys. ucheb. zav. i radiofiz. 8 no. 1:129-131 '65.

Composite method for detecting speech signals with a background of smooth distortions, V. N. Teterov, Elektrosviaz' 10 no. 4:78-80 Ap '65.

Dispersion of the time modulation of coincidence pulses in presence of a strong signal B. P. Levin, I. A. Formin, Elektrosviaz' 10 no. 6:72-73 Je '65.

Evaluation of the interference rejection of an adaptive system, G. A. Levin, D. L. Zaitsev, Radiotekhnika 20 no. 4:66-71 Ap '65.

Frequency characteristics of communication channels with high-order differential discrete modulation G. M. Kozlyeva, A. V. Shileiko, Radiotekhnika 20 no. 3:68-69 Mr '65.

Nature of the distribution of errors in telephone channels with discrete signal transmission, L. P. Purlov, A. S. Zavrutii, I. F. Shapovalov, Elektrosviaz' 10 no. 6:31-31 Je '65.

Permissible error level in the transmission of information, G. M. Kutyev, Vest. TSNI MPS 24 no. 1:61-64 '65.

Physical content of the entropy concept in the information theory, M. P. Dolukhanov, Elektrosviaz' 10 no. 4:9-14 Ap '65.

Recognition of speech, V. H. Zaitsev, B. B. Tymofeev, Avtomatika 10 no. 2:39-41 '65.

Residual probability of distortion during the transmission of communications with information feedback, Z. M. Kanevskii, Radiotekhnika 20 no. 3:3-8 Mr '65.

Review of N. L. Teplov's book "Noise stability of discrete information transmission systems," L. M. Link, Radiotekhnika 20 no. 3:78-79 Mr '65.

Structural redundancy of machine information, G. A. Korgelins'kii, Izv. AN Azerb. SSR Ser. fiz.-tekhn. i mat. nauk no. 1:40-46 '65.

Study of processes in linear systems using Fourier series and theorems of the convolution of periodic functions, V. G. Gaidenko, Elektrosviaz' 10 no. 6:42-50 Je '65.

## INFORMATION THEORY IN LAW

Put cybernetics in the service of law, Sov. iust. 20 no. 11:12-13 Je '65.

## INFORMATION THEORY IN PSYCHOLOGY

Human operator's activity in the information search trials V. P. Zinchenko, N. I. Marzel', L. V. Fatkin, Vop. psikh. 11 no. 2:3-16 Mr-Ap '65.

## INFRARED DRYING APPARATUS

Investigating the infrared drying systems for footwear with chrome leather uppers, V. M. Kluchnikova, N. I. Goriacheva, Nauch. tr. MTILP no. 30:130-135 '64.

## INFRARED HEATING

Technical and economic indices for infrared gas heating, A. K. Rodin, Gaz. delo no. 4:34-35 '65.  
Use of gas infrared radiators in the production of structural parts, L. S. Perchonenko, K. N. Pravoverov, V. I. Biriukova, Gaz. prom. 10 no. 6:32-34 '65.

## INFRARED RAYS

Visual observation of infrared radiation from a laser L. S. Vasilenko, V. P. Chebotov, I. V. Troitskii, Zhur. eksp. i teo. fiz. 42 no. 3:777-778 Mr '65.

## INFRARED SPECTROMETRY

Use of the infrared spectroscopy method for studying "pollen" fibers, M. B. Sigal, M. V. Shablygin, V. I. Varshavskii, Khim. volok. no. 2:25-27 '65.

## INFRARED SPECTRUM see Spectrum, Infrared

## INHIBITION

Structural and functional correlations between excitation and inhibition in the central nervous system, N. N. Vasil'skii, V. I. Kilmova-Cherkasova, G. A. Vartanian, Fiziol. zhur. 51 no. 4:424-430 Ap '65.

## INJECTIONS, INTRA-ARTERIAL

Device for continuous intra-arterial administration of chemotherapeutic preparations, G. A. Fedorov, Vop. onk. 11 no. 3:104-105 '65.

Regional chemotherapy of tumors of the maxilla, the tongue and the pharynx by the carotid perfusion and infusion method, D. A. Kazanskii, Vop. onk. 11 no. 3:42-47 '65.

## INJECTIONS, INTRAVENOUS

Methodology of intravenous injections in chronic experiments on animals, A. M. Dmitrienko, Fiziol. zhur. 51 no. 4:522-523 Ap '65.

## INJUNCTIONS

Disclosure in trial proceedings of circumstances conducive to the commission of a crime, R. Rakhunov, Sov. iust. 29 no. 8:16-19 Ap '65.

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INJURIOUS AND BENEFICIAL BIRDS see Birds, Injurious and beneficial

## INLAND NAVIGATION

(see also subdivision under Siberia)

Effectiveness of improving the maneuverability of pusher tug trains by the forced bend, N. Komissarov, E. Migunov, Rech. transp. 23 no. 12:10-13 D '64.

River transportation during the Great Patriotic War, V. I. Neigel'dberg, Ist. zap. 75:256-272 '65.

- LAND WATER TRANSPORTATION**  
 The effect of changing the boundaries of brigade-acted  
 on the river transport. A. Muronov. Rech. transp.  
 23 no. 12 37-44 D '64.  
 The use of river transport in the shipping  
 of bulk cargo. S. D. Jdo. Rech. transp. 23  
 no. 12 4-5 D '64.  
 Preparation of working methods. Rech.  
 23 no. 12 1-3 D '64.
- LAND WATER TRANSPORTATION—FINANCE**  
 Analyzing the financial results of the Repair and Operat-  
 ing Center. I. B. Lushchinskii, I. Lushchinskii, Rech.  
 23 no. 12 41-44 D '64.
- ENDOMETRIC VECT—ABNORMALITIES AND DEFORMITIES**  
 The site of the left brachiocephalic vein. N. M.  
 P. Lushchinskii, Arkh. anat., gist i embriol. 47 no. 10  
 10-12 Q '64.
- INORGANIC CHEMISTRY** see Chemistry, Inorganic
- DESCRIPTIONS, TURKIC** see Subdivision under Irtysh  
 Valley, Yenisey Valley.
- INSECT BAIT AND REPELLENTS**  
 Characterization of blood-sucking Arthropoda. I. A.  
 Elizarov. Usp. sov. biol. 59 no. 3 418-432 My-  
 Je '65.  
 Prevention of animals from bloodsucking insects. A. P.  
 Stankov. Veterinaria 41 no. 6 109-111 Je '64.  
 Toxicology and the repellent use of hexamid in animal  
 husbandry. G. F. Gusev and others. Veterinaria 42  
 no. 6 66-68 Je '65.  
 Toxicology of the repellent hexamid (P-40). V. F.  
 Gusev. A. 1 Stankov. Veterinaria 41 no. 6 112-113  
 Je '64.
- INSECTICIDES**  
 Problems in selecting for and developing of insecticides.  
 V. I. Mironov. Khim. v sel. khoz. 3 no. 5 18-23 My  
 '65.  
 Investigation of the residual action of acaricides.  
 E. T. Radalov. Veterinaria 42 no. 5 102-103 My  
 '65.  
 Studying the effect of insecticide poisoning on the proce-  
 ss of tissue respiration in the imago and larvae of the  
 housefly (*Musca domestica* L.). K. A. Gar, T. N.  
 Kaluzhina, V. M. Makarevich. Khim. v sel. khoz. 3  
 no. 5 31-31 My '65.  
 Summer spraying of cattle with insecticides against  
 Hypodermatitis. I. A. M. Kolomolets. Veteri-  
 naria 42 no. 6 52-53 Je '65.  
 Use of insecticides with adhesives. N. Karavanskii,  
 V. Pukhov. Zashch. rast. ot vred. i bol. 10 no. 4 29  
 '65.
- INSECTICIDES—EFFECT ON PLANTS** see Plants,  
 Effect of insecticides on
- INSECTS** see subdivision under Kyzyl Kum
- INSECTS—DEVELOPMENT**  
 Ecology and preimaginal phases of the development of  
 the Arctic crane fly *Tipula* (*Pterelachnus*) *carinifrons*  
 Holm. (Diptera, Tipulidae). I. I. Chernov, E. N.  
 Savchenko. Zool. zhur. 44 no. 5 777-778 '65.  
 Unusual variability of *Satyrus setacea* Esp. (Lepidoptera,  
 Satyridae) in the Crimea and its possible causes. I. V. P.  
 Nekrasenko. Zool. zhur. 44 no. 4 517-520 '65.  
 Variability of some morphological characters in biting  
 midges *Culiseta fascipennis* Staeg. and *C. subfascipennis*  
 Kieff. and *C. vexans* Staeg. K. T. Korneva. Zool. zhur.  
 44 no. 4 520-522 '65.
- INSECTS, FOSSIL** see subdivision under Russia, Asiatic
- INSECTS, INJURIOUS AND BENEFICIAL** see subdivision  
 under Kirghizistan; Murgab Valley
- INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL  
 CONTROL**  
 Symposium on biological control. G. Lebedev. Zashch.  
 rast. ot vred. i bol. 10 no. 4 25-55 '65.
- INSECTS, INJURIOUS AND BENEFICIAL—CONTROL**  
 (see also subdivision under Russia, Southern)  
 Chlorophos in the control of mites and insects. M. A.  
 Lopukhov, N. A. Den'gin. Veterinaria 41 no. 6 111-  
 112 Je '64.
- INSTRUMENT FLYING**  
 Under guided conditions. A. Shmel'kov. Grazhd. av.  
 22 no. 8 20-21 Je '65.
- INSTRUMENT INDUSTRY**  
 Development of the instrument industry in the R. S. F. S. S. R.  
 in 1960-1970. V. E. Sekun. Biol. tekhn. i ekon. inform.  
 Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5  
 13-26 My '65.  
 Gusev, S. N., M. S. Emel'yanov, and V. D. Parfenenko.  
 [Plastics in the instrument industry] Plastyak v appar-  
 atostroenii. Khar'kov, Izd-vo Khar'kovskogo univ.,  
 1963, 198 p.
- INSTRUMENT MANUFACTURE**  
 For a high quality of instruments. Priborostroenie  
 no. 5 1-2 My '65.
- In the State Committee of Instrument Manufacture,  
 Means of Automation and Automatic Control Systems,  
 Mezh. i avtom. proizv. 19 no. 4 57 Ap '65.
- Scientific bases of the technology of assembling processes  
 in the manufacture of instruments. P. I. Bulovskii,  
 Izv. vys. ucheb. zav., mashinostr. no. 3 53-60 '65.
- Some problems of precision of multiple machining of  
 parts on machine-tool units in instrument manufacture.  
 V. A. Kruglov, L. V. Kruglova. Priborostroenie no. 5  
 19-21 My '65.
- INSTRUMENTS AND APPARATUS FOR EYE** see Eye,  
 Instruments and apparatus for
- INSULATED ELECTRIC WIRE** see Electric wire, In-  
 sulated
- INSULATING MATERIALS**  
 Bituminous perlite concrete. E. Kuz'min and others.  
 Stroitel'arkhit. 12 no. 2 30-31 F '64.
- INSULATING MATERIALS—STANDARDS**  
 (Wall, roofing, and insulation materials) Materialy ste-  
 novye, krovельnye, izolatsionnye. Izd. ofitsial'noe.  
 Moskva, Izd-vo Standartov, 1965, 315 p. (SSSR, Gosu-  
 darsvennyy standart)
- INSULATING OILS**  
 Effect of temperature of the electrical strength of the  
 moist transformer oil. V. V. Puchkovskii and others.  
 Energetik. 13 no. 4 25-27 Ap '65.  
 Possibility of obtaining transformer and freon oils  
 from Valeny petroleum (Moldavian S. S. R.). N. I. A.  
 Rudakova and others. Nefteper. i neftekhim. no. 1:  
 14-15 '65.
- INSULATING OILS—ANALYSIS**  
 Photometric method for determining the content of tar in  
 transformer oil. A. P. Lixogub, A. I. A. Goshov. Neft  
 i gaz. prom. no. 2 51-52 Ap-Je '65.
- INSULATION (HEAT)**  
 (see also subdivision under Kustanay Province)  
 Grushman, R. P. [What the worker engaged in heat insu-  
 lation should know] Chto nuzhno znat' teploizolirovavshi-  
 ku. 2. Izd., perer. i dop. Leningrad, Stroiizdat, 1965,  
 111 p.  
 Heat-insulating effect of lubricants in forging. V. P.  
 Severdenko, A. P. Tomilo. Dokl. AN BSSR 9 no. 3  
 167-168 Mr '65.  
 Industrial use of heat insulating materials from bloated  
 perlite. A. V. Zhukov, I. A. Saitakov, I. I. Stobodanik,  
 Stroitel'arkhit. 11 no. 1 26-27 Ja '65.  
 Industrialization of heat-insulating work. E. Blokh,  
 S. Talalai. Ekon. stroitel. no. 5 18-20 My '65.  
 Konstantopulo, G. S. [Mechanical equipment of plants  
 manufacturing reinforced-concrete products and heat-  
 insulating materials] Mekhanicheskoe oborudovanie  
 zavodov zhelezobetonnykh izdelii i termozolirovani-  
 nykh materialov. Moskva, Vysshaya shkola, 1965,  
 426 p.  
 Thermal insulation coverings of chimneys for thin-walled  
 iron castings. A. G. Kolesnichenko. Lit. protz. no. 3:  
 30-32 Mr '65.
- INSULIN**  
 Insulin inactivating capacity of the hepatic tissue of rats  
 in experimental pancreatic diabetes. M. F. Belovin-  
 tseva, V. G. Shalupina. Pat. fiziol. i eksp. terap. 8  
 no. 8 55-57 N-D '64.  
 Participation of insulin and glycolytic products in the regula-  
 tion of cholesterol metabolism. L. E. Panin. Biol.  
 eksp. biol. i med. 59 no. 6 58-62 Je '65.  
 Effect of insulin on the exchange of nucleic acid phos-  
 phorus in the rat brain. G. Kh. Bozhko. Probl. endok.  
 i gorm. 10 no. 5 82-86 S-O '64.  
 Effect of large doses of insulin on the content of sodium,  
 potassium, magnesium and total and ionized calcium  
 in the blood serum. A. S. Fokin. Zhur. nevro. i psikh.  
 64 no. 11 1717-1721 '64.
- INSULIN—THERAPEUTIC USE**  
 Compound therapy of diabetes mellitus with sulfonamides  
 and insulin. N. M. Mordkovskaya. Probl. endok. i gorm.  
 10 no. 5 3-7 S-O '64.
- INSURANCE, LIFE—DISABILITY BENEFITS**  
 Right to temporary disability benefits. K. Batygin.  
 Zhil.-korm. khoz. 18 no. 1 34-35 Ja '65.
- INSURANCE, SOCIAL**  
 Elucidations upon the request of our readers.  
 P. Danilov. Okhr. truda i sots. strakh. 8 no. 5 47-48  
 My '65.  
 Hearing procedures for recovery suits brought by the  
 organs of social insurance need revision. N. G. Zatul-  
 lin, F. Kul'chikov. Sov. iust. 29 no. 11 4-15 Je  
 '65.  
 Holiday of working people. Okhr. truda i sots. strakh.  
 8 no. 5 2-3 My '65.  
 If you get sick on a field trip. I. U. Grigor'ev. Okhr.  
 truda i sots. strakh. 8 no. 5 44 My '65.
- Moscow, Vysshaya shkola professional'nogo dvizheniya,  
 [State social insurance] Gosudarstvennoe sotial'noe  
 strakhovanie. Izd. 4., perer. [Moskva] Profizdat, 1965,  
 204 p.  
 Questions and answers. K. Batygin. Okhr. truda i  
 sots. strakh. 8 no. 5 45 My '65.**
- INTAKES (HYDRAULIC ENGINEERING)**  
 Formation of the cone of a trough of underground waters  
 in the area of an acting water intake near the river.  
 Dokl. AN BSSR 9 no. 3 100-102 Mr '65.  
 Strotkin, V. P. [Water intakes; models, diagrams, and  
 hydraulic calculations] Vodopriemnyye ustroystva i  
 (ipy, skhemy, gidravlicheskie raschety. Moskva, Vyss-  
 shaya shkola, 1965, 70 p.  
 Studying and designing reservoir intakes. G. A. Rapp. Izv.  
 vys. ucheb. zav., stroitel'arkhit. 8 no. 2 18-19  
 '65.
- INTEGRAL EQUATIONS**  
 An approximate method for solving an integral equation  
 describing the diffraction of electromagnetic waves  
 on a strip of finite width. G. I. A. Popov. Zhur. tekhn.  
 fiz. 35 no. 3 301-308 Mr '65.  
 Convolution equations in a bounded region. M. I. Vinikh.  
 G. I. Fokin. Usp. mat. nauk 20 no. 3 100-103 My '65.  
 Diffraction of a plane wave at the junction of an ideally  
 conducting wedge and a dielectric one. S. B. Kolesnik.  
 Prikl. mat. i mekh. 20 no. 2 301-303 Mr-Ap '65.  
 New general method for studying linear operator  
 equations of the type of singular integral equations.  
 Part 1. I. B. Simonenko. Izv. AN SSSR, ser. mat. i  
 fiz. 3 567-568 '65.  
 One type of integral transformations. V. B. Gubenko.  
 Prikl. mekh. 1 no. 4 67-72 '65.  
 Petrovskii, I. G. [Lectures on the theory of integral  
 equations] Lektsii po teorii integral'nykh uravnenii.  
 Izd. 3., ispr. Moskva, Nauka, Glav. red. fiziko-  
 matem. lit-ry, 1965, 127 p.  
 Regularization of a Chew-Low type equation for the  
 process  $\pi\pi \rightarrow \pi\pi$  in the approximation of a fixed  
 nucleon. M. F. Ismailov, I. Sh. Khodzhev. Izv. AN Uz-  
 SSR, Ser. fiz.-mat. nauk 0 no. 1 60-68 '65.  
 Speeding up approximate methods of solution of integral  
 equations. Kh. Mansurov. Izv. AN Uz. SSR, Ser. fiz.-  
 mat. nauk 0 no. 2 11-15 '65.  
 Sufficient tests for convergence of the method of  
 averaging functional correlations. I. P. Sokolov. Prikl.  
 mat. zhur. 17 no. 3 91-101 '65.  
 Volterra type n-dimensional integral equations and  
 inequalities. I. A. D. Mametov, A. I. P. P. Izv. AN  
 Azarb. SSR, Ser. fiz.-mat. i mat. nauk no. 1 17-19 '65.
- INTEGRAL EQUATIONS—BOUNDARY VALUE PROBLEMS**  
 Equations for a problem concerning a plate reinforced  
 by radial ribs. I. U. B. Shul'kin. Izv. AN BSSR, Mekh.  
 no. 2 152-154 Mr-Ap '65.
- INTEGRALS**  
 The derivative and the integral (an axiomatic approach).  
 G. P. Tolstov. Mat. zhur. 88 no. 4 600-610 Ap '65.
- INTEGRALS, GENERALIZED**  
 Multidimensional generalization of P. I. Romanovskii's  
 theorem on the convergence of singular integrals. V. I.  
 Gavriluk. Ukr. mat. zhur. 17 no. 3 120-123 '65.
- INTERCHANGEABLE MECHANISMS**  
 Functional interchangeability of video tape recorders.  
 A. K. Kutai, I. I. Balokhina, R. S. Kairuk. Tekhn. i  
 teorya, 8 no. 4 5-12 Ap '65.  
 Fundamentals of the theory of functional interchange-  
 ability of machines and instruments. I. G. Tril'nik.  
 Izv. vys. ucheb. zav., mashinostr. no. 3 101-110 '65.
- INTERCONNECTED ELECTRIC UTILITY SYSTEMS**  
 Methods for overall optimization of daily and long-term  
 modes of operation of unified power systems with hydro-  
 electric power stations. Part 2. I. A. Krasov, I. B. S.  
 Syrov. Izv. AN SSSR, Energ. i transp. no. 2 32-42  
 Mr-Ap '65.  
 Preliminary evaluation of the carrying capacity of an  
 inter-system electric transmission line. N. A. Poljak.  
 Elektr. sta. 36 no. 4 140-53 Ap '65.
- INTERFEROMETRY**  
 Reduction of radio interferometer taking the transmission  
 band into account. A. N. Klay. Izv. vys. ucheb. zav.,  
 radiofiz. 8 no. 2 244-250 '65.
- INTERLIBRARY LOANS**  
 Some problems of interlibrary loans abroad. T. I.  
 Skripkina. Bibliotekoved. i bibl. za rub. no. 14 31-  
 40 '64.
- INTERMETALLIC COMPOUNDS**  
 Electrochemical processes in molten involving inter-  
 metallic compounds. I. U. K. Dolmatovskii and others.  
 Zhur. prikl. khim. 38 no. 4 818-822 Ap '65.
- INTERNAL COMBUSTION ENGINES**  
 Effect of the basic cycle parameters on the efficiency of  
 a two-cycle composite engine. G. A. Daryshnikov.  
 Energomashinoostroenie 11 no. 4 12-16 Ap '65.

## INTERNAL COMBUSTION ENGINES (Continued)

Explosion in the crankcase of an engine. E I Kiylov  
Energomashinost 11 no.4: p.3 of cover Ap '65

[Internal combustion engines and gas turbines for diesel locomotives] Teplovye dvigateli vnutrennego sgoraniya i gazovye turbiny. Izd. 2., perer. [By] N. M. Glagolev i dr. Moskva, Transport, 1965. 400 p.

Review of the textbook "Internal combustion engines" in three volumes. I. M. Lenin, K. G. Popyk. Energomashinost 11 no.4:45-46 Ap '65

## INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur.: Dvig. vnutr. sgor. no.0 Je '65

## INTERNAL CONVERSION (NUCLEAR PHYSICS)

Spectrum of internal conversion electrons in the nuclear reaction  $Ta^{128}(\alpha, 2n)Xe^{130}$ . V. L. Chikhizade. Izd. fiz. 1 no.6:1127-1128 Je '65.

## INTERNAL FIXATION IN FRACTURES

Causes, frequency and prevention of the breaking of the metallic nails used in osteosynthesis. B. G. Apanschenko, V. V. Kozlov. Vest. khir. 93 no.11:84-90 N '64.

Causes of the development of pseudarthrosis due to the use of metallic osteosynthesis. S. S. Tkachenko. Vest. khir. 93 no.11:79-83 N '64.

Organizational problems concerning the treatment of fractures by the method of osteosynthesis with metallic attachments. N. K. Mitutin. Vest. khir. 93 no.11:118-121 N '64.

## INTERNAL FRICTION

Effect of the coalescence of dislocation loops on internal friction in tempered metals. Z. K. Saralidze. Fiz. tver. tela 7 no.6:1032-1035 Je '65

## INTERNAL MEDICINE see Medicine, Internal

## INTERNATIONAL EDUCATION

Akhimov, A. Kh. [International education of workers] International'noe vospitanie trudilashchikh. Makiachkala, Dagestanskoe knizhnoe izd-vo, 1963. 79 p.  
(CSI-II)

## INTERNATIONAL LAW

Modzhorian, L. A. [Fundamental rights and duties of states] Osnovnye prava i oblyazannosti gosudarstv. Moskva, Iuridicheskaya literatura, 1965. 225 p.

## INTERNATIONAL LAW—YEARBOOKS

[Soviet yearbook of international law, 1963] Sovetskii ezhegodnik mezhdunarodnogo prava, 1963. Moskva, Nauka, 1965. 623 p.

## INTERNATIONAL OFFENSES

Modzhorian, L. A. [Fundamental rights and duties of states] Osnovnye prava i oblyazannosti gosudarstv. Moskva, Iuridicheskaya literatura, 1965. 225 p.

## INTERNATIONAL RELATIONS

The masses and foreign policy. A. Galkin. Mir. ekon. i mezhdunar. otn. no.7:13-14 '65.

## INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

## INTERNATIONAL RELATIONS—STUDY AND TEACHING

Training of lecturers on international affairs. M. Bizer. Mezhdunar. zhizn' 12 no.7:162 JI '65.

## INTERNATIONALIZED TERRITORIES

International guarantees of the status of a free city. P. M. Kuris. Vest. Mosk. un. Ser. 10: Pravo 20 no.1: 68-75 Ja-Mr '65.

## INTERPLANETARY MATTER

Some problems affecting the physics of interstellar and interplanetary matter. S. A. Kaplan. Trudy Astrofiz. inst. AN Kazakh. SSR 5:206-301 '65.

## INTERPLANETARY VOYAGES

Levanitskii, V. I. [Ways to the moon and the planets of the solar system] Puti k Lune i planetam solnechnoi sistemy. Moskva, Voenizdat, 1965. 205 p.

## INTERPOLATION

Interpolation theorem for modular spaces. B. S. Mitagin. Mat. sbor. 66 no.4:473-482 Ap '65.

## INTERPRETING AND TRANSLATING see Translating and Interpreting

## INTERSTELLAR MATTER

Problems related to the physics of interstellar matter (opening address). V. G. Fesenkov. Trudy Astrofiz. inst. AN Kazakh. SSR 5:247-248 '65.

Reflecting nebulae of high optical density and the properties of interstellar dust particles. D. A. Rozhkovskii. Trudy Astrofiz. inst. AN Kazakh. SSR 5:249-257 '65.

Some problems affecting the physics of interstellar and interplanetary matter. S. A. Kaplan. Trudy Astrofiz. inst. AN Kazakh. SSR 5:206-301 '65.

## INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

## INTESTINES

Lymphoid apparatus of the intestine in rabbits under normal conditions and in artificial sensitization. T. V. Ponomareva. Arkh. anat. i gist. i embr. 18 no.4:67-74 Ap '65.

Some problems concerning the absorption of amino acids in the intestines. O. A. Shishova-Kasatoshkina. Vop. pit. 23 no.5:3-17 N-D '64.

## INTESTINES—CANCER

Some characteristics of clinical and X-ray symptomatology of the right and left halves of the large intestine. V. I. Polrov, S. I. Kruk, N. V. Kolerova. Vest. rent. i rad. 39 no.6:49-54 N-D '64.

## INTESTINES—DISEASES see Subdivision under Uzbekistan

## INTESTINES—INNERVATION

Dynamics of changes in the depressor reflexes appearing under the influence of various acids on intestinal receptors following monoacetate intoxication. N. A. Anikina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:7-8 '64.

Reflexes on arterial pressure produced by the stimulation of the receptors and afferent intestinal fibers with synthetic bradykinin. R. S. Sonina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:94-95 '64.

## INTESTINES—INTUSSUSCEPTION

Clinical roentgenological diagnosis of acute intestinal invagination in children. L. M. Roshal'. Vest. rent. i rad. 40 no.1:20-23 Ja-F '65.

Diagnostic value of pneumoroentgenography of the large intestine in iliocecal invaginations in children. V. M. Portnoi. Vest. rent. i rad. 40 no.1:15-20 Ja-F '65.

## INTESTINES—MICROBIOLOGY

Genetic recombinations in intestinal bacteria. Report No. 7. A. A. Abidov, N. I. Siniashin, S. A. D'achenko. Urb. biol. zhur. 9 no.1:67-68 '65.

## INTESTINES—OBSTRUCTIONS

Measuring the volume of circulating blood in strangulated intestinal obstruction in an experiment. I. M. Dedeter. Trudy TSU 71:146-155 '64.

Obtural intestinal obstruction caused by cancer of the rectum in elderly persons. L. S. Koptsovskaia. Trudy Inst. im. N. V. Sklif. 9:110-124 '63.

Operative treatment of a congenital isolated volvulus of the small intestine in a 2-day-old infant. V. M. Suleimanov. Vest. khir. 93 no.11:107 N '64.

Strangulated intestinal obstruction in elderly persons. D. V. Loskutova. Trudy Inst. im. N. V. Sklif. 9:103-110 '63.

## INTESTINES—RADIOGRAPHY

Some characteristics of clinical and X-ray symptomatology of cancer of the right and left halves of the large intestine. V. I. Petrov, S. I. Kruk, N. V. Kolerova. Vest. rent. i rad. 39 no.6:49-54 N-D '64.

X-ray diagnosis of a tumorlike form of tuberculosis of the small intestine. L. M. Portnoi, S. S. Mindlin. Vest. rent. i rad. 40 no.2:84-87 Mr-Apr '65.

X-ray diagnosis of lipomas of the large intestine. L. P. Simbirskaya, N. V. Sinitayn. Vop. onk. 11 no.3: 30-35 '65.

## INTESTINES—TRANSPLANTATION

Migration plastic surgery on intestines with artificial collateral blood circulation. M. N. Zil'berman. Arkh. anat. i gist. i embr. 48 no.3:104-110 Mr '65.

## INTESTINES—TUBERCULOSIS

X-ray diagnosis of a tumorlike form of tuberculosis of the small intestine. L. M. Portnoi, S. S. Mindlin. Vest. rent. i rad. 40 no.2:84-87 Mr-Apr '65.

## INTESTINES—TUMORS

Acute adrenocortical insufficiency following excision of a giant cyst of the adrenal gland and an adrenocortical cyst of the small intestine. B. M. Gershman, M. S. Tverdyl. Probl. endok. i gorm. 10 no.4:68-70 JI-Ag '64.

X-ray diagnosis of lipomas of the large intestine. L. P. Simbirskaya, N. V. Sinitayn. Vop. onk. 11 no.3:30-35 '65.

## INTRA-ARTERIAL INJECTIONS see Injections, Intra-arterial

## INTRACRANIAL PRESSURE

Impaction of the cerebellum in the foramen occipitale magnum in some diseases of the brain. G. N. Mirovovskaya. Zhur. nevr. i psikh. 85 no.6:828-831 '65.

## INTRAOCULAR PRESSURE

Dependence of the intraocular pressure on the general blood pressure. S. I. A. Sazonov. Fiziol. zhur. 51 no.5:585-592 My '65.

## INTRATRACHEAL ANESTHESIA

Combined endotracheal anesthesia in emergency surgical aid. O. A. Bogomolov. Trudy Inst. im. N. V. Sklif. 9:226-232 '63.

## INTRAVENOUS INJECTIONS see Injections, Intravenous

## INVARIANTS

Invariant operations over events. I. I. Ivanov. Probl. kb. no.12:253-258 '64.

## INVERTEBRATES see Subdivision under Black Sea; Dnieper River

## INVERTEBRATES, FOSSIL

Methods for the study and description of fossil invertebrates. A. D. Grigor'eva. E. A. Ivanova. Paleont. zhur. no.2:122-125 '65.

## INVESTMENTS, AMERICAN see Subdivision under Australia

## INVESTMENTS, FOREIGN

(see also subdivision under Africa)

The fictitious joint stock companies in Russia, 1880-1870, assets of the Ryazan-Kozlov Railroad. V. M. Linkovskii. Ist. zap. 76:276-291 '65.

New phenomena in the export of capital from imperialist countries. V. Rymanov. Mir. ekon. i mezhdunar. otn. no.7:15-28 '65.

## INVESTMENTS, FRENCH see Subdivision under Africa

## IOANNI, SAINT, Metropolitan of Tobol'sk and Siberia, 1651-1715

Saint Ioanna, Metropolitan of Tobol'sk and Siberia; on the occasion of the 250th anniversary of his death. A. P. Osvinnin. Zhur. Mosk. Patr. no.6:73-77 '65.

## IODIDES

Kinetics of the reaction of iodide oxidation by potassium chlorate in the presence of rhenium. V. K. Pavlova, K. B. Iatiminski. Zhur. neorg. khim. 10 no.5:1027-1032 JI '65.

Process of iodide anodic oxidation on a platinum micro-electrode. Part I: Dependence of the current decay on pH of the supporting electrolyte. N. A. Zakhodiakina and others. Elektrokhimia 1 no.2:138-142 F '65.

## IODINE

Distribution of the alkali metal halides between aqueous solutions and organic solutions of iodine. Part 4: Distribution of cesium chloride between aqueous and organic solutions of iodine. V. M. Vdovenko, L. S. Bulantisa, Radiokhimiya 7 no.1:104-107 '65.

## IODINE—EFFECT ON PLANTS see Plants, Effect of Iodine on

## IODINE—THERAPEUTIC USE

Prevention of ascariasis and pullorum disease in chicks using iodinol. N. Kh. Kucheruk, S. Z. Dubovyi. Vetsinariia 41 no.6:62-63 Je '64.

## IODINE CHLORIDES

Halogenation of aromatic silanes. Part 16: Certain features of the reaction of phenyltrichlorosilane with iodine chlorides. G. V. Moiseyev, A. I. Iakubovich. Zhur. ob. khim. 35 no.6:1058-1057 Je '65.

## IODINE IN THE BODY

Effect of muscular activity and experimental training on the content and iodine number in lipids of rat tissues. L. G. Lezhnevich. Ukr. biokhim. zhur. 36 no.5:726-734 '64.

Results of the determination of protein-bound iodine in the blood of man and of various types of animals. T. F. Komarova, D. S. Tendler, E. V. Sokolova. Probl. endok. i gorm. 10 no.4:72-76 JI-Ag '64.

## IODINE ISOTOPES

Accelerated excretion of radioiodine from the organism. I. F. Koval', L. I. Evlanova. Med. rad. 10 no.2:41-44 F '65.

Comparative evaluation of some radioiodine tests used in the diagnosis of thyroid diseases. A. Kh. Mirkhodzhaev, N. K. Muratkhodzhaev. Probl. endok. i gorm. 10 no.5:28-32 S-O '64.

Self-recording pocket radiometer for studying the state of thyroid function. A. A. Agafontsev. Med. rad. 10 no.3:73-78 Mr '65.

Stand for the fixation of rats on a gamma-counter for the determination of the thyroid absorption of radioactive iodine. I. I. Shvaiko. Probl. endok. i gorm. 10 no.4: 104-105 JI-Ag '64.

Study of the functional state of the thyroid gland by means of  $I^{131}$ -labeled triiodothyronine. V. K. Modestov, A. T. Tsygankov. Med. rad. 10 no.6:11-13 Je '65.

Use of  $I^{131}$  in the study of the functional state of the thyroid gland. V. K. Modestov, A. T. Tsygankov. Trudy TSU 71:56-60 '64.

Use of radioactive isotopes in the diagnosis of malignant tumors of the thyroid gland. B. M. Viurina. Med. rad. 10 no.3:83-87 Mr '65.

Working conditions of laboratory personnel employing radioactive iodine-131. M. I. Endkeev. Trudy TSU 71:243-246 '64.

## IODINE ISOTOPES—THERAPEUTIC USE

Cholesterol metabolism in diseases of the thyroid gland in patients treated with  $I^{131}$ . V. N. Slavnov. Med. rad. 10 no.6:34-38 Je '65.



## IODINE ISOTOPES—THERAPEUTIC USE (Continued)

Lipoproteins of the blood serum in patients with thyrotoxicosis treated with iodine 131. V. N. Slavov. Med rad 10 no. 5:55-59 My '65.  
Substantiation of the method of radiolodine treatment of multiple metastases of cancer of the thyroid gland. E. P. Faltileeva. Med rad 10 no. 5:41-46 My '65.

## IODOMETRY

Iodometric determination of thion dioxide. I. G. Shafan, A. O. Stepanova, L. I. Pankratova. Trudy IREA no. 25:215-220 '63.

## IOFA, ZINOVII ALEKSANDROVICH, 1895-

Zinovi Aleksandrovich Iofa; on his 70th birthday. Elektrikhimika 1 no. 3:620-621 My '65.

## IOLOTAN' (TURKMENISTAN)—GERBILS—DISEASES AND PESTS

Characteristics of bacterial strains isolated from greater gerbils in the Tadzhan-Murgab interfluvium (Turkmen S. S. R.). I. L. Martinevskii, Zhur. mikrobiol., epid. i immun. 42 no. 2:136-140 F '65.

## ION EXCHANGE

Cation exchange as a means for chemical and structural modification of zeolites. I. E. Nelmark. Izv. AN SSSR. Ser. Khim. no. 6:859-868 '65.  
Cation exchange on vermiculite at elevated pressure and temperature. V. V. Fomin. Radiokhimiya 7 no. 2:226-232 '65.

Chromatographic method of sugar refining by the removal of mineral impurities and acidity as exemplified by alabaster. M. A. Andonov, K. M. Melnikov. Trudy IREA no. 25:493-500 '63.

Comparative study of sodium and hydrogen ion exchange by calcium, zinc, cadmium, lead, and copper ions using KU-2 SBS-1 and KB-4p-2 cation exchangers. I. U. A. Tolmacheva. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:55-59 '65.

Effect of cation exchange on the changes in sugar losses of molasses. T. P. Khavkovskii. Sakh. prom. 39 no. 4:45-48 Ap '65.

Effect of the cation exchange complex of a surface-active medium on the dispersity of caolinite clay suspensions. A. M. Bakhimov, A. K. Miskari, Koll. zhur. 27 no. 2:115-150 Mr-Apr '65.

Hydrophilic properties of ion-exchange derivatives of A-type zeolites. A. I. Rastrenenko, S. N. Antonovskaya, I. E. Nelmark. Koll. zhur. 27 no. 2:260-273 Mr-Apr '65.

Preparation of tetrabutyl ammonium hydroxide by the electrochemical method using ion-exchange membranes. N. A. Dabanovskii and others. Trudy IREA no. 25:127-133 '63.

Study of electrochemical structure of protein molecules and their fragments by sorption methods. G. V. Samsonov, R. D. Ponomareva. Elektrikhimika 29 no. 4:506-509 Jl-Ag '64.

## ION EXCHANGE—THERMODYNAMICS

New variant of the thermodynamic study of ion-exchange processes. V. S. Soldatov. Dokl. AN BSSR 9 no. 3:169-171 Mr '65.

## ION-EXCHANGE RESINS

Mechanism of thermal desulfuration of the hydrogen form of ion exchanger KU-2 in hydrocarbon media. N. G. Polianskii and others. Zhur. prikl. khim. 38 no. 4:910-918 Ap '65.

New polycationic resins. R. P. Lastovskii and others. Trudy IREA no. 25:57-65 '63.

Synthesis and study of new selective ion-exchange resins. N. M. Dlatova and others. Trudy IREA no. 25:91-99 '63.

## ION EXCHANGERS

Behavior of an attenuated LSC 2 ab strain of poliomyelitis virus type I following purification on some ion-exchangers. E. S. Zaimanzon, L. S. Lobareva. Vop. virus. 9 no. 5:559-564 S-O '64.

Chemistry of vinylacetylene. Part 54: Reaction of formaldehyde with tertiary vinylacetylenic alcohols in the presence of cation exchangers. S. A. Vartanjan and others. Izv. AN Arm. SSR. Khim. nauki 17 no. 6:672-675 '64.

Comparative study of rhenium and molybdenum sorption on certain strongly basic anion exchangers. D. S. Galibakian, M. V. Darbinian. Izv. AN Arm. SSR. Khim. nauki 17 no. 6:631-635 '64.

Effect of the degree of crosslinking of anion exchangers on their thermal stability. M. A. Shaburov, L. G. Myasnikova, I. U. A. Belonogova. Plast. massy no. 5:54-55 '65.

Salts forms of cation exchangers and the separation of organic acids. I. K. Tsvetov, E. A. Kononova, B. F. Tsvetich. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:60-64 '65.

Sorption by ion exchangers and the possibility of separating transition elements of the fourth period in succinic acid solutions. I. K. Tsvetov, D. V. Bantov. Zhur. VKHO 10 no. 2:228-229 '65.

Sorption of niobium and tantalum from  $H_2SO_4$ -HF solutions by AF-17, EDE-10P, AN-2F anion exchangers. V. S. Pakholkov, S. E. Simakov. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:102-109 '65.

## ION SOURCES

Ion source with a longitudinal magnetic field. S. V. Starodubtsev, V. A. Muminov. Izv. AN Uz SSR. Ser. fiz.-mat. nauk 9 no. 1:57-59 '65.

## IONIC CRYSTALS—DEFECTS

Kinetics of the fixation of dislocations by point defects in ionic crystals. A. A. Bilstano, I. V. Troitskii, M. P. Shaskol'skaia. Fiz. tver. tela 7 no. 6:1856-1859 Je '65.

## IONIC SOLUTIONS

Temperature dependence of infrared absorption spectra and characteristics of ion-molecular interaction in acetone. A. Z. Gadzhiev, I. S. Pomolov, Zhur. neorg. khim. 10 no. 6:1490-1493 Je '65.

## IONIC SOLUTIONS—OPTICAL PROPERTIES

Physicochemical study of some radium compounds. Part I. Ionic refraction of radium. V. M. Vdovenko, I. U. V. Dubasov. Radiokhimiya 7 no. 2:214-220 '65.

## IONIZATION

Effect of an electric field on the surface ionization of metals. L. N. Dobretsov. Zhur. tekhn. fiz. 35 no. 3:535-538 Mr '65.

Impact ionization and distribution function of hot carriers in silicon. V. K. Aladinskii. Fiz. tver. tela 7 no. 6:1813-1820 Je '65.

Lithium-nickel interaction in germanium. V. V. Ostrobodova, S. V. Ivanova. Fiz. tver. tela 7 no. 6:1830-1832 Je '65.

Method of determining the excitation energy of molecular ions. L. V. Sumin, M. V. Gurev. Kin. i kat. 6 no. 1:31-36 Ja-F '65.

Positive surface ionization of potassium on textured platinum bands. E. F. Chaikovskii, G. V. Pitsyn. Zhur. tekhn. fiz. 35 no. 3:528-534 Mr '65.

## IONIZATION CHAMBERS

Theory of semiconductor counters of ionizing particles. V. M. Lenchenko, I. Iminov. Izv. AN Uz SSR. Ser. fiz.-mat. nauk 9 no. 2:54-59 '65.

## IONOSPHERIC RESEARCH

Some results of measurements of cosmic radio-frequency radiation in the ionosphere. I. U. S. Korobkov. Izv. vys. ucheb. zav., radiofiz. 8 no. 1:186-188 '65.

## IONS

Dynamic relaxation of ions of a ferroelectric in a self-consistent field. V. Kh. Kozlovskii. Izv. AN SSSR. Ser. fiz. 29 no. 6:874-878 Je '65.

Effect of  $Ca^{2+}$ ,  $Sr^{2+}$ ,  $Ba^{2+}$ ,  $Ca^{2+}$ , and  $Mg^{2+}$  ions on the energy distribution in the spectra of various types of luminescence of KCl and NaCl phosphors. A. Kh. Khailov. Izv. AN Azerb. SSR. Ser. fiz.-tekhn. i mat. nauk no. 6:61-68 '64.

Impurity distribution of monovalent ions in growing KCl and KBr single crystals. G. A. Andreev. Fiz. tver. tela 7 no. 6:1883-1884 Je '65.

## IONS—CAPTURE

Experiments on the use of a variable electric field in heating ions in magnetic mirror traps. I. U. V. Got, E. D. Iushmanov. Zhur. eksp. i teor. fiz. 48 no. 3:804-813 Mr '65.

## IONS—EMISSION

Anisotropy of the coefficient of ion-electron emission from copper single crystals. E. S. Mashkova, V. A. Molchanov. Zhur. tekhn. fiz. 35 no. 3:431-440 Mr '65.

Anisotropy of the coefficient of ion-electron emission from copper single crystals. E. S. Mashkova, V. A. Molchanov. Zhur. tekhn. fiz. 35 no. 3:575-576 Mr '65.

## IONS—MIGRATION AND VELOCITY

Electromigration method for studying hydrolysis of cerium (III) in nitric acid solutions. A. V. Stepanov, V. P. Shvedov. Zhur. neorg. khim. 10 no. 4:1000-1002 Ap '65.

Transport numbers in binary systems formed by sulfuric acid with orthophosphoric and monochloroacetic acids. I. U. A. Fialkov, A. N. Zhitomirskii, O. K. Kudra. Zhur. neorg. khim. 10 no. 4:934-938 Ap '65.

## IONS—SCATTERING

Effect of the crystalline structure of the target on the energy spectra of scattered ions. E. S. Mashkova, V. A. Molchanov. Fiz. tver. tela 7 no. 6:1872-1874 Je '65.

Phonon frequencies in the nickel lattice in the [100] direction. E. Z. Vintatkin, V. V. Gorbachev. Fiz. tver. tela 7 no. 6:1910-1912 Je '65.

## IORI VALLEY—MOLLUSKS, FOSSIL

Fresh-water elements in the Sarmatian fauna on Molladag in the Jura and Iori interfluvium (western Azerbaijan). E. Z. Movlazar. Izv. AN Azerb. SSR. Ser. geol.-geog. til-i '64.

## IOSIF I, Exarch of Bulgaria, 1840-1915

Iosif I, Exarch of Bulgaria; on the occasion of the 50th anniversary of his death. A. Ignatiev. Zhur. Mosk. Pair. no. 6:43-47 '65.

## IPATENKO, NIKOLAI GRIGOR'EVICH

The brave scout. V. V. Kalugin. Vostok 1914 no. 5:21 My '65.

## IPATOVO DISTRICT—KINDERGARTEN

For the children of collective farmers. Detsk. vosp. 38 no. 3:38 M '65.

## IPRONIAZID—PHYSIOLOGICAL EFFECT

Reaction of dogs with the weak type of neurotropic substances, the effect of neurotropic substances. N. V. Bolondinskii, Zhur. vop. med. i biolog. 10:1013-1018 N-D '64.

## IRAN

Iran. E. A. Olov. Strany i natsii 1914 no. 3:38 '61.

## IRAN—FOREIGN ECONOMIC RELATIONS

A journey to Pahlevi. D. Kasatkina. Nov. vrem. 21 no. 24:31 '65.

## IRAN—FOREIGN RELATIONS—RUSSIA

Good neighbor policy. Nov. vrem. 21 no. 24:31 '65.

## IRAN—LAND TENURE

The agrarian reform in Iran. M. J. Kham. no. 3:76-88 My-Je '61.

## IRELYAKH VALLEY—CALCITE

Lamellar calcite from the "Mir" pipe. V. K. Maishintsev. Geol. i geofiz. 10:1117-1121 '65.

## IRIDIUM COMPOUNDS

Catalytic properties of iridium compounds in solutions. S. I. Chizhukin, M. I. Ilyushin. Khim. 10 no. 4:823-828 Ap '64.

## IRKUTSK—COMMUNIST COMPETITION

A path beyond the horizon. V. Polykhin. 21 no. 12:8-10 Je '65.

## IRKUTSK—DEFENSE (CRIMINAL PROCEDURE)

Janus of Irkutsk. I. U. Maslov. Sov. iuzn. 1:11 My '65.

## IRKUTSK—FLOUR INDUSTRY

Irkutsk Flour Mill is an enterprise of collective farmers. I. A. Khomenkov. Muk.-olev. prom. 11:147 '65.

## IRKUTSK—SCIENTIFIC LIBRARIES

Unification of methods in scientific libraries of Irkutsk. N. K. Potopova. Bibliot. 150 '64.

## IRKUTSK—THEATER

Merzly Mithofan. I. U. Voinan. Teatr. 15:112-113 Ap '65.

## IRKUTSK PROVINCE—COMMUNIST PARTY (BULG)

Mastering the art of leadership. S. G. Shchegolev. zhizn' no. 12:8-15 Je '65.

## IRKUTSK PROVINCE—DIAMONDS

Routes of the transportation of and the accumulation of diamonds in the Irkutsk amphitheater. L. N. Zvezda. 10:12:22-28 '64.

## IRKUTSK PROVINCE—FIELD CROPS—FERTILIZERS AND MANURES

Put the use of mineral fertilizers under the Merkur'ev. Zemledelie 27 no. 6:81 Mr '65.

## IRKUTSK PROVINCE—STATE FARMS—CATTLE

Engaged in good causes. V. Lemeshov. Agri. 33 no. 11:23-25 Je '65.

## IRKUTSK PROVINCE—STATE FARMS—LIVESTOCK

Engaged in good causes. V. Lemeshov. Agri. 33 no. 11:23-25 Je '65.

## IRKUTSK PROVINCE—VETERINARY HYGIENE

For exemplary veterinary hygienic conditions in stock farms. I. N. Nikitin, I. U. I. Sazanov. Veterinaria 41 no. 4:8-9 Ap '65.

Sanitation measures on specialized farms. Veterinaria 41 no. 6:10-12 Je '64.

## IRON—ANALYSIS

Determination of an iron microimpurity in substances by the chromatographic method with naphthalene. O. A. Karakovskaya, E. A. Ilyushina. Trudy IREA no. 25:317-320 '63.

Determination of microgram quantities of iron in soils using a bathophenanthroline reagent. P. P. Benko, I. A. Zakara. Trudy IREA no. 25:317-320 '63.

Kinetic method for determining microquantities of valent and trivalent iron ions present together in the mechanism of their peroxidase activity. V. V. Budanov. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 8 no. 1:23-30 '65.

Polarographic method for determining iron in canned food. V. S. Grzhivo, M. S. Derzh. Khim. i prom. 20 no. 6:43-47 '65.

## IRON--METALLOGRAPHY

Mechanism of the recovery of strain-hardened iron under the effect of rapid heating. M.E. Blanter, N.E. Gai-buzova, A.G. Torgashova. Metalloved i tekh. obr. met. no. 4:22-26 Ap '65

## IRON--TESTING

Basic types of deformed microreliefs originating on the surface of commercial-grade iron samples during fatigue tests with heating in a vacuum. M.G. Lozinskii, A.N. Romanov. Mashinostroyeniye no. 3:56-65 '65

Effect of grain size on tensile strength of the micro-spectrometers of Amco iron. G.G. Maksimovich, F.P. Anichishin, N.P. Dvornov, Fiz.-khim. mekh. mat. 1 no. 2:193-197 '65.

## IRON ALLOYS

Production of ferrovanadium sinter at the Lebyazh'ye sintering plant. I.M. Ravikovich and others. Stal' 25 no. 6:484-486 Je '65.

## IRON ALLOYS--METALLOGRAPHY

Isoperitectic part of the iron-carbon constitutional diagram. A.A. Vortman and others. Lit. proizv. no. 2:27-33 F '65

## IRON ALLOYS--STANDARDS

[Ferionloys] Ferrosplavy, Izd. ofitsial'noe, Moskva, Izd-vo Standartov, 1965, 134 p. (SSSR, Gosudarstvennoye standartizatsionnoye upravleniye)

## IRON-ALUMINUM ALLOYS

Oxidation of iron alloys with aluminum and copper alloys with aluminum. R.F. Voitovich. Zhur. prikl. khim. 38 no. 4:946-949 Ap '65.

IRON AND STEEL PLANTS see subdivision under Nizhniy Tagil

## IRON AND STEEL PLANTS--EQUIPMENT AND SUPPLIES

(see also subdivision under Karaganda)

Modern methods of repairing in metallurgy. G.I. Shandrenko. Metallurg 10 no. 5:36-37 My '65.

Modernization of a nonstandard ladle crane. I.I. Vniolil. Metallurg 10 no. 5:23 My '65.

Pneumatic transfer pump. N. Toskhoparan. Metallurg 10 no. 5:31 My '65.

## IRON AND STEEL PLANTS--MANAGEMENT

Review of the book by B. P. Bel'gol'skii, E. S. Glikman, and I. A. Medvedeva "Establishing technical standards in the metallurgical industry." I.I. Kobylitskov. Stal' 25 no. 5:460-461 My '65.

IRON AND STEEL PLATES see Plates, Iron and steel

## IRON AND STEEL WORKERS

(see also subdivision under Georgia)

Creativity of engineers and technicians. N. Tamberis, I. Saranskikh. Metallurg 10 no. 6:37-38 Je '65.

## IRON-BORON ALLOYS--METALLURGY

Developing boron ore for ferroboron smelting. P. P. Kazakov, E. T. Starovoirov. Bluz. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5:4-5 My '65.

## IRON CARBONYLS

Thermodynamic analysis and chemical diagram of the decomposition process of iron pentacarbonyl. V. L. Volkov, V. G. Syrkina. Khim. prom. 41 no. 5:352-356 My '65.

## IRON CHLORIDES

Solubility of ferric chloride and antimony trichloride in  $\text{CCl}_4$ ,  $\text{SiCl}_4$ ,  $\text{SnCl}_4$ . I.U. M. Matynov, I. G. Syrkina. Zhur. neorg. khim. 10 no. 4:943-945 Ap '65.

System  $\text{FeCl}_2 - \text{ZnCl}_2 - \text{H}_2\text{O}$  at 150°C. A. P. Shchedrina, M. I. Ozerova. Zhur. neorg. khim. 10 no. 5:1504-1505 Je '65.

## IRON CHROMATES--THERMODYNAMICS

Thermodynamic properties of iron chromite determined from electrochemical measurements. T. N. Rezukhina, V. A. Levitskii, B. A. Istomin. Elektrokhimiya 1 no. 4:467-471 Ap '65

## IRON-COBALT ALLOYS

Kinetics of ammonia synthesis on alloys of iron and cobalt. N. M. Morozov, L. I. Luk'yanova, M. I. Tomkin. Kinet. i kat. 0 no. 1:82-88 Ja-F '65.

## IRON COMPOUNDS

Complex formation of iron (III) with pyrophosphate. V. B. Spivakovskii, G. V. Makovskaya. Zhur. neorg. khim. 10 no. 5:1002-1008 My '65.

## IRON-COPPER ALLOYS

Dissolution kinetics of an iron-base alloy in liquid matrices. V. I. Kriuk, I. U. Nikitina, R. I. Shakhina. Tsvet. met. 38 no. 3:33-35 Mr '65.

IRON ELECTRODES see Electrodes, Iron

## IRON FOUNDING

Effect of preliminary irradiation and heat treatment on the graphitization malleable cast iron. V. A. Shakhin. Lit. proizv. no. 2:25-26 F '65.

Thermal insulation coverings of chills for thin-walled iron castings. A. G. Kolesnichenko. Lit. proizv. no. 3:30-32 Mr '65.

Use of large metallic cores for iron casting into chills. V. A. Komissarov. Lit. proizv. no. 3:4-5 Mr '65.

## IRON FOUNDING--EQUIPMENT AND SUPPLIES

Graphite inserts in chills for iron castings. I. K. Marchenko. Lit. proizv. no. 2:47 F '65

## IRON FOUNDING--QUALITY CONTROL

Evaluating the quality of cast iron by the carbon equivalent. L. M. Martenbakh, V. V. Kandalin. Lit. proizv. no. 2:40-42 F '65

## IRON HYDROXIDES

Kinetics and mechanism of formation of thin films of iron hydroxide on a glass surface in ferric chloride solutions. N. K. Bulatov, S. G. Mokrushin. Koll. zhur. 27 no. 2:156-164 Mr-Apr '65.

Kinetics of the reaction of  $\text{UO}_2$  and  $\text{Fe}(\text{OH})_3$  in perchloric acid solutions. E. A. Kanevskii, A. P. Filippov. Radio-khimiya 7 no. 2:207-214 '65.

## IRON IN THE BODY

Determining the quantity of iron in the blood of animals. A. V. Gerasimchuk, N. E. Protchenko. Veterinarika 42 no. 6:96-97 Je '65.

## IRON INDUSTRY

(see also subdivision under Balkhash Lake region)

"All for the war effort, all for victory." Metallurg 10 no. 5:1-2 My '65.

Automation of industrial processes in the iron and steel industry. L. A. Charkikhov. Metallurg 10 no. 6:1-2 Je '65.

Friendship strengthened in war and in work. Metallurg 10 no. 5:2-4 My '65.

In the final year of the seven year plan. P. Buslaev. Metallurg 10 no. 5:38 My '65.

## IRON INDUSTRY--ACCOUNTING

Kolubinskii, G. V. [Planning and accounting for labor in ferrous metallurgy enterprises] Planirovaniye i uchët truda na predpriyatiyakh chernoi metallurgii. [Moskva] Metallurgizdat, 1965, 188 p.

## IRON ISOTOPES

Radioactive iron  $\text{Fe}^{59}$ . A. L. Kozyr'eva. Trudy TSU 7:150-162 '64.

## IRON-MANGANESE ALLOYS--HARDENING

Isothermal formation of the  $\gamma$ -phase following precipitation hardening of iron-manganese alloys. N. N. Bogachev, V. F. Egozov, L. S. Malinov. Metalloved i term. obr. met. no. 1:2-8 Ap '65.

## IRON-MOLYBDENUM ALLOYS

Electrodeposition of iron-molybdenum alloys from fluoride electrolytes. T. F. Frantsevich-Zabludovskaya, G. I. Sharafan. Zhur. prikl. khim. 38 no. 4:954-956 Ap '65.

## IRON-NICKEL ALLOYS--HARDENING

Effect of strain and precipitation hardening on the rate of hydrogen penetration into ferrite. V. A. Gol'tsev, P. V. Gol'd, M. M. Shteinberg. Metalloved i term. obr. met. no. 4:14-17 Ap '65.

## IRON-NICKEL ALLOYS--HYDROGEN CONTENT

Effect of strain and precipitation hardening on the rate of hydrogen penetration into ferrite. V. A. Gol'tsev, P. V. Gol'd, M. M. Shteinberg. Metalloved i term. obr. met. no. 4:14-17 Ap '65.

## IRON-NICKEL-ALUMINUM ALLOYS

Structure and magnetic properties of some highly coercive alloys based on the Fe-Ni-Al system and new efficient methods for their study. N. G. Shul'ga, P. D. Afanas'ev, S. K. Iaremkevich. Izv. vys. ucheb. zav. i mashinost. no. 3:125-132 '65.

## IRON ORES

(see also subdivision under Belozersk region, Zaporozh'ye Province; Black Sea region; Krivoy Rog Basin; Kursk Magnetic Anomaly; Ukraine)

[Dressing of brown iron ores] Obogashcheniye burykh zheleznyakov. [By] V. T. Barishpolets i dr. Moskva, Nedra, 1965, 201 p.

Glembolskii, V. A., and G. A. Bekhile. [Flotation of iron ores] Flotatsiya zheleznykh rud. Moskva, Nedra, 1964, 222 p.

## IRON-ORGANIC COMPOUNDS--THERAPEUTIC USE

Prophylaxis of anemia in piglets using iron glycero-phosphate in the feeding of pregnant sows. D. P. Ivanov, M. N. Nikol'skaya. Vestnik AN BSSR. Ser. sel'-hosp. nav. no. 4:114-122 '64.

## IRON OXIDES

Calculation of magnetite in an apparatus with a fluidized bed. A. I. A. Andreev, V. I. Orlovskii. Trudy IREA no. 25:460-466 '63.

System  $\text{FeO} - \text{SO}_3 - \text{H}_2\text{O}$  at 25°C. I. A. G. Goroshchenko, E. K. Sikorskaya. Zhur. neorg. khim. 10 no. 4:950-954 Ap '65.

## IRON SALTS

Possibility of preventing the coprecipitation of cobalt (II) and iron (III). I. L. Teodorovich and others. Zhur. VKHO 10 no. 2:238-239 '65.

Radialysis of iron ions in sulfuric acid solutions. L. T. Khuan Guan'-lin [Huang Kuan'-lin], L. T. Bugaenko. Zhur. neorg. khim. 10 no. 4:745-750 Ap '65

## IRON-SILICON-CHROMIUM ALLOYS

Silicon carbide and ferrosilicochrome. N. E. Filonenko, G. M. Zaretskaya. Zhur. prikl. khim. 38 no. 4:941-942 Je '65.

## IRON THIOCYANATE

Distribution of iron (III) between aqueous solutions of salts and ether. V. E. Mironov, I. I. Rutkovskii. Zhur. neorg. khim. 10 no. 5:1069-1074 My '65

## IRON VANADATES

Study of iron (III) vanadates. I. I. Sannikov, V. L. Zolotarev, E. I. Kiylov. Zhur. neorg. khim. 10 no. 5:1075-1081 My '65

IRRIGATION see subdivision under Kopetdag region; Soviet Central Asia

## IRRIGATION CANALS AND FLUMES

Investigating a continuous-action tamping assembly for the compaction of intrafarm canals. E. M. Ostrovskii. Vop. gidr. no. 22:35-42 '65.

Reinforced concrete (tunnel troughs and conduits 1.2 and 1.4 m deep. V. A. Kuznetsov. Trudy Giprovodkhoz. no. 25:72-78 '63

## IRRIGATION FARMING

Lysogorov, S. D. [Irrigation farming] Orosheniye zemel'nykh. Izd. 2., perer. Moskva, Kolos, 1955, 454 p. (Uchebnykh i uchebnoye posobie dlya vysshikh sel'skokhozyaystvennykh uchebnykh zavedenii) (DNAL)

## IRRIGATION FARMING--STUDY AND TEACHING

In the interests of the development of irrigation farming. V. F. Krasota. Vest. vys. shkoly 23 no. 6:29-31 Je '65.

## IRTYSH VALLEY--INSCRIPTIONS, TURKIC

Ancient Turkic runic inscription from the Irtysh Valley. A. S. Amanzholov. Nar. Az. i Afr. no. 3:150 '65

## ISAKOVA, NINA SERGEEVNA

A woman partisan. I. Khatskevich. Sov. muz. 29 no. 5:41-44 My '65.

## ISHIM (TYUMEN' PROVINCE)--EMBEZZLEMENT

Results of the absence of control. M. Arshavskii. Fin. SSSR 39 no. 6:67-68 Je '65.

## ISKENDEROV, MAMED SAL'MANOVICH, 1908-1965

In memory of Mamed Sal'manovich Iskenderov; an obituary. Vop. ist. KPSS 8 no. 7:158 JI '65

## ISKITIM (NOVOSIBIRSK PROVINCE)--CEMENT INDUSTRIES

Why there was a delay in the mastering of the production lines in Iskitim. N. I. Bakanov, M. N. Rachinskii, V. P. Rumiantsev. Stroitel. no. 4:7-8 Ap '65.

## ISOBUTYL ALCOHOL

Mutual effect of furfural and isobutanol on their solubility in mixed solvents. S. I. Spiridonova, E. K. Nikitina. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:31-35 '65.

## ISOCYANATES

Kinetics of interaction between p-chlorophenyl isocyanate and methyl alcohol in n-heptane. O. V. Nestorov, S. G. Entelis. Kinet. i kat. 6 no. 1:178-179 Ja-F '65.

Some physical and physicochemical constants of m- and p-chloroaniline and m- and p-chlorophenylisocyanates. A. A. Zalikin, V. L. Koshechikov, I. U. A. Strepikeev. Khim. prom. 41 no. 5:338 My '65.

## ISOFLAVONE

Isoflavone-glycoside from Piptanthus nanus M. Pop. V. M. Utkin, A. P. Seredbrakova. Khim. prirod. soed. no. 1:70-72 '65.

## ISOLEUCINE

Biosynthesis of valine and isoleucine in wheat sprouts dihydroxy acid dehydratase. Z. S. Kagan, G. Cholsahner, V. L. Kretovich. Biochimika 29 no. 4:624-635 JI-Ag '64.

## ISOMERIZATION

Isomerization of 1,1,3,3-tetrahalophthalans. L. M. Agapovskii, R. V. Belinskaya. Zhur. ob. khim. 39 no. 8:869-877 Je '63.

Orientation in substitution in the aromatic series. Isomerization of trichlorobenzenes. I. U. G. Erykalov, V. M. Filatov. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 8 no. 1:75-81 '65.

## ISOMERS

General effect and toxicity of stereoisomers of benzoate hydrochloride of 1-ethyl-2-methyl-4-oxydecahydroquinoline and 1-propyl-2-methyl-4-oxydecahydroquinoline. I. I. Chelkova. Trudy Inst. fiziol. AN Kazakh. SSR 7:34-38 '64.

- ISOMERS (Continued)**  
 Effect of pressure on isomeric miscibility. V. A. Kuznetsov. *Gidrol. i geofiz.* no. 3 39-50 '65.
- ISONICOTINIC ACID—THERAPEUTIC USE**  
 Significance of the inactivation of preparations of isonicotinic acid hydrazide in the compound treatment of pulmonary tuberculosis. G. A. Smirnov. *Sov. med.* 8 no. 4 64-70 Ap '65.
- ISOPENTYL ALCOHOL**  
 Effect of structural factors on the thermodynamic characteristics of extraction of the salts of basic dyes. Part I. Composition and structure of solutes in isopentyl alcohol. K. S. Krasov, F. D. Kashurina. *Radiofizika* 7 no. 2 146-151 '65.
- ISOPENTYL ALCOHOL—TOXICOLOGY**  
 Use of an artificial kidney in uremia following poisoning with isopentyl alcohol. M. M. Mendel'son, A. M. Melnikov. *Sov. med.* 8 no. 4 116-118 Ap '65.
- ISOPERMETRICAL PROBLEMS** see Calculus of variations
- ISOTHERMIC SURFACES** see Surfaces, Isothermic
- ISOTOPE EXCHANGE**  
 Determination of the surface area of tetrathiocyanopurpurate by the isotope exchange method. A. V. Gribanov, V. A. Grigor'ev. *Radiofizika* 7 no. 2 252-253 '65.  
 Effect of oxygen sorption by a nickel catalyst and its influence on the kinetics of para-ortho conversion and hydrogen isotope exchange. I. R. Davydova, S. L. Kiferman. *Kin i kat.* 6 no. 1 137-143 Ja-F '65.  
 Isotope exchange in the hydrobiological system and its significance. G. V. Barinov. *Gidrobiol. zhur.* 1 no. 2 27-34 '65.  
 Isotope exchange between cyclohexane and deuterium over vaporized coatings of germanium and silicon. B. S. Gudkov, A. A. Balandin, E. P. Savin. *Izv. AN SSSR, Ser. khim.* no. 6 1120 '65.  
 Kinetics of isotope exchange between hydrogen and water vapors on nickel catalysts. Part I. Effect of transport processes on the reaction rate. E. S. Nedumova, G. K. Borshchov, V. G. Shm'ko. *Kin i kat.* 6 no. 1 65-73 Ja-F '65.  
 Mechanism of adsorption and isotope exchange of CO<sub>2</sub> on MgO and Mg(OH)<sub>2</sub>. O. V. Krylov and others. *Kin i kat.* 6 no. 1 123-126 Ja-F '65.
- ISOTOPES—CONGRESSES**  
 Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i izucheniyu v narodnom khozaystve i nauke. 2d, Moscow, 1957. [Isotopes and radiation in chemistry transactions] *Izotopy i izucheniya v khimii*; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1958. 380 p.
- ISOXAZOLIDINONE**  
 Structure of the enzyme-inhibitor complex of aspartic transaminase with L-cycloserine. M. I. A. Karpelskii, I. U. N. Breusov. *Biofizika* 30 no. 1 153-160 Ja-F '65.
- ISOXAZOLIDINONE—PHYSIOLOGICAL EFFECT**  
 Comparative study of functional and morphological changes in the central nervous system of white rats during the course of intermittent administration of di-cycloserine. I. L. Razumova. *Zhur. vys. nerv. deiat.* 14 no. 6 1090-1099 N-D '64.
- ISSYK-KUL LAKE REGION—ACONTITE**  
 Toxicology of Aconitum karakolicum. V. V. Rikhsavskii. *Trudy Inst. fiziol. AN Kazakh SSR* 7 54-57 '64.
- ITALIAN LANGUAGE—DICTIONARIES—RUSSIAN**  
 Danchevskii, V. I., and B. I. Savelyev, comps. [Italian-Russian military dictionary] *Italiyansko-russkii voennyi slovar'*. Moskva, Voenizdat, 1955. 404 p.
- ITALIAN LANGUAGE—HISTORY**  
 Methods and objectives of the historical study of languages from materials on the Italian language. T. B. Alisova. *Vest. Mosk. un. Ser. 7: Filol.* zhur. 20 no. 1 29-40 Ja-F '65.
- ITALIAN LITERATURE—HISTORY AND CRITICISM**  
 Original study. TS. Kin. *Vop. lit.* 9 no. 3 217-221 Mr '65.
- ITALY—CRIME AND CRIMINALS**  
 Manners of the "free world"; Members of high society. V. Rozen. *Nov. vrem.* 23 no. 27 31 Ji '65.
- ITALY—PESTICIDES**  
 Scientific research work in searching for new pesticides in Italy. K. A. Gai, K. V. Novozhilov. *Khim. v sel'khoz.* 3 no. 5 74-77 My '65.
- ITALY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**  
 Private of a Garibaldi brigade. AN Shchelokov. *Sov. voen.* 47 no. 7 4-5 Ap '65.
- IUZOVSKII, IOSIF IL'ICH, 1902-1904**  
 In memory of a friend. A. Mal'shin. *Teatr.* 26 no. 4 81-86 Ap '65.
- IVANOV, ALEKSANDR ANDREEVICH, 1806-1858**  
 Vagner, L. A. [The last days of Pampol, An oppressed people is portrayed here, Zakharka] *Posledni den' Pampol, Tut izobrazhen ugnemennyi narod, Zakharka, Moskva, Znanie, 1965. 136 p. (Prochti, tovarishchi!)*
- IVANOV PROVINCE—MOTORBUS LINES**  
 Motorbuses with trailers are in service. V. Devulin. *Avi. transp.* 43 no. 2 12-13 F '65.
- IVANOVSKI, DMITRIY IOSIFOVICH, 1864-1920**  
 Pioneer explorer of the world of viruses; on the 100th anniversary of the birth of Dmitrii Iosifovich Ivanovskii (1864-1920). I. I. Milenushkin, V. I. Bnasalkevich. *Vop. virus.* 5 no. 5 521-526 S-O '64.
- IVLEV, VIKTOR SERGEEVICH, 1907-1964**  
 Viktor Sergeevich Ivlev (1907-1964). V. A. Vodnitskii. *Gidrobiol. zhur.* 1 no. 2 71-72 '65.
- IZHEVSK—CONSTRUCTION INDUSTRY—SCHEDULING**  
 Stable technological base is needed. M. Toubkin, L. Golberg. *Nastroi Ros.* 6 no. 6 12-13 Je '65.
- IZHEVSKII, GEORGI KONSTANTINOVICH, 1906-1965**  
 In memory of Georgii Konstantinovich Izhevskii. *Okeanologia* 5 no. 2 382 '65.
- IZHORA (LENINGRAD PROVINCE)—INFORMATION SERVICES**  
 Problems in organizing the introduction of measures taken from literature and advanced practices at the Izhora Plant. I. K. Bogumil'shchik. *NTI* no. 2 9-10 '65.
- JAGATAIC LANGUAGE**  
 The importance of modern Uzbek dialects for the study of the Old Uzbek written language. G. F. Blagova. *Vop. iaz.* 14 no. 1 86-110 Ja-F '65.
- JAM—PACKAGING**  
 Use of polymer films for packaging and storage of jam and fruit pastes. M. I. Soboleva, Kona. I. ov. prom. 20 no. 3 32-35 Mr '65.
- JAPAN—BUDDHA AND BUDDHISM**  
 Buddhism and politics. IU. Kuznetsov. *Az. i Afr. seg.* 8 no. 6 27-28 Je '65.
- JAPAN—CITIES AND TOWNS**  
 Some problems of urban development in Japan. IU. P. Bocharov. *Vop. geog.* no. 66 104-117 '65.
- JAPAN—COOPERATIVE SOCIETIES**  
 Visiting with Japanese cooperators. A. Balashov. *Sov. potrebn. koop.* 9 no. 5 60 My '65.
- JAPAN—COST AND STANDARD OF LIVING**  
 Why do the Japanese workers go on strike. V. Khlynov. *Az. i Afr. seg.* 8 no. 6 16-18 Je '65.
- JAPAN—DESCRIPTION AND TRAVEL**  
 At the entrance to an unknown house (to be continued). Vitalii Ozerov. *Nov. vrem.* 23 no. 27 21-24 Ji '65.
- JAPAN—ECONOMIC CONDITIONS**  
 What is the secret of the Japanese boom? V. Kiklov. *Az. i Afr. seg.* 8 no. 6 7-9 Je '65.
- JAPAN—FOREIGN ECONOMIC RELATIONS—RUSSIA**  
 Japan, our neighbor. *Az. i Afr. seg.* 8 no. 6 2 Je '65.
- JAPAN—FOREIGN RELATIONS**  
 Once more on "the liberating mission" of Japan in Southeastern Asia during the years of the Second World War. S. L. Budkevich. *Nar. Az. i Afr.* no. 3 48-60 '65.
- JAPAN—FOREIGN RELATIONS—KOREA, SOUTH**  
 The stormy end of perennial negotiations. IU. Nikolaev. *Az. i Afr. seg.* 8 no. 6 35, 41 Je '65.
- JAPAN—FOREIGN RELATIONS—UNITED STATES**  
 The conflagration across the river. V. Dal'nov. *Nov. vrem.* 23 no. 25 8-11 Je '65.
- JAPAN—GEOLOGY, STRUCTURAL**  
 Tectonic development in Japan and Sakhalin in the Paleozoic. N. A. Bogdanov. *Izv. AN SSSR, Ser. geol.* 30 no. 6 51-63 Je '65.
- JAPAN—INDUSTRIES**  
 A leap forward. *Az. i Afr. seg.* 8 no. 6 5 Je '65.
- JAPAN—METEOROLOGICAL RESEARCH**  
 State of meteorology in Japan. K. I. Kondrat'ev. *Met. i gidrol.* no. 7 53-55 Ji '65.
- JAPAN—MILITARY POLICY**  
 Japanese militarism; forgetting the lessons of the past. I. Sergienko. *Mezhdunar. zhurn.* 12 no. 7 103-104 Ji '65.
- JAPAN—PEASANTRY**  
 Problems of the Japanese village. G. S. B. *Az. i Afr. seg.* 8 no. 6 20-21 Je '65.
- JAPAN—POLITICS AND GOVERNMENT**  
 Buddhism and politics. IU. Kuznetsov. *Az. i Afr. seg.* 8 no. 6 27-28 Je '65.  
 A meeting with Japanese socialist. *Az. i Afr. seg.* 8 no. 6 14-15 Je '65.
- JAPAN—RELATIONS (GENERAL) WITH RUSSIA**  
 Our relations are improving. *Az. i Afr. seg.* 8 no. 6 3-4 Je '65.
- JAPAN—STRIKES AND LOCKOUTS**  
 Why do the Japanese workers go on strike. V. Khlynov. *Az. i Afr. seg.* 8 no. 6 16-18 Je '65.
- JAPAN—TRUSTS, INDUSTRIAL**  
 Some data on the concentration of production and centralization of capital in Japan based on materials of the Japanese press, 1963-1964. A. I. M. *Nar. Az. i Afr.* no. 3 151-159 '65.  
 What is the secret of the Japanese boom? V. Kiklov. *Az. i Afr. seg.* 8 no. 6 7-9 Je '65.
- JAPAN—WELDING**  
 Welding science and technology in Japan. M. I. I. K. Pokhodina. *Avtom. svary.* 10 no. 5 70-76 Mr '65.
- JAPAN—YOUTH**  
 At the entrance to an unknown house. Vitalii Ozerov. *Nov. vrem.* 23 no. 27 21-23 Ji '65.
- JAPANESE ART INDUSTRIES** see Art Industries, Japanese
- JAPANESE OCCUPATION, 1942-1945** see Subdivision under Asia, Southeastern
- JAPANESE POETRY—HISTORY AND CRITICISM**  
 Write in the new way about the new phenomena in life. *Az. i Afr. seg.* 8 no. 6 31-32 Je '65.
- JASPERS, KARL, 1883-**  
 Problem of the methodology of the history of philosophy. M. K. Mamardashvili. *Vop. filoz.* 10 no. 6 104-111 '65.
- JASSY, BATTLE OF 1944—MEDICAL AND HUMANITARIAN AFFAIRS**  
 In the battle for Kialdnev. I. V. Volat'ko. *Voen. med. zhurn.* 42 no. 5 21-23 My '65.
- JAUNDICE**  
 Some morphological and functional changes in the liver in obstructive jaundice. V. I. Vitlin, V. N. L. *Vost. khir.* 93 no. 11 53-57 N '64.
- JAVA—ALUMINUM**  
 Aluminum and titanium in the crater lake of the Ijen Volcano (Indonesia). K. K. Zelenov. *Izv. AN SSSR, Ser. geol.* 30 no. 6 32-45 My '65.
- JAVA—TITANIUM**  
 Aluminum and titanium in the crater lake of the Ijen Volcano (Indonesia). K. K. Zelenov. *Izv. AN SSSR, Ser. geol.* 30 no. 6 32-45 My '65.
- JAWS—CANCER**  
 Course of reactions of the mucous membrane of the oral cavity in radiotherapy of neoplastic formations of the maxillofacial region and its relation to the x-ray radiation dose. A. S. Pavlov, G. M. Il'inskiy. *Med. zhurn.* 10 no. 5 22-30 My '65.  
 Regional chemotherapy of tumors of the maxilla, the tongue and the pharynx by the carotid plexus and infusion method. D. A. Kuzanekii. *Vop. onk.* 41 no. 1 42-47 '65.
- JAWS—FRACTURE**  
 Apparatuses for the fixation of splinters of the lower jaw in the operation of gluing. I. S. Tikhonov. *Vost. khir.* 93 no. 11 109-110 N '64.
- JET BORING**  
 Determining the effect of counterpressure on the efficiency of sand-jet perforation. IU. B. K. *Neft. i gaz. prom.* no. 2 47-50 Ap-Je '65.  
 Some results of using thermal drills for boring holes in concrete. N. V. Filatov and others. *Izv. vuzovsk. zav. i stol. i arkhiv.* 8 no. 2 104-108 '65.
- JET STREAM** see subdivision under Arctic regions
- JOINTS—DISEASES**  
 (see also subdivision under Amur Valley)  
 Diabetic osteoarthropathy. R. K. Kaluzhenko, G. V. Kudriavtsev. *Probl. endok. i gorm.* 10 no. 6 35-44 S-O '64.

## JOINTS—TUBERCULOSIS

Intraosseous administration of streptomycin in treating osteoarticular tuberculosis. F. Sh. Kuliev. Vest. khim., 93 no. 11:100-103 N '61.

## JOINTS (ENGINEERING)

Calculating the press joint of the tenon and wringing shaft of siring machines. L. N. Ivanov. Nauch.-issl. trudy VNII TEKMA SHA no. 11:47-59 '64.

Characteristics of the structure of the metal of a joint during electron beam welding. N. A. Olshanskii, A. V. Zaitseva. Avtom. svar., 18 no. 3:20-30 Mi '65.

Device for sealing joints. V. Tkachenko. Stroi. tekhnika 12 no. 2:20-30 F '61.

Endurance and creep of glued reinforced concrete joints. R. I. Bergen. Bet. i zhel.-bet. 11 no. 6:21-28 Je '65.

Glued joints in precast reinforced concrete spans. I. N. Serugin and others. Bet. i zhel.-bet. 11 no. 6:28-31 Je '65.

Lukashovich, G. I. [Strength of press-fitted joints with electroplating]. Prochnost' i plessovykh soedinenii s gal'vanicheskimi pokrytiyami. Kiev, Gostekhlizdat USSR, 1961, 59 p.

The OSN-12 automatic welder for welding girth joints. A. A. Chubukov and others. Svar. proizv., no. 4:37-38 Ap '65.

Polymers as fillers of joints in a reinforced concrete road surfaces. P. Dubrovin, M. Spektor, I. U. Starostin, Zhil.-korn.khoz., 15 no. 1:31 Ja '65.

Sealed joints of precast reinforced concrete frames of public buildings. M. P. Prikhodko, Bet. i zhel.-bet. 11 no. 5:11-15 My '65.

Some phenomena during the control of welded joints for impermeability to liquids, review of publication. A. A. Tushchenko. Avtom. svar., 18 no. 3:31-34 Mr '65.

Substantiating the parameters for conditions of automatic welding under flux of butt joints with gaps. V. F. Donchenko. Svar. proizv., no. 5:45-48 My '65.

## JOINTS (ENGINEERING)—CORROSION

Corrosion resistance of H18N9T steel joints welded in carbon dioxide. L. S. Lyshits, N. V. Stinova. Svar. proizv., no. 4:28-31 Ap '65.

## JOINTS (ENGINEERING)—DEFECTS

Causes of pore formation in titanium welded joints. A. I. Gorskikh. Svar. proizv., no. 1:25-28 Ap '65.

## JOINTS (ENGINEERING)—TESTING

Inspecting the metal of steam boilers. Sh. TS. Gollanskii. Bezop. truda v prom. 9 no. 3:28-30 Mr '65.

Investigating the strength of bolted joints. L. D. Aison, T. I. Seifi. Vest. mashinost. 45 no. 5:22-25 My '65.

Methods of rating forces needed for the tearing apart of welded strip. I. I. Perlin, I. G. Kirpa. TSvet. met. 38 no. 3:80-83 Mr '65.

Segregation of hydrogen in welds. I. S. Sapiro, V. A. Maslov. Avtom. svar., 18 no. 5:17-19 My '65.

## JOURNALISM, AGRICULTURAL

Signs of the new trend. Part zhizn' no. 12:71-77 Je '65.

## JOURNALISM, MILITARY

The readers discuss the work of the periodical. Mor. sbor., 47 no. 5:93-95 My '64.

## JUDGES

(see also subdivision under Azerbaijan; Lithuania) People's assessors. G. Anashkin. Sots. zakon., 42 no. 3:14-17 Mr '65.

## JUNCTION TRANSISTORS

P-n junctions with negative resistance. G. B. Abdullaev, Z. A. Alimova, D. T. Guseinov. Izv. AN Azerb. SSR. Ser. fiz.-tekhn. i nat. nauk. no. 6:47-51 '64.

Semiconductor laser on a p-n junction of the compound CdAs<sub>2</sub>. G. X. N. G. Bnsoev and others. Fiz. tver. tela 7 no. 6:1002-1004 Je '65.

Superconductivity in semiconductors. B. M. Vul, A. S. Selivanenko. Fiz. tver. tela 7 no. 6:1878-1877 Je '65.

Theory of electron-hole transitions. L. V. Postnikov, T. M. Taitovich. Izv. vyz. ucheb. zav., radiofiz. 8 no. 2:392-399 '65.

## JURISDICTION

Jurisdiction in civil litigations. V. Taranenko. Sov. iust. 20 no. 9:22-24 My '65.

## JUSTICE, ADMINISTRATION OF

(see also subdivision under Germany, East; Kirghizistan; Krasnodar; Lithuania; Poland) Constant study, generalize and disseminate advanced experience. Sov. iust., 20 no. 11:1-3 Je '65.

In the Procuracies and Supreme Courts of the Union Republics. Sots. zakon. 42 no. 2:79 F '65.

In the Supreme Courts and Procuracies of the Union Republics. Sots. zakon. 42 no. 3:90-91 Mr '65.

Ordinary Plenum of the Supreme Court of the U.S.S.R. Sots. zakon. 42 no. 2:25-26 F '65.

Ordinary Plenum of the Supreme Court of the U.S.S.R. Sots. zakon. 42 no. 9:7-9 Je '65.

## JUTE

Quantitative determination of cardiac jute glycosides. G. L. Genkina, N. K. Abubakirov. Uzb. khim. zhur., 9 no. 1:18-22 '65.

## JUVENILE COURTS

Distinctive characteristics of criminal proceedings in juvenile cases. B. M. Spiridonov. Vest. Mosk. un. Ser. 10. Pravo. 20 no. 1:33-12 Ja-Mi '65.

## JUVENILE DELINQUENCY

(see also subdivision under Adzharia)

Important ways of preventing juvenile crime. V. Klimov. Sov. iust. 20 no. 6:24-26 My '65.

Let us study more deeply the causes and circumstances which induce the commission of acts of hoodlums by juveniles. K. Prikhodko. Sov. iust., 20 no. 11:16 Je '65.

Mental characteristics typical for the age group of juvenile delinquents. A. Sakharov. Sots. zakon. 42 no. 6:13-15 Je '65.

## JUVENILE DELINQUENCY—CONGRESSES

Current problems of the struggle against juvenile delinquency in socialist society, a symposium in Berlin. Sots. zakon. 42 no. 2:71-74 F '65.

## KABAK, IAKOV MIKHAILOVICH, d. 1964

In memory of Professor I. A. M. Kabak. Probl. endok. i gorm., 10 no. 4:127 Ji-Ag '64.

## KABARDINO-BALKAR A.S.S.R.—AREA STUDIES

Local lore study in the schools of the Kabardino-Balkar A.S.S.R. Sh. Cherenov. Nar. obz., no. 6:14-17 Je '65.

## KABARDINO-BALKAR A. S. S. R.—CAPITAL INVESTMENTS

Issuing credit for capital investments. I. U. Zhangeriev. Den. i kred., 23 no. 6:58-59 Je '65.

## KABARDINO-BALKAR A. S. S. R.—CREDIT

Issuing credit for capital investments. I. U. Zhangeriev. Den. i kred., 23 no. 6:58-59 Je '65.

## KACHALOV, VASILII IVANOVICH, 1875-1948

Kachalov. A. Mariangof. Teatr. 26 no. 6:83-80 Je '65.

## KACHINSKII, NIKODIM ANTONOVICH, 1894-

70th birthday of Nikodim Antonovich Kachinskii. Poch. vovedenie no. 3:105-106 Ma '65.

## KACHKANAR MOUNTAIN (SVERDLOVSK PROVINCE)—TITANOMAGNETITE

Characteristics of making vanadium cast iron from titanomagnetite ores from the Kachkanar deposit. E. Z. Frodenzon and others. Stal' 25 no. 6:462-467 Je '65.

## KAFAN DISTRICT—ORE DEPOSITS

Geology of vein rocks in the Kafan ore zone. E. G. Malkhasian. I. U. A. Lelo. Dokl. AN Arm. SSR. 40 no. 1:225-231 '65.

## KAFAN DISTRICT—ROCKS, IGNEOUS

Geology of vein rocks in the Kafan ore zone. E. G. Malkhasian. I. U. A. Lelo. Dokl. AN Arm. SSR. 40 no. 1:225-231 '65.

## KAKHOVKA HYDROELECTRIC POWER STATION

Enclosed 154 kv. power distribution system of the Kakhovka Hydroelectric Power Station. V. P. Bilmerberg. Elek. sta. 38 no. 4:79-80 Ap '65.

## KALACH-ON-DON DISTRICT—EDUCATION, PRE-SCHOOL

It is better from year to year. M. Lekomtseva. Doshk. vosp. 38 no. 4:63 Ap '65.

## KAL'DZHIR VALLEY—GEOLOGICAL TIME

Age of metamorphic rocks in the Kurchum-Kal'dzhir watershed (southeastern part of the Irtys' shear zone). B. I. Khoreva. Izv. AN SSSR, Ser. geol., 30 no. 6:39-50 Je '65.

## KALININ—TRANSPORTATION, AUTOMOTIVE—FREIGHT

Improve the organization of interurban haulage. S. Nesterenko. Avi. transp. 43 no. 2:13-14 F '65.

## KALININGRAD PROVINCE—MUNICIPAL SERVICES

Obtaining the greatest results with the least expense. V. Konstantinov. Zhil.-korn.khoz., 15 no. 1:15-16 Ap '65.

## KALLAI, GYULA, 1910-

People and events: Gyula Kallai; Muhammed Ahmed Mahgoub. Nov. vrem., 23 no. 28:11, 29 Ji '65.

## KALMYK A.S.S.R.—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Jurassic and Lower Cretaceous sediments in Astrakhan Province and areas adjacent to the Kalmyk A. S. S. R. A. N. Ivanova and others. Trudy VNIIIGG no. 1:78-86 '64.

## KALUGA—TECHNOLOGY—INFORMATION SERVICES

Reviewer groups at the "Kalugapribor" Plant. I. A. Raitsev. NTI no. 3:18 '65.

## KALLAI, GYULA, 1910-

People and events: Gyula Kallai; Muhammed Ahmed Mahgoub. Nov. vrem., 23 no. 28:11, 29 Ji '65.

## KALUGA—VIEWS

[Kaluga; a photographic album. Kaluga]; fotoal'bom. [Kalinin, Kaluzhskoe knizhnoe izd-vo, 1961] 1 v. (chitet-ly illuz.)

## KALUGA PROVINCE—INDUSTRIAL SAFETY

In search of new methods. G. Sinlavskii, V. Novosel'tsev. Okhr. truda i sots. strakh. 8 no. 5:28 My '65.

## KALUGA PROVINCE—MINERAL WATERS

Mineral waters of Kaluga Province. V. V. Morokhovskaya. Uch. zap. MOPI 124:217-241 '63.

## KAMA RIVER—SHIPPING

Possibilities of reducing the shipping costs of cement. A. Kaplan. Rech. transp., 23 no. 12:7-8 D '61.

## KAMA VALLEY—GAS WELL LOGGING

Using the data of gas logging in the study of the gas and oil potentials of Carboniferous sediments in the Perm Province portion of the Kama Valley. R. N. Dozortsev, I. U. M. Kuklev. Gaz. prom., 10 no. 5:10-14 '65.

## KAMA VALLEY—OIL WELL LOGGING

Using the data of gas logging in the study of the gas and oil potentials of Carboniferous sediments in the Perm Province portion of the Kama Valley. R. N. Dozortsev, I. U. M. Kuklev. Gaz. prom., 10 no. 5:10-14 '65.

## KAMCHATKA—AFFORESTATION

Afforestation of sandy soils of the little "dry" rivers in central Kamchatka. N. E. Kabanov. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk. no. 3:62-70 '64.

## KAMCHATKA—EARTHQUAKES

General characteristics in strain directions operating in the focuses of earthquakes in the Kurile-Kamchatka seismic region. V. N. Aver'yanova. Geotekhnika no. 3:95-98 My-Je '65.

## KAMCHATKA—GEOLOGY, STRATIGRAPHIC

Alnay series of Kamchatka. I. U. B. Gladkov. Izv. AN SSSR, Ser. geol. 30 no. 5:121-127 My '65.

## KAMCHATKA—GEOLOGY, STRUCTURAL

Inherited and superimposed structures of Kamchatka and their role in the distribution of volcanoes. V. I. Tikhonov. Trudy GIN no. 89:7-27 '63.

## KAMCHATKA—REFORESTATION

Microclimate and developmental cycle of plants on the cutovers of Kamchatka. I. N. Elagin. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk. no. 3:71-76 '64.

## KAMCHATKA—VOLCANOES

Inherited and superimposed structures of Kamchatka and their role in the distribution of volcanoes. V. I. Tikhonov. Trudy GIN no. 89:7-27 '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

## KAMENETS-PODOLSKIY—TOMATOES—FERTILIZERS AND MANURES

Effect of the use of fertilizers before sowing and mechanized cultivation on the yield of tomatoes grown without transplanting. Vest. sel'khoz. nauk. 3 no. 8:37-40 Ag '63.

- KARADAG (AZERBAIJAN)—CONDENSATE OIL WELLS**  
Petroleum, the oil fringe of the VII horizons of the Karadag gas condensate field. A. G. Darmish'yan, E. I. Petrushevskii. *Vest' Khim.* 43 no. 3 47-52 Mr '65.
- KARAGANDA—IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES**  
Automation and mechanization of industrial processes at the Karaganda Metallurgical plant. V. G. Aienichenko, H. A. Slivchenko. *Metallurg* 10 no. 6 35 Je '65.
- KARAGANDA—SINTERING**  
Practice in the utilization of the sintering shop of the Karaganda Metallurgical Plant. L. E. Namiatova, G. N. Namiatova. *Biol. tekhn. i ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5 6-7 My '65.
- KARAGANDA BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES**  
In the Karaganda Basin. P. K. Matonin. *Ugol'* 40 no. 5 48-50 My '65.
- KARAGANDA BASIN—COAL MINES AND MINING—QUALITY CONTROL**  
Everybody is responsible for quality. V. Skorobogatov. *Nar. khoz. Kazakh.* 23 no. 3 12-15 Mr '65.
- KARAGANDA PROVINCE—COMMUNIST COMPETITION**  
Leaders of financial organs of Karaganda Province. K. Badin. *Fin. SSSR* 39 no. 6 64-66 Je '65.
- KARAGANDA PROVINCE—FINANCIAL EMPLOYEES**  
Leaders of financial organs of Karaganda Province. K. Badin. *Fin. SSSR* 39 no. 6 64-66 Je '65.
- KARAKUL' DISTRICT—HOOKWORM DISEASE**  
Organization of measures for the eradication of an angiostrongylosis focus in Karakul' District, Bukhara Province. F. A. Zhitnitskaya and others. *Med. paraz. i paraz. bol.* 33 no. 6 707-710 M-D '64.
- KARAMAZAR MOUNTAINS—GEOLOGY**  
*Akademii nauk SSSR, Institut geologii rudnykh mestorozhdenii, petrografi, mineralogi i geokhimi.* [Geology of lead-zinc deposits in the Kansay ore zone] Geologia svintsovo-tsinkovykh mestorozhdenii Kansaiskogo rudnogo polia. Moskva, Nauka, 1965, 200 p.
- KARAMAZAR MOUNTAINS—GEOLOGY, STRUCTURAL**  
Some characteristics of the geological structure of the Kurusay deposit. Sh. Kh. Rakhimov. *Uzb. geol. zhur.* 9 no. 2 62-69 '65.
- KARAMAZAR MOUNTAINS—LINARITE**  
Linarites in the southwestern Karamazar Mountains. M. R. Fakueev. *Zap. Uz. old. Vses. min. ob-va* no. 16: 24-29 '64.
- KARAMAZAR MOUNTAINS—MINERALS**  
New minerals in one of the areas of the Altyn-Topkan ore zone. E. A. Korotkova. *Zap. Uz. old. Vses. min. ob-va* no. 16: 30-34 '64.
- KARAMAZAR MOUNTAINS—ORE DEPOSITS**  
*Akademii nauk SSSR, Institut geologii rudnykh mestorozhdenii, petrografi, mineralogi i geokhimi.* [Geology of lead-zinc deposits in the Kansay ore zone] Geologia svintsovo-tsinkovykh mestorozhdenii Kansaiskogo rudnogo polia. Moskva, Nauka, 1965, 200 p.
- Some characteristics of the geological structure of the Kurusay deposit. Sh. Kh. Rakhimov. *Uzb. geol. zhur.* 9 no. 2 62-69 '65.
- KARATAU—FERTILIZER INDUSTRY**  
Shein, A. I., and F. M. Nigeli. Karatau, Alma-Ata, Izd-vo "Kazakhstan," 1965, 81 p.
- KARATAU—GEOCHEMICAL PROSPECTING**  
Correlation of Pb, Zn, Bi, Mo, Ag, Mn, and Ti concentration in plants, rocks and Sierozems. N. A. Poluzerov. *Izv. AN Kazakh SSR, Ser. biol. nauk* 3 no. 1 28-37 Ja-F '65.
- KARATAU—GEOLOGICAL TIME**  
New data on the age of phosphorites in the Karatau. B. M. Keller, N. V. Pokrovskaya. *Izv. AN SSSR, Ser. geol.* 30 no. 6 78-91 Je '65.
- KARATAU—PHOSPHORITES**  
New data on the age of phosphorites in the Karatau. B. M. Keller, N. V. Pokrovskaya. *Izv. AN SSSR, Ser. geol.* 30 no. 6 78-91 Je '65.
- Shein, A. I., and F. M. Nigeli. Karatau, Alma-Ata, Izd-vo "Kazakhstan," 1965, 81 p.
- KARELIA—BRUCELLOSIS—PREVENTION**  
Practices in ridding farms of brucellosis of animals. A. Burakasskas and others. *Veterinariia* 42 no. 6: 13-17 Je '65.
- KARELIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**  
Ovchinnikov, N. E. [Force of the living world] Sila zhivogo slova. Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964, 46 p. (CS-H)
- KARELIA—FORESTS AND FORESTRY**  
Concerns of a forested region. V. Chupli. *Oktiabr'* 41 no. 4 165-170 Ap '65.
- KARELIA—LAKES—MICROBIOLOGY**  
Microbiological study of Lake Onega, Vygozero Reservoir and lakes of the White Sea-Baltic Canal region. V. I. Romanenko. *Mikrobiologiya* 34 no. 2 350-356 Mr-Apr '65.
- KARELIA—SANATORIUMS**  
Sanatorium beyond the Arctic Circle. N. Zaitsev. *Okhr. truda i sots. strakh.* 8 no. 6 34 My '65.
- KARELIA—SOILS—CLASSIFICATION**  
Classification of cultivated soils as exemplified in Karelia. A. V. Mizerov. *Pochvovedenie* no. 3 36-46 Mr '65.
- KARELIA—WORLD WAR, 1939-1945—PERSONAL NARRATIVES**  
*Kommunisticheskaia partiia Sovetskogo Soyuza, Karelskii oblastnoi komitet, Partinnyi arkhiv.* [In the terrible years, material on the heroic deeds of Karelian women in the years of the Great Patriotic War, 1941-1945] V groznye gody, sbornik materialov o gerioicheskikh podvigakh zhenshchin Karelii v gody Velikoi Otechestvennoi voyny, 1941-1945 gg. Petrozavodsk, Karelskoe knizhnoe izd-vo, 1964, 157 p. (NIC)
- KARNY, ALFONS, 1901-**  
Sculpture by Alfons Karny. L. Urazova. *Iskusstvo* 28 no. 3 30-35 '65.
- KARST** see subdivision under Crimea; Dalmatia; Ustyurt Upland
- KARYOKINESIS**  
Indices of the mitotic activity of the bone marrow in healthy people. G. I. Alekseev. *Probl. gemat. i perel. krovi* 10 no. 4 34-38 Ap '65.
- Mitogenic radiation as chemiluminescence. Interrelation between fluorescence processes and those similar to phosphorescence in living systems. A. A. Gurvich, V. F. Eremin. *Trudy MOIP, Otd. biol.* 21:135-141 '65.
- Mitogenic irradiation of the neuromuscular system as a method for the analysis of molecular substrates and of the concept of excitability. A. A. Gurvich. *Trudy Inst. norm. i pat. fiziol. AN SSSR* 7:30-40 '64.
- KASHIN (KALININ PROVINCE)—HEALTH RESORTS, WATERING PLACES, ETC.**  
The Kashin balneological resort. V. V. Morokhovskaya. *Uch. zap. MOPI* 124:243-270 '63.
- KASHIN (KALININ PROVINCE)—MINERAL WATERS**  
The Kashin balneological resort. V. V. Morokhovskaya. *Uch. zap. MOPI* 124:243-270 '63.
- KASHIRIN, NIKOLAI DMITRIYEVICH, 1888-1937**  
Gerasimov, P. M. [Valiant army commander] Doblestnyi komandarm, Moskva, Politizdat, 1965, 78 p. (Geroi i podvigi)
- KASSIL', LEV ABRAMOVICH, 1905-**  
Writer and educator. I. Lidina. *Nar. obr.* no. 7 90-92 Ji '65.
- KAUNAS—BUDGET**  
Public participation and the carrying out of the budget. V. Meidunas. *Fin. SSSR* 39 no. 6 62-63 Je '65.
- KAUNAS—CHEMICAL INDUSTRIES**  
The largest in Europe. A. Bruchas, A. Barlasas. *NTO* 7 no. 5 30-31 My '65.
- KAVALEROVO REGION (MARITIME TERRITORY)—ORE DEPOSITS**  
Effect of structural factors on mineralization zoning in the tin ore deposits of the Kavalerovo region. E. P. Saprykin. *Geol. i geofiz.* no. 3 169-172 '65.
- KAZAKHSTAN—ACCOUNTING**  
Economy and regularity. Z. Shizneva, A. Panarin. *Nar. khoz. Kazakh.* 23 no. 3 27-31 Mr '65.
- KAZAKHSTAN—AGRICULTURE**  
[Fruits of the land; sketches on the virgin lands] Khlebsol'; ocherki o tsel'ne. Alma-Ata, Kazgossiltizdat, 1964, 320 p. (DNAL)
- KAZAKHSTAN—ANAPHALIS**  
Reaction of the blood vessels of the isolated liver of guinea pigs to the preparations from *Anaphalis velutina* Krasch. K. I. Sivertsev. *Trudy Inst. fiziol. AN Kazakh SSR* 7:14-16 '64.
- KAZAKHSTAN—BARITE**  
"Milonization" of barites as an index of the intensity of mineral deformations in the Uspenskoye copper deposit. E. I. Patalakha. *Izv. AN Kazakh SSR, Ser. geol.* 22 no. 1 62-74 Ja-F '65.
- KAZAKHSTAN—BEEF CATTLE—FEEDING AND REARING**  
Effect of finishing conditions on the quality of meat in young Red Steppe cattle. P. I. Satalov. *Vest' sel'sk. khoz. nauki [Kazakh]* 8 no. 2 26-29 F '65.
- KAZAKHSTAN—BOOKSELLERS AND BOOKSELLING**  
Books and life. A. Zayuln. *Kulzh. torg.* 16 no. 1 4-6 Mi '65.
- If they love books. I. Topchikova. *Kulzh. torg.* 16 no. 3 34-35 Mi '65.
- Take care of the people's property. G. Aitoshkin. *Kulzh. torg.* 16 no. 1 24-27 Mi '65.
- KAZAKHSTAN—CONCRETE**  
How to prepare good and inexpensive concrete. M. Z. Anshuk. *Nar. khoz. Kazakh.* 23 no. 3 67-68 Mi '65.
- KAZAKHSTAN—CONSTRUCTION INDUSTRY**  
Honorable duty of the builder. *Nar. khoz. Kazakh.* 23 no. 3 3-6 Mi '65.
- KAZAKHSTAN—EDUCATION**  
Nechitailo, G. V. [Activities of rural district soviet of workers' deputies in the field of public education, culture and public health] Delat'nost' sel'skikh raionnykh sovetov deputatov trudashchikstva v oblasti obrazovaniya, kul'tury i zdorovoookhraneniya. Almaty, Nauka, 1964, 101 p. (CS-H)
- KAZAKHSTAN—FOREST ECOLOGY**  
Classification of the types of isolated highland pine forests in the Central Kazakhstan Peneplain and the Kalba Range. L. N. Gribanov. *Vest' sel'sk. khoz. nauki [Kazakh]* 8 no. 2 73-87 F '65.
- KAZAKHSTAN—GAS, NATURAL—GEOLOGY**  
Structural characteristics and prospects for finding oil and gas in the Mesozoic sediments of southern Kazakhstan. N. I. Kurnin. *Geotektonika* no. 3 37-46 My-Je '65.
- KAZAKHSTAN—GEOLOGY—STUDY AND TEACHING**  
K. I. Sapozov. Geological Institute of the Academy of Sciences of the Kazakh S.S.R. (On the results of scientific activities). A. A. Akbulina, S. Zh. Zhupardina. *Izv. AN Kazakh SSR, Ser. geol.* 22 no. 1 91-95 Ja-F '65.
- KAZAKHSTAN—GEOLOGY, STRUCTURAL**  
Alpine tectonics of southern Kazakhstan. V. I. Nechaev. *Izv. AN Kazakh SSR, Ser. geol.* 22 no. 1 10-20 Ja-F '65.
- Characteristics of the Lower Paleozoic history of the geological development in the northeastern part of the Kokchetav anticlinorium (northern Kazakhstan). V. I. Votchkina. *Izv. AN SSSR, Ser. geol.* 30 no. 5 60-63 My '65.
- KAZAKHSTAN—GRAIN—DISEASES AND PESTS**  
Exterminate the cutworm *Hadena*. G. Kh. Shek. *Zemledelie* 27 no. 5 63-65 My '65.
- KAZAKHSTAN—GRAIN—TRANSPORTATION**  
Be prepared for an organized, continuous unloading of motor trucks during the procurement period. M. I. Khor. *Muk. i elev. prom.* 31 no. 3 16 Ma '65.
- KAZAKHSTAN—GRAIN HANDLING**  
Problems of the preparation of the technical equipment in Kazakhstan. O. Kasimov. *Muk. i elev. prom.* 31 no. 3 8-9 Mr '65.
- KAZAKHSTAN—HORSE BREEDS**  
Adayevka horses. A. Imanaliev. *Vest' sel'sk. khoz. nauki [Kazakh]* 8 no. 2 30-31 F '65.
- KAZAKHSTAN—LISTERIOSIS—PREVENTIVE MEASURES**  
Testing live avirulent *Listeria* vaccine produced by the Alatau Veterinary Institute under fair conditions. H. A. Khambullin. *Vest' sel'khoz. nauki [Kazakh]* 8 no. 2 46-50 F '65.
- KAZAKHSTAN—MACHINERY—FOUNDATIONS**  
Precast-solid foundations. A. Matakevich. *Nar. khoz. Kazakh.* 23 no. 3 66 Mr '65.
- KAZAKHSTAN—MACHINERY INDUSTRY—LABOR PRODUCTIVITY**  
Ashimbaev, T. A., T. B. Baltulshayev, and T. I. Kovalevskaya. [Labor productivity of Kazakhstan's machinery industry and the factors of its growth] Produktivnost' truda v mashinostroenii Kazakhstana i faktory ee rosta. Alma-Ata, Nauka, 1965, 209 p.
- KAZAKHSTAN—MANUFACTURES**  
Goods, store, and customer. V. Maksimov. *Nar. khoz. Kazakh.* 23 no. 3 68-70 Mr '65.
- Methods used in the Kazakhstan S.S.R. for the control of consumers' goods assortment. V. Pavlichkov. *Tekhn. sci.* no. 4 6 Ap '65.
- KAZAKHSTAN—MATERIALS**  
Planned... overexpenditure. A. Zhuravkov. *Nar. khoz. Kazakh.* 23 no. 3 36-38 Mr '65.

#### **AZAKHSTAN—MEDICINE, INTERNAL**

Application of Ziziphora Bunge in a clinic of internal diseases. M. P. Avelin. Trudy Inst. fiziol. AN Kazakh. SSR 7:70-73 '64

#### **KAZAKHSTAN—MINERALOGY**

'Milonization' of barites as an index of the intensity of mineral deformations in the Uspenskoye copper deposit. I. I. Patalakha. Izv. AN Kazakh SSR Ser. geol. 22 no. 1:62-74 Jan '65

#### **KAZAKHSTAN—MINING ENGINEERING**

Economical and expedient. N. Kononov. Nar. khoz. Kazakh. 23 no. 3:66-67 Mar '65.

#### **KAZAKHSTAN—ORE DEPOSITS—MICROBIOLOGY**

Microbiological characteristics of some ore deposits of central Kazakhstan. N. N. Lialikova, G. A. Sokolova. Mikrobiologiya 34 no. 2:335-343 Mar-Apr '65.

#### **KAZAKHSTAN—PETROLEUM GEOLOGY**

Structural characteristics and prospects for finding oil and gas in the Mesozoic sediments of southern Kazakhstan. M. I. A. Kunin. Geotekhnika no. 3:37-48 May-June '65.

#### **KAZAKHSTAN—PLACER DEPOSITS**

Pre-Cambrian zircon-rutile placers of the Kokchetav anticlinorium (northern Kazakhstan). Izv. AN Kazakh. SSR. Ser. geol. 22 no. 1:21-31 Jan '65

#### **KAZAKHSTAN—PLANTS, PROTECTION OF—RESEARCH**

In the Kazakh Institute of Plant Protection. V. S. Zashch. rast. ot vred. i bol. 10 no. 4:50-59 '65

#### **KAZAKHSTAN—POTATOES—DISEASES AND PESTS**

Cultivation practices in the control of Fusarium wilt of potatoes. S. Bubentsov. Zashch. rast. ot vred. i bol. 10 no. 5:34-35 '65

#### **KAZAKHSTAN—PRODUCTION STANDARDS—CONGRESSES**

Establishment of work norms should be put on a scientific basis. Nar. khoz. Kazakh. 23 no. 3:17-21 Mar '65.

#### **KAZAKHSTAN—PUBLIC HEALTH**

Nechitailo, G. V. [Activities of rural district soviets of workers' deputies in the field of public education, culture and public health] Deiatel'nost' sel'skikh rayonnykh sovetoov deputatov trudiaschikh v oblasti narodnogo obrazovaniia, kul'tury i zdoravookhraneniia. Alma-Ata, Nauka, 1964. 101 p. (CS-11)

#### **KAZAKHSTAN—RAILROADS—MAINTENANCE AND REPAIR**

Preventing washouts. E. E. Bunin. Put' i put. khoz. 8 no. 3:25 '65.

#### **KAZAKHSTAN—RESEARCH**

Outer space, production, and economics. Nar. khoz. Kazakh. 23 no. 3:76-70 Mar '65

#### **KAZAKHSTAN—RETAIL TRADE**

Goods, store, and customer. V. Maksimov. Nar. khoz. Kazakh. 23 no. 3:68-70 Mar '65.

#### **KAZAKHSTAN—ROCKS, IGNEOUS**

New data on the geology of the Kubasadyr Massif of alkali rocks. A. N. Nuriyev, V. K. Monich, A. G. Panchenko. Izv. AN Kazakh SSR. Ser. geol. 22 no. 1:57-61 Jan '65.

#### **KAZAKHSTAN—SHALE**

Keramzit foam concrete on a base of keramzit obtained from Kazakh clay shale. B. L. Shuster, V. I. Savin, P. M. Reznichenko. Bet i zhel.-bet. 11 no. 5:38-40 May '65.

#### **KAZAKHSTAN—SHEEP—DISEASES AND PESTS**

Use of native antibiotics in sheep husbandry. P. M. Butov, V. I. Kuznetsov. Vest. sel'khoz. nauki (Kazakh) 8 no. 2:44-46 Feb '65.

#### **KAZAKHSTAN—SOVIETS**

Nechitailo, G. V. [Activities of rural district soviets of workers' deputies in the field of public education, culture and public health] Deiatel'nost' sel'skikh rayonnykh sovetoov deputatov trudiaschikh v oblasti narodnogo obrazovaniia, kul'tury i zdoravookhraneniia. Alma-Ata, Nauka, 1964. 101 p. (CS-11)

#### **KAZAKHSTAN—STEAM FLOW**

Steam is regulated by automata. K. I. Usupova. Nar. khoz. Kazakh. 23 no. 3:67 Mar '65.

#### **KAZAKHSTAN—SUGAR BEET MACHINERY**

Sugar beet growing by K. I. Luk'ianov's team. G. Stetsenko. Tekh. v. sel'khoz. 26 no. 5:6-8 May '65.

#### **KAZAKHSTAN—WEED CONTROL**

Example is worth emulation. V. Savdarg. Zashch. rast. ot vred. i bol. 10 no. 4:9-10 '65.  
Problems of weed control. N. Zaikin. Zashch. rast. ot vred. i bol. 10 no. 5:60 '65.

#### **KAZAKHSTAN—WOOL**

Let's give more attention to the "golden fleece." M. Morozov. Sov. potreb. koop. 9 no. 3:10-11 Mar '65

#### **KAZAKHSTAN—ZIZIPHORA**

Phytochemical study of Ziziphora Bunge. A. G. Palagutin. Trudy Inst. fiziol. AN Kazakh. SSR 7:26-27 '64.

#### **KAZAN—COLD STORAGE WAREHOUSES**

New cold storage warehouse in Kazan. A. V. Brailovskii, P. M. Dokuskin. Khol. tekhn. 42 no. 1:62 Jan '65

#### **KAZAN—OPERA**

Fifth opening night. G. Kasatkina. Sov. muz. 29 no. 3:46-40 Mar '65.

#### **KAZAN REGION—FIRES AND FIRE PREVENTION**

In the villages and in the city. A. Sokolov. Pozh. delo no. 5:30 May '65

#### **KEMEROVO PROVINCE—FISH CULTURE**

First steps of the Kemerovo fish culturists. F. Tikhonov. Sov. potreb. koop. 9 no. 5:34 May '65

#### **KENT, ROCKWELL, 1882-**

Kent, Rockwell. [It's me, O Lord; the autobiography of Rockwell Kent. Translated from the English] Eto ia Gospod; avtobiografiia Rokuella Kenta. Moskva, Iskusstvo, 1965. 346 p.

#### **KENYA—AGRICULTURAL POLICY**

Fate of "White upland" in Kenya. I. Matsenko. Mir. ekon. i mezhdunar. otn. no. 7:108-107 '65.

#### **KERAMZIT**

(see also subdivision under Ukraine)  
Characteristics of the mineralogical and chemical composition of clays useful for the production of keramzit. III M. Alekseev, V. L. Korzhahin. Geol. zhur. 25 no. 2:80-83 '65  
Mixing the duration of the vibration compaction of keramzit concrete mixes during the casting of products. I. G. Sarapin, M. I. Kondrat'ev. Stroitel'stvo, 11 no. 4:36-37 Apr '65.

#### **KERIKOV, OLEG VASIL'EVICH, 1906-1965**

O. V. Kerikov; an obituary. Zhur. nevri. i psikh. 85 no. 6:955-956 '65.

#### **KERCH PENINSULA—MINERALS**

Smaylite from iron ore sediments in the Kerch Peninsula. F. V. Chukrov and others. Lit. i pol. iskop. no. 2:60-69 Mar-Apr '65

#### **KERCH STRAIT—PLANKTON**

Causes of the appearance of smoothed stretches and patches on the sea surface. A. I. Babkov. Okeanologiya 5 no. 2:322-324 '65.

#### **KET LANGUAGE—VERB**

Interrupted verbal stems in the Ket language. E. A. Kleinovich. Vop. iaz. 14 no. 3:118-130 May-June '65.

#### **KETENE**

Synthesis of 1,3-oxazine derivatives based on diketene. V. I. Gumar, L. F. Ovchinnikova, S. I. Zay'lov. Izv. AN SSSR. Ser. khim. no. 8:1076-1077 '65.  
O-(trialkylallyl)-O-methyl ketene acetals. Thermal decomposition and reaction with ketene. G. S. Durlachenko, I. U. Baukov, I. E. Lutsenko. Zhur. ob. khim. 35 no. 8:933-934 May '65.

#### **KETONES**

Behavior of polonium in ketones and mixed aqueous acetone solutions. I. E. Starik, B. S. Kuznetsov, N. I. Ampel'ogova. Radiokhimiia 7 no. 2:196-199 '65.

Condensation of acetylenic acetals with ketones. Zh. A. Krasnaya, V. F. Kucherov. Izv. AN SSSR. Ser. khim. no. 8:1070-1072 '65.

Effect of ketones on the behavior of polonium in hydrochloric acid solutions. I. E. Starik, N. I. Ampel'ogova, B. S. Kuznetsov. Radiokhimiia 7 no. 2:199-203 '65.

Fluoroaliphatic diazo compounds. Report No. 21: α-Diazo-perfluoro ketones. B. L. Diatkin, E. P. Mochalina. Izv. AN SSSR. Ser. khim. no. 8:1035-1039 '65.

Hydration of vinylacetylene to methyl vinyl ketone by means of sulfuric acid solutions of cuprous oxide. Part 1: Solubility of vinylacetylene in sulfuric acid solutions of cuprous oxide. N. G. Karpetskaia, A. S. Tarakanova, A. N. Lumbimova. Izv. AN Arm. SSR. Khim. nauki 17 no. 4:398-400 '64.

Synthesis and study of the products of furfural condensation with higher aliphatic ketones and polymers based on them. Z. Usmanov, I. V. Kamenskii, I. P. Losev. Uzb. khim. zhur. 9 no. 1:47-51 '65.

Synthesis of fluorinated aliphatic aromatic diketones. A. I. Akubovich, E. L. Zaitseva, V. P. Bazov. Zhur. ob. khim. 35 no. 5:848-850 May '65.

#### **KEYBOARD HARMONY see Harmony, Keyboard**

#### **KHABAROVSK—ADVERTISING—AERONAUTICS, COMMERCIAL**

According to the principle: He who seeks shall find. L. Sergeev. Grazhd. av. 19 no. 6:23 June '65.

#### **KHABAROVSK—AERONAUTICS, COMMERCIAL**

A young generation which fights... A. Babukh. Grazhd. av. 18 no. 5:18 May '62

#### **KHABAROVSK—AIRPORTS—LABOR PRODUCTIVITY**

You are the master of production. F. Fokin. Grazhd. av. 19 no. 5:18 May '62

#### **KHABAROVSK—COMMUNIST YOUTH LEAGUE**

A young generation which fights... A. Babukh. Grazhd. av. 19 no. 5:18 May '62

#### **KHABAROVSK—WORKS COUNCILS**

You are the master of production. F. Fokin. Grazhd. av. 19 no. 5:18 May '62

#### **KHACHMAS REGION (AZERBAIJAN)—WEEDS**

Weeds of the Caspian and Khachmas Lowlands. M. P. Bogdanov. Izv. AN Azerb. SSR. Ser. biol. nauk no. 6:3-10 '64

#### **KHAKASS AUTONOMOUS PROVINCE—RURAL CONSTRUCTION**

Let us intensify the struggle to fulfill the plan ahead of schedule. V. Mordovin. Sel'stroi. 19 no. 4:6-9 Apr '65

#### **KHANAEV, N. S.**

Khanayev in "Queen of Spades." Vinch. Amur'ev. Teatr. 26 no. 5:93-97 May '65

#### **KHARTONOV, VIKTOR**

On one's voyage... "At the death of poets" performed in the Leningrad Theatre of Drama and Comedy. N. Kiyomova. Teatr. 26 no. 5:53-56 May '65

#### **KHARKEVICH, ALEKSANDR ALEKSANDROVICH, 1904-1965**

A. A. Kharkovich; an obituary. Vest. AN SSSR. 35 no. 5:125 May '65.

A. A. Kharkovich; obituary. Elektrosviaz' 19 no. 1:80 Apr '65.

#### **KHARKOV—NERVOUS SYSTEM—SYPHILIS**

Syphilis of the internal organs and of the nervous system in Kharkov during the past 8 years (1955-1962). M. P. Frishman and others. Vest. dermat. i ven. 38 no. 6:81-85 June '64.

#### **KHARKOV—PUPPETS AND PUPPET PLAYS**

Merry jubilee. I. Popova. Teatr. 26 no. 5:112 May '65.

#### **KHARKOV—TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS**

Sabiev, P. E. [On the road of technological progress] Na puti tekhnicheskogo progressa. Kiev, Gostekhlizdat, 1963. 24 p.

#### **KHARKOV—VISCERA—SYPHILIS**

Syphilis of the internal organs and of the nervous system in Kharkov during the past 8 years (1955-1962). M. P. Frishman and others. Vest. dermat. i ven. 38 no. 6:81-85 June '64.

#### **KHARKOV ECONOMIC REGION—TECHNOLOGICAL INNOVATIONS**

Modernization of industrial equipment at the plants of the Kharkov Economic Council. M. G. Shepetukha, A. I. Gonchar, A. Z. Chernobelskii. Mashinostroenie no. 3:66-70 May-June '65.

#### **KHARKOV PROVINCE—PRECAST CONCRETE CONSTRUCTION**

For an improved technology. B. Lepa. Stroi. bud. 15 no. 2:5-6 Feb '65.

#### **KHATYRKA VALLEY—OPHIOLITES**

Ophiolite formations in the lower reaches of the Khatyrka River (Koryak upland). I. U. B. Gladenkov. Trudy GIN no. 89:120-130 '63.

#### **KHERSON—WOODPULP INDUSTRY**

Two years of operations of the Kherson cellulose plant. P. A. Medvedev, V. P. Lopukha, S. S. Volkonskii. Bum. prom. no. 3:12-15 Mar '65

#### **KHERSON PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR**

Specialization of repair and workshops in Kherson Province. P. Fishchenko. Tekh. v. sel'khoz. 25 no. 5:75-76 May '65.

#### **KHERSON PROVINCE—CHILDREN'S CLUBS**

"Spanish" society has opened. V. Zdenko. Nar. obr. no. 8:83 June '65.

#### **KHERSON PROVINCE—COMMUNITY LIFE**

Organized care for living conditions will help agriculture. S. Zagoruko. Agitator 33 no. 11:20-22 June '65.

#### **KHERSON PROVINCE—RURAL CONDITIONS**

Organized care for living conditions will help agriculture. S. Zagoruko. Agitator 33 no. 11:20-22 June '65.





**KIRGHIZISTAN—LABOR SUPPLY**

Akademii nauk Kirgizskoi SSR, Frunze, Institut ekonomiki. [Population and labor supply of the Kirghiz S.S.R.] Nаселение i trudovoye resursy Kirgizskoi SSR, Frunze, Ilim, 1965, 112 p.

**KIRGHIZISTAN—MINING ENGINEERING**

Mukhin, M. E., V. A. Shestakov, and N. G. Ialymov. [Underground mining systems in Kirghizia] Sistemy podzemnoi razrabotki naftodolzh Kirgizii, Frunze, Izd-vo "Ilim," 1965, 105 p.

**KIRGHIZISTAN—POPULATION**

Akademii nauk Kirgizskoi SSR, Frunze, Institut ekonomiki. [Population and labor supply of the Kirghiz S.S.R.] Nаселение i trudovoye resursy Kirgizskoi SSR, Frunze, Ilim, 1965, 112 p.

**KIRGHIZISTAN—PUBLIC PROSECUTORS**

Organization of prosecutorial supervision in civil matters, V. I. Umoshev, A. Kiseleva. Sois zakon 42 no. 2:54-57 F '65

**KIRGHIZISTAN—SOYBEAN—VARIETIES**

Testing some varieties of soybeans. V. I. Vandyshova, M. M. Dzhamankulov. Izv. Bot. sadu AN Kir SSR no. 1: 61-67 '64

**KIRGHIZISTAN—STATISTICS—YEARBOOKS**

[National economy of the Kirghiz S.S.R. in 1963; a statistical yearbook] Nаrodnoe khoziaistvo Kirgizskoi SSR v 1963 godu; statisticheskiy ezhegodnik. Frunze, Statistika, 1964, 237 p.

**KIRGHIZISTAN—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT**

Infalible remedy for the improvement of technical and economic indices. A. Batalov. Avt. transp. 43 no. 2: 38 F '65.

**KIRGHIZISTAN—WALNUT—DISEASES AND PESTS**

Extermination of moths in mountain forests. G. Guzeev. Zashch. rast. ot vred. i bol. 19 no. 5: 29 '65  
Virus disease of the apple moth Hyponomeuta malinellus. A. Leakova. Zashch. rast. ot vred. i bol. 10 no. 5: 47 '65.

**KIRKESALI, STEPAN PETROVICH, 1890-1937**

In memory of S. P. Kirkesali. L. G. Abulshvili and others. Elektrichnost no. 5:90-91 My '65.

**KIROV, SERGEI MIRONOVICH, 1880-1934**

Kirov as theatrical critic. B. Mostlov. Teatr 26 no. 4: 36-46 Ap '65.

**KIROV PROVINCE—AGRICULTURAL MACHINERY**

Make better use of agricultural machinery and tractors. A. Starodumov. Tekh. v sel'khoz. 25 no. 5:43-46 My '65.

**KIROV PROVINCE—ENCEPHALITIS, EPIDEMIC**

Characteristics of immunogenesis in lethaloid birds in a natural focus of tick-borne encephalitis. E. I. Korenberg and others. Med. paraz. i paraz. bol. 33 no. 9: 711-717 N-D '64

**KIROV PROVINCE—RADIOLOGY, MEDICAL**

Activities of the Kirov Province Scientific Society of Roentgenologists and Radiologists. L. N. Bogdanov, A. V. Novos, N. G. Bogdanova. Vest. rent. i rad. 30 no. 5:84-85 N-D '64.

**KIROVABAD—SOAP INDUSTRY**

Inter-regional soap production links on the Kirovabad industrial unit. R. G. Mamedov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk no. 5:103-105 '64.

**KIROVAKAN—GEOLOGICAL TIME**

Age of the pyrite mineralization in the Tandzut deposit. K. M. Muradian. Dokl. AN Arm. SSR 40 no. 1:237-242 '65.

**KIROVAKAN—MACHINE TOOLS**

New machine tools. G. Gabriellian. Prom. Arm. 8 no. 4:31-32 Ap '65.

**KIROVAKAN REGION—PYRITES**

Age of the pyrite mineralization in the Tandzut deposit. K. M. Muradian. Dokl. AN Arm. SSR 40 no. 4:237-242 '65.

**KIROVO-CHEPETSK DISTRICT—GRASSES—FERTILIZERS AND MANURES**

Effectiveness of mineral fertilizers on a normal valley slope. L. I. Gaidukovich. Khim. v sel'khoz. 3 no. 5: 14-15 My '65.

**KIROVOGRAD PROVINCE—MOUNDS**

The Maslova burial mound on the Tovmach River; based on the materials of excavations conducted by P. I. Smolichev and S. S. Gamchenko in 1926, 1928 and 1929. V. P. Petrov. Mat. i issl. po arkheol. SSSR no. 116:118-167 '64.

**KIROVOGRAD PROVINCE—SLAVIC ANTIQUITIES**

The Maslova burial mound on the Tovmach River; based on the materials of excavations conducted by P. I. Smolichev and S. S. Gamchenko in 1926, 1928 and 1929. V. P. Petrov. Mat. i issl. po arkheol. SSSR no. 116:118-167 '64

**KIRSHON, VLADIMIR MIKHAILOVICH, 1902-1937**

"City of winds." L. Tamashin. Teatr 26 no. 3:48-52 Mr '65.

**KISELEV, NIKOLAI PETROVICH, 1884-**

An elder Soviet scholar of books. A. I. Markushevich. Sov. bibl. no. 6:63-66 '64

**KISLOVODSK—SYMPHONY ORCHESTRAS**

Letters from cities Donetsk, Kislovodsk. I. Nelen'kaia, R. Glezer. Sov. muz. 20 no. 3:97-98 Mr '65.

**KITCHEN UTENSILS**

Construction of kitchen ranges needs improvement. G. Demchenko, M. Khlazev. Sov. potreb. koop. 9 no. 3:13 Mr '65

**KIVERTSY DISTRICT—PARASITES—CATTLE**

Simultaneous lesions of cattle. N. I. Luk'ianov, N. M. Ivanenko. Veterinaria 42 no. 6:89-91 Je '65.

**KIZIL KUM see Kyzyl Kum****KLIMOVA, ALEKSANDRA IVANOVNA**

Aleksandra Klimova. T. Pravidlivseva. Teatr 26 no. 4:72-76 Ap '65

**KLUCHEVSKI, VASILII OSIPOVICH, 1841-1911**

V. O. Kluchevskii's maxims and aphorisms. M. F. Leon'tev. Vop. ist. 40 no. 7:208-214 JI '65.

**KNIT GOODS—TESTING**

Investigating the abrasion resistance of knit fabrics at various deformation degree. L. N. Flisova, T. V. Babak. Nauch. trudy MTILP no. 30:179-187 '64.

**KNITTING**

Knit it yourself. N. S. Belovinskaya, V. G. Kompaneeva. Nach. shkola 33 no. 6:48-49 Je '65.

**KNOTWEED see subdvision under White Russia****KOCHUBEYEVSKOYE DISTRICT—KINDERGARTENS**

Happy childhood for everyone. A. Gavronskii. Doshk. vosp. 38 no. 3:37-38 Mr '65

**KOKCHETAV PROVINCE—WEED CONTROL**

In Kokchetav Province. V. Sadovnikov. Zashch. rast. ot vred. i bol. 10 no. 4:38 '65.

**KOLA PENINSULA—ROCKS—ELECTRIC PROPERTIES**

Frequency dependence of the dielectric properties of rocks of the Kola Peninsula. A. T. Bondarenko. Izv. AN SSSR. Fiz. zem. no. 5:101-107 '65

**KOLA PENINSULA—SALMON**

Change in the abundance of salmon in rivers of the Kola Peninsula. V. V. Azbelev. Mat. rybkhoz. issl. Sev. bas. no. 4:10-12 '61.

**KOLKHOZES see Collective farms****KOMANDORSKIYE ISLANDS—PARASITES—MALLARD**

Helmiths of mallard nesting and wintering on the Commander Islands. A. K. Tsimballuk. Vest. LGU 20 no. 9:160-164 '65.

**KOMI A.S.S.R.—BIBLIOGRAPHY**

[Literature on the Komi A.S.S.R. for 1963] Literatura o Komi ASSR za 1963 god. Syktyvkar, Komi knizhnoe izd-vo, 1964, 173 p.

**KOMI A. S. S. R.—EDUCATION, ELEMENTARY**

Schools and groups with longer hours in the Komi A.S.S.R. N. Sur'taminova. Nach. shkola 33 no. 4:95-96 Ap '65.

**KOMI A. S. S. R.—GAS, NATURAL**

Prospects for the development of the gas and oil industries of the Komi A.S.S.R. F. A. Trebin and others. Neft. khoz. 43 no. 3:34-39 Mr '65.

**KOMI A. S. S. R.—PETROLEUM PRODUCTION**

Prospects for the development of the gas and oil industries of the Komi A.S.S.R. F. A. Trebin and others. Neft. khoz. 43 no. 3:34-39 Mr '65

**KOMISSARZHEVSKAYA, VERA FEDOROVNA, 1864-1910**

Komissarzhevskaya Day in Moscow. A. Svobodin. Teatr 26 no. 3:109 Mr '65.

**KOMSOMOLSK—ON-AMUR—THEATER**

A theater and its head stage director. K. Krivitskii. Teatr 26 no. 1:16-21 Ja '65.

**KONAKOVO HYDROELECTRIC POWER STATION**

Hydraulic structural complex of the Konakovo Hydroelectric Power station. I. Sukhov, G. Chintulov. Arkhit. SSSR no. 4:35-40 '65.

**KONDRATEV, B.**

Merr'y Mifan. IU. Veriman. Teatr 26 no. 4:109-110 Ap '65

**KOPETDAG REGION—IRRIGATION**

Investigating the organization and the operation of the remote-controlled sectors of drillholes for water. G. M. Belinskii. Vop. gl'dr. no. 22:67-75 '65.

**KOPETDAG REGION—WELLS**

Investigating the organization and the operation of the remote-controlled sectors of drillholes for water. G. M. Belinskii. Vop. gl'dr. no. 22:67-75 '65.

**KOREA—DESCRIPTION**

Kozachenko, V. P. [Horsemen of Chentim; sketch] Vershnny Chentim, narys. Kyiv, Radlans'kyl p's'mennyk, 1963, 148 p. (MII)

**KOREA, NORTH—AGRICULTURE, COOPERATIVE**

Socialist transformation of agriculture in the Korean People's Democratic Republic. V. D. Tikhomirov. Vop. ist. 40 no. 7:42-51 JI '65.

**KOREA, SOUTH—FOREIGN RELATIONS—JAPAN**

The stormy end of potential negotiations. IU. Nikolaev. Az. i Afr. seg. 8 no. 6:35-41 Je '65

**KOREAN NEWSPAPERS**

(see also subdvision under United States)  
From the history of the Korean emigrant press, 1909-1914. B. D. Fak. Nar. Az. i Afr. no. 3:172-176 '65

**KORNICHIUK, OLEKSANDR**

Chronicles of the people. Sov. voia 17 no. 11:29 Je '65.  
Scout in the forefront. V. Sokko. Teatr 26 no. 5:67-69 My '65

Word about a friend. VI. Pimenov. Teatr 26 no. 5: 64-66 My '65

**KOROBKOVSKOYE OIL FIELD—PETROLEUM GEOLOGY**

Geology and oil and gas potentials of a carboniferous horizon in the Korobkovskoye oil field. E. S. Sosnina. Trudy VNI no. 43:205-220 '65.

**KOROTKIKH, GRIGORI IVANOVICH**

Life dedicated to the people. V. Kiltsev. Zashch. rast. ot vred. i bol. 10 no. 4:59-61 '65.

**KOSTROMA—THEATERS—STAGE SETTING AND SCENERY**

Letter to the editor. G. Antonova. Teatr 26 no. 3: 57 Mr '65

**KOSTROMA PROVINCE—PRINTING**

In the competition for communist labor. IU. Vlashevskii. Poligrafia no. 12:20-30 D '64.

**KOSVEN, MARK OSIPOVICH, 1885-**

M. O. Kosven, on the occasion of his 80th birthday. V. A. Aleksandrov, L. I. Lavrov. Sov. etn. no. 2:172-174 Mr-Apr '65.

**KOTARBINSKI, TADEUSZ**

Selected works of a Polish scholar. V. F. Asmus. Vop. filos. 19 no. 6:166-170 '65.

**KOVTIUKH, EPIFAN IOVICH, 1890-1943**

Commander from the people. N. A. Efimov. Vop. ist. 40 no. 6:211-214 Je '65.

**KRASIN, LEONID BORISOVICH, 1870-1926**

Leonid Borisovich Krasin on the 55th anniversary of his birth. K. G. Lisachenko, Z. I. Peregodova. Vop. ist. KPSS 9 no. 7:97-101 JI '65.

**KRASNODAR—COMPRESSORS**

Made especially for the tropics. Vnesh. torg. 45 no. 8:35-37 '65.

**KRASNODAR—JUSTICE, ADMINISTRATION OF**

A court battle. A. Biekh. Sov. iust. 29 no. 6:32 Ap '65

**KRASNODAR TERRITORY—COMMUNIST EDUCATION—AUDIO-VISUAL AIDS**

Visual propaganda in the village. A. Dmitriuk. Agitator 33 no. 11:38-41 Je '65

**KRASNODAR TERRITORY—CONDENSATE OIL WELLS**

Development of the Kanevskoye gas-condensate field. G. V. Resoskhin. Gaz. delo no. 5:6-8 '65.

Overall solution of the problem of the development of a group of gas-condensate (gas) fields as a unit based on a study of fields in Krasnodar Territory. N. K. Baibakov, B. B. Lapuk, F. A. Trebin. Gaz. prom. 10 no. 6: 5-12 '65.

**KRASNODAR TERRITORY—CONDENSATE OIL WELLS—EQUIPMENT AND SUPPLIES**

Lining for flow pipes in the wells of the Leningrad gas-condensate field. V. I. Petrenko, V. I. Solomakhin, D. A. Aslanov. Gaz. delo no. 10:1-11 '65.

- KRASNOYAR TERRITORY—CORN (MAIZE)—VARIETIES**  
V. F. Kazankov. *Vopr. prikl. biol.* 10 no. 5:59-61 My '63
- KRASNOYAR TERRITORY—EGGS—MARKETING**  
V. F. Kazankov. *Vopr. prikl. biol.* 10 no. 5:25-26 My '63
- KRASNOYAR TERRITORY—FEEDS**  
V. F. Kazankov. *Vopr. prikl. biol.* 10 no. 5:25-26 My '63
- KRASNOYAR TERRITORY—GAS INDUSTRY**  
F. M. Alekhin. *Gaz. delo* no. 5:37-38 '65
- KRASNOYAR TERRITORY—PETROLEUM PRODUCTION**  
Results of the research and necessary work in the maintenance of reservoir pressure on the fields of the Khilzinsk Oil Field Administration. B. P. Mikerin. *Neft. khoz.* 43 no. 4:45-51 My '65
- KRASNOYAR TERRITORY—PLANTS, PROTECTION OF**  
Results of the competition. V. Sakun. *Zashch. rast. ot vreditel'.* 10 no. 3:61 '65
- KRASNOYARSK REGION (SVERDLOVSK PROVINCE)—DOLOMITE**  
Krasnoyarsk dolomites as raw material for metallurgical powder and resin dolomite products. L. A. Stepanova, V. A. Bron. *Ogneuproy* 30 no. 4:16-20 '65
- KRASNOYARSK—INDUSTRIAL HYGIENE**  
On the shores of Yenisey (to be concluded). A. T. Sessarskii. *Okhr. truda i sots. strakh.* 8 no. 5:20-21 My '65
- KRASNOYARSK HYDROELECTRIC POWER STATION**  
Some special features of the manufacture of turbines for the Krasnoyarsk Hydroelectric Power Station. G. A. Bronovskii, M. I. Gal'perin. *Energomashinostroenie* 11 no. 3:32-34 Mr '65
- KRASNOYARSK TERRITORY—BERRIES—DISEASES AND PESTS**  
Use of insecticides in orchards. V. Koptoleva. *Zashch. rast. ot vreditel'.* 10 no. 3:24-25 '65
- KRASNOYARSK TERRITORY—FOREST ROADS**  
Possible way of prolonging the road construction season at logging camps in Krasnoyarsk Territory. N. N. Gorushkin. *Trudy STI* 33:22-31 '62
- KRASNOYARSK TERRITORY—PHOSPHORITES**  
Microelements and evaluation of phosphorites as complex agricultural ores. A. S. Mikhailov. *Izv. SO AN SSSR* no. 12 Ser. biol.-med. nauk no. 3:101-104 '64
- KRASNOYARSK TERRITORY—ROAD CONSTRUCTION**  
Krasnoyarsk-Akass. V. Arkhipenko. *Avi. dor.* 28 no. 2:14 F '65
- KRASNOYARSK TERRITORY—SOILS—TRACE ELEMENT CONTENT**  
Microelements and evaluation of phosphorites as complex agricultural ores. A. S. Mikhailov. *Izv. SO AN SSSR* no. 12 Ser. biol.-med. nauk no. 3:101-104 '64
- KRAVCHUK, MAKSIM**  
Poet Maksim Kravchuk. S. B. Barmas. *Doshk. vosp.* 38 no. 3:102-105 Mr '65
- KRIVOY ROG—GRAVITY PROSPECTING**  
Prospecting for concealed iron ore deposits in the Krivoy Rog Basin. V. M. Pelushenko. *Geofiz. sbor.* no. 6:69-80 '64
- KRIVOY ROG BASIN—AIR—POLLUTION**  
Take care of the landscape; water and atmospheric pollution control in the Krivoy Rog iron ore basin. T. A. Klevisov. *Priroda* 54 no. 6:70-73 Je '65
- KRIVOY ROG BASIN—GEOLOGY, STRATIGRAPHIC**  
Some remarks on the stratigraphic scale of the Greater Krivoy Rog Basin. R. P. Petrov, B. H. Batashov, M. I. Onoprienko. *Geol. zhur.* 25 no. 2:105-107 '65
- KRIVOY ROG BASIN—GOETHITE**  
Some experimental and theoretical data on the formation of goethite and hematite in the weathering surface of the Krivoy Rog iron ore basin. I. U. M. Epitko, I. U. P. Mel'nyk. *Geol. zhur.* 25 no. 2:12-21 '65
- KRIVOY ROG BASIN—HEMATITE**  
Some experimental and theoretical data on the formation of goethite and hematite in the weathering surface of the Krivoy Rog iron ore basin. I. U. M. Epitko, I. U. P. Mel'nyk. *Geol. zhur.* 25 no. 2:12-21 '65
- KRIVOY ROG BASIN—IRON ORES**  
Determining the settling depth of ferruginous rocks using magnetic prospecting in the Krivoy Rog. K. F. Tiapkin. *Geofiz. sbor.* no. 8:81-87 '64
- Physical properties of rocks and ores in the Krivoy Rog Basin and Belozerska iron ore region. V. N. Kholin, N. A. Shchitov, I. A. Garkalenko. *Geofiz. sbor.* no. 9:101-108 '64
- Prospecting for concealed iron ore deposits in the Krivoy Rog Basin. V. M. Pelushenko. *Geofiz. sbor.* no. 6:69-80 '64
- Quantitative evaluation of iron rocks and ores in the Krivoy Rog Basin based on the radiometric data of holes. A. M. Blumentsev and others. *Geofiz. sbor.* no. 9:97-100 '64
- KRIVOY ROG BASIN—MAGNETIC PROSPECTING**  
Determining the settling depth of ferruginous rocks using magnetic prospecting in the Krivoy Rog. K. F. Tiapkin. *Geofiz. sbor.* no. 8:81-87 '64
- KRIVOY ROG BASIN—RADIOMETRY**  
Quantitative evaluation of iron rocks and ores in the Krivoy Rog Basin based on the radiometric data of holes. A. M. Blumentsev and others. *Geofiz. sbor.* no. 9:97-100 '64
- KRIVOY ROG BASIN—STEEL INDUSTRY**  
Verified by practice. V. Pogorelyi. *NTO* 7 no. 5:32-34 My '65
- KRIVOY ROG BASIN—WATER—POLLUTION**  
Take care of the landscape; water and atmospheric pollution control in the Krivoy Rog iron ore basin. T. A. Klevisov. *Priroda* 54 no. 6:70-73 Je '65
- KRIZHANOVSKI, OLEG MIKHAILOVICH, 1914-**  
O. M. Krizhanovskii on his 50th birthday. *Aviatsiya* 10 no. 1:82 '65
- KRYLENKO, NIKOLAI VASIL'EVICH, 1885-1938**  
In memory of N. V. Krylenko. *Sots. zakon.* 42 no. 6:58 Je '65
- KRYPTON**  
Removal of carbon dioxide and water vapor from krypton concentrates by absorption on synthetic zeolites. L. I. Kazarnovskaya, N. M. Dykhno. *Trudy VNIIMASH* no. 9:170-179 '65
- KRYPTON ISOTOPES**  
Concerning F. F. Kapenko's article "Determination of heart volume and other indications of central cordiac hemodynamics by means of radioactive krypton K<sub>85</sub>". D. S. Sivashinski, F. F. Vysokii. *Med. rad.* 10 no. 6:62-68 Je '65
- Concerning F. F. Kapenko's reply to D. S. Sivashinski and F. F. Vysokii's article. V. K. Modestov. *Med. rad.* 10 no. 6:76-78 Je '65
- Notes concerning F. F. Kapenko's article. G. A. Malov. *Med. rad.* 10 no. 6:68-71 Je '65
- Reply to D. S. Sivashinski and F. F. Vysokii. F. F. Kapenko. *Med. rad.* 10 no. 6:71-76 Je '65
- KUBAN—OIL WELL DRILLING**  
Effect of a curved and vibrating drilling-string bottom on the well wall. N. G. Avel'sian, V. I. Grigor'ev. *Neft. khoz.* 43 no. 3:22-27 Mr '65
- KUBAN—SUGAR BEET MACHINERY**  
[Sugar beets] *Sakharnaya svekla*. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 60 p. (Peredovoi opyt v sel'skom khoziaistve Kubani) [DNAL MICROFILM]
- KUBAN—SUGAR BEETS—DISEASES AND PESTS**  
Basis for the control of the leaf mine moth. V. Shmeleva. *Zashch. rast. ot vreditel'.* 10 no. 1:20-21 '65
- KUKINA, VERA PETROVNA, 1914-1964**  
Vera Petrovna Kukina; an obituary. *Sov. biol.* no. 8:81-82 '64
- KUMERTAU (BASHKIRIA)—INDUSTRIAL HYGIENE**  
Engineer Barkov resigns. V. Glumakov. *Okhr. truda i sots. strakh.* 8 no. 5:38-37 My '65
- KUMES—THERAPEUTIC USE**  
Khasenov, A. N. [Kumiss and its therapeutic properties] *Kumys i ego lechebnye svoistva*. Alma-Ata, Kazgostizdat, 1961. 39 p. [DNLM MICROFILM]
- KUNGUR REGION—GRAIN—DRYING**  
New continuous lines for receiving and processing grain at the Kungur Milling Combine. V. Malasai. *Muk.-elev. prom.* 31 no. 3:14-15 Mr '65
- KUPALA, IANKA, pseud.** see Lutsevich, Ivan Dominkovich, 1882-1942
- KURA LOWLAND—OIL FIELD BRINES—COMPOSITION**  
Nature of the change in the composition of the brine waters according to the cross section of the producing layer of the Kyurovdag and Mishovdag fields (Kura Lowland). K. A. Ismailov, M. N. Mirzoev. *Izv. AN Azerb. SSR. Ser. geol.-geog. nauk* no. 5:13-21 '64
- KURA VALLEY—MOLLUSKS, FOSSIL**  
Fresh-water elements in the Sarmatian fauna on Molladag in the Kura and Iori interfluvial (western Azerbaijan). E. Z. Movlizada. *Izv. AN Azerb. SSR. Ser. geol.-geog. nauk* no. 5:13-21 '64
- KURAMA RANGE—COPPER ORES**  
Devonian red formation in the Chakal-Kurama Mountains and the copper potential. M. A. Akhmedov and others. *Zap. Uz. old. Vses. min. ob-va* no. 1:114-121 '64
- KURAMA RANGE—FLUORSPAR**  
Comparative mineralogical characteristics of fluorite deposits in the Kurama Range. M. I. Moiseyev and others. *Uzb. geol. zhur.* no. 1:11-17 '61
- KURAMA RANGE—GEOLOGY, STRUCTURAL**  
Some characteristics of the Hercynian tectonics of the Kurama Range. V. A. Arapov. *Uzb. geol. zhur.* no. 2:36-40 '65
- KURAMA RANGE—ORE DEPOSITS**  
Stages of the process of ore formation in the Akasheva ore manifestation. U. S. Ghiladi. *Zap. Uz. old. Vses. min. ob-va* no. 1:65-68 '64
- KURCHUM VALLEY (KAZAKHSTAN)—GEOLOGICAL TIME**  
Age of metamorphic rocks in the Kurchum-Kal'dizhir watershed (southeastern part of the Titynshak). B. I. A. Khoreva. *Izv. AN SSSR. Ser. geol.* 30 no. 3:1-11 Je '65
- KURESSAARE (ESTONIA)—CASTLES**  
Estonian S. S. R. *Arhitektura* [Vilnius]. [The Castle of Kuresaare] *Kuresaare linnus*. Tallinn, Eesti Riiklik Kirjastus, 1957. 97 p. illus. [In Estonian, Russian and English]
- KURGAN PROVINCE—FLOUR MILLS**  
Flour mills increase the number of commodities in the groups. V. Zhuravlev. *Muk.-elev. prom.* 31 no. 8:9 F '65
- KURILE ISLAND REGION—EARTH—SURFACE**  
Physical state of the abysmal matter of the earth's crust and upper mantle in the Kurile Island region of the Pacific belt. M. Kh. Livakhtin. *Geol. i geofiz.* no. 1:11-20 '65
- KURILE ISLANDS—EARTHQUAKES**  
General characteristics in strain directions spectra in the focuses of earthquakes in the Kurile-Kamohakai seismic region. V. N. Avdeyeva. *Geotekhnika* no. 3:85-98 My-Je '65
- KURSK MAGNETIC ANOMALY—GEOLOGY, STRATIGRAPHIC**  
Relation between Archean and Proterozoic rocks in the Kursk Magnetic Anomaly. M. N. Vovkacemskaya. *Izv. AN SSSR. Ser. geol.* 30 no. 9:109-117 Je '64
- KURSK MAGNETIC ANOMALY—IRON ORES**  
Strength of sinter from Kursk Magnetic Anomaly ores. S. V. Nazilevich, V. F. Kutchenko, T. N. Nazilevich. *Izv. AN SSSR. Ser. geol.* 30 no. 6:385-393 My '65
- KURSK MAGNETIC ANOMALY—MINE VENTILATION**  
Atmospheric condition at the Lobedi strip mine and measures for its improvement. E. I. A. Shmel'ko. *Bezop. truda i prom.* 9 no. 3:11-12 Mr '65
- KURSK MAGNETIC ANOMALY—QUARTZITE**  
Ivanov, A. A. [Petrography and mineralogy of ferruginous quartzites in the Mikhaylovskoye deposit of the Kursk Magnetic Anomaly] *Petrografia i mineralogiya zhelezistykh kvartsitov Mikhaylovskogo mestorozhdeniya Kurskoi magnitnoi anomalii*. Moskva, Nauka, 1965. 182 p.
- KURSK MAGNETIC ANOMALY—ROCKS—DENSITY**  
Correlation dependence between the density and the velocity of the propagation of ultrasonic waves in rocks in the Kursk Magnetic Anomaly. N. K. Stupnik. *Geofiz. sbor.* no. 9:11-17 '63
- KURSK MAGNETIC ANOMALY—ULTRASONIC WAVES**  
Correlation dependence between the density and the velocity of the propagation of ultrasonic waves in rocks in the Kursk Magnetic Anomaly. N. K. Stupnik. *Geofiz. sbor.* no. 9:11-17 '63
- KURSK PROVINCE—EDUCATION, PRESCHOOL**  
Cultural center in a village. G. Khokhlova. *Doshk. vosp.* 38 no. 3:20 Mr '65
- KURSK PROVINCE—EUROPEAN CORN BORER—EXTINCTION**  
Cultivation practices in controlling the European corn borer. Z. Agafonova, N. Agafonov. *Zashch. rast. ot vreditel'.* 10 no. 4:24-25 '65
- KURSK PROVINCE—PARASITES—CATTLE**  
Prophylactic measures against warble flies. A. I. A. Baidin. *Veterinariia* 42 no. 6:50 Je '66
- KURSKII, DMITRI IVANOVICH, 1874-1932**  
Kurkala, A. B. [Past experiences] *Perozhitoe*. [Moskva, Moskovskii rabochii], 1965. 258 p.
- KUSARCHAY VALLEY—GEOLOGY, STRATIGRAPHIC**  
Akechgil' sediments in the Samur-Kusarchay interfluvial. K. A. Alizade, A. Kh. Babayev. *Izv. AN Azerb. SSR. Ser. geol.-geog. nauk* no. 6:131-38 '64

#### KUSTANAY PROVINCE—CORN (MAIZE)

Comparative study of corn and sorgho in Kustanay Province. A. Kh. Ganeev. Vest sel'khoz nauki i zhukh. 8 no. 2:81-83 F '65.

#### KUSTANAY PROVINCE—INSULATION (HEAT)

Heat insulating material from local raw materials. A. F. Mikhelich. Stroi. mat. 11 no. 1:35 Jan '65.

#### KUSTANAY PROVINCE—SORGHUM

Comparative study of corn and sorgho in Kustanay Province. A. Kh. Ganeev. Vest sel'khoz nauki i zhukh. 8 no. 2:81-85 F '65.

#### KUYBYSHEV—AMATEUR THEATRICALS

In friendship with the song. I Gladikh. Teatr. 26 no. 6:132-134 Je '65.

#### KUYBYSHEV—BALLET

Not favorable! E. Bocharnikova. Teatr. 26 no. 1:116 Ap '65.

#### KUYBYSHEV—BOOKSELLERS AND BOOKSELLING

Have publication. L. Urm. Knizh. torg. 16 no. 3:20 M '65.

#### KUYBYSHEV—HEATING PLANTS

Building a central boiler plant in 151 days. IU. Zagorskii. O. Kshlinskii. Na stroi. Ros. 6 no. 6:8-9 Je '65.

#### KUYBYSHEV—PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Operating and remodeling a unit for the purification of thermal-cracking dry and wet gases using an ethanol-amine solution. F. V. Mukhanov. Nefteper. i neftekhim. no. 1:11-14 '65.

#### KUYBYSHEV PROVINCE—BIOGRAPHY

Always in the ranks. P. Medvedev. Komm. Vostok. 51 no. 10:15 My '65.

#### KUYBYSHEV PROVINCE—OIL FIELD FLOODING

Semenov, B. F. [Oil-field flooding operations] Raziabotka neflianykh zalezhei s primeneniem zavodnennia. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964, 74 p.

#### KUYBYSHEV PROVINCE—PLANTS, PROTECTION OF

At the stations for plant protection. V. Bykov, M. Shekhtavov. Zashch. rast. ot vried i bol. 10 no. 5:9-10 '65.

#### KUZNETSK BASIN—COAL MINERS

Communist Youth League members of the "Taishinskaya" mine. T. Shatskaia. Sov. shakht. 14 no. 3:8 Mr '65.

#### KUZNETSK BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

In the Kuznetsk Basin. V. F. Krylov. Ugol' 40 no. 5:44-47 My '65.

#### KUZNETSK BASIN—COAL MINES AND MINING—FIRES AND FIRE PREVENTION

Reducing the danger of fires in Prokopyevsk-Kiselevsk region mines. T. D. Korovin, S. G. Skopin, A. P. Filipov. Bezop. truda v prom. 8 no. 3:10-12 Mr '65.

#### KUZNETSK BASIN—COMMUNIST YOUTH LEAGUE

Communist Youth League members of the "Taishinskaya" mine. T. Shatskaia. Sov. shakht. 14 no. 3:8 Mr '65.

#### KUZNETSK BASIN—INFORMATION SERVICES

Shoitei i seminar. For information workers. K. F. Chakilev. NTI no. 3:12-13 '65.

#### KUZNETSK BASIN—MINE TIMBERING

Experience in using the KTU support at the "Tom-Ussal-2" mine. A. V. Khablanov, A. A. Kosachenko. Ugol' 40 no. 5:59-61 My '65.

Once again on the possibility of reducing the size of mine shaft supports in the Kuznetsk Basin. T. N. TSai, L. M. Erefov. Vop. gor. dovl. no. 22:48-52 '64.

Work practices with the M-81 support at the "Baldaevskii" mine (Kuznetsk Basin). IU. V. Timofeev. Ugol' 40 no. 5:50-52 My '65.

#### KUZNETSK BASIN—STOPING (MINING)—EQUIPMENT AND SUPPLIES

Experience in operating mechanized stoping complexes at the "Abashevskaya 3-4" mine. E. P. Bessonov. Ugol' 40 no. 5:82-83 My '65.

#### KUZNETSOV, MIKHAIL ARTEM'EVICH

Sergeeva, I. Mikhail Kuznetsov. [Moskva, Buro propaganda sovetskogo khokhsusstva, 1964] 1 v. (chiefly illus.)

#### KUZNETSOV, NIKOLAI MIKHAILOVICH, d. 1965

Nikolai Mikhailovich Kuznetsov, an obituary. Ferm. i spirit. prom. 31 no. 2:47 '65.

#### KUZNETSOV, PAVEL ANDRIANOVICH

Pilot number 40. I. Alekhin. Grazhd. av. 22 no. 6:28-29 Je '65.

#### KVITKO, LEIB, 1895-1952

L. Kvitzko's verse for children and for adults. R. Natspova. Doshk. vosp. 38 no. 3:98-100 Mr '65.

#### KYN (PERM PROVINCE)—COOPERATIVE SOCIETIES

One of the first. P. A. Chazov. Sov. potreb. koop. 9 no. 5:51-53 My '65.

#### KYUROVDAG OIL FIELD—PETROLEUM GEOLOGY

Variations in the temperature regime of the 1st of a producing formation in the Kyurovdag oil field. E. A. Bagbanly, R. S. Gurbanov, T. A. Zeynalov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 5:87-95 '64.

#### KYZYL KUM—FERULA—DISEASES AND PESTS

Entomofauna of Ferula. A. G. Davletshina, M. A. Radziylovskaya. Uzb. biol. zhur. 9 no. 1:57-62 '65.

#### KYZYL KUM—INSECTS

Entomofauna of Ferula. A. G. Davletshina, M. A. Radziylovskaya. Uzb. biol. zhur. 9 no. 1:57-62 '65.

#### KYZYL KUM—TURQUOISE

The turquoise from Kyzyl Kum; history of their mining and processing. A. V. Vinogradov, S. V. Lopatin, E. D. Mamedov. Sov. etn. no. 2:114-131 Mr-Apr '65.

#### LABOR, COMPLICATED

Prevention and treatment of hematomas in the placental and early postnatal period. S. D. Astrinskii. Sov. med. 28 no. 4:83-86 Ap '65.

#### LABOR AND LABORING CLASSES

(see also subdivision under Africa, North; Astrakhan; Turkey; United States)

"Consumer society" and class consciousness of the proletariat. G. Dilginskii. Mir. ekon. i mezhdunar. otn. no. 7:43-58 '65.  
L. Ingels' letters. Vop. ist. KPSS 9 no. 7:3-10 Ji '65.  
Lenin's traditions live and get stronger. Okhr. i tuda i soia strakh. 8 no. 4:1-2 Ap '65.

Seroshian, N. A., and F. A. Sutanovskii. [Socialist labor and its productivity] Soitsialisticheski trud i ego proizvoditel'nost'. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963, 170 p.

Unity of all revolutionary forces is demanded by the epoch. A. Berezkin, I. Sokolov. Kommunist. 42 no. 11:63-64 Ji '65.

#### LABOR AND LABORING CLASSES—EDUCATION

(see also subdivision under Ghana; Turkmenistan; White Russia)

The worker improves his qualifications. A. Alekhin. Sov. profsoiuzy. 21 no. 12:43-44 Je '65.

#### LABOR LAWS AND LEGISLATION

(see also subdivision under Azerbaijan)

[Decisions of the All-Union Central Council of Trade Unions] Sbor. post. VTSSPS O-D '64, publ. '65.

For strict watch over the observance of labor legislation. K. Guseinov. Sov. profsoiuzy. 21 no. 12:1-3 Je '65.

How the observance of a work and rest schedule should be checked. V. Titov. Okhr. truda i soia. strakh. 8 no. 4:36-41 Ap '65.

Larkho, A. V. [Overtime work; work on days off and holidays] Sverkhurochnye raboty; rabota v vykhodnye i prazdnichnye dni. Moskva, Iuridicheskaya literatura, 1965, 70 p.

#### Orlovskii, IU. P. [Labor rights of young workers]

Trudovye prava molodykh rabochikh. Moskva, Iuridicheskaya literatura, 1965, 108 p.

Unity the labor law concerning the disabled. M. Glitsker. Sov. iust. 29 no. 9:10-13 My '65.

#### LABOR MOBILITY

Labor turnover and ways to overcome it in industry. V. I. Pozdnyshov. Vest. Mosk. un. Ser. 8: Ekon., filoz. 20 no. 2:73-77 Mr-Apr '65.

#### LABOR PRODUCTIVITY

Improving the auxiliary production is the most important potentiality for increasing labor productivity. I. P. Vinogradov. Vest. Mosk. un. Ser. 8: Ekon., filoz. 20 no. 2:88-72 Mr-Apr '65.

Indices of production and labor productivity. Z. N. Neiman. Ensigomashinostroenie. 11 no. 5:32-35 My '65.

Seroshian, N. A., and F. A. Sutanovskii. [Socialist labor and its productivity] Soitsialisticheski trud i ego proizvoditel'nost'. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963, 170 p.

#### LABOR REST HOMES

(see also subdivision under Moscow Province)

If you want a good rest... F. Gur'ankov. Sov. potreb. koop. 9 no. 3:62 Mr '65.

LABOR SUPPLY see subdivision under Kirghizistan; Tajikistan

#### LABORATORIES—EQUIPMENT AND SUPPLIES

Multichannel device for recording the motor activity of small laboratory animals (rats, mice). K. S. Raevskii, V. A. Timofeev. Biol. eksp. biol. i med. 59 no. 6:114-116 Je '65.

#### LABORATORIES, MEDICAL see Medical laboratories

#### LABORATORY ANIMALS

Multichannel device for recording the motor activity of small laboratory animals (rats, mice). K. S. Raevskii, V. A. Timofeev. Biol. eksp. biol. i med. 59 no. 6:114-116 Je '65.

#### LABRADOR SEA—ICE

Changeability in ice conditions of the Labrador Sea and Davis Strait. A. A. Lebedev. Trudy PINRO no. 16:260-276 '61.

#### LABYRINTH (EAR)

Changes in the frequency spectrum of the human encephalogram under vestibular and optokinetic effects. M. P. Aronov. Fiziol. zhur. 51 no. 4:413-419 Ap '65.

State of the vestibular analyzer in persons working with sources of ionizing radiation. V. A. Model'. Med. rad. 10 no. 5:71-74 My '65.

#### LABYRINTH (EAR)—INNERVATION

Electrophysiological study of the neurons of the cochlear nucleus in cats. E. A. Radionova, A. V. Popov. Fiziol. zhur. 51 no. 4:441-446 Ap '65.

#### LAC INSECTS—HOST PLANTS

Plant resources for the production of shellac in the U. S. S. R. N. I. Sharapov, G. N. Tikhomirov, G. B. Serebriakov. Rast. res. 1 no. 1:60-73 '65.

#### LACQUER AND LACQUERING

The PE-939 polyester enamel lacquer. M. M. Volodin. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:10-11 Ap '65.

#### LACTATION

Changes in the cells of the mammary gland in rats during pregnancy, lactation and hormonal stimulation. I. A. Suetina. Arkh. anat., gist i embr. 48 no. 1:74-79 Ap '65.

Paradoxical reaction of the breast to oxytocin in persistent lactation. M. G. Zaks, I. A. Mazhbitsa. Biol. eksp. biol. i med. 59 no. 6:53-55 Je '65.

Treating agalactia and hypogalactia in swine. A. I. Filonenko. Veterinariia. 41 no. 6:98 Ju '64.

#### LACTIC ACID BACTERIA—CULTURES AND CULTURE MEDIA

Homolactic fermentation by Lactobacterium delbrückii as related to the composition of the medium. E. N. Krasnikova. Mikrobiologiya. 34 no. 2:238-244 Mr-Apr '65.

#### LACTONES

$\beta$ -Propiolactone. I. L. Kmnianska, N. D. Kulshova, M. G. Likhova. Izv. AN SSSR. Ser. khim. no. 6:1081-1082 '65.

Synthesis and transformations of dilactones. Part I: Preparation of dilactones of 1,6-disubstituted 3-oxohexano-1,6-dicarboxylic acids. A. A. Akhmedzhanov and others. Izv. AN Arm. SSR, Khim. nauki. 17 no. 6:660-664 '64.

#### LAGEH (AZERBAIJAN)—CITY PLANNING

Lagich. L. S. Bektanitskii, L. G. Mamikonov, U. B. Revazov. Sov. etn. no. 3:124-133 My-Je '64.

#### LAGOCHILUS—THERAPEUTIC USE

Effectiveness of Dorogov's antiseptic stimulant and lagochilus in exudative diathesis in children. L. D. Derevianko. Vest. dermat. i ven. 38 no. 6:53-60 Je '64.

#### LAKES—MICROBIOLOGY see subdivision under Karelia

#### LAKH, PETR MIRONOVICH

Always in front. V. Kreshchik. Zemledelie. 27 no. 5:14-16 My '65.

#### LALAIAN, ERYAND ALEKSANDROVICH, 1864-1931

The life and work of Eryand Lalaiian. K. V. Melik-Pashaian. Sov. etn. no. 2:135-145 Mr-Apr '65.

#### LAMARTINE, ALPHONSE MARIE LOUIS DE, 1790-1869

Translation of Lamartine's poem "The lake." L. M. Kundin. Uch. zap. Kaf. per. v. MGPIIA no. 2:61-65 '64.

#### LAMBLIASIS see Giardiasis

#### LAMBS—DISEASES AND PESTS

(see also subdivision under North Kazakhstan Province) Condition of the organism of lambs poisoned with strontium-90. I. Ia. Panchenko, S. M. Fuchkova. Veterinariia. 42 no. 5:77-80 My '65.

#### LAMBS—PARASITES see Parasites—Lambs

#### LAMINAR FLOW

Approximate solution of the two-dimensional problem on speed distribution according to the depth of an open nonuniform flow at a laminar motion. E. V. Erementsko. Prikl. mekh. 1 no. 4:101-108 '65.

Investigating the speed of a laminar flow around circular cylinders in vertical pipes. G. T. Shapoval. Prikl. mekh. 1 no. 4:107-112 '65.

Laminar flow of a viscous incompressible fluid past a paraboloid of revolution. T. F. Ivanov. Izv. AN SSSR. Mekh. no. 2:11-16 Mr-Apr '65.

## LAMINATED METALS

Analyzing the conditions of gripping during the rolling of a multi-layer flat plate with a stepped front end  
N. I. Fortin, L. G. Tsaklo. *Tsvet. met.* 38 no 3 76-80 Apr '65  
Collection of laminated pipes  
M. S. Gildengorn. *Tsvet. met.* 38 no 3 73-74 May '65  
Physical properties of laminated metal pieces during up-  
lifting and in state of stress  
A. F. Ivanov. *Tsvet. met.* 38 no 3 75-76 May '65

## LAMINATED METALS—METALLOGRAPHY

D. position of a steel layer on grey cast iron.  
I. V. Pigrarskii and others. *Avtom. svar.* 18 no 5 25-28 May '65

## LAMINATED METALS—TESTING

Strength of the bonded area of the steel-bronze bimetal.  
F. P. P. *Metallurg. Mashinostroenie* no 2 63-65 Apr '65

## LAMINATED METALS—WELDING

Spot welding over glue of structural elements.  
B. B. Rubanovskii, A. A. Isakovich, V. A. Sinikovich. *Svar. proizv.* no 4 22-25 Apr '65

## LAMPREYS see subdivision under Amur River

## LAND

[Efficient use of the land] *Ratsional'noe ispol'zovanie zemli* Moskva, Sel'khozizdat, 1962. 262 p. (DIAL)

## LAND TENURE

(see also subdivision under Europe, Eastern, Iran; Norway)

Characteristics in the agrarian question on the eve of the Revolution of 1929-1930  
M. S. Simonova. *Ist. zap.* 75 212-242 '65

How the Socialist Revolutionaries betrayed their agrarian program.  
V. V. Garmiza. *Vop. ist.* 40 no 7 31-41 July '65

## LAND TENURE—LAW

Borodanov, M. M. [The law on the use of land by state farms] *Pravo zemlepol'zovaniia sotskhov.* Izd. 3, Moskva, Vsesos. zaochnye uchebnye kursy, 1964. 29 p. (MICROFILM)

LANDFORMS see subdivision under Crimea, Donets Basin, Saratov Province

## LANDLORD AND TENANT

Chigir, V. F. [Rights of a tenant's family members to living space] *Prava chlenov sem'i naniematelia na zhilulu ploshchad'. Moskva, Iuridicheskaya literatura, 1964. 46 p. (Iuridicheskie konsultatsii dlia naseleniia v voprosakh i otvetakh)*  
Exchange of living space under the new civil law.  
D. V. Vainman, A. M. Mal'ginova. *Sots. zakon.* 42 no 6 23-27 June '65

## LANDSCAPE GARDENING

(see also subdivision under Moscow)  
Plantings and the microclimate of an area.  
N. V. Bolodilze. *Gor. khoz. Mosk.* 39 no 5 24-26 May '65

## LANDSLIDES

(see also subdivision under Angren region, Uzbekistan)  
Suffusion and the erosional process.  
V. A. Fedorovskii. *Uch. zap. MOPI* 124 121-130 '63

## LANGUAGE AND LANGUAGES

Brief news. *Vop. iaz.* 14 no 1 133-142 Jan-F '65  
Brief news. *Vop. iaz.* 14 no 3 173-183 May-June '65  
Linguistic modernism as a dehumanizing process of the science of language.  
V. I. Abaev. *Vop. iaz.* 14 no 3: 22-43 May-June '65  
On the modern structure of linguistics.  
I. U. V. Rozhdestvenskii. *Vop. iaz.* 14 no 13 60-69 May-June '65  
Structural linguistics and the unity of language study.  
I. I. Reizin. *Vop. iaz.* 14 no 13 64-69 May-June '65

## LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

## LANGUAGE AND LANGUAGES—PHILOSOPHY

Gellner, Ernest. [Words and things. Translated from the English] *Slova i veshchi. Obshchaya red. i vstup. stat'ia V. V. Mshvenitadze.* Moskva, Izd-vo Inostr. lit-ry, 1962. 343 p. (OCIW)

## LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Beliaev, B. V. [Psychological bases for mastering the lexicon of a foreign language; textbook for teachers and students] *Psikhologicheskie osnovy usvoeniia leksiki i inostrannogo iazyka; posobie dlia prepodavatelei i studentov.* Moskva, Prosveshchenie, 1964. 134 p.  
Children master a foreign language.  
Z. F. Futerman. *Doshk. vosp.* 38 no 4 120-123 Apr '65  
For specialization in a foreign language course.  
S. D. Beresnev. *Vest. vys. shkoly* 23 no 6 39-41 June '65  
Foreign language programs for correspondence and night students.  
A. V. Parakhina. *Sred. spets. obr.* 12 no 2 28-30 Feb '65

In the schools with tuition in a foreign language.  
S. Volodina. *Nat. obr.* no 7 101-102 July '65

Teaching children a foreign language in kindergarten.  
E. S. Tsarapkina. *Vop. psikh. i.* 11 no 2 141-147 Mar-Apr '65

## LANGUAGE AND LANGUAGES—STYLE

Chicherin, A. V. [Ideas and style; on the nature of the poetic word] *Ide'i i stil', o prirode poeticheskogo slova.* Moskva, Sovetskii pisatel', 1965. 208 p.

## LANTHANUM BORIDES

Mass spectrometric study of the vaporization of lanthanum hexaboride.  
V. V. Torshina, G. N. Smolina, S. I. A. Dobychin. *Zhur. neorg. khim.* 10 no 5 1275-1276 May '65

## LANTHANUM COMPOUNDS

Lanthanum germanides.  
M. D. Litafin, A. B. Goncharuk. *Izv. AN SSSR, Neorg. mat.* 1 no 3 326-329 Mar '65

## LANTHANUM Selenide

Lanthanum selenides.  
E. I. Irembush and others. *Izv. AN SSSR, Neorg. mat.* 1 no 3 330-336 Mar '65

## LANTHANUM-SILICON ALLOYS

Lanthanum silicides and their crystalline structures.  
E. I. Gladyshevskii and others. *Izv. AN SSSR, Neorg. mat.* 1 no 3 321-325 Mar '65

## LAPIASHVILI, PARNAOZ

Parnaoz Lapiashvili. *Clari Galustova. Teatr.* 26 no 4 77-80 Apr '65

## LAPLACE TRANSFORMATION

Theory of the Laplace transformation.  
K. G. Valeev. *Izv. vys. ucheb. zav., radiofiz.* 8 no 2 424-426 '65

## LARCENY

Certain problems of responsibility for overt theft under Soviet criminal law.  
V. V. Frakhs. *Vest. Mosk. un.* Ser. 10. *Pravo* 20 no 1 59-67 Jan-Mar '65  
Prevention of stealing is an important obligation of an investigator.  
Sots. zakon. 42 no 2 33-35 Feb '65

## LARCH

Factors determining the differences in the variation of the diameters and heights of Dahurian larch trees.  
N. M. Glazov. *Soob. DVAN SSSR* no 21 39-43 '63  
Larch as a source of the production of a series of useful substances.  
K. I. Anisimova and others. *Russ. res.* 1 no 1 74-83 '65

Overall utilization of larches in the national economy.  
Biul. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform. 18 no 5 52-53 May '65

Tikhomirov, B. N. [Larch floating] *Splav listvenitsay.* Moskva, Lesnaya promyshlennost', 1965. 156 p.

## LARVAE—FISHES

(see also subdivision under Black Sea, Mediterranean Sea)  
Intensity of feeding habits and weight increase in larvae of the Black Sea anchovy *Engraulis engraulis* ponticus Alex during spawning season.  
L. A. Doka. *Trudy SBS* 17 276-282 '64

## LARVAE—INSECTS

Migration pathways of the first instar larvae of the ox warble fly (*Hypoderma bovis* De Geer) in the host organism.  
K. A. Braev, V. N. Diadcheko. *Zool. zhur.* 44 no 5 728-733 '65

## LARVAE—WORMS

Anatomy and diagnosis of mermithid larvae.  
I. A. Rubtsov. *Zool. zhur.* 44 no 5 860-875 '65

## LASERS

Calculating the luminescence of finite volumes with inverse population of levels.  
A. M. Samson. *Zhur. prikl. spekt.* 2 no 3 232-242 Mar '65  
Emission of monopulses of coherent light by a two-component medium with negative absorption.  
V. I. Borodulin and others. *Zhur. eksp. i teor. fiz.* 48 no 3 845-849 Mar '65

Experimental study of the modulations of a gas laser.  
I. G. Goncharov. *Izv. vys. ucheb. zav., radiofiz.* 8 no 2 411-412 '65

Generation of laser radiation in direct transitions in a semiconductor.  
V. L. Vinetskii, V. S. Mashkevich. *Fiz. tver. tela* 7 no 6 1898-1899 June '65

Generation of the second optical harmonic in a laser resonator.  
I. O. Marushko, V. S. Mashkevich. *Ukr. fiz. zhur.* 10 no 3 312-322 Mar '65

Modes in a laser in the presence of an absorbing impurity.  
N. D. Voropaev, A. N. Oraevskii. *Izv. vys. ucheb. zav., radiofiz.* 8 no 2 409-411 '65

Normal modes of a laser with a filter.  
A. N. Oraevskii, V. A. Shcheglov. *Izv. vys. ucheb. zav., radiofiz.* 8 no 1 81-90 '65

Observation of multibeam generation by a helium-neon laser.  
I. U. Zaitsev, D. P. Stepanov. *Izv. vys. ucheb. zav., radiofiz.* 8 no 1 188-199 '65

Semiconductor laser on a p-n junction of the compound  $\text{CaAs}_2\text{-xP}_x$ .  
N. G. Basov and others. *Fiz. tver. tela* 7 no 6 1802-1804 June '65

Spatial effects in the heterodyning of light waves.  
V. A. Ietokhov. *Radioelektr. i elektron.* 10 no 6 1143-1145 June '65

Statistical characterization of the self-modulation of solid laser radiation.  
V. I. Bragilev, A. V. Tsypunov. *Izv. vys. ucheb. zav., radiofiz.* 8 no 1 76-80 '65

Steady-state laser oscillations with distributed losses.  
I. A. Ostrovskii, I. I. Akhmedov. *Izv. vys. ucheb. zav., radiofiz.* 8 no 1 91-97 '65

Threshold of the generation of a ruby laser taking into account pumping energy dissipation in the crystal.  
D. N. Vylegzhanin, M. Kh. Zelikman. *Radioelektr. i elektron.* 10 no 6 1117-1120 June '65

Visual observation of infrared radiation from a laser.  
L. S. Vasilenko, V. P. Chibotav, H. V. Tsoltaki. *Plazma. Eksp. i teor. fiz.* 48 no 3 111-118 May '65

## LASERS—SPECTRA

Study on a neon-hydrogen laser at high discharge current.  
V. P. Chibotav, L. S. Vasilenko. *Plazma. Eksp. i teor. fiz.* 48 no 3 77-81 May '65

## LATERALITY

Analysis of supraspinal effect of the reticular formation of the brain stem on the mechanism of formation of flexor dominance.  
O. V. Bozlova, S. A. Skurnikova, T. D. Shchekina. *Trudy Inst. norm. i pat. fiziol. AN SSSR* 1 20-30 '64

## LATHES

Increasing the reliability of end-tool mechanism of automatic single-spindle turret lathes.  
M. P. Bondar, A. S. Smirnov. *Mashinostroenie* no 3 10-18 May-June '65

## LATIN AMERICA—EDUCATION

The crisis in the culture and educational systems of Latin America countries.  
I. R. Grigulevich. *Nov. otn.* no 2 76-80 Mar-Apr '65

## LATIN AMERICA—FOREIGN ECONOMIC RELATIONS

French monopolies in Latin America.  
I. Shchukin. *Mir. ekon. i mezhdunar. otn.* no 7 100-101 '65

## LATIN AMERICA—INTELLECTUAL LIFE

The attitude of our intellectuals.  
Jeanquin Guillerier. *Nov. vrem.* 23 no 25 11-21 June '65

## LATIN AMERICAN LITERATURE—HISTORY AND CRITICISM

Novel of Latin America.  
Z. Plavakin. *Vop. lit.* 9 no 4 227-230 June '65

## LATIN-AMERICAN MUSICIANS see Monticiana, Latin-American

## LATVIA—AIR PILOTS

Rolins, A., V. Rolins, and P. Elvils. [The Latvian Rozekle Regiment in the air... Latvian pilots in the Great Patriotic War] *Vozdukhie Latvishkii Rozhskli... i Latvishkie letchiki v Velikoi Ochechskovoi volno.* Riga, Izd-vo "Liesma," 1965. 267 p.

## LATVIA—BIBLIOGRAPHY

[Man on the way; sketches and literary portraits] *Cilvēki celi; apraksti un literari portreti.* Riga, Izdevnieciba "Liesma," 1965. 218 p. [In Latvian]

## LATVIA—BIOGRAPHY

Motoli, J. A. S. [Third shoulder; from the notebook of a journalist] *Tret'i plecho; iz bloknotu žurnalistu.* Riga, Latvialok gos. izd-vo, 1964. 108 p. (CSH-II)

## LATVIA—CHORAL SINGING

Galla, Daumanta. [Handbook for choral singers] *Kora dziedataju rokas gramata.* Oti e, parlabots un papildinats izdevums. Riga, Izdevnieciba "Liesma," 1965. 171 p. [In Latvian]

## LATVIA—COMMUNISM AND SOCIETY

Riga. *Partijas vestures instituts.* [Today we forge the future] *Ritadomju kalnam bodien.* Riga, Izdevnieciba "Liesma," 1965. 141 p. [In Latvian]

## LATVIA—COMMUNIST EDUCATION

Riga. *Partijas vestures instituts.* [Today we forge the future] *Ritadomju kalnam bodien.* Riga, Izdevnieciba "Liesma," 1965. 141 p. [In Latvian]

## LATVIA—COMMUNIST PARTY

Steimans, J. [Tactics of the Latvian Communist Party in the struggle for the establishment of Soviet rule, 1920-1940] *Latvijas Komunistiskas partijas takika riza par padomju varas atjaunošanu, 1920-1940.* Riga, Izdevnieciba "Liesma," 1965. 250 p. [In Latvian]

## LATVIA—COMMUNIST PARTY—BIBLIOGRAPHY

Riga. *Partijas vestures instituts.* [Bibliography of the history of the Latvian Communist Party, 1893-1919] *Latvijas Komunistiskas partijas vestures bibliografija, 1893-1919.* Riga, Latvijas Valsts izdevnieciba, 1964. 600 p. [In Latvian and Russian]

## LATVIA—EDUCATIONAL STATISTICS

Latvian S. S. R. Statistika parvalde. [Higher and secondary specialized education in the Latvian S. S. R., a statistical abstract] Augstaka un videja speciala izglitiba Latvijas PSR; statistiko datu kopsums. Vyshee i srednee spetsial'noe obrazovanie Latviskoi SSR; statisticheski sbornik. Riga, Latvijas valsts izdevnieciba, 1964. 149 p. [In Latvian and Russian]

## LATVIA—HISTORY

Selmaņš, J. [Tactics of the Latvian Communist Party in the struggle for the establishment of Soviet rule, 1920-1940] Latvijas Komunistiskās partijas taktika cīņā par padomju varas atjaunošanu, 1920-1940, Rīga, Izdevniecība "Liesma," 1965. 259 p. [In Latvian]  
Under the sun of the Soviet regime. Komm. Ukr. 39 no. 6:58-68 Je '65.

## LATVIA—INDUSTRIES

Ifier plants are the pride of Latvia. G. I. Galle. Nov. vrem. 23 no. 29:4-5 J1 '65.

## LATVIA—MACHINERY INDUSTRY—MANAGEMENT

Latvijas Padomju Socialistiskās Republikas Zinatnu akadēmija. Ekonomikas institūts. [Concentration and specialization in the machinery industry of the Latvian S. S. R.,] Konsentrasijsia i spetsializatsia v mashinostroenii Latviskoi SSR. Riga, Izd-vo Akad. nauk Latviskoi SSR, 1964. 75 p.

## LATVIA—MATTRESSES

Specialized workshop for the manufacture of spring mattresses. V. I. A. Vasil'ev. Der. prom. 11 no 2 10-21 F '65.

## LATVIA—ORNITHOSES

Ornithoses in the Latvian S. S. R. V. L. Mardes, B. B. Mardes, Z. V. Gromova. Zhur. mikrobiol. epid. i immun. 42 no 3:135-136 Mr '65.

## LATVIA—REVOLUTION OF 1905

Rubys, J. [Teachers and students of Latvia in the 1905-1907 Revolution] Latvijas skolotaji un skolu jaunatne 1905-1907 gada revolucija, Riga, Izdevnieciba "Zinatne," 1965. 133 p. [In Latvian]

## LATVIA—TEACHERS

Parian dynasty of teachers. T. Krechetova. Nar. obi. no. 6 10-13 Je '65

## LATVIA—VIEWS

Oriva, Zana. [Land and sea] Zeme un jura, Riga, "Latvijas valsts izdevnieciba, 1964. 1 v. (chiefly illus.) [In Latvian and Russian]  
— [In German, English, and Swedish]

## LATVIAN ART see Art, Latvian

## LAVROV, BORIS ALEKSANDROVICH, 1884-

Boris Aleksandrovich Lavrov; on the occasion of his 60th birthday. Vop. pit. 23 no. 6:108-90 N-D '64.

## LAW

(see also subdivision under Sweden)

Decisions of the Plenum of the Supreme Court of the U. S. S. R. Sov. iust. 29 no. 1:20-30 Je '65.

## Ievskiev, I. F., ed. [Fundamentals of Soviet law]

Osnovy prava i koho prava. [By] F. H. Burchak ta Insh. Kyiv, Derzh. vyd-vo sil'skohospodars'koi ill-ry URSR, 1963. 423 p.

New enactments. Sots. zakon. 42 no. 3:79-80 Mr '65.

New enactments. Sots. zakon. 42 no. 6:77 Je '65.

Practice of prosecutorial supervision. Sots. zakon. 42 no. 3:84-87 Mr '65.

Practice of prosecutorial supervision. Sots. zakon. 42 no. 2:88-91 F '65.

Strengthening of creative contacts by both sides, scholars and practitioners, is an important task of lawyers I. Pankratov Sots. zakon. 42 no. 3:23-30 Mr '65.

## LAW—CONGRESSES

Basic trends in the development of philosophy and law. G. A. Steashev. Vop. filoz. 19 no. 6:142-143 '65.

## LAW—DICTIONARIES

[Encyclopedic dictionary of legal knowledge; Soviet law] Entsiklopedicheski slovar' pravovykh znanii; Sovetskoe pravo. Red. kollegiya: S. N. Bratus' i dr. Moskva, Sovetskaya Entsiklopediya, 1965. 512 p.

## LAW—PHILOSOPHY

Farber, I. E. [The essence of law; a textbook] O suštinoi prava; uchebnoe posobie. [Saratov] Izd-vo Saratovskogo univ., 1959. 75 p. [MICROFILM]

Marx's criticism of the Hegelian philosophy of law; period of K. Marx's transition to materialism and communism. V. S. Nersisyan. Vest. Mosk. un. Ser. 10: Pravo 20 no. 1:48-53 Ja-Mr '65.

## LAW—SOURCES

The feudal statehood and "Russkaya pravda." A. A. Zimin. Ist. zap. 76:230-275 '65.

## LAW, RAILROAD see Railroad law

## LAW AND COMMUNISM

Shapko, V. M. [V. I. Lenin, founder of socialist legality] "V. I. Lenin - sozdatel' sotsialisticheskoi zakonosti. Moskva, Politizdat, 1965. 141 p.

## LAW ENFORCEMENT

(see also subdivision under Sverdlovsk Province, Tashkent)

For the intensification of the struggle against criminality and for the further strengthening of legal order. Sots. zakon. 42 no. 6:2-6 Je '65.

In the Procuracy of the U. S. S. R. Sots. zakon. 42 no. 2 2 F '65.

Practice in prosecutorial supervision. Sots. zakon. 42 no. 6:78-80 Je '65.

Soviets and legality. I. U. Tikhomirov, I. Stepanov. Sots. zakon. 42 no. 3:9-13 Mr '65.

Supervision of an action required by law as the follow-up of criminal information. V. Remnev, N. Maslov. Sots. zakon. 42 no. 6:37-38 Je '65.

## LAW ENFORCEMENT—AUDITING AND INSPECTION

Improve the control and audit of implementation in the organs of prosecution. Sots. zakon. 42 no. 3:18-22 Mr '65.

## LAWYERS

(see also subdivision under Dzhambal Province)

Heroes in our ranks. Sov. iust. 29 no. 9:5-6 My '65

Legal service in wholesale organizations of consumers cooperatives. A. Pleshev, I. Karakovich. Sov. iust. 29 no. 6:14 Ap '65

Make greater and more active use of the potential existing in advocates to control law violations. I. Kukarski. Sov. iust. 29 no. 11:3-5 Je '65.

A needed and useful seminar. P. Kharchikov. Sov. iust. 29 no. 11:1 Je '65.

Strengthening of creative contacts by both sides, scholars and practitioners, is an important task of lawyers I. Pankratov Sots. zakon. 42 no. 3:23-30 Mr '65.

## LAZO, SERGEI GEORGIEVICH, 1894-1920

Lazo, O. A., Sergei Lazo, Moskva, Izd-vo DOSAAF, 1965. 62 p.

## LEACHING

Effect of irradiation on the rate of leaching of bauxite and hydroargillite. V. N. Korlukov, S. I. Kuznetsov, V. A. Dereviankin. Zhur. prikl. khim. 38 no. 4:716-750 Ap '65.

Experiments in autoclave leaching of zinc cake. A. S. Ilyoslaytsev, V. I. Smolinov. TSvet. met. 38 no. 5:26-29 My '65.

Kinetics of autoclave leaching of nickel matte. G. N. Dobrokhov, E. V. Maforova. Izv. vyz. ucheb. zav.; tsvet. met. 8 no. 1:64-72 '65.

Removing impurities from zinc sulfate solutions with production of high-quality white vitriol. A. K. Eydokimova, A. I. Miglina. TSvet. met. 38 no. 3:37-42 Mr '65.

Studying a way for finding uranium in fluorapatite by the method of phase dynamic leaching. Izv. AN kazakh. SSR. Ser. geol. 22 no. 1:75-84 Ja-F '65

## LEACHING—TESTING

Investigating the regularities of continuous leaching for the case of nonequivalent amounts of solid and reagent. N. M. Demidov. Izv. vyz. ucheb. zav.; tsvet. met. 8 no. 1:52-57 '65.

## LEAD—ANALYSIS

Reaction of cadion [prepared by the Institute of Chemical Reagents] with lead and cadmium. A. M. Lukin, G. S. Petrova, N. M. Dintlova. Trudy IREA no. 25:161-171 '63.

## LEAD—CORROSION

Lead corrosion in dielectric materials. T. A. Miskinova, L. G. Gladin. Zashch. met. 1 no. 2:195-198 Mr-Apr '65.

## LEAD—METALLURGY

Hydrometallurgical method of producing lead using amines. L. S. Getskin, V. V. Iatsuk, A. P. Panteleeva. TSvet. met. 38 no. 5:20-22 My '65.

Lakernik, M. M. [Metallurgy of lead] Metallurgiya svintsa. Izd. 2., dopoln. i perer. [Moskva] Metallurgiya, 1965. 223 p.

## LEAD—OPTICAL PROPERTIES

Optical properties of lead at low temperatures. A. I. Golovashkin. Zhur. eksp. i teor. fiz. 48 no. 3:825-832 Mr '65.

## LEAD CHLORIDES

Chloride complexes of lead (II) and their reaction with alkali metal cations. V. E. Mironov, F. I. Kul'ba, V. A. Fedorov. Zhur. neorg. khim. 10 no. 4:814-817 Ap '65.

## LEAD COMPOUNDS

Interaction of lead (II) chloride complexes with alkaline metal salts. V. E. Mironov, F. I. Kul'ba, V. A. Fedorov. Zhur. neorg. khim. 10 no. 6:1388-1392 Je '65.

Synthesis and study of lead ethylenediaminetetracetate. R. P. Lastovskii, V. I. A. Terkina, I. A. Selverstova. Trudy IREA no. 25:100-103 '63.

## LEAD INDUSTRY see subdivision under Ust'-

Kamenogorsk

LEAD INDUSTRY—QUALITY CONTROL see subdivision under Ust'-Kamenogorsk

## LEAD NITRATE CRYSTALS

Effect of the conditions of a crystallization on the capture of adsorbed impurities by crystals. L. N. Matuyevich, N. P. Blinova. Zhur. prikl. khim. 38 no. 4 721-729 Ap '65.

## LEAD ORGANIC COMPOUNDS

Synthesis of plumbocyanes of the (RCOOPbAr<sub>2</sub>)<sub>2</sub> type. N. N. Zemlianskii and others. Zhur. ob. khim. 35 no. 5:843-845 My '65

## LEAD POISONING

Zorina, L. A. [Clinical aspects, diagnosis, treatment and prevention of lead poisoning] Klinika, diagnostika, lechenie i profilaktika svintsovykh otravlenii. Moskva, Meditsina, 1965. 58 p. (Biblioteka prakticheskogo vracha) (DNIM)

## LEAD SALTS

Photocolorimetric determination of microgram quantities of nickel in lead salts. F. P. Gorbenko, I. A. Shevchuk, E. V. Ialyskaya. Trudy IREA no. 25:325-328 '63

## LEAD TELLURIDES

Effect of the backing on the structure and properties of PbTe films. L. S. Palatnik, V. K. Sorokin, M. V. Lebedeva. Fiz. tver. tela 7 no. 6:1659-1705 Je '65

## LEAF BEETLES see subdivision under Mongolia

## LEAF MINERS—EXTERMINATION

Basis for the control of the leaf miner moth. V. Shmoleva. Zashch. rast. ot vred. 1 bol. 10 no. 4:20-21 '65.

## LEAF ROLLERS—EXTERMINATION

Pay attention to the hemp leaf roller Grapholitha deliniana! Z. Krinchko and others. Zashch. rast. ot vred. 1 bol. 10 no. 5:51-54 '65.

## LEARNING, PSYCHOLOGY OF

Probability learning in long training. M. Cole, N. Korzh. L. Keller. Vop. psikh. 11 no. 2 75-78 Mr-Apr '65

## LEAST SQUARES

Peresudov, V. N. [Method of least squares and its use in research] Metod naimen'shikh kvadratov i ego primeneniye v issledovaniyakh. Moskva, Statistika, 1965. 339 p.

## LEATHER

Effect of ionizing radiation on proteins and finished leather. I. P. Strakhov, I. G. Shifrin. Nauch. trudy MTILP no. 30:34-47 '64.

Effect of ionizing radiation on the improvement of the wear properties of leather. I. P. Strakhov, I. G. Shifrin. Nauch. trudy MTILP no. 30:40-55 '64

## LEATHER, ARTIFICIAL

Basic trends in the development of artificial leather for footwear. V. I. Alekseenko. Kozh. - obuv. prom. 7 no. 4:13-16 Ap '65.

Moscow. Vsesoyuznyi nauchnyi institut tekstil'noi i legkoj promyshlennosti. [Artificial leather of the Russian leather type] Isskusstvennaya kozha tipa lutt. Moskva, 1964. 56 p. [MICROFILM]

Properties of the solution and film formation of solvar and acrylic resins. L. P. Dobrynya, S. A. Pavlov. Nauch. trudy MTILP no. 30:99-101 '64.

Special characteristics of the technology for the manufacture of cold weather footwear (boots) with uppers made from the new types of artificial leather. L. I. Steshov. Kozh. - obuv. prom. 7 no. 4:17-18 Ap '65.

## LEATHER INDUSTRY

Improve the quality of leather goods and accessories. L. K. Samoletova. Kozh. - obuv. prom. 7 no. 4:21-24 Ap '65.

## LEATHER INDUSTRY—BY-PRODUCTS

Semifabricated line for the production of hide glue flakes. V. D. Polianinov, T. S. M. Khatarevich, V. K. Nazarov. Kozh. - obuv. prom. 7 no. 4:29-33 Ap '66.

## LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

Lebedev, V. S. [Splitting machines for leather manufacture] Rasplavochnye mashiny kozhennogo proizvodstva. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniyu, 1964. 78 p. (OS-XVI Seriya: Oborudovanie dlia legkoj promyshlennosti) [MICROFILM]

Plastic boards for manual cutting of materials. L. M. Vinetkili. Kozh. - obuv. prom. 7 no. 4:33-34 Ap '65.

## LEATHER SUBSTITUTES

Utilize the wastes of fur industries in the manufacture of cardboard for shoe manufacture. L. Abramian. Kozh. - obuv. prom. 7 no. 4:30-40 Ap '65.



## LEAVES

- Coefficients for determining the leaf surface of some sour cherry and apple varieties. A. S. Ovelannikov. *Sbornik nauch. rab. NII sad.* no 10-94-97 '64
- Effect of fruit on the physiological activity of apple tree leaves. V. O. Kazarian, N. V. Balagovskan, K. A. Kotapetian. *Fiziol. rast.* 12 no.2,313-319 Mr-Apr '65.
- Foliage and regularity of fruiting in apple varieties. E. V. Lagova. *Sbornik nauch. rab. NII sad.* no 10-94-97 '64.

## LEAVES—MORPHOLOGY

- Participation of adenosinetriphosphatase in the motor function of the Mimosa pudica leaf. M. N. Ljubimova and others. *Biokhimiya* 29 no.4,774-779 Ji-Ig '64

## LEBEDINSKI, ANDREI VLADIMIROVICH, 1902-1965

- Andrei Vladimirovich Lebedinski, an obituary. *Fiziol. zhur.* 51 no.5 634-635 My '65
- In memory of A. V. Lebedinski. *Med. rad.* 10 no.5 93 My '65

## LEBYAZH'YE MOUNTAIN (SVERDLOVSK PROVINCE)—SINTERING

- Production of ferrovanadium slinter at the Lebyazh'ye sintering plant. I. M. Ravikovich and others. *Stal'* 25 no.6 484-486 Je '65.

## LECTURES AND LECTURING

- Training of lecturers on international affairs. M. Bizer. *Mezhdunar. zhizn'* 12 no.7,152 Ji '65.

## LEG—DISEASES

- Arteriographic data on some characteristics of arterio-sclerosis of lower extremities in diabetes mellitus. I. S. Klemashov. *Probl. endok. i gorm.* 10 no.5,17-20 S-O '61.

## LEG—ULCERS

- Diatomite treatment of trophic ulcer of the lower extremities. V. A. Rakhmanov, M. A. Kolantyrskaya. *Vest. dermat. i ven.* 38 no.6 34-36 Je '65.

## LEGAL RESEARCH

- In the law institutes. *Sots. zakon* 42 no.2 84-85 F '65.
- A needed and useful seminar. P. Kharchikov. *Sov. iust.* 29 no.11,11 Je '65

## LEGAL SOCIETIES

- In the law institutes. *Sots. zakon* 42 no.2 84-85 F '65.

## LEGUMES

- Use of the zone precipitation method for the separation of leguminous seed globulins. A. D. Shulov, I. A. Vaintraub. *Ukr. biokhim. zhur.* 37 no.2 177-181 '65

## LEGUMES—DISEASES AND PESTS

- Effect of chlorine organic insecticides on the nitrogen fixation by pulse crops. N. K. Kiyupskiy, L. F. Krasnopolskaya. *Khim. v sel. khoz.* 3 no.4 34-35 Ap '65.

## LEGUMINOSAE

- Isoflavone-glycoside from *Piptanthus nacia* M. Pop. L. M. Utkin. A. P. Seibekova. *Khim. prirod. soed.* no.1,70-72 '65.

## LEISHMANIA—CULTURES AND CULTURE MEDIA

- General morphology of the cytopathogenic effect of Leishmania in tissue cultures. S. E. Gleiberman, E. M. Belova. *Med. paraz. i paraz. bol.* 33 no.6 650-654 N-D '61.

## LEISHMANIASIS

- Experimental study of superinfection in leishmaniasis of guinea pigs. Z. I. Glazunova. *Med. paraz. i paraz. bol.* 33 no.6 613-650 N-D '61.

## LEISURE

- Balkova, V. G., A. S. Duchal, and A. A. Zemtsov. [Leisure time and the all-round development of personality] *Svobodnoe vremia i vsestronnoe razvitiye lichnosti.* Moskva, Mysl', 1965. 270 p.

## LENIN, VLADIMIR IL'ICH, 1870-1924

- About Vladimir Il'ich Lenin. P. D. Mal'kov. *Mor. sbor.* 48 no.4,3-14 Ap '65.

- Alekseev, E. E. [Role of V. I. Lenin in the establishment and strengthening of the Soviet regime in Yakutia] *Rol' V. I. Lenina v ustanovlenii i ukrepleni Sovetskoi vlasti v Iakutii.* Otv. red. G. P. Basharin. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 167 p. (CSI-II)

- The appearance and dissemination of V. I. Lenin's manifesto "War and the Russian social democracy." K. F. Sidorov. *Ist. zap.* 75 285-305 '65.

- Humor of Leninism is invincible! *Gor. khoz. Mosk.* 39 no.4,1 Ap '65.

- Children listen to stories about Lenin. A. Pavlova. *Doshk. vosp.* 38 no.4 5-8 Ap '65.

- Drozhzheva, L. M. [Lenin and the utilization of the local experience in economic development] *Lenin i ispol'zovanie mestnogo opyta khoz. i sots. stroitel'stva.* Moskva, Nauka, 1966. 134 p.

- For children about Lenin. K. Aron. *Doshk. vosp.* 38 no.4 103-109 Ap '65.

- From the history of proletarian solidarity: V. I. Lenin and the Society for Technical Aid to the Soviet Russia of the United States and Canada. L. I. Prokova. *Vop. ist. KPSS* 9 no.7 102-103 Ji '65

- ... He has the right to be called the "children's friend." *Sem'ia i shkola* 20 no.4 3-4 Ap '65

- Il'ich talks to children and about children. M. Cherniak. *Sem'ia i shkola* 20 no.4 5-6 Ap '65

- In order to consult with Il'ich more often. V. Elit. *Komm. Vostok. Sl.* 46 no.11 62-65 Je '65.

- Kim, G. F. [V. I. Lenin and the national liberation movement] *V. I. Lenin i natsionalno-osvoboditel'noe dvizhenie.* Moskva, Znanie, 1966. 46 p. (Novye v zhizni, nauke, tekhnike. I Seriya: Istoriya, no.12)

- Krutikova, N. I. [At the sharp turn] *Na krutom povorote.* Moskva, Politizdat, 1965. 125 p.

- Lenin, V. I. [Complete collected works] *Polnoe sobranie sochinenii.* Izd. 5. Moskva, Politizdat, Vol. 55. [Letters to relatives, 1893-1922] *Pisma k rodnym 1893-1922.* 1965. 618 p.

- [Lenin as a master of revolutionary propaganda] *Lenin - master revoliutsionnoi propagandy.* Izd. 2., pere. i dop. Moskva, Politizdat, 1965. 335 p.

- Lenin is great and unique. *Nach. shkola* 33 no.4 3-6 Ap '65.

- Leninism and the Polish social democracy. Fel'x Tyeh. *Sov. slav.* no.2 21-32 '65.

- Lenin's care for the progress of science; materials of the Archives of the Academy of Sciences of the U.S.S.R. A. V. Kolitsaev. *Vest. AN SSSR* 35 no.4 11-16 Ap '65

- Lenin's policy of the intensification of agriculture. P. A. Ignatovskii. *Vop. ist. KPSS* 9 no.7 11-22 Ji '65.

- Lenin's tactics of the unity of the working class and the Anglii-Russian Committee. M. M. Mukhtasipov. *Vop. ist. KPSS* 9 no.7 62-71 Ji '65

- Lenin's tactics of the utilization of left blocs and compromise in the struggle for a united revolutionary front. V. K. Gabunia. *Vop. ist. KPSS* 9 no.7 23-38 Ji '65.

- Lenin's words. A. Nikolaev. *Doshk. vosp.* 38 no.5 53-55 My '65

- Moscow. *Akademiiia obshchestvennykh nauk.* [V. I. Lenin and the development of the party during the first years of the Soviet regime] *V. I. Lenin i stroitel'stvo partii v pervye gody Sovetskoi vlasti.* Moskva, Mysl', 1965. 243 p.

- Our Il'ich. F. Petrov. *Sem'ia i shkola* 20 no.4,1 Ap '65.

- Shapko, V. M. [V. I. Lenin, founder of socialist legality] *V. I. Lenin - sozdatel' sotsialisticheskoi zakonnosti.* Moskva, Politizdat, 1965. 141 p.

- Sergiyuk, M. N. [Recollections of Lenin, 1917-1918] *Vospominaniya ob Il'iche (1917-1918).* 3. izd. pere. i dop. Moskva, Politizdat, 1965. 70 p.

- Tasks of the study of the great heritage of V. I. Lenin. *Sov. slav.* no.2 3-5 '65.

- Ukhanov, I. P. [Fictional images in the works of V. I. Lenin] *Obrazy khudozhestvennoi literatury v trudakh V. I. Lenina.* Moskva, Politizdat, 1965. 294 p.

- Unforgettable. G. Lozachev-Eltzov. *Sem'ia i shkola* 20 no.4 10-11 Ap '65.

- V. I. Lenin and the problems of scientific and technical information and propaganda. A. I. A. Fridman. *NPI* no.4 13-8 '65.

- V. I. Lenin on the fight against crime. *Sov. iust.* 28 no.8 1-4 Ap '65

## LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY

- see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

## LENIN, VLADIMIR IL'ICH, 1870-1924—DRAMA

- Performance document: the play "Sixth of July" performed in the K. S. Stanislavskii Theater of Drama in Moscow. V. I. Pimenov. *Teatr* 26 no.4 3-7 Ap '65

## LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

- A conference in V. I. Lenin's birthplace. V. B. Ostrovskii. *Vop. ist. KPSS* 9 no.7 152-154 Ji '65.

- Moscow. Tsentral'nyi muzei V. I. Lenina. ["Sarat' and "Shalash" in Ruzhiv; guidebook] *"Sarat'" i "Shalash" v Ruzhiv; putevoditel'.* [Izd. 2., ispr. i dop. Leningrad] Leningrad, 1962. 50 p. illus. (Memorial'nye muzei V. I. Lenina) (MIU)

## LENIN, VLADIMIR IL'ICH, 1870-1924—MONUMENTS, ETC.

- First in the world. A. Gantushin. *Zhil. i kom. khoz.* 15 no.4 6 Ap '65.

## LENIN, VLADIMIR IL'ICH, 1870-1924—SONGS AND MUSIC

- "October" at the Bolshoi. Evg. Ivanova. *Sov. muz.* 29 no.3 18-21 Mr '65.

## LENIN IN LITERATURE AND ART

- Documents reveal. A. Gak. *Izvestiya* 28 no.4 6 '65.
- Little-known sculpture by Ivan Meštrović. I. Tupitsyn. *Izvestiya* 28 no.4 49 '65.
- Prototype of the future. R. Gol'dina. *Otklady* 41 no.4 201-208 Ap '65.

## LENIN PRIZES

- Lenin Prize winners in 1965. M. V. Keldysh. *Vest. AN SSSR* 35 no.5 3-10 My '65
- Winners of the International Lenin Prizes "for strengthening peace among the nations" *Az. i Afr. seg.* 8 no.8 13 Je '65

## LENINAKAN—CARDING MACHINES

- Increasing the efficiency of the use of BK-37 carding machines. M. Tigranian. *Prom. Arm.* 8 no.4 44-47 Ap '65.

## LENINGRAD—ACQUISITIONS (LIBRARIES)

- Acquisitions for the collections in libraries of higher educational institutions. K. M. Romasovskaya. *Bibliot. SSSR* no.26 97-106 '64.

- Section of acquisitions of rare books for a university library. A. Kh. Gorfunkel. *Bibliot. SSSR* no.26 107-112 '64.

## LENINGRAD—AMATEUR THEATRICALS

- Big playbill. I. Efremov. *Teatr* 26 no.6 130-110 Je '65

- What causes joy. E. Fal'kovich. *Teatr* 26 no.4 123-125 Ap '65

## LENINGRAD—ART—EXHIBITIONS

- Leningrad. *Ermitazh.* [The Hermitage in water colors, drawings, and sketches from the end of the 18th to the mid-19th century; catalog of a temporary exhibition organized from the collections of the State Hermitage] *Ermitazh v akvarelyakh, risunkakh, chertezhakh kontsa XVIII - serediny XIX veka, katalog vremennoi vystavki iz fondov Gosudarstvennogo Ermitazha.* [By] A. N. Voronikhina, R. D. Lulina. Leningrad, Sovetskii khudozhnik, 1964. 87 p. illus.

- Reveal the greatness of the working man! I. Brikher-Ostrenko. *Izvestiya* 28 no.3 10-15 '65.

## LENINGRAD—ART GALLERIES AND MUSEUMS

- Antonova, L. V. [How and when the Hermitage was built for children of secondary and older school age] *Kogda i kak postroen Ermitazh, dlia detei srednego i starshogo shkol'nogo vozrasta.* Izd. 2., ispr. i dop. Leningrad, Sovetskii khudozhnik, 1965. 45 p. illus. (Puteshestviya v pishloe. Po zakum Ermitazha) [Treasures of Peter the Great's "Kunstkamera"; according to 18th century drawings. T. K. Shafranovskaya. *Sov. etn.* no.2 147-156 Mr-Apr '65

## LENINGRAD—AUTOMOBILES—MAINTENANCE AND REPAIR

- Conveyor for the maintenance of taxicabs. I. U. Sudakov. *Avi. transp.* 43 no.5 27-20 My '65.

## LENINGRAD—BALLET

- Leningrad ballet. "Three musketeers" in the Malyi Theater of Opera and Ballet and "Twelve" in the S. M. Kirov Theater of Opera and Ballet. V. Chistiakova. *Teatr* 26 no.5 48-53 My '65.

## LENINGRAD—BANKS AND BANKING

- The bank and technological progress. A. Boronnikov. *Den. i kred.* 23 no.5 30-32 My '65.

## LENINGRAD—BUILDINGS, PREFABRICATED

- On the way to the improvement of the quality of fully prefabricated buildings. P. G. Vetrov. *Stroi i arkh. Len.* 27 no.3 10-13 Mr '65.

## LENINGRAD—CITY PLANNING

- The city grows and expands; plan for the construction of Leningrad in 1967-1968. A. A. Ljubosh. *Stroi i arkh. Len.* 27 no.3 4-8 Mr '65.

## LENINGRAD—COMMUNIST COMPETITION

- Zemel'din, I. P., and V. M. Karpushchenko. [In the front line of the struggle for communist labor, from the first communist Saturday workers to the brigades, shifts and workshops of communist labor at the Kirov Works] *Na perednom krae bor'by za kommunistscheskii trud; ot pervykh kommunistscheskikh subbotnikov do brigad, smen, tsukhov kommunistscheskogo truda na Kirovskom zavode.* Leningrad, Ob-vo "Znanie" RSFSR, 1964. 55 p.

## LENINGRAD—CONSTRUCTION INDUSTRY—FINANCE

- Golikov, P. N., and M. D. Khvorostannikov. [Brigades working on a business accounting basis in construction] *Khodzraschetnye brigady v stroitel'stve.* Leningrad, Stroitizdat, 1965. 74 p.

## LENINGRAD—FIREMEN

- Do you remember, comrade how we fought together? M. Gutlaev. *Pozh. delo* no.5 15 My '65.
- To fight the common enemy. G. Moiseev. *Pozh. delo* no.5 7 My '65.

## LENINGRAD—FURNITURE INDUSTRY

- Important task of workers of the furniture industry. V. M. Klein. *Der. prom.* 14 no.5 1-3 My '65.

## LENINGRAD—GRAIN—TRANSPORTATION

- Conveying grain in air conduits. N. Cherniaev. *Muk. i elev. prom.* 31 no.3 20-23 Mr '65.

#### LENINGRAD—HARBOR

Technology of servicing ships in the river port of Leningrad. N. Gallimov. *Rech. transp.* 23 no. 12, 45 D '64.

#### LENINGRAD—HOUSING

On a new stage: problems in the further improvement of the technical and economic indices of the work of the housing construction combines. P. K. Bobchenok. *Stroi i akhbit Len.* 27 no. 3-14-15 Mr '65.

#### LENINGRAD—LIBRARIES, UNIVERSITY AND COLLEGE

Acquisitions for the collections in libraries of higher educational institutions. K. M. Romanovskaya. *Bibliot SSSR* no. 26:97-106 '64.

Section of acquisitions of rare books for a university library. A. Kh. Gofunkel. *Bibliot. SSSR* no. 26:107-112 '64.

#### LENINGRAD—MATERIALS HANDLING—TECHNOLOGICAL INNOVATIONS

We have introduced [mechanization]. Suggest the Karakhan workers do the same. I. U. Putilin, L. Agranovich, N. A. Khoch, Kazakh. 23 no. 3 22-26 Mr '65.

#### LENINGRAD—MATHEMATICAL SOCIETIES

Meetings of the Leningrad Mathematical Society. *Usp. mat. nauk* 20 no. 3 251-253 My-Je '65.

#### LENINGRAD—OPERA

In the score and on the stage. M. Bialik. *Sov. muz.* 29 no. 3:49-56 Mi '65.

#### LENINGRAD—PAINTINGS—EXHIBITIONS

The principal hero is our contemporary. I. V. Ivanova. *Izobrazh.* 28 no. 3:9-10 '65.

#### LENINGRAD—PHYSICAL EDUCATION AND TRAINING

Mass health improvement work in the industrial plants of Leningrad. V. U. Ageevets. *Teor i prakt. fiz. kul't.* 28 no. 6 45-41 Je '65.

#### LENINGRAD—PRINTING

Leningrad workers in the struggle for quality in production. V. A. Vikhorev. *Polligrafia* no. 12:5-6 D '64.

#### LENINGRAD—REVOLUTION OF 1905

Semenov, S. N. [Bloody Sunday] Krovavoe voskresen'ye. [Leningrad] Lenizdat, 1955. 141 p.

#### LENINGRAD—SCIENTISTS

Leningrad scientists during the years of the blockade, 1941-1943. G. I. Sobolev. *Ist. zap.* 75:3-25 '65.

#### LENINGRAD—SIEGE, 1941-1944

Airist fighters. A. Gordon, A. Konnov. *Sov. muz.* 20 no. 3:145-149 My '65.

At sea, in the air and on land. P. I. Petrov. *Mor. sbor.* 48 no. 4:92-95 Ap '65.

Do you remember, comrade, how we fought together? M. G. Gulyaev. *Pozh. delo* no. 5:15 My '65.

Documents on the fortitude of scientists: materials of the Archives of the Academy of Sciences of the U. S. S. R. A. V. Kol'tsov. *Vost. AN SSSR* 36 no. 5:27-31 My '65.

Leningrad scientists during the years of the blockade, 1941-1943. G. I. Sobolev. *Ist. zap.* 75:3-25 '65.

A living legend. V. Bogdanov-Berezovskii. *Sov. muz.* 20 no. 5:5-13 My '65.

Scritalyna, Elena. [During the siege (a mother's diary)] *V blokade (dnevnik mater.)*. [Iowa City, Iowa] 1954. 103 p.

To fight the common enemy. G. Moliseev. *Pozh. delo* no. 5:7 My '65.

#### LENINGRAD—SYMPHONY ORCHESTRAS

The Leningrad Orchestra. *Ev. Rataer. Sov. muz.* 20 no. 5:70-72 My '65.

#### LENINGRAD—TECHNOLOGICAL INNOVATIONS—FINANCE

The bank and technological progress. A. Boronnikov. *Den. i kred.* 23 no. 5:30-32 My '65.

#### LENINGRAD—THEATER

On one's voyage... "At the death of poets" performed in the Leningrad Theater of Drama and Comedy. N. Krymova. *Teatr* 26 no. 5:63-66 My '65.

People and destinies. "On a wild shore" performed in the Mossoviet Theater and in the A. S. Pushkin Theater of Drama in Leningrad. A. Obrastova. *Teatr* 26 no. 3:3-7 Mr '65.

Return of Chekhov. "Three sisters" performed in the M. Gor'ki Great Theater of Drama in Leningrad. K. Zudnitskii. *Teatr* 26 no. 5:35-45 My '65.

#### LENINGRAD—UNIVERSITIES AND COLLEGES

[Leningrad] Institutions of higher learning; handbook for students registering in 1965. *Vuzy Leningrada; spravochnik dlia postupaushchikh v 1965 godu*. [Leningrad] Lenizdat, 1965. 201 p.

#### LENINGRAD—VIEWS

[Leningrad; album of photographs] Leningrad; fotoalbum. [Leningrad] Lenizdat, 1964. 1 v. (chiefly illus.) [in 5 languages]

#### LENINGRAD—WATER TOWERS

Assembling a precast reinforced-concrete water-cooling tower. G. D. Bodrov, Kh. Kh. Reife. *Mont i spets. rab. v stroi.* 25 no. 7:15-18 Ji '63.

#### LENINGRAD—WOOD-USE INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Technological innovations in the Leningrad Hydrolysis Plant. A. S. Medovaia. *Gidroliz i lesokh. prom.* 18 no. 4 22-23 '65.

#### LENINGRAD—WORLD WAR, 1939-1945—EDUCATION AND THE WAR

Heroic daily work of Leningrad schools. L. E. Raskin. *Nach. shkola* 33 no. 5:13-21 My '65.

#### LENINGRAD—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Leningrad will live forever. A. Gel'din. *Nar. obr.* no. 6 94-95 Je '65.

#### LENINGRAD—WORLD WAR, 1939-1945—THEATER AND THE WAR

Banner of a theater. Aleksandr Kron. *Teatr* 26 no. 5:31-34 My '65.

Propaganda section of the Leningrad front. Vladimir Lebedev. *Teatr* 26 no. 5:24-30 My '65.

#### LENINGRAD ECONOMIC REGION—MACHINERY INDUSTRY—PRODUCTION STANDARDS

Survey of the technical standard of the output of machinery plants in the Leningrad Economic Region. I. U. G. Mel'baiz. *Bul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 38 no. 5:58-59 My '65.

#### LENINGRAD PROVINCE—EDUCATION, PRESCHOOL

Families, kindergartens and communities should train children by a joint effort. L. Kogan. *Doshk. vosp.* 38 no. 3:21-22 Mr '65.

Kindergarten for every state and collective farm. V. Ivanova. *Doshk. vosp.* 38 no. 3 13-15 Mi '65.

On the right way. I. Minina. *Doshk. vosp.* 38 no. 3:18-20 Mr '65.

They generalize practices. V. Churakova. *Doshk. vosp.* 38 no. 3:17-18 Mr '65.

#### LENINGRAD PROVINCE—KINDERGARTENS

Aid of the patrons. V. Podolozhnik. *Doshk. vosp.* 38 no. 3:15-16 Mr '65.

For a close friendship among kindergartens. V. Papushin. *Doshk. vosp.* 38 no. 3:16-17 Mr '65.

#### LENINGRAD PROVINCE—MATERIALS HANDLING

Mechanization and automation of storage operations in the enterprises of the Leningrad Economic Council. I. U. A. Perten. *Mekh. i avtom. proizv.* 10 no. 4:17-22 Ap '65.

#### LENINGRAD PROVINCE—ONCOLOGY—CONGRESSES

Proceedings of the 88th Conference of the Scientific Society of Oncologists of Leningrad and Leningrad Province, June 4, 1964. A. I. Rakov, L. I. U. Dymarskii. *Vop. onk.* 10 no. 12:99-102 '64.

#### LENINGRAD PROVINCE—PLANT QUARANTINE

Quarantine service in Leningrad Province. Zashch. rast. ot vred. i bol. 10 no. 5:2-5 '65.

#### LENINGRAD PROVINCE—RURAL CONSTRUCTION

These shortcomings are not to be tolerated. E. Smirnov. *Sti. stroi.* 10 no. 4 22 Ap '65.

#### LENINGRAD PROVINCE—TEACHERS, TRAINING OF

Teacher and a book on education. A. Chervonaz. *Nar. ob.* no. 7:32-34 Ji '65.

#### LENINGRAD PROVINCE—TUBERCULOSIS IN POULTRY

Histological changes in chickens induced by atypical acid-resistant bacteria. P. I. Kokurichnev. *Veterinarlia* 42 no. 6:44-46 Je '65.

#### LENINGRAD PROVINCE—VEGETABLE GARDENING

Results of studying the work of a stellate disk harrow in preparing seedbeds for sowing. P. I. Domarskii. *Zap. Len. sel'khoz. inst.* 85:246-251 '61.

#### LENINGRAD LOWLAND—SOILS—IRON CONTENT

Studying the effect of soil conditions on the available iron content of soils as exemplified by soils in the Leningrad zone. R. V. Veselkina. *Pochvovedenie* no. 4:64-70 Ap '65.

#### LEONOV, ALEKSEI ARKHIPOVICH, 1935-

Walking above the earth. A. Efim'ev. *NTO* 7 no. 5:6-8 My '65.

#### LEONOV, LEONID MAKSIMOVICH, 1898-

Characteristics of metaphoric word usage in the publication of L. Leonov. A. P. Gorunov. *Vest. Mosk. un.* Ser. 7: Filol., zhur. 20 no. 1:13-28 Ja-F '65.

#### LEPIDOPTERA see subdivision under Vakhsh Valley

#### LEPORSKAYA, LIUDMILA BORISOVNA

Two mothers. V. Shorokhov. *Teatr* 26 no. 5:139-140 My '65.

#### LEPTOSPIRA

Comparative evaluation of the effectiveness of culture media for the cultivation of *Leptospira*. A. I. Titrova, L. M. Shul'ts, V. P. Tel'bukh. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:141 Mr '65.

Study of leptospira strains of the Panama group isolated in a natural focus. L. P. Semenova. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:139-140 Mr '65.

#### LEPTOSPIROSIS

(see also subdivision under Astrakhan Province, Omsk, North, Transcarpathia)  
Frequency and forms of eye lesions in cattle and horses with leptospirosis. G. V. Degtiarev, K. F. Petrova, F. L. Gadzhibalaeva. *Veterinarlia* 42 no. 5:49-52 My '65.

Leptospirosis in cattle. A. I. Koonov. *Veterinarlia* 42 no. 6 33-34 Je '64.

Leptospirosis of cattle. I. D. Kolesnikov. *Veterinarlia* 42 no. 5:49 My '65.

Role of farm animals in the formation of anthropic foci of leptospirosis. V. V. Medvedev, A. F. Iastrebov. *Zhur. mikrobiol. epid. i immun.* 42 no. 3:143 Mr '65.

#### LEPTOSPIROSIS—PREVENTIVE INOCULATION

Concentrated polyvalent adsorbed vaccine against leptospirosis in animals. S. I. A. Ljubaenko, L. G. Kostrikina. *Veterinarlia* 41 no. 4:17-21 Ap '65.

#### LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

Lermontov Days in the Philology Department. A. Zhuravleva. *Vest. Mosk. un. Ser. 7: Filol., zhur.* 20 no. 1:94-95 Ja-F '65.

Once more about Lermontov. *Teatr* 26 no. 3:102 Mr '65.

#### LEUCOCYTES

Cytochemistry of protein substances in leucocytes. M. G. Shubich. *Ark. anat., gist. i embr.* 48 no. 4:53-57 Ap '65.

Effect of ACTH, cortisone and somatotrophic hormone on vascular permeability and leucocyte migration under the effect of adenine nucleotides. R. U. Ljushitsa. *Probl. endok. i gorm.* 10 no. 5:78-82 S-O '64.

Effect of some complex compounds of trace elements on the phagocytic activity of leucocytes and the formation of agglutinins in non-irradiated and irradiated rabbits. A. I. Nikolaev, Kh. R. Mukhamedzanov, S. M. Khalifayev. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:90-95 F '65.

Gas exchange and the formation of organic acids in normal and pathological leucocytes, chronic myeloid leukemia and lymphadenosis. A. G. Stepanenko, O. D. Tshkhorova. *G. V. Derjiz. Probl. gemat. i perel. krovi* 10 no. 4:20-24 Ap '65.

Phagocytic activity of leucocytes during the treatment of experimental hepatitis with vitamin B<sub>6</sub>. I. Kh. Paschuk, I. A. Sytnik, I. I. Nogachevskii. *Bul. eksp. biol. i med.* 59 no. 6:46-48 Je '65.

Quantitative determination of basophilic leucocytes in the blood. M. G. Shubich, T. R. Petrova. *Probl. gemat. i perel. krovi* 10 no. 4:37-39 Ap '65.

#### LEUKEMIA

Amino acid composition of the proteins of the blood and some organs in acute leukemia. V. V. Novoselt'skaya, E. D. Ponomareva. *Trudy Inst. im. N. V. Sklif.* 5 no. 2:150-158 '62.

Case of a combination of lymphoid leukemia and cancer of the liver. G. V. Lifshits. *Trudy Inst. im. N. V. Sklif.* 5 no. 2:238-241 '62.

Gas exchange and the formation of organic acids in normal and pathological leucocytes, chronic myeloid leukemia and lymphadenosis. A. G. Stepanenko, O. D. Tshkhorova. *G. V. Derjiz. Probl. gemat. i perel. krovi* 10 no. 4:20-24 Ap '65.

Inhibitive effect of tryptophan metabolites on the utilization of vitamin B<sub>12</sub>. N. V. Miashecheva, M. O. Raushenbakh. *Probl. gemat. i perel. krovi* 10 no. 4:14-20 Ap '65.

Radiotherapy in chronic myeloid leukemia. V. F. Krutenko. *Med. rad.* 10 no. 3:21-26 Mr '65.

So-called monocytic leukemia. E. D. Ponomareva. *Trudy Inst. im. N. V. Sklif.* 5 no. 2:130-147 '62.

Some controversial problems of the etiology and pathogenesis of leukemia. I. A. Kasatkii. *Probl. gemat. i perel. krovi* 10 no. 4:3-14 Ap '65.

#### LEVINSON, EVGENII ADOL'FOVICH, 1895-

E. A. Levinson's work; in observance of his 70th birthday. I. A. Svirekii. *Arkhit SSSR* no. 4:51-54 '65.

#### LEVITAN, BORIS MOISEVICH, 1914-

Boris Moiseevich Levitan; on his 50th birthday. N. I. Akhizer, V. A. Marchenko. *Usp. mat. nauk* 20 no. 3 227-234 My-Je '65.

#### LEVULINIC ACID

Synthesis of 5-aminolevulinic-(5-C<sup>14</sup>) and 4,5-dioxovaleric-(5-C<sup>14</sup>) acids. N. V. Gnachev, L. A. Neiman, A. A. Poznan'skaya. *Biohimia* 20 no. 1:161-164 Ja-F '66.

#### LIABILITY (LAW)

Free will and legal responsibility. M. Kh. Farukshin. *Vest. Mosk. un. Ser. 10: Pravo* 20 no. 1:12-20 Ja-Mr '65.

## LIABILITY (LAW) (Continued)

- J P Pierrard's "Civil liability; atomic energy and comparative law." O Olteanu Vest Mosk un Ser 10 Pravo 20 no 1 82-84 Ja-Mr '65
- Material liability of a patrol guard provided by an outside agency. M Martova Sov zakon 42 no 3,63-65 Mr '65
- State arbitration practice. Sots, zakon. 42 no 6:81-82 Je '65.

## LIBRARIANS

- Our helper V Bakulin, Sov shafht 14 no 3 31 Mr '65

## LIBRARIES

- (see also subdivision under Great Britain, Romania, Vietnam, North)
- Academic news Bibliot SSSR no 25 151-158 '64
- Bibliographic work of province libraries B A Smirnova, N N Solov'eva, I B Teplovskaya Sov bibli no 6:3-14 '64
- Brief notes Sov bibli no 6 103 '64
- The introduction of advanced work practices is the most important aspect of work in methodology A N Vaneev Bibliot SSSR no 26:121-132 '64.
- Remove the obstacles for the receipt of bibliographic requests filled by libraries of the country I G Morozuk Sov bibli no 6 25-28 '64
- Volunteers at work on methods, from the experience of the V P Volgin Fundamental Library of Social Sciences, Academy of Sciences of the U S S R. A I Karzhenevich Bibliot SSSR no 26:133-143 '64

## LIBRARIES, CHILDREN'S

- Moscow. Publichnaia biblioteka. [Working with children in a rural library, a practical text] Rabota s det'mi v sel'skoi biblioteka, prakticheskoe posobie. Moskva, Kniga, 1965. 122 p.

## LIBRARIES, MILITARY see Military libraries

## LIBRARIES, NAVAL see subdivision under Sevastropol

## LIBRARIES, UNIVERSITY AND COLLEGE see subdivision under Leningrad

## LIBRARIES AND READERS

- (see also subdivision under Rostov-on-Don)

- Academic bases of guiding readers (presentation of the problem) N S Kartashov Bibliot SSSR no 26 29-40 '64
- State republic libraries must assist in the popularization of Russian literature N E Dobrynina Bibliot SSSR no 26,63-75 '64
- Work of libraries with readers who are young research workers, based on the study of their interests in the library of the scientific-research institute F N Nikiforova Bibliot SSSR no 26,51-52 '64

## LIBRARY CATALOGS see subdivision under Czechoslovakia

## LIBRARY CONFERENCES

- Calendar of international and national conferences, seminars and meetings in 1964 on problems of scientific information bibliography, and library science E A Ostannina NTI no 1 54-59 '65

## LICE AS CARRIERS OF DISEASE

- Electron microscopic study of Prowazek's Rickettsia in the intestinal cells of the body louse L Ia Shkol'nik, B H Zatulovskiy, H P Handzil Mikrobiol zhur. 27 no 3:328-35 '65.

## LICHTENBERG, GEORG CHRISTOPH, 1742-1799

- Lichtenberg, Georg Christoph. [Aphorisms, Translated from the German] Aforizmy. Izd. podgotovil G S Stobodkin. 2. Izd. Moskva, Nauka, 1965. 343 p. (Literaturnye pamiatniki)

## LIE ALGEBRAS

- Structure of  $G_2$ -multiplier. V B Mandelzweig. IAd. fiz. 1 no 6:106-112 Je '65.

## LIEBKNECHT, KARL, 1871-1919

- [Anovskaya, M. I.] (Karl Liebknecht) Karl Liebknecht. [Moskva] Molodaja gvardiia, 1965. 318 p. (Zhizn' zamechatel'nykh liudei. Seriya biografi, no 8(403))

## LIFTING JACKS

- Electromechanical jacks. M Zel'dis. Avt. transp. 43 no 6:50 Je '65.

## LIGHT

- Efficiency of energy conversion in a media with inverse habitation. A L Mikhailan, I U G Turkov. Radiotekh. i elektron. 10 no 6:1094-1103 Je '65.

## LIGHT-EFFECT ON PLANTS see Plants, Effect of light on

## LIGHT-PHYSIOLOGICAL EFFECT

- Correlation between the background electric activity of the brain, discharge of the aftereffect and intensification of the electrogram reaction to light stimulation in turtles *Emys orbicularis*. M G Belekova, T M Zagoruilko, Zhur. vyz nery. delat. 14 no 6:1079-1089 N-D '64.

- Correlation of the specific and nonspecific response to light in human electroencephalogram. L M Puchinskaya Zhur. vyz nery. delat. 14 no 6:957-965 N-D '64.

- Dependence of the reactions of individual neurons of the lateral geniculate body in rabbits on the intensity of light stimulus. T G Beleva, Zhur vyz nery. delat. 14 no 6 1048-1056 N-D '64

- Effect of prolonged sound and light stimuli on the development of experimental atherosclerosis in female rabbits I D Nasledova, I A D Rafail'skii. Pat. fiziol. i eksp. terap. 8 no 6 73-71 N-D '64.

- Effect of the intensity of light stimulation on the phenomenon of rhythm assimilation in patients with transient disorders of blood circulation in the brainstem L G Makarova, Zhur nery i psikh. 65 no 8:863-867 '65

- Electric activity of the cerebral cortex in monkeys of various ages during rhythmical light flashes. T G Urmancheva, G M Cherkovich. Fiziol. zhur. 51 no 4:431-440 Ap '65.

- Inhibition in the neuron systems of the visual sector of the cerebral cortex. I N Kondrat'eva Zhur. vyz nery. delat. 14 no 6 1069-1078 N-D '64

- Some data on the chemical composition of marine planktonic algae cultivated under an artificial and natural illumination L A Lanskaya, D M Vitlik, L I Rozhanskaya Trudy SBS 17:346-350 '61

## LIGHT-SCATTERING

- Some calculations of light scattering in dust nebulae. I N Minin. Trudy Astrofiz. inst AN Kazakh SSR 5 258-261 '65.

## LIGHTING

- Technical and economic basis for norms on natural lighting in industrial buildings. N N Kireev. Svetotekhnika 11 no 4:1-8 Ap '65

- Visibility and distinguishability as complex functions for studying the lighting conditions of industrial enterprises. A A Trukhanov, O I Strokova Svetotekhnika 11 no 4:7-11 Ap '65.

## LIGHTNING PROTECTION

- Lightning protection of rotating electrical machines. I F Polovov, I D Pechenkin. Elektrichestvo no 3:87 Mr '65.
- Lowering of the costs of the protection systems of cable lines from direct lightning strokes M I Mikhailov, S A Sokolov Elektrovinz' 19 no 6,66-69 Je '65
- Reply of the authors. V V Burghorff, N V Muravlev. Elektrichestvo no 3:87-88 Mr '65.

## LIGHTWEIGHT CONCRETE

- Autoclaved agglomerate concrete with dolomite binding materials. E D Pevzner, E S Kuchur. Izv vyz. ucheb. zav. stroit. i arkh. 8 no 2 69-78 '65
- Blumous perlite concrete. L Kuz'min and others Stroit. i arkh. 12 no 2 30-31 F '64.
- Developing the production of cellular concrete. A P Merkin. Stroit. mat. 11 no 1 22-23 Ja '65.
- Efficient methods of forming hermetized concrete products from heavy mixes. I G Sarapin, M I Kondrat'ev, Bet. i zhel.-bet. 11 no 5 28-30 My '65.
- Fixing the duration of the vibration compaction of keramzit concrete mixes during the casting of products. I G Sarapin, M I Kondrat'ev. Stroit. mat. 11 no 4:36-37 Ap '65.
- Keramzit foam concrete on a base of keramzit obtained from Kazakh clay shale. H L Shuster, V I Savin, P M Reznichenko. Bet. i zhel.-bet. 11 no 5,30-40 My '65.

## LIGHTWEIGHT CONCRETE-ANALYSIS

- Some characteristics of the selection of the constituents of lightweight concrete with porous filler. A I Timofeev Izv vyz ucheb. zav. stroit. i arkh. 8 no 2:62-68 '65.

## LIGHTWEIGHT CONCRETE-TESTING

- Change in the strength of gas concrete during the process of autoclaving M Ia Kivitskii, A N Shastnyl. Bet. i zhel.-bet. 11 no 5:30-32 My '65

## LIGNIN

- Piezothermoplastics from sawdust and sulfate lignin. V A Mastov. Der. prom. 14 no 5:17-18 My '65.

## LIGNITE see subdivision under Angren region (Uzbekistan); Moscow Basin

## LIGNOCELLULOSE

- Hydrolysis of lignocellulose obtained from pine wood concentrated with sulfuric acid T M Kalmaykova. Gidroliz. i lesokhim. prom. 18 no 4:15-16 '65.

## LILIES see subdivision under Stavropol Territory

## LIME

- Burning lime in suspension. Kh. S. Vorob'ev and others. Stroit. mat. 11 no 1:4-8 Ja '65.

## LIMEKILNS

- Domidovich, B. K., V. I. Kharin, and V. I. Perepovskii [Improvement of the technology of lime production in rotary kilns] Sovetskoye stroitel'stvo tekhnologii proizvodstva izvesti vo vrashchalushchikh pechakh. Minsk, Izd-vo "Belarus", 1964. 34 p.

[MICROFILM]

## LIMESTONE

- (see also subdivision under Crimea; Ukraine)
- Enriching limestone rock in air atmosphere. P. A. Savkin. Stroit. mat. 11 no 4 20-22 Ap '65.

## LIMESTONE-ANALYSIS

- Distribution of chemical elements in limestones V V Naumenko. Geol. zhur. 25 no 2:77-80 '65

## LIMING OF SOILS

- Modern problems of the liming of soils. G. I. Solov'ev, Khim. v sel. khoz. 3 no 4:9-12 Ap '65.
- Some problems in the liming of meadows. I. A. Gulyaev, Khim. v sel. khoz. 3 no 5 6-11 My '65.

## LIMIT THEOREMS (PROBABILITY THEORY)

- Some limit theorems for large deviations. S V Nagayev. Teor. veroiat. i ee prim. 10 no 2:231-251 '65
- Some remarks on convergence to Poisson's asymptotic law M N Muskhelishvili. Teor. veroiat. i ee prim. 10 no 3 371-375 '65.
- A theorem on large deviations. A V Nagayev. Teor. veroiat. i mat. stat. no 1:103-107 '64

## LIMITATION OF ACTIONS see subdivision under Germany, West

## LIMNOLOGY-CONGRESSES

- Conference on the matter and energy cycles in lakes. N Z Khushnina, G G Muraviev, V P Mitroshin. Izv. AN Kazakh SSR Ser. biol. nauk. 1 no 1 118-112 Ja '65

## LINARITE see subdivision under Karamazar Mountain

## LINEAR PROGRAMMING

- An algorithm for solving the transport problem. V A Bulavskii. Optim. plan. no 2:11-49 '64.
- Application of linear programming in planning the cutting of shoe materials. Report No. 2. K V Samauskas, I U Zybin. Nauch. trudy MII. 1 no 30:103-105 '64.
- Linear programming in a mathematics course. I V Zupolov, A M Gusevich. Stud. spets. obr. 12 no 3, 1-3 Mr '65
- Linear programming problems with partitioned matrices R A Zviagin. Optim. plan. no 2:50-61 '64.
- Mathematical methods and planning for profit. V Klagshtan. Fin. SSSR 30 no 6:32-37 Je '65.
- Minimum of the maximum deviation of a controllable linear system. A A Pervozvanskii. Izv. AN SSSR Mekh. no 2:51-57 Mr-Ap '65.
- One of the characteristics of the solving of problems with the linear programming method. K V Samauskas. Nauch. trudy MII. 1 no 30:103-104 '64.
- Planning the transportation of potassium fertilizers by the method of linear programming. V I Korolov. Izv. Akad. Rad. Ukr. 8 no 3:48-52 Mr '65.
- Possibilities of using linear programming, based on the example of potassium refining production. G Ia Fridman. Ekon. i mat. metod. 1 no 2:269-280 Mr-Ap '65.
- Solving extensive linear programming problems. G I Rubinshteyn. Optim. plan. no 2:13-22 '64.
- Two-component problem of linear programming. M A Iakovleva. Optim. plan. no 2:23-40 '64.
- Use of linear programming in planning the metal supply of industrial enterprises. M Mikhno. Ekon. Rad. Ukr. 8 no 6:69-74 Je '65.

## LINGUISTIC GEOGRAPHY-CONGRESSES

- Mapping as a method of historical linguistic research, conference in Moscow. G K Venediktov. Vest. AN SSSR 35 no 4:111-113 Ap '65.

## LIPASE

- Fat splitting by pancreatic lipase. A P Lavinskii. Biokhimiia 30 no 1:45-49 Ja-F '65.

## LIPID METABOLISM

- Effect of malic and glyoxylic acids on the incorporation of acetate-1-<sup>14</sup>C in the lipids of the rabbit liver V A Kokunin. Ukr. biokhim. zhur. 30 no 5:767-771 '64
- Effect of muscular activity and experimental training on the content and iodine number in lipids of rat tissues L G Loshkevich. Ukr. biokhim. zhur. 30 no 5:776-779 '64.
- Effect of saturated and unsaturated fatty acids on the composition of lipids in the blood, liver and aorta in experimental atherosclerosis. M V Davina, H P Evstigneeva. Vop. pl. 23 no 6:550-562 N-D '64.
- Some indices of lipid metabolism in thyrotoxicosis. A R Zlatkina, V P Zhigalov. Probl. endok. i gorm. 10 no 5:33-37 S-O '64.

## LIPIDOSIS

Dynamics of fat accumulation in the cultures of a rabbit aorta under various cultivation conditions. IU, E. Blok. Pat. fiziol. i eksp. terap. 8 no. 6 11-14 N-D '61

Effect of denervation of the adrenal glands on the level of blood lipids and the extent of morphological changes in the aorta of rabbits with atherosclerosis. I E. Gantman. Pat. fiziol. i eksp. terap. 8 no. 6 7-10 N-D '61

Xanthomatosis. L. I. Lobanovskaya, S. A. Balen. Probl. endok. i gorm. 10 no. 1 62-65 JI-Ag '64.

## LIPIDS

Anomaly of lipid chemiluminescence. A. I. Zhuravlev. Trudy MOIP. Old. biol. 21 133-134 '65

Biochemiluminescence of lipids. B. N. Tarasov, A. I. Zhuravlev. Trudy MOIP. Old. biol. 21 125-132 '65.

Chemiluminescence and antioxidative properties of human lipids. A. I. Zhuravlev, I. N. Filippov, V. V. Simonov. Trudy MOIP. Old. biol. 21 75-89 '65.

Role of lipids in the organization of enzymatic chains of electron transfer in *Mitochondria lysosomes*. A. I. Ojima and others. Zhur. evol. biokhim. i fiziol. 1 no. 1 7-15 Ja-Je '65.

## LIPOLYSIS

Effect of some hormonal factors on the lipolytic activity of the adipose tissue and on the serum content of non-esterified (free) higher fatty acids under normal conditions and in alloxan diabetes. N. K. Davtian. Probl. endok. i gorm. 10 no. 4 84-89 JI-Ag '64.

Fat splitting by pancreatic lipase. A. P. Levitskii. Biokhimiia 30 no. 1 45-49 Ja-F '65.

## LIPOLYACCHARIDES

Dynamics of the disappearance of bacterial lipopolysaccharide from the blood and formation of endogenic serum pyrogen in normal and thyrotoxicized rabbits. O. Sh. Dzheksenbaev. Biol. eksp. biol. i med. 50 no. 6 40-42 Je '65.

## LIPOPROTEINS

Effect of vitamin B<sub>6</sub> on the protein and lipoprotein fractions of the blood serum in rats and rabbits. I. V. Batalova. Vop. pit. 23 no. 6 73-76 N-D '64

Lipoproteins of the blood serum in patients with thyrotoxicosis treated with iodine 131. V. N. Slavov. Med. rad. 10 no. 5 55-59 Jy '65

Lipoproteins of the human brain. L. I. Komatina. Ukr. biokhim. zhur. 37 no. 2 243-260 '65

Role of lipid compounds in biosynthesis of chloroplast proteins. C. N. Bezinger, M. I. Melchikov, N. M. Siskin. Biokhimiia 29 no. 4 749-750 JI-Ag '64.

## LIQUEFIED PETROLEUM GAS

Measures for improving the utilization of resources of liquefied petroleum gases and for increasing their production. Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 10 no. 4 82-83 Ap '65.

Using liquefied gas. A. V. Tereshchenko. Gaz. prom. 10 no. 5 16-17 '65.

## LIQUEFIED PETROLEUM GAS—HYDRATES

Formation of hydrates in liquefied hydrocarbon gases. R. M. Musnev, V. I. Chernikin. Gaz. prom. 10 no. 5: 35-40 '65.

## LIQUEFIED PETROLEUM GAS—PIPELINES

Disruptions in liquefied gas flow in pipelines. K. G. Denets, V. I. Chernikin. Gaz. prom. 10 no. 6 41-44 '65.

## LIQUID FERTILIZERS AND MANURES

Production of concentrated liquid ammoniate salts of carbon dioxide based on ammonium carbonate and urea. E. T. Sarancha, A. M. Abramova, L. V. Andreeva. Khim. prom. 41 no. 5 303-381 Jy '65.

## LIQUID GERMANIUM

Model of the short-range order of structure of germanium and silicon melts. V. M. Glazov, S. N. Chizhevskaya. Izv. AN SSSR. Neorg. mat. 1 no. 3 307-310 Mr '65.

## LIQUID METALS

Dissolution kinetics of an iron-base alloy in liquid metals. V. I. Kriuk, I. U. P. Nikitin, R. I. Shabalina. TSvet. met. 38 no. 3 33-35 Mr '65.

Protective thermocouple sheaths for continuous temperature control of molten metals. G. V. Samsonov, P. S. Kislyi. Ogneupory 30 no. 4 20-32 '65.

Vapor pressure above liquid magnesium and calcium. V. P. Mashovets, L. V. Puchkov. Zhur. prikl. khim. 38 no. 4 840-852 Ap '65.

## LIQUID METALS—TESTING

Fluidity characteristics of complex alloys. G. F. Stasiuk. Lit. profiz. no. 3 37-39 Mr '65.

## LIQUID NITROGEN

Experimental determination of partial molar volumes of neon dissolved in liquid nitrogen. V. G. Skripka. Trudy VNIKIMASH no. 8 180-185 '65.

## LIQUID SILICON

Model of the short-range order of structure of germanium and silicon melts. V. M. Glazov, S. N. Chizhevskaya. Izv. AN SSSR. Neorg. mat. 1 no. 3 307-310 Mr '65.

## LIQUID ZINC—ANALYSIS

Iron content in molten zinc during hot galvanizing. I. B. Seichinskaya, N. S. Smirnov. Stal' 25 no. 5 478-479 My '65.

## LIQUIDS—OPTICAL PROPERTIES

Determining the coefficient of the refraction of liquids. A. F. Pegov. Sred. spets. obr. 12 no. 2 20 F '65

## LISTERIOSIS

Use of the indirect hemagglutination reaction and hemolysis in the diagnosis of listeriosis. A. F. Babkin. Zhur. mikrobiol., epid. i immunit. 42 no. 1 136-143 Ja '65

LISTERIOSIS—PREVENTIVE INOCULATION see sub-division under Kazakhstan

LITERARY AND SCIENTIFIC EXCHANGES see Exchanges, Literary and scientific

## LITERATURE

Literary life. Vop. lit. 9 no. 6 246-258 Je '65.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

## LITERATURE—DICTIONARIES

A start has been made. What happens now? ... A. Dromov. Oktabr' 41 no. 4 194-197 Ap '65.

## LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut mirovoi literatury. [Genesis of socialist realism in the literature of the countries of the West] Genezis sotsialisticheskogo realizma v literaturakh stran Zapada. Moskva, Nauka, 1965. 398 p.

Chicherin, A. V. [Ideas and style; on the nature of the poetic word] Idei i stil'; o prirode poeticheskogo slova. Moskva, Sovetskii pisatel', 1965. 298 p.

El'sberg, I. A. E. [Ideological struggle and the collapse of the bourgeois theory of literature] Ideologicheskaia bor'ba i raspad burzhuaznoi literaturnoi teorii. Moskva, Khudozhestvennaia literatura, 1964. 278 p. (NeU)

[Foreign literatures of the 19th and 20th centuries (up to 1917)] Zarubezhnye literatury XIX-XX vekov (do 1917 goda) [By] N. I. Lapikova i dr. Minsk, Vysshaya shkola, 1964. 177 p.

Gai, N., and V. Pliskunov. [The world, man, art] Mir, chelovek, iskusstvo. Moskva, Sovetskii pisatel', 1965. 201 p.

Letter to an author and friend. Andrei Gubin. Oktabr' 41 no. 4 209-214 Ap '65.

Socialist realism and national traditions. S. Turayev. Vop. lit. 9 no. 3 99-101 Mr '65.

## LITERATURE—STUDY AND TEACHING

Gaidzel-Kapitsa, N. M., and M. N. Slutskaya. [Extra-curricular reading in grades 5-8, from practice] Vneklassnoe chtenie v V-VIII klassakh: i opyta raboty. Leningrad, Gos. uchelno-pedagog. izd. M-va prosv. RSFSR, 1961. 244 p. (OCIW)

## LITERATURE, COMPARATIVE—FRENCH AND GERMAN

Influence of the French enlightenment on German literature. L. Gordon. Vop. lit. 9 no. 3 234-236 Mr '65.

## LITERATURE, COMPARATIVE—RUSSIAN AND AZERBAIJANI

Guide and discoverer. Z. Kodrina. Vop. lit. 9 no. 3: 227-229 Mr '65.

## LITERATURE, COMPARATIVE—RUSSIAN AND ROMANIAN

Tolstoi and Romanian literature. I. U. Kozhevnikov. Vop. lit. 9 no. 6 235-237 Je '65.

## LITERATURE AND COMMUNISM see Communism and Literature

## LITERATURE AND SCIENCE

Is a scientific approach to artistic translation possible? B. B. Vakhtin. Nar. Az. i Afr. no. 3 139-146 '65.

## LITHIUM

Quantitative determination of small concentrations of water by means of ethyllithium. D. K. Pollakov. Vysokom. soed. 7 no. 4 606-608 Ap '65.

## LITHIUM COMPOUNDS

Unsaturated organosilicon compounds. Part 16: Addition of alkyl lithium to 1-trimethylsilyl-1,3-hexadiene. B. G. Shakhovskoi, M. D. Stadnichuk, A. A. Petrov. Zhur. ob khim. 35 no. 6 1031-1038 Je '65.

## LITHOGRAPHY—METAL PLATE PROCESSES

Shading distortion in offset lithography on tin. I. A. Nechiporenko, V. A. Karpluk, L. G. Vuets. Poligrafia no. 12 26-28 D '64.

## LITHUANIA—AUDITING AND INSPECTION

[People's controllers on the move] Liaudies kontrolieriai zygys, Vilnius, Laidykla "Mintis," 1965. 147 p. [In Lithuanian]

## LITHUANIA—BIRDBANDING

Valkkevicius, A., and V. Skudis. [Bird migration; based on the data of birdbanding in Lithuania from 1920 till 1959] Perelet ptits; p. danyam kol'tsevanila v Litve s 1929 g. po 1959 g. Vilnius, Mintis, 1965. 193 p.

## LITHUANIA—BOOKSELLERS AND BOOKSELLING

Valkkevicius, Bronius. [Economics and planning in the book trade] Knygu prekybos ekonomika ir planavimas. Vilnius, Laidykla "Mintis," 1964. 163 p. [In Lithuanian]

## LITHUANIA—BRUCELLOSIS—PREVENTION

Practices in ridding farms of brucellosis of animals. A. Burakauskas and others. Veterinarija 42 no. 6. 13-17 Je '65.

## LITHUANIA—COMMUNIST PARTY OF THE SOVIET UNION

Birgmanas, Viktoras. [I saw the sunrise] Mačiau saulę tekl. Vilnius, Vaga, 1964. 244 p. [In Lithuanian]

Kuchniskas, D. [In a cell for prisoners condemned to death] Mirtininku vienetėje. Vilnius, Vaga, 1964. 201 p. [In Lithuanian]

## LITHUANIA—CULTURE

Development of the material and spiritual culture of the people. A. Sneckus. Kommunist 42 no. 10 12-23 JI '65.

Ideas of the Renaissance in Lithuania. V. Zaborskaitė. Vop. lit. 9 no. 3 202-206 Jy '65

## LITHUANIA—ECONOMIC CONDITIONS

Development of the material and spiritual culture of the people. A. Sneckus. Kommunist 42 no. 10 12-23 JI '65.

## LITHUANIA—EDUCATION

In the 25 years of Soviet life. M. Gedvilas. Nar. obi. no. 7 22-23 JI '65

## LITHUANIA—ENGINEERING GEOLOGY

Kaveckis, Mikolas, Vlastas Pranaitis, and Bronius Sidauga. [Engineering geology] Inžinerinė geologija, Visomeninis pagrindas mokslinio pozicijų redagavimui. B. Sidauga, Vilnius, Laidykla "Mintis," 1965. 314 p. [In Lithuanian]

## LITHUANIA—FLAX

Kripaitis, A. [More attention of flax farming] Daugiau dėmesio linininkystei. Vilnius, Laidykla "Mintis," 1965. 80 p. [In Lithuanian] (DNAL)

## LITHUANIA—HEPATITIS, INFECTIOUS

Results of  $\gamma$ -globulin mass prophylaxis of epidemic hepatitis in the Lithuanian S.S.R. Report No. 2: Comparative data on the effectiveness of various doses and methods of  $\gamma$ -globulin prophylaxis of epidemic hepatitis. T. S. Podsedlovskii, E. A. Paktoris. Zhur. mikrobiol., epid. i immunit. 42 no. 1 61-66 Ja '65.

## LITHUANIA—HISTORY—SOURCES

Lietuvos TSR Mokslo akademija, Vilna, Istorijos institutas. [Sources of the history of the Lithuanian S.S.R.] Lietuvos TSR istorijos šaltiniai. Vilnius, Laidykla "Mintis," [In Lithuanian]

Vol. 2, 1861-1917. Red. kolegija: E. Griksnaite, V. Merkys, J. Zilgėda. 1965. 650 p.

## LITHUANIA—INTELLECTUAL LIFE

Returning to the motherland. Albinas Morkus. Nov. vrem. 23 no. 20 11-12, 19 JI '65.

## LITHUANIA—JUDGES

Councils of people's assessors in the Lithuanian S.S.R. A. Likas. Sots. zakon. 42 no. 6 10-12 Ja '65.

## LITHUANIA—JUSTICE, ADMINISTRATION OF

Councils of people's assessors in the Lithuanian S.S.R. A. Likas. Sots. zakon. 42 no. 6 10-12 Je '65.

## LITHUANIA—RADIOLOGY, MEDICAL

Activities of the Republic Scientific Society of Roentgenologists and Radiologists of the Lithuanian S.S.R. in 1963. V. Lapinskas, V. Vitkunas. Vest. rent. i rad. 39 no. 6 63-84 N-D '64.

## LITHUANIA—RENAISSANCE

Fate of a poet. B. Neirman. Vop. lit. 9 no. 3 206-209 Jy '65.

Ideas of the Renaissance in Lithuania. V. Zaborskaitė. Vop. lit. 9 no. 3 202-206 Jy '65.

## LITHUANIA—SOVIETS

Eliauskina, E., and V. Vorob'ev. [People are joining their own soviets] Lūdi [dūt v s'vol. Soviet. Riga, Liesma, 1965. 87 p.

## LITHUANIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Olekas, J. [Uneasy nights] Neramios naktys. Vilnius, VAGA, 1964. 238 p. [In Lithuanian]

## LITHUANIA—YOUTH

[Youth discusses life] Jaunyste apmasto gyvenima. Vilnius, Leckla "Mintis," 1965. 138 p. [In Lithuanian]

## LITHUANIAN ART see Art, Lithuanian

## LITHUANIAN DRAMA—HISTORY AND CRITICISM

History of the Lithuanian heart J. Lankutis. Vop. lit. 1965 3:17-20 M '65.

## LITHUANIAN PAINTINGS see Paintings, Lithuanian

## LITHUANIAN POETRY—HISTORY AND CRITICISM

Lankutis, J. [Poetry of E. Miezelaitis] E. Miezelaitis. Poetija Vilnius, Vaga, 1965. 268 p. [In Lithuanian]  
Peimeris, Vacys, ed. [The spring of poetry] Poetijos pavasaris. Vilnius, Vaga, 1965. 186 p. [In Lithuanian]

## LITHUANIANS see subdivision under United States

## LIVER

Changes in the ultra-violet and blue fluorescence in the hepatocytes in white rats in the early postnatal period F. M. Valtancuk, M. V. Kudria-vacva Arkh. anat., hist. i embri. 48 no. 4 49-53 Ap '65.

Effect of actinomycin on the regeneration of the liver in mice I. D. Beliaeva Biol. eksp. biol. i med. 59 no. 5 51-53 Je '65.

Histochemical study of the enzymes in the diploid and polyploid cells of the liver N. T. Raikhlis, S. N. Ivanova V. I. A. Brodskii Biol. eksp. biol. i med. 59 no. 6 110-113 Je '65.

Histochemical study on nucleic acids, glycogen and lipids of the liver in experimental acute alcohol intoxication, IU. K. Elitskii, Arkh. anat., hist. i embri. 48 no. 4 53-53 Ap '65.

Islet's functional capacity of the hepatic tissue of rats in experimental pancreatic diabetes, M. F. Belovinskii, V. G. Shalagina Pat. fiziol. i eksp. terap. 8 no. 5 55-57 N-D '64.

Khukhmat'shvilii, P. I. [Some problems of the physiology of the liver] Nekotorye voprosy fiziologii pečeni. Tbilisi, Izd-vo "Tsosna," 1964. 108 p.

## LIVER—BIOPSY

Spectrophotometric micromethod for the determination of the content of vitamin A in liver punctates from monkeys (Macaca rhesus) and rabbits, V. A. Karpacheva Biol. eksp. biol. i med. 59 no. 6 118-121 Je '65.

## LIVER—BLOOD SUPPLY

Reaction of the blood vessels of the isolated liver of guinea pigs to the preparations from Anaphalis velutina Krasch. K. I. Sivertsev. Trudy Inst. fiziol. AN Kazakh. SSR 7 14-18 '64.

Structural changes in the arterial bed of the dog liver and dynamics of some of its functional indices in experimental ischemia E. P. Mel'man and others Arkh. anat., hist. i embri. 47 no. 10 25-35 O '64.

Topography of the gastroduodenal artery and its significance in the collateral blood supply to the liver E. V. Yakubovskaya Arkh. anat., hist. i embri. 47 no. 10 25-35 O '64.

## LIVER—CANCER

Case of a combination of lymphoid leukemia and cancer of the liver G. V. Lifshits. Trudy Inst. im. N. V. Sklif. 5 no. 2 238-241 '62.

Changes in the biochemical indices of the liver tissue of rats following the administration of hepatocarcinogens of different chemical structures, B. L. Rubenchik, Vop. onk. 11 no. 3 63-68 '65.

## LIVER—CIRRHOSIS

Changes occurring in some indices of fat metabolism during the development of experimental heliotrine-induced liver cirrhosis Sh. I. Rasulev, G. S. Levin Vop. pit. 23 no. 6 57-72 N-D '64.

Fluctuations of the electrolyte content of the blood in surgery for liver cirrhosis, IU. A. Makarova, Vest. khir. 93 no. 11 58-61 N '64.

Rare case of huge ascites in a patient with hypertrophic liver cirrhosis combined with splenomegaly and endocrinopathy Kh. A. Ovanesiants Trudy Inst. im. N. V. Sklif. 5 no. 2 216-220 '62.

## LIVER—DISEASES

Phagocytic activity of leucocytes during the treatment of experimental hepatitis with vitamin B<sub>6</sub> I. Kh. Patechnik, I. A. Sytnik, I. I. Nogachevskii Biol. eksp. biol. i med. 59 no. 6 46-49 Je '65.

Problem of acute dystrophy of the liver following aminazine therapy, M. F. Smagov, Zhur. nevr. i psikh. 65 no. 6 920-923 '65.

Problems of heredity in hepatocerebral dystrophy (Wilson-Konovalov's disease), R. A. Tkachev and others, Zhur. nevr. i psikh. 65 no. 6 801-809 '65.

Some remarks to the evaluation of enzyme activity and indices of bilirubin in the diagnosis of diseases of the liver in schizophrenia patients, M. K. Čaune, Z. P. Jaksons, A. K. Pilipenko, Zhur. nevr. i psikh. 64 no. 11 1765-1771 '64.

## LIVER—RADIOGRAPHY

Lobes and segments of the liver and the intracranial architecture of the vessels and ducts, V. S. Shapkin, Vest. khir. 93 no. 2 38-41 Mr-Apr '65.

## LIVER—SURGERY

Fluctuations of the electrolyte content of the blood in surgery for liver cirrhosis, IU. A. Makarova, Vest. khir. 93 no. 11 58-61 N '64.

Surgical treatment of nonparasitic cysts of the liver, S. P. Mokrovskaya, Vest. khir. 93 no. 11 121-123 N '64.

## LIVER EXTRACT

Ultraweak chemiluminescence caused by the reaction of the native aqueous-saline extract of the rat liver with the supernatant from a boiled homogenate V. N. Benevolenskii, IU. P. Drushlinskii, S. I. Alekseeva Trudy MOIP, Old biol. 21 99-101 '65.

## LIVER FLUKE

Characteristics of the course of Bolkin's disease in opisthorchiasis, N. V. Prodolobov Sov. med. 28 no. 4 87-89 Ap '65.

Some data on the chemical composition of the Siberian liver fluke (Opisthorchis felinus Rivolta, 1884) B. R. Buskin, E. P. Efimiseva Med. parazit. i parazit. bol. 33 no. 6 701-704 N-D '64.

Specific therapy of opisthorchiasis in man by means of hexachloroparaxylene, preliminary report N. N. Plotnikov and others, Med. parazit. i parazit. bol. 33 no. 6 676-681 N-D '64.

Therapeutic and chemoprophylactic means against dirocoeliasis, V. D. Akopian, Veterinarika 42 no. 6 54-55 Je '65.

## LIVER FLUKE—HOST ANIMALS

Prophylaxis of fascioliasis in calves using molluscicides, V. V. Gorokhov and others, Khim. v sel'khoz. 3 no. 5 64-65 My '65.

## LIVER FUNCTION TESTS

Preliminary report on the results of the study of the functional state of the liver with the aid of <sup>131</sup>I-tagged rose bengal in surgical patients, S. P. Markin, R. G. Nikitina, Trudy TSU 71 189-193 '64.

Protein function of the liver in sensitization, V. S. Gigaure, Zhur. mikrobiol., epid. i immun. 42 no. 1 27-31 Ja '65.

Significance of the determination of cholate cholesterol coefficient and biliary acid salts for the diagnosis of liver function in Bolkin's epidemic hepatitis, A. N. Ardamatskaya Sov. med. 28 no. 4 41-44 Ap '65.

Some morphological and functional changes in the liver in obstructive jaundice, V. I. Vitlin, V. N. Kolmakov, Vest. khir. 93 no. 11 53-57 N '64.

Study of the liver by the use of <sup>131</sup>I-tagged rose bengal in erythremia, A. L. Kozyreva, R. G. Nikitina Trudy TSU 71 180-185 '64.

## LIVONIAN WAR, 1557-1582

Russia and the Baltic question in German policy, 1558-1583, E. Donner, Ist. zap. 70 175-215 '65.

## LOADING AND UNLOADING

Be prepared for an organized, continuous unloading of motortrucks during the procurement period, M. Lopukhov Muk. odev prom. 31 no. 3 16 M '65.

The PU-0.5 multipurpose loader, A. Lupanov, M. Topada, Tekh. v sel'khoz. 25 no. 5 41-42 My '65.

Substantiation of the economic expediency of establishing cement storage centers in large transport terminals, A. P. Kazakov, Trudy GIVT no. 49 3-17 '63.

## LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Modernization of the 4000M automatic loader, A. Kats, B. Shmilovich, Mor. flot. 25 no. 4 15-16 Ap '65.

Novikov, V. A., N. M. Kichigin, and V. I. Vasil'ev. [The TL-TAINS single-bucket tractor-mounted loaders and shovelling machines] Odnokovshkovye traktornye pogruzhchiki-traktornye lopaty TL-TAINS. Moskva, Mashchekvala promyshlennosti, 1965. 141 p.

The PNB-3m loading machine, Shakhit, stroi. 9 no. 6 3 of cover My '65.

Substantiation of the number of loading and unloading machines servicing the warehouses on the wharves of a port A. A. Onolnoi Trudy GIVT no. 49 18-26 '63.

## LOAM SOILS

(see also subdivision under Ukraine)

Growing farm crops under irrigation in sandy-loam soils, P. A. Maliugin, Vest. sel'khoz. nauki [Kazakh.] 8 no. 2 20-25 F '65.

## LOCAL FINANCE

[Budget and the budget committees of local soviets] Budzhet i budzhelnye komissii mestnykh Sovetov. Moskva, Finansy, 1965. 142 p.

## LOCAL SERVICE AIRLINES see Airlines, Local service

## LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. Zhur. Avt. i gor. transp. no. 7 11 '65. [Pridmetnyi ukazatel'] 1964 8.

## LOCKS (HYDRAULIC ENGINEERING)

Construction of the head of a navigation lock by the use of a giant caisson, V. Shchukov, Iz. Zhivshaya, Gor. transp. 23 no. 1 3-33 D '64.

## LOCOMOTIVES

Determining the length of time of manoeuvring movements and selecting the switch locomotives, V. P. Kazantsev Trudy MFT no. 703 146-162 '65.

The technical standards of Soviet locomotives, I. A. Furmanov, Zhel. dor. transp. 47 no. 1 77-80 Ap '65.

## LOCOMOTIVES—DESIGN AND CONSTRUCTION

Characteristics of the traction properties of modern locomotives and the inertia calculations of train weights, D. A. Okhanashvili, Trudy GVI (Gruz.) no. 7129-134 '63.

## LOCOMOTIVES—MAINTENANCE AND REPAIR

Defectless repair of locomotives, S. N. Zaitseva, Zhel. dor. transp. 47 no. 6 55-57 My '65.

High standards of production and the elements of a scientific organization of work, I. A. Igoshin, I. A. Tsakhilov, Flek. i topl. torg. 9 no. 4 3-8 Ap '65. In the Colloquium of the Ministry of Railroad Transport; Improve the organization of locomotive repair and technical maintenance, Zhel. dor. transp. 47 no. 6 76 My '65.

Russia (1923— U. S. S. R.) Ministerstvo putei soobshcheniya. [Regulations for the current repair, servicing and maintenance of locomotives] Pravila tekhnicheskogo remonta, ukhoda i soderzhanija parovozov, Moskva, Transzheldorizdat, 1960. 634 p.

## LOCOMOTIVES—PARTS

Reliability and life of spare parts, I. M. Vorobiev, Zhel. dor. transp. 47 no. 6 50-54 My '65.

## LOCOMOTIVES—PERFORMANCE

Traction and power characteristics on various track grading taking the train inertia into account, K. K. Tikhonov, Trudy MFT no. 263 44-163 '65.

## LOCOMOTIVES—TESTING

Comparison of locomotives by the specific capacity, L. G. Abulishvili, Zhel. dor. transp. 47 no. 6 54-55 Je '65.

## LOGGING RAILROADS—BRAKES

Double-duty hand brake for the rolling stock of narrow-gauge logging railroads, I. S. Gortunov, Trudy SGT 33 3-11 '62.

## LOGIC

An interesting book on dialectical logic, V. Gushchikov, Vest. Mosk. un. Ser. fil. i ekon., filoz. 20 no. 2 70-80 Mr-Apr '65.

The Leibnizian concept of equality and synonymy, D. G. Griaznov, Vop. filoz. 19 no. 6 124-128 '65.

Poniat'skii, V. N. [Brief course in logic; a textbook] Kratkiy kurs logiki; uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1965. 47 p.

## LOGIC, SYMBOLIC AND MATHEMATICAL

Complexity of series-parallel contact networks realizing one sequence of Boolean functions, R. I. Kiselevskii, Probl. kib. no. 12 45-55 '64.

Error correcting networks of functional elements, G. I. Kirenenko, Probl. kib. no. 12 29-37 '64.

Formal and mathematical logic, M. N. Alekseev, Vop. filoz. 19 no. 6 113-123 '65.

Representation of functions by nonrepetitive superpositions in three-valued logic, L. M. Sosnukhin, Probl. kib. no. 12 57-68 '64.

Some properties of essential functions of  $P_k$ , L. I. U. Zakhurova, S. V. Iablonnik, Probl. kib. no. 12 247-253 '64.

Treatment of the theory of automata by methods of the theory of relations, M. A. Spivak, Probl. kib. no. 12 68-87 '64.

## LOGS (NAUTICAL INSTRUMENTS)

A book deserving attention, A. E. Korablev, Mor.abor. 48 no. 6 87-90 Ja '65.

## LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

He stood at the source, Semlin i shkola 20 no. 4 17 Ap '65.

Introductory address by Academician M. V. Koldyash, President of the Academy of Sciences of the U. S. S. R., Vest. AN SSSR 35 no. 5 113-116 My '65.

Lomonosov and navigation, IU. Grishin, Mor. flot. 25 no. 4 41-42 Ap '65.

Lomonosov and the principles of natural science, I. I. Sedov, Vest. AN SSSR 35 no. 5 116-125 My '65.

Lomonosov on the selling of books, D. T. Il'ichev, Kalzh. torg. 16 no. 3 46-47 Mr '65.

Man of great intelligence, N. P. Igumovskii, Otklady 41 no. 4 178-180 Ap '65.

Something new on the mosaic workshop of Lomonosov, E. Nekrasova, Iakusivo 20 no. 4 61-64 '65.

**LOMONOSOV DISTRICT—EDUCATION, PRESCHOOL**  
What preschool institutions are needed. V. Tikhonov.  
Donsk vosp. 38 no. 4-63-84 Ap '65

#### LONDON—LIBRARIES

Treasures of the Indian Office Library. A. Anvari.  
Az i Afri seg 8 no. 6-53 Je '65

#### LONDON—OPERA

Benjamin Britten speaks. Sov. muz. 20 no. 3-63-64  
Mk '65.

#### LONGFELLOW, HENRY WADSWORTH, 1807-1882

Verbal comparisons in poetic translation; according to I. A. Bunin's translation of "Song of Hiawatha" by W. Longfellow. L. S. Barkhudarov. Uch zap Kaf perev MGITIA no. 2-41-80 '61.

#### LOSEVO (VORONEZH PROVINCE)—COMMUNITY CENTERS

If initiative had been shown. . . . Vadim Churbanov.  
Part zhizni no. 12 49-53 Je '65.

#### LOUDSPEAKERS

Reference sheet. Radio no. 3-50-01 Mr '65

#### LOVE

[Tale of first love] Povest' o pervoy lyubvi. Moskva, Izd-vo "Pravda", 1965. 71 p. (Biblioteka "Komsomol'skoi pravdy," no. 6)

#### LOVOZERO LAKE REGION—MAGNETISM, TERRESTRIAL

Results of magnetotelluric sounding in the region of the Lovozero geophysical station. I. M. Egerov, V. G. Chernozemova. Izv AN SSSR, Fiz. zem. no. 2-82-85 '65

#### LOVOZERO TUNDRA—SYENITE

Volikite sodalite syenites of the Lovozero alkali tundra; some problems in petrology and geochemistry. A. I. Poljakov, E. V. Kostetskaya. Izv. AN SSSR, Ser. geol. 30 no. 6:16-25 Je '65.

#### LOWER TUNGUSKA VALLEY—MINERAL WATERS

Genesis of the hydrosulfur chloride calcium-sodium springs in the middle Lower Tunguska basin. M. A. Volkova. Geol. i geofiz. no. 3:158-163 '65.

#### LUBRICATION AND LUBRICANTS

Holding grease in case of absorption of water vapors. V. M. Martynov, M. V. Morozova, N. D. Kuchinskaya. Nefteper. i neftekhim. no. 1:26-28 '65.

Determining the carbonates in the additives to motor oils. N. I. Lodyzhnikov, A. V. Druzhinin. Nefteper. i neftekhim. no. 1:17-18 '65.

Effect of temperature on the corrosiveness of lubrication oils containing additives. F. G. Suleimanova, A. B. Liksha. Zaach. mel. 1 no. 2:235-238 Mr-Apr '65

Effect of the degree of saturation of a fatty acid radical on the structure of hydrated Ca-soap in plastic soap gels. V. V. Sinitayn, I. U. L. Ishchuk, B. N. Kartinin. Koll zhur. 27 no. 2 264-268 Mr-Apr '65.

Hydrodynamics of a nonisothermal lubrication layer. M. E. Fodor'skii. Izv. AN SSSR, Mekh. no. 2:26-32 Mr-Apr '65.

Prevention of oil leak in a turbine. A. P. Perevozchikov, V. V. Dzhigil. Energetik 13 no. 4:10-12 Ap '65.

#### LUBRICATION AND LUBRICANTS—ADDITIVES

[Lubricating oils and additives; technical specifications and testing methods] Masla smezoshnye i prisladi k nim; tekhnicheskie trebovaniya, metody ispytaniy. Izd. Oilsil'noe. Moskva, Standartiz, 1962. 578 p. (SSSR Gosudarstvennyye standarty)

#### LUBRICATION AND LUBRICANTS—EQUIPMENT AND SUPPLIES

Continuous heater of lubricant grease. Avt. transp. 43 no. 6:27-28 Je '65.

#### LUGANSK—PACKINGHOUSE WORKERS—DISEASES AND HYGIENE

Toxoplasmosis in workers in a meat factory. L. P. Orstenko. Zhur. mikrobiol., epid. i immun. 42 no. 2: 58-61 F '65.

#### LUGANSK PROVINCE—CHILD WELFARE

Young people side by side with us. L. Nemenova. Agitator 33 no. 11:26-30 Je '65.

#### LUGANSK PROVINCE—CONSTRUCTION WORKERS

Young people side by side with us. L. Nemenova. Agitator 33 no. 11:26-30 Je '65.

#### LUGANSK PROVINCE—MACHINERY INDUSTRY—MANAGEMENT

Centralization of the administration of production. M. Cherednychenko, B. Kozlovskiy. Ekon. Rad. Ukr. 8 no. 6:48-50 Je '65.

#### LUGANSK PROVINCE—MILLET

Wide-row planting of millet. D. A. Lysenko. Zemledelie 27 no. 5:80-82 My '65.

#### LUGANSK PROVINCE—SWEET CLOVER

Economic efficiency of sweet clover. V. Kanishchov. Ekon. Rad. Ukr. 8 no. 3:75-76 Mr '65.

#### LUMBER—DRYING

(see also subdivision under Forgana Valley)

Romanovskii, S. G. [Induction drying by means of commercial frequency currents] Induktionnaya suushka tokami promyshlennoi chastoty. Kiev, Gostekhnizdat USSR, 1963. 118 p.

#### LUMBER—TRANSPORTATION

(see also subdivision under Siberia)

Analysis of the skidding of the driving wheels of logging trucks. L. M. Kopelevich. Trudy STI 33:105-118 '62.

Apparatus for measuring the stress in the traction part of winch units. P. B. Gaidachil. Trudy STI 33 87-73 '62.

Characteristics of starting motor-vehicle engines under conditions of low temperatures. N. P. Protopopov. Trudy STI 33:44-53 '62.

Cherepanov, V. I. A. [Repair of the steel bodies of vessels and machines used in lumber floating] Remont stal'nykh korpusov lesosplavnykh sudov i mashin. Moskva, Lesnaya promyshlennost', 1965. 151 p.

Experimental study of the skidding of the MAZ-501 logging truck. L. M. Kopelevich. Trudy STI 33:119-129 '62.

Leshkovich, A. I. [Bunching, loading, and unloading lumber into water] Shlabotavka, pogruzka i sbroska lesa na vodu. Moskva, Lesnaya promyshlennost', 1965. 250 p.

Moscow. Tsentral'nyi nauchno-issledovatel'skiy institut

length log bundles] Volnostolchivye sigary i vygruzka khyetovyykh puchkov. Moskva, 1964. 20 p. (Lesno-eksploatatsiya)

#### [MICROFILM]

Prestarting heating of motor-vehicle engines in winter. N. P. Protopopov. Trudy STI 33:38-43 '62.

The shipping reach should yield profit. G. Korlakin. Rech. transp. 23 no. 12:12-13 D '64.

Tikhonov, B. N. [Larch floating] Splav listvennaty. Moskva, Lesnaya promyshlennost', 1965. 156 p.

#### LUMBERING

Pobedinski, A. V. [Principal yield cuttings] Rubki glavnykh pol'zovaniy. Izd. 2, perer., i dop. Moskva, Lesnaya promyshlennost', 1964. 207 p.

(DNAL)

Studying operating conditions of the automatic unit of a continuous production line of bucking full-length logs. V. I. Kondrat'ev, F. N. Sokolov. Trudy STI 33:108-104 '62.

#### LUMBERING—MACHINERY

Cherepanov, V. I. A. [Repair of the steel bodies of vessels and machines used in lumber floating] Remont stal'nykh korpusov lesosplavnykh sudov i mashin. Moskva, Lesnaya promyshlennost', 1965. 151 p.

Leshkovich, A. I. [Bunching, loading, and unloading lumber into water] Shlabotavka, pogruzka i sbroska lesa na vodu. Moskva, Lesnaya promyshlennost', 1965. 250 p.

#### LUMBERYARDS—EQUIPMENT AND SUPPLIES

Zhukov, A. V. [Equipment for lumberyards] Oborudovanie skladov lesomaterialov. Izd. 3, perer., i dop. Moskva, Lesnaya promyshlennost', 1965. 557 p.

#### LUMINESCENCE

Calculating the luminescence of finite volumes with inverse population of levels. A. M. Samson. Zhur prikl. spekt. 2 no. 3:232-242 Mr '65

Chemiluminescence and antioxidative properties of human lipids. A. I. Zhuraviev, I. N. Filippov, V. V. Simonov. Trudy MOIP, Old. biol. 21:75-89 '65

Chemiluminescence and toxicity of hydrogen peroxide and cysteine reaction products. V. N. Benavolenskii, N. N. Koshcheenko, V. A. Veselovskii. Trudy MOIP, Old. biol. 21:112-116 '65

Chemiluminescence of DNA solutions following X-ray irradiation. N. M. Emanuel' and others. Trudy MOIP, Old. biol. 21:119-121 '65.

Chemiluminescence of oleic acid. L. F. Tkher. Trudy MOIP, Old. biol. 21:203-205 '65.

Chemiluminescent quantitative analysis. A. A. Pozo-marenko. Trudy MOIP, Old. biol. 21:165-167 '65.

Correlation between bioluminescence and chemiluminescence of biological substrates. I. I. Gitel'son. Trudy MOIP, Old. biol. 21:194-195 '65.

Determination of niobium by the luminescent method. V. V. Klimov, O. S. Didkovskaya. Trudy IREA no. 25: 105-202 '63.

Development of luminescence under the action of glacial acetic acid on serum albumin. I. I. Sapezhinskiy, I. U. V. Silaev. Trudy MOIP, Old. biol. 21:117-118 '65.

Effect of some radioprotective substances on the after-glow of serum albumin solutions. I. I. Sapezhinskiy, N. M. Emanuel' Trudy MOIP, Old. biol. 21:122-124 '65.

Luminescence method for studying free radical states. N. A. Klinov, T. G. Mamedov, B. N. Tarasov. Trudy MOIP, Old. biol. 21:107-111 '65

Mechanism of chemiluminescence of oxidation reactions in solutions. K. A. Alibabaev and others. Trudy MOIP, Old. biol. 21:18-18 '65

Photoelectric devices for studying weak luminescence. R. F. Vasil'ev. Trudy MOIP, Old. biol. 21:170-176 '65.

Possibility of using a luminescence counter for the spectroscopy of the natural  $\gamma$ -radiation of rocks. R. Sh. Khitronova. Izv Kazan fil AN SSSR, Ser. geol. nauk no. 10 120-125 '63

Some problems of the mechanism of chemiluminescence. R. F. Vasil'ev. Trudy MOIP, Old. biol. 21:199-202 '65

Studying chemiluminescence of the thermal decomposition of hydrogen peroxide in water. G. B. Molozova, L. L. Klazeva. Trudy MOIP, Old. biol. 21:161-164 '65.

Thermoluminescence of Na(Tl) crystals. Z. B. Batur-chova and others. Ukr. fiz. zhur. 10 no. 3:348-350 Mr '65.

Use of luminescent microscopy for determination of epigenetic and syngenetic bituminosity of rocks. I. A. Olin. Geol. i geofiz. no. 12 119-123 '61

**LUMINOUS BACTERIA** see Bacteria, Luminous

**LUNACHARSKII, ANATOLI VASIL'EVICH, 1875-1933—BIBLIOGRAPHY** see Bibliography—Lunacharskii, Anatoli Vasil'evich, 1875-1933

**LUNAR ECLIPSES** see Eclipses, Lunar

#### LUNGS

Dosage computation in the irradiation of lungs with radioactive particles. A. V. Bykhovskii, O. M. Zaitsev. Med. rad. 10 no. 3 31-39 Mr '65.

Economic lung resections in the light of topographical-anatomical data. E. V. Serova. Vest. khir. 93 no. 11: 61-67 N '64.

Fibrous structures of the lung in influenza and bacterial pneumonia. N. E. Botman. Sbor. nauch. trud. Inst. infek. bol. no. 4:108-103 '64.

Microscopic picture of the lungs in stillborn infants. B. R. Shal'man-Satin. Sud.-med. ekspert 3 no. 2 17-21 Ap-Je '60

Morphological changes in the lungs of irradiated mice following infection with influenza. V. P. Ermakina. Sbor. nauch. trud. Inst. infek. bol. no. 4:104-109 '64.

#### LUNGS—BLOOD SUPPLY

Angiomorphological parallels in pulmonary cancer. N. I. Khuranovich, I. P. Solov'eva. Vest. rent. i rad. 39 no. 6 26-31 N-D '64.

Case of aneurysmal vascular dilatation in the lungs. N. P. Gurekii, P. I. Mikulin. Vest. rent. i rad. 40 no. 10:1-62 Ja-F '65.

Gibradze, T. A. [Bronchi and blood vessels of the lung] Bronkhi i krovosnabzheniye sosudy legkogo. Tbilisi, Metsnoba, 1964. 255 p. (DNLM)

#### LUNGS—CANCER

Angiomorphological parallels in pulmonary cancer. N. I. Khuranovich, I. P. Solov'eva. Vest. rent. i rad. 39 no. 6 26-31 N-D '64.

Cancer of the stomach accompanied with the development of military carcinomatosis of the lungs in conjunction with military tuberculosis of the lungs. N. U. Paltichuk, V. P. Nechiporenko. Vest. rent. i rad. 40 no. 1:66-67 Ja-F '65.

Content and excretion of the derivatives of nicotine acid in patients with cancer of the stomach and the lungs. A. P. Kalashnikov. Vop. onk. 10 no. 12:32-34 '64.

Effect of the progress of the disease on the results of surgical treatment in pulmonary cancer. I. A. Maksimova. Vop. onk. 11 no. 1:6-11 '65

Further cinerontgenographic studies in pulmonary cancer. I. U. N. Sokolov, P. A. Spasskaya, A. G. Stetsuk. Vest. rent. i rad. 39 no. 6 20-26 N-D '64.

Method of combined intravenous phlebography and x-rayography in cancer of the lungs. S. I. Marmorshtein, A. Kh. Trakhtenberg, I. V. Bidiak. Vop. onk. 11 no. 3:99-104 '65.

Optimal conditions for X-ray therapy of the central form of lung cancer. A. V. Frolova, N. A. Fereseni, T. P. Evstigneeva. Med. rad. 10 no. 5:9-13 My '65.

Results of combined treatment of patients with lung cancer, 6-fluorouracil and X-ray therapy. N. G. plokhina, M. B. Bychkov, M. S. Starichkov. Med. rad. 10 no. 5:13-17 My '65.

Results of the use of bronchoscopy under anesthesia in apnea in the diagnosis of cancer of the lungs. I. I. Neimark, L. N. Kamardin. Vop. onk. 10 no. 12:64-68 '64.

Role of a dispensary for tuberculosis control in the detection of lung cancer. S. I. Bulanova, V. B. Smulovich, A. Sh. Sharman. Vop. onk. 11 no. 3:85-88 '65.



## LUNGS—COLLAPSE

Morphological difference between atelectasis of the lungs and pneumonia in suddenly deceased breast-fed children. A. A. Mitshaeva. *Sov. med. eksp.* 3 no. 2 6-17 Ap-Je '60.  
X-ray diagnosis of lobar and segmental atelectases in children. I. A. L. Ship. *Vest. rent. i rad.* 40 no. 13-7 Ja-F '65.

## LUNGS—DISEASES

Case of intravital diagnosis of cystic degeneration of the lungs. M. M. Minolovich. *Trudy Inst. im. N. V. Sklif. 5 no. 2* 225-231 '63.  
Cytomorphology in diseases of the lungs. G. L. Fedorov, O. S. Antonov, E. D. Bogatova. *Sov. med.* 28 no. 36-38 Ap '65.  
Clinical and radiological parallels in the diagnosis of cardiac and pulmonary pathology by the use of radioactive sodium ( $Na^{24}$ ). B. E. Votchak and others. *Trudy TSU* 71 17-34 '64.  
Distribution of  $Ca^{45}$  following its intratracheal administration. G. K. Korotkiy. *Med. rad.* 10 no. 3-61-66 Mr '65.  
Oxygen therapy in influenza and its pulmonary complications. E. A. Birkovskaya. *Sbor. nauch. trud. Inst. infek. bol.* no. 4-188-192 '64.  
Pathogenesis of pulmonary suppurative diseases and their treatment. S. A. Mamedzade, S. M. Salikhov, N. E. Bagdasarov. *Azerb. med. zhur.* 42 no. 3-60-67 Mr '65.  
Pathogenesis of the pulmonary form of experimental tularemia. R. A. Savell'eva, E. V. Ananova. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 65-70 Mr '65.  
Pulmonary complications in patients with acute surgical diseases of organs of the abdominal cavity under various methods of anesthesia. I. N. Ershova, V. V. Rumyantseva. *Trudy Inst. im. N. V. Sklif.* 9 214-217 '63.

## LUNGS—INNERVATION

Signals from pulmonary receptors transmitted on non-myelinated fibers of the vagus nerve. A. V. Zevaka. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7 45-46 '64.

## LUNGS—RADIOGRAPHY

Cytomorphological parallels in pulmonary cancer. M. I. Khuramovich, I. P. Solov'eva. *Vest. rent. i rad.* 3 no. 6 26-31 N-D '64.  
Some possibilities of the use of tomography in X-ray diagnosis of acute pneumonia. Sh. Shotemur. *Vest. rent. i rad.* 39 no. 6 43-49 N-D '64.  
X-ray changes in the lung roots of qualified athletes. L. P. El'manovich. *Teor. i prakt. fiz. kul't.* 28 no. 6 15-16 Je '65.  
X-ray diagnosis of residual pleural cavities after partial resection of the lungs. E. G. Grossman. *Vest. rent. i rad.* 40 no. 2 68-69 Mr-Apr '65.

## LUNGS—SURGERY

Economic lung resections in the light of topographical-anatomical data. E. V. Serova. *Vest. khir.* 93 no. 11 51-67 N '64.  
Effect of the progress of the disease on the results of surgical treatment in pulmonary cancer. I. A. Makshimova. *Vop. onk.* 11 no. 6-11 '65.  
Radical operations on lungs in calves. M. P. Gor'kov, V. B. Panov. *Veterinarnia* 41 no. 8 81-92 Je '64.  
Treatment of pulmonary adenomatosis. L. A. Kolomitseva. *Sov. med.* 28 no. 4 71-74 Ap '65.  
X-ray diagnosis of residual pleural cavities after partial resection of the lungs. E. G. Grossman. *Vest. rent. i rad.* 40 no. 2 68-69 Mr-Apr '65.  
X-ray examination of early and late complications following radical operations in pulmonary tuberculosis. Z. I. Shul'eva. *Vest. rent. i rad.* 40 no. 2 67-68 Mr-Apr '65.

## LUNGS—TUMORS

An attempt to use drugs and radiation in adenomas of the lungs in mice. L. Griculate. *Vop. onk.* 10 no. 12 59-63 '64.

Treatment of pulmonary adenomatosis. L. A. Kolomitseva. *Sov. med.* 28 no. 4 71-74 Ap '65.

## LUNGWORMS

Prophylaxis of dictyocaulosis in cattle; a selection of articles. I. S. Chernov and others. *Veterinarnia* 41 no. 4 45-48 Ap '65.  
Stall and run maintenance of calves as an effective measure in the control of dictyocaulosis. A. I. Podobedov. *Veterinarnia* 42 no. 5 61 My '65.

LUPINE see subdivision under Ukraine; White Russia

## LUPINE—FERTILIZERS AND MANURES

Biological control and time for placing mineral fertilizers as factors in increasing the yield of narrow-leaved lupine on turf-podsolic and sandy loam soils. A. I. Zhukov. *Uch. zap. MOPI* 124-305-325 '63.  
Effect of fertilizers on the yield of the forage forms of *Lupinus polyphyllus*. I. U. N. Tabachkova. *Khim. v sel'. khoz.* 3 no. 4 16-17 Ap '65.

## LUPUS ERYTHEMATOSUS

Conjunctival and corneal lesions in discoid lupus erythematosus. A. M. Arlevich, A. I. A. Vilenkina, Z. I. Shapiro. *Vest. dermat. i ven.* 38 no. 6 41-43 Je '64.

## LUTETIUM ISOTOPES

Lutetium with a half-life of 3 hours. M. P. Avotina and others. *Iad. fiz.* 1 no. 8 858-880 Je '65.

## LUTIDINE

Polarographic study of the effect of ethanol concentration on the rate of pyridine and 2,6-nitrophenol protonization by water. S. G. Mahanovskiy, V. P. Guit'ali. *Elektrokhimiya* 1 no. 4 460-465 Ap '65.

## LUTSEVICH, IVAN DOMINIKOVICH, 1882-1942

Makarevich, Ales'. [From folk songs and ballads] Ad. pesen' i dumak narodnykh. Minsk, Navuka i tekhnika, 1965. 121 p.

## LVOV—CHAIRS

New models of theater bent-wood chairs. Z. A. Dvorniak. *Bum. i der. prom.* no. 2-24-25 Ap-Je '65.

## LVOV—CONSTRUCTION INDUSTRY

There are similar resources in every construction and assembly administration. S. Zubatov. *Nash o Ros.* 8 no. 6 28-29 Je '65.

## LVOV—INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

Learn to manage economically and efficiently. V. Zusan'skiy. *Ekon. Rad. Ukr.* 8 no. 3 71-75 Mr '65.

## LVOV—INFLUENZA

Characteristics of the epidemiology and etiology of influenza in 1959 in Lvov. N. V. Romanov, V. D. Gizeleva, S. V. Gorbanko. *Sbor. nauch. i stud. infek. bol.* no. 4 31-35 '64.  
Study of the variations in the immunity to influenza in the population of Lvov in the epidemic and interepidemic periods of 1959. I. A. Vinograd. *Sbor. nauch. i stud. infek. bol.* no. 4 54-57 '64.

## LVOV—PETROLEUM PRODUCTS

Improving the quality of the Lvov petroleum growth promoting substances. H. V. Sabirova and others. *Khim. prom. [Ukr.]* no. 2 32-33 Ap-Je '65.

## LVOV—TELEGRAPH—EQUIPMENT AND SUPPLIES

From the work practice of a machine accounting station. V. Mechetin, G. Kostylev. *Bukhg. uch.* 22 no. 2 50-51 F '65.

## LVOV ECONOMIC REGION—INDUSTRIAL MANAGEMENT

Role of the plant fund in increasing the material self-interest. M. Alekseienco, F. Mykhail'chuk. *Ekon. Rad. Ukr.* 8 no. 3 63-66 Mr '65.

Ways to improve administrative guidance are verified by experiment. Z. Sotchenko, L. Radzilav'ska, L. Lybchansk'ska. *Ekon. Rad. Ukr.* 8 no. 3 42-47 Mr '65.

## LVOV PROVINCE—AGRICULTURE

Concentration and specialization of agriculture in Lvov Province. P. Ivanukh. *Ekon. Rad. Ukr.* 8 no. 6 51-57 Je '65.

## LVOV PROVINCE—EXCAVATIONS (ARCHAEOLOGY)

The Chernyakhov Culture monuments of the Bug Basin (the 1957-1960 excavations). V. D. Baran. *Mat. i issl. po arkheol. SSSR* no. 116 213-252 '64.

## LVOV PROVINCE—FIELD CROPS

Tillage after postharvest crops. S. V. Begel. *Zemle-delle* 27 no. 5 35-35 My '65.

## LVOV PROVINCE—MUSEUMS

In the national museums of the Lvov region; a photo-report. A. Gerinas, V. Fedorchenko. *Agitator* 33 no. 11 32-33 Je '65.

## LVOV PROVINCE—SLAVIC ANTIQUITIES

The Chernyakhov Culture monuments of the Bug Basin (the 1957-1960 excavations). V. D. Baran. *Mat. i issl. po arkheol. SSSR* no. 116 213-252 '64.

## LVOV UNIVERSITY

Ukrains'ke tovarystvo druzyby i kul'turnoho z'v'iazku z Zakhidnyimi krajinami. [University in Lvov] Universytet u L'vovi, Kyiv, 1963. 41. 27 photos (in portfolio) (CaBVatU)

## LYMPHATICS

Age-related changes in the intraorganic lymphatic vessels of the heart. V. V. Fedin. *Arkh. anat. i gist. i embr.* 48 no. 3 60-65 Mr '65.

Comparative electron microscopic study of the structure of walls of blood and lymph capillaries. D. A. Zhdanov, V. A. Shakhmatov. *Arkh. anat. i gist. i embr.* 47 no. 10 13-18 O '64.

Lymphatic system of the parathyroid gland in man. V. N. Balashev, M. S. Ignashkina. *Probl. endok. i gorm.* 10 no. 5 52-55 S-O '64.

Lymphoid apparatus of the intestine in rabbits under normal conditions and in artificial sensitization. T. V. Ponomareva. *Arkh. anat. i gist. i embr.* 48 no. 4 67-74 Ap '65.

Morphology and nomenclature of immunologically competent cells of lymphoid tissue. M. P. Pokrovskaya and others. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 8-13 Mr '65.

## LYMPHATICS—CANCER

Effect of acclimatization to hypoxia on the growth and radiosensitivity of rat lymphosarcoma. G. A. Vasil'ko and others. *Med. rad.* 10 no. 2 35-40 F '65.  
Introduction of radioactive colloidal solutions of  $Ag^{110m}$  p32 and  $Ag^{110}$  into the lymphatic vessels. N. I. Tsvetkov. *Med. rad.* 10 no. 5 61-66 My '65.  
Significance of lymphography in some malignant diseases of the lymphatic system. B. I. A. Lukhanchenko, I. G. Raevskiy. *Vest. rent. i rad.* 40 no. 1 38-41 Ja '65.

## LYMPHATICS—DISEASES

Hashimoto's struma lymphomatosa in a male. B. I. Truten'. *Probl. endok. i gorm.* 10 no. 5 65-68 S-O '64.

## LYMPHATICS—RADIOGRAPHY

Direct lymphography in tumors of the uterine cervix. D. L. Kleinman, L. M. Lobkova. *Vop. onk.* 11 no. 3 35-42 '65.

Significance of lymphography in some malignant diseases of the lymphatic system. B. I. A. Lukhanchenko, I. G. Raevskiy. *Vest. rent. i rad.* 40 no. 1 38-41 Ja '65.

## LYMPHATICS—TUMORS

Some problems of the clinical aspects and epidemiology of lymphomatosis of chickens. A. A. Popov, V. A. AN SSSR, Ser. sel'khoz. nauch. no. 4 12 1-12 N '64.

LYMPHOSARCOMA see Hodgkin's disease

## LYOPHILIZATION—PHYSIOLOGICAL EFFECT

Effect of lasting storage in lyophilized state on the basic properties of the BCG vaccine strain. I. I. Nakhimov, T. P. Kozhevnikova, T. B. I. A. Lukhanchenko. *Zhur. mikrobiol. epid. i immun.* 42 no. 1 62-67 Ja '65.

## LYSINE DECARBOXYLASE

Lysine decarboxylase production by submerged cultures of *Bacterium cadaveris*. L. D. Cherkas, I. I. A. Lukhanchenko. *Mikrobiologiya* 34 no. 2 223-229 Mr-Apr '65.

## LYSOZYME see Muramidase

## MACHINE ACCOUNTING

(see also subdivision under Communist countries)

From the work practice of a machine accounting station. V. Mechetin, G. Kostylev. *Bukhg. uch.* 22 no. 2 50-51 F '65.

Machine accounting for production costs. N. Savitskiy. *Bukhg. uch.* 22 no. 2 18-20 F '65.

Machine accounting in the shoe industry. D. Duborizhskiy. *Bukhg. uch.* 22 no. 2 13-17 F '65.

Machine operational accounting for materials. I. I. A. Lukhanchenko. *Bukhg. uch.* 22 no. 2 47-49 F '65.

Use of billing machines in standard calculations. I. Nemchenok. *Bukhg. uch.* 22 no. 2 65-72 F '65.

We are expanding the mechanization and centralization of accounting. I. Gavrillovich. *Den. i kred.* 23 no. 6, 63-66 Je '65.

## MACHINE ACCOUNTING—BIBLIOGRAPHY see 140

Bibliography—Machine accounting

## MACHINE MOLDING (FOUNDING)

Introducing the chill-molding machine for complex castings by small lots. M. M. Brilinkh, V. I. A. Lukhanchenko. *Ilust. i tekhn. inform.* 18 no. 5 22-23 My '64.

## MACHINE PARTS

Large machinery parts made from glass phenolics. O. A. Fridman and others. *Khim. prom. [Ukr.]* no. 2 60-62 Ap-Je '65.

Machine construction elements made of polymeric materials. V. A. Belyi. *Zhur. V KHO* 10 no. 2 169-178 '64.

## MACHINE PARTS—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts. Hydraulic drive] Ref. zhur.: Mashinostroi. mat., konstr. i raach. det. mash. Qidr. no. 6 Je '65.

## MACHINE PARTS—CLASSIFICATION

Classificational structure of the part nomenclature of a machinery plant. O. S. Chernyl. *Mashinostroenie* no. 3 108-107 My-Je '65.

## MACHINE PARTS—RELIABILITY

Increasing the wear resistance and fatigue strength of machine parts. I. V. Polko, G. I. Lukashovich. *Mashinostroenie* no. 3 9-10 My-Je '65.

Use of the method of mathematical statistics for evaluating the durability of machine parts and their wear. V. I. Kazartsov. *Zap. Len. sel'khoz. inst.* 85 3-17 '61.

## MACHINE PARTS—STANDARDS

Zak, G. G., and L. I. Rubinshteyn. [Handbook of standardized machine parts and units] Spravochnik normirovannykh detalей i uzlov mashin. Minsk, Nauka i tekhnika, 1965. 708 p.

## MACHINE PARTS—THERMAL PROPERTIES

Thermophysical parameters and the coefficients of heat flow distribution used in calculating friction temperatures of heat-resistant friction pairs. A. V. Chichladze, G. S. Sidorenko. Mashinovedenie no. 3 76-78 '65.

## MACHINE PARTS—VIBRATION

Designing a flexible suspension device with a very low frequency of natural vibrations. V. A. Ivovich, Vest mashinost. 15 no. 6:24-25 Je '65.

## MACHINE-SHOP PRACTICE

Determining tolerances for machining bushing holes eliminating their scraping after press fitting. A. I. Zhabin and others. Vest mashinost. 15 no. 5:41-45 My '65.

Mechanization of manual fitting work. A. L. Osmolovskii, Mashinostroyenie no. 2 35-38 Mr.-Ap '65.

Orientation of parts by the "sea ch method" in automatic assembly. V. M. Savitschenko, V. G. Baspalov. Vest mashinost. 45 no. 5:48-50 My '65.

## MACHINE-TOOL INDUSTRY

Aid for the industrial designer. Technological efficiency and industrial design. A. Davydovskii, Tekh. est. no. 3:8-15 Mr '65.

Development of machine-tool manufacture and requirements of the industrial design of machine tools. G. Zuzanov, Tekh. est. no. 3:1-7 Mr '65.

## MACHINE-TOOL INDUSTRY—MATHEMATICAL MODELS

Graphic method of constructing economic and statistical models. A. A. Frenkel', Ekon. i mat. metod. 1 no. 2: 275-281 Mr.-Ap '65.

## MACHINE TOOLS

(see also subdivision under Kirovakan)

Automatic line for machining the piston of a telescopic shock absorber. S. S. Kozhinski, E. R. Parkman, Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5:27-28 My '65.

## MACHINE TOOLS—ATTACHMENTS

Attachment with a magnetic clamp for milling and grinding machines. V. M. Cherkashin, N. P. Radomskii, Mashinostroyenie no. 3:80 My-Je '65.

High-efficiency attachments and fixtures. G. N. Khazin, Mashinostroyenie no. 3:83-86 My-Je '65.

Using plastic supports for the MK-54 and MK-56 machine tools. V. I. Kozlov, N. F. Papazov, Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5:44-45 My '65.

## MACHINE TOOLS—NUMERICAL CONTROL

Korendiaser, A. I., and E. I. Levkovskii, [Story about automatic machine tools] Rasekaz o slankakh-avtomatikakh. [Moskva] Profizdat, 1960, 114 p. (Massovaya biblioteka rabochego)

## MACHINE TOOLS—PRODUCTION STANDARDS

Automatic control and accounting for the utilization of machine tools. R. D. Streletsova, Mashinostroyenie no. 2:31-33 Mr.-Ap '65.

Production conditions and the loading of the ID61 and 163 machine tools. V. Adzhomian, Prom. Arm. 8 no. 4: 15-16 Ap '65.

## MACHINE TOOLS—RELIABILITY

(see subdivision under Ukraine)

## MACHINE TOOLS—TECHNOLOGICAL INNOVATIONS

Increasing the level of engineering efficiency of machine tools. A. M. Bolarus, I. A. Klevannala, Mashinostroyenie no. 2:23-26 Mr.-Ap '65.

## MACHINE-TRACTOR STATIONS

Political sections of the machine-tractor stations, 1933-1934. I. D. Zelenin, Ist. zap. 76:42-61 '65.

## MACHINE TRANSLATING

Algorithmic recognition of the meaning of homonyms; preliminary report. D. G. Lakut, V. S. Cherniavskii, NTI no. 1:40-47 '65.

Comprehension of a text in case of limited knowledge of the vocabulary. R. M. Frumkina, NTI no. 4:44-48 '65.

Extension of a theoretical and multiple model to a language with grammatical homonymy. I. I. Revzin, NTI no. 3 34-38 '65.

Machine translation of formulas for inorganic compounds toward a systematic nomenclature. A. L. Seifer, A. A. Matveeva, M. E. Pantukhina, NTI no. 1:23-26 '65.

A method of analysis of texts. G. V. Veklovskii, O. S. Kulagina, Probl. kib. no. 12:233-237 '64.

Quantitative analysis of the terminological facility of a vocabulary. L. G. Kravets, NTI no. 2:27-29 '65.

Semantics and machine translating. M. V. Arapov, I. A. Sholder, NTI no. 1:39-45 '65.

## MACHINE TRANSLATING—CONGRESSES

Colloquium on Algebraic Linguistics and Machine Translation in Prague. I. P. NTI no. 3:44 '65.

## MACHINERY—ABSTRACTS

(Materials for machinery manufacture and the design of machine parts. Hydraulic drive) Ref. zhur.; Mashinostroi. mat., konstr. i rasch. del. mash. i ddr., no. 6 Je '65.

[Technology of machinery manufacture] Ref. zhur.; Tekh. mashinost. no. 6 Je '65.

## MACHINERY—DESIGN AND CONSTRUCTION

Determining expedient limits for the standardization of parts and units. S. Khachatryan, Prom. Arm. 8 no. 4: 15-17 Ap '65.

Improvement of designs is the most important condition for the creation of perfect machinery. Mashinostroyenie no. 2:3-4 Mr.-Ap '65.

## MACHINERY—FOUNDATIONS

(see also subdivision under Kazakhstan)

Conference on Precast Reinforced Concrete Foundations under Machinery. G. G. Agranovskii, Osn. i fund. i mekh. grun. 7 no. 3:32 '65.

## MACHINERY—RELIABILITY

Determining the economic aspect of the durability of machinery. R. I. Paikh. Vest mashinost. 45 no. 5: 77-80 My '65.

## MACHINERY—WELDING

(see subdivision under Germany, East)

## MACHINERY, AUTOMATIC

Drive for industrial machinery and multiple-purpose automatic systems for its control. S. A. Iuditskii, Mashinovedenie no. 3 21-30 '65.

Some problems in the theory of pneumatic systems of automatic machines. F. V. Geris, Mashinovedenie no. 3:12-20 '65.

## MACHINERY, KINEMATICS OF

Calculating the kinematics of a reduction mill with a differential group drive. M. F. Stoletil, Trudy LPI no. 243:178-185 '65.

## MACHINERY INDUSTRY

(see also subdivision under Moldavia)

Criteria and evaluation of the technical level of technological processes of metal cutting. B. D. Bylov, Izv. vuz. ucheb. zav., mashinost. no. 3 92-100 '65.

The output of machinery and equipment is increasing, and export potentialities expand. A. Kirillov, Vneshtorg. 45 no. 8:3-8 '65.

Problems in the use of chemistry in the manufacture of machinery at the plenum of the Technical-Economic Council of the State Committee on the Machinery Industry. N. E. Nosovskii, Vest mashinost. 45 no. 5: 81-82 My '65.

## MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.; Vop. tekhn. prog. i org. proizv. mashinost. no. 7 Ji '65.

## MACHINERY INDUSTRY—ACCOUNTING

(see also subdivision under Novocherkassk)

Use of billing machines in standard calculations. I. Nemchenok, Buking. uch. 22 no. 2:65-72 F '65.

## MACHINERY INDUSTRY—COSTS

Nomogram for establishing minimum amount of expenses by the standard method of the Academy of Sciences of the U.S.S.R. M. A. Anisimova, Vest mashinost. 45 no. 6 82-83 Je '65.

## MACHINERY INDUSTRY—FINANCE

Characteristics of the computation of working capital under the conditions of extensively developed cooperation. P. Levitskii, Fin. SSSR 39 no. 8:38-43 Je '65.

## MACHINERY INDUSTRY—HYGIENIC ASPECTS

(see also subdivision under Perm)

Progress wins recognition. Okhr. truda i sots. strakh. 8 no. 5:10-11 My '65.

We are going to work in the "zone of highest comfort." I. U. Chicherin, Okhr. truda i sots. strakh. 8 no. 5: 12-13 My '65.

With the help of innovators. Okhr. truda i sots. strakh. 8 no. 5:14-15 My '65.

## MACHINERY INDUSTRY—LABOR PRODUCTIVITY

(see subdivision under Kazakhstan)

## MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Latvia; Lugansk Province; Ukraine)

At the State Committee on the Machinery Industry. Vest mashinost. 45 no. 6 88-87 Je '65.

Controlling the utilization of equipment by the method of instantaneous observations. I. A. K. Dendenko, Mashinostroyenie no. 2:81-84 Mr.-Ap '65.

Efficient organization of equipment repair is the most important source for labor saving in the machinery industry. I. I. Zotov, Vest mashinost. 45 no. 5:76-77 My '65.

In the State Committee of the Machinery Industry. Mekh. i avtom. proizv. 19 no. 4:56 Ap '65.

In the State Committee on the Machinery Industry. Vest mashinost. 45 no. 6:88-87 My '65.

Information, Plan. khoz. 42 no. 6:91-95 Je '65.

## MACHINERY INDUSTRY—QUALITY CONTROL

(see subdivision under Ukraine)

## MACHINERY INDUSTRY—PRODUCTION STANDARDS

(see subdivision under Leningrad Economic region)

## MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Tuapse District)

How to stimulate the construction and introduction of new machines? IU Margulis, Agiator 33 no. 11:52-53 Je '65.

Relationship between the efficiency and automation level in introducing new equipment and new technological processes. F. S. Spevakov, Mashinostroyenie no. 2:16-19 Mr.-Ap '65.

Soviet innovations in the field of machinery manufacture. Vest mashinost. 45 no. 5:85 My '65.

Soviet inventions in the machinery industry. Vest mashinost. 45 no. 5 85-86 Je '65.

## MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Work in the technical school workshops. D. V. Naumov, Sred. spets. obr. 12 no. 2 19-40 Ji '65.

## MACHINISTS' TOOLS—DESIGN AND CONSTRUCTION

Fitting and assembly tools. G. List, V. Shvili, Tekh. est. no. 3:26-28 Mr '65.

## MACROMOLECULAR COMPOUNDS

Some regularities of the adsorption of macromolecules from solutions. I. I. S. Liptov, L. M. Sergeeva, Koll. zhur. 27 no. 2 217-223 Mr.-Ap '65.

Studying the reactions of synthetic high-molecular substances with aluminum sulfate compounds. M. Kh. Kirakosiants, I. P. Strakhov, Nauch. trudy MTIL no. 30 25-34 '64.

## MACROMOLECULAR COMPOUNDS—OPTICAL PROPERTIES

Dependence of the refraction index on the intermediate molecular weight in the polymer homologous series of some high molecular compounds. I. Gecy, Vysokom. soed. 7 no. 4:642-646 Ap '65.

Optical properties of macromolecules of low degrees of polymerization. E. V. Frisman, M. A. Sibileva, Vysokom. soed. 7 no. 4 674-679 Ap '65.

## MACROPHAGES

Dynamics of the penetration of tetracycline and streptomycin into macrophages cultivated in vitro. O. N. Ekzemparov, Antibiotiki 10 no. 5 425-427 My '65.

In vitro reproduction of Salmonella typhimurium in macrophages. O. N. Ekzemparov, Zhur. mikrobiol. i immun. 42 no. 3 88-92 Je '65.

## MAGADAN—EMPLOYEES, DISMISSAL OF

We are preventing unlawful dismissals. A. Bobrov, Sots. zakon. 42 no. 6:61-62 Je '65.

## MAGNESIUM—ANALYSIS

Bis-allyl ethylenediamine, a luminescent reagent for the determination of magnesium. G. V. Serebriakova and others. Trudy IREA no. 25 9-16 '63.

Rapid method for the calorimetric determination of magnesium in a preparation of titanium dioxide of anatase modification using magnesium (prepared by the Institute of Chemical Reagents). P. M. Bogatyrev, E. A. Navozhskina, Trudy IREA no. 25:240-243 '63.

## MAGNESIUM—ELECTROMETALLURGY

Improving the technology for the electrolysis of magnesium chloride. K. D. Muzhzhavlev and others. TSvet. met. 33 no. 3:60-65 Mr '65.

Results of testing individual design elements of magnesium electrolytic cells. K. D. Muzhzhavlev and others. TSvet. met. 33 no. 5:57-60 My '65.

## MAGNESIUM ALLOYS

Developing and testing a chemical method of preparing heat resistant inorganic films on magnesium alloys. M. A. Timonova, L. N. Stoliarova, Zashch. met. 1 no. 2:207-214 Mr.-Ap '65.

## MAGNESIUM-ALUMINUM ALLOYS

(see Aluminum-magnesium alloys)

## MAGNESIUM NITRIDES

Preparation of granulated magnesium nitride by a continuous method. I. G. Revzin, V. I. Orlovskii, N. A. Palei, Trudy IREA no. 25:465-469 '63.

## MAGNESIUM OXIDES—ELECTRIC PROPERTIES

Character of the conductivity of MgO and Al<sub>2</sub>O<sub>3</sub>. V. P. Lugin and others. Ogneuproy. 30 no. 4:42-44 '65.

## MAGNESIUM PHOSPHATE CRYSTALS

Dehydration of crystal hydrates of disubstituted magnesium phosphate. I. S. Rassonkina, O. S. Novikova, Zhur. neorg. khim. 10 no. 6:1423-1426 Je '65.

## MAGNETIUM SALTS

On the synthesis of the salts of magnetium. G. I. Ivanov. Izv. AN SSSR, 1965, no. 5, 507-508.

## MAGNETIUM SULFATE

On the effect of the thermal effects of  $MgSO_4 \cdot 7H_2O$  on the properties of the material. I. G. Baryshnikov, Zhur. georg. fiz. i mat. nauk, 1965, no. 1, 122-123.

## MAGNETIUM-ZINC ALLOYS-CORROSION

On the corrosion of magnetium-zinc alloys. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIUM

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC AMPLIFIERS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC ANOMALIES

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC CIRCUITS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## [MICROFILM]

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC FIELDS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC FIELDS (COSMIC PHYSICS)

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC MATERIALS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC MEASUREMENTS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC MEMORY (COMPUTERS)

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC PROSPECTING

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC RECORDERS AND RECORDING

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC SEPARATION OF ORES

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC STORMS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIC TESTING

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETISM

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETISM, TERRESTRIAL

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETISM, TERRESTRIAL (COSMIC PHYSICS)

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETITE

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETIZATION

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOACOUSTIC EFFECT

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOHYDRODYNAMICS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETO-OPTICS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETRONS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETS-TESTING

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOGORSK-BLAST FURNACES

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOGORSK-CITY PLANNING

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOGORSK-ELECTRIC POWER DISTRIBUTION

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOGORSK-METAL INDUSTRIES-COSMOS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETOGORSK-KING OF NORWAY AND SWEDEN, 1918-1974

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAGNETS

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAHABHARATA

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAHGOUB, MUHAMMED AHMED, 1908-

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAIKOVSKI, VLADIMIR VLADIMIROVICH, 1893-1930

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

On the synthesis of the salts of magnetium. I. G. Baryshnikov, I. A. Ugarov, I. V. Vidorovich, Zashch. i tekhn. 1965, no. 1, 122-123.

## MAKOP—FOOD INDUSTRY

Laita introduce progressive practices into industry  
S. Litvinova. Sov. potreb. kooper. 9 no. 5:28 My '65

## MAIOROV, FEDOR PETROVICH, d. 1904

Fedor Petrovich Maiorov, an obituary. Zhur. vys. nerv. detat. 14 no. 6:1110-1111 N-D '64.

## MAIOROVA, VERA

The road begins with songs. S. M. Teatr. 26 no. 1:111 Ap '65

## MAIZE see Corn (Maize)

## MAKAROV, PETR VASIL'EVICH, 1905-

Petr Vasil'evich Makarov, on his 60th birthday. Aikh. anat., gist. i embr. 48 no. 4:121-127 Ap '65

## MAKSIMOVA, EKATERINA

An ordinary week for Maksimova and Vasil'ev.  
Vladimir Barsagian. Teatr. 26 no. 6:112-118 Je '65.

## MALARIA see subdivision under Donetsk (Rostov Province)

## MALARIA—PREVENTION see subdivision under Nikolayev Province

## MALAYSIA, FEDERATION OF—FOREIGN RELATIONS—GREAT BRITAIN

Malaysia in the schemes of British Imperialists.  
I. Khrenov. Mir, ekon. i mezhdunar. otn. no. 7:102-103 '65.

## MALE GENERATIVE ORGANS see Generative organs, Male

## MALE—AERONAUTICS, COMMERCIAL

The Republic of Mali finds its wings! N. Kosharov. Grazhd. av. 19 no. 8:16 Je '62.

## MALIC ACID

Effect of malic and glyoxylic acids on the incorporation of acetate-<sup>14</sup>C in the lipids of the rabbit liver. V. A. Kokmin. Ukr. biokhim. zhur. 36 no. 5:767-771 '64.

## MALINOVSKII, ROMAN V., d. 1918

"The Malinovsky case." B. K. Erenfeld. Vop. ist. 40 no. 7:106-116 Ji '65.

## MALLOW AS FEED

Brief results of the introduction of feed types of mallow in the U. S. S. R. P. F. Medvedev. Rast. res. 1 no. 1:100-116 '65.

## MALT

Bukovskii, P. I. [Cellulolytic enzymes of barley and malt] Tsititolicheskie fermenty iachmenia i soloda. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 21 p. (Tekhnicheskaya informatsiya)

[MICROFILM]

## MALYSHKA, ANDRII, 1912-

Respublikans'ka naukova esea "Tudians'ka poezia i tvorchat' Andriia Malys'ha." Lvov, 1962. [Theses of sectional reports; on the occasion of the poet's 50th birthday, October 5-7, 1962] Tozy sektsiyni dokovyd, z nakhody 50-rihchya poeta, 5-7 zhovtnia 1962 r. [Lviv] Vyd-vo L'vivs'koho univ., 1962. 32 p. (MH)

## MAMIKONANTS, LEV GRAZDA NOVICH, 1915-

L. G. Mamikonants; on his 50th birthday and the 30th anniversary of his scientific and practical work. V. V. Burdakov and others. Elektricheskoye no. 5-60 My '65.

## MAMILOV, SULAMBEK

Sulambek Mamilov, G. Shchedrodarova. Teatr. 26 no. 1:102-103 Ja '65

## MAMMALS

Kolosov, A. M., N. P. Lavrov, and S. P. Naumov. [Biology of commercial animals of the U. S. S. R.] Biologiya promyslovyykh zverei SSSR. [Porer. i znachitel'no dopol. izd.] Moskva, Vysshaya shkola, 1965. 808 p.

## MAMMALIS, FOSSIL see subdivision under Chulym Valley (Krasnoyarsk Territory)

## MAMMARY GLANDS

Changes in the cells of the mammary gland in rats during pregnancy, lactation and hormonal stimulation. I. A. Suetina. Arkh. anat., gist. i embr. 48 no. 4:74-79 Ap '65.

## MAMMARY GLANDS—BIOPSY

Methodology for biopsy of the mammary gland in goats. G. B. Tverskoi. Fiziol. zhur. 51 no. 6:631-633 My '65.

## MAMONTIV, IAKIV, 1888-1940

Work of a playwright; on the 25th anniversary of the death of Iakiv Mamontiv. Iurii Barabash. Teatr. 26 no. 4:50-54 Ap '65.

## MAN—ORIGIN

Once more on I. I. Semenov's book. V. M. Bakhta, D. V. Gur'ev, I. F. Kuznetsov. Vop. filoz. 19 no. 6:175-180 '65.

Review of letters on I. I. Semenov's book. Vop. filoz. 19 no. 6:180-183 '65.

Some problems of the development of human society. I. I. Semenov. Vop. filoz. 19 no. 6:170-175 '65.

## MAN, PREHISTORIC see subdivision under Petralona, Greece

## MANGANESE

Role of manganese in the oxygen-blown converter process. V. I. Zhibulin, P. S. Rubinskii. Stal' 25 no. 5:15 My '65.

## MANGANESE—ANALYSIS

Polarographic determination of manganese in plant ash. V. P. Solov'ev, N. I. Zakharova. Fiziol. rast. 12 no. 2:357-360 Mr-Apr '65.

## MANGANESE FERRATES

Relation between dissociation pressure and the parameter of a crystal lattice of multicomponent ferrites based on manganese ferrite. I. U. D. Tretyakov and others. Izv. AN SSSR. Neorg. mat. 1 no. 3:408-412 Mr '65.

Thermodynamic evaluation of the oxidation-reduction equilibrium in manganese ferrite. I. U. D. Tretyakov. Izv. AN SSSR. Neorg. mat. 1 no. 3:405-407 Mr '65.

## MANGANESE SILICIDES—THERMODYNAMICS

Thermodynamic characteristics of manganese silicides. S. M. Lelun, P. V. Gel'd, N. N. Serbennikov. Zhur. neorg. khim. 10 no. 5:1263-1261 My '65.

## MANGANESE STEEL—WELDING

Weldable 15GL medium manganese cast steel. V. I. Klementov, N. N. In'shakov. Avtom. svar. 18 no. 4:47-49 Ap '65.

Welding up pouring defects on G13L steel castings. P. F. Parnasiuk. Svar. prolz. no. 4:32-33 Ap '65.

## MAN'KOVSKII, GRIGORI IL'ICH, 1896-1965

Grigorii Il'ich Man'kovskii; an obituary. Shakht. stroi. 8 no. 5:18 My '65.

## MANNED SPACE FLIGHT

A human star. G. Pokrovskii. Kiy. rod. 16 no. 5:17-10 My '65.

## MANNITOL

Reaction of copper salts with mannitol. G. B. Fridman, T. L. Nuterman. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 8 no. 1:162-163 '65.

## MANSUROVA, TSETSLIYA L'VOVNA

Mansurova on the stage. G. Zorina. Teatr. 26 no. 5:132-133 My '65

## MANUKOVSKAYA, RIMMA AFANAS'EVNA

Rimma Manukovskaya. N. Dantlov. Teatr. 26 no. 1:57-60 Ja '65.

## MANUSCRIPTS, CHINESE

Akademiya nauk SSSR. Institut narodov Azii. [The plen-wen about Wei-mo-ki. The plen-wen "Ten good omens," Unknown plen-wen manuscripts of the Tun Huang Collection in the Institute of Asian Peoples] Bian'von' o Veimoteze. Bian'von' "Desiat' blagikh znamenii." Naizvestnye rukopisi bian'von' iz Dun'khuanskogo fonda Instituta narodov Azii. Izd. teksta, predisl., perovod i kommentarii L. N. Men'shukova. Moskva, Izd-vo vostochnoi lit-ry, 1963. 194, 34 p. (Pamiatniki literatury narodov Vostoka. Teksty. Malaya seriya, no. 8) [In Russian and Chinese]  
In search of rare manuscripts and xylographs. B. L. Rittin. Nar. Az. i Afr. no. 3:243-247 '65.

## MANUSCRIPTS, PERSIAN

The unique manuscript of the Persian explanatory dictionary "Farhang Zafanguya va Jahanpuya." S. I. Buevskii. Nar. Az. i Afr. no. 3:118-121 '65.

## MANUSCRIPTS, TURKIC see subdivision under Polip

## MARBLE see subdivision under Crimean Mountains; Ukraine

## MARCEAU, MARCEL

New program of Marcel Marceau. M. Rozovskii. Teatr. 26 no. 6:100-102 Je '65

## MARI A. S. S. R.—GRAIN—DISEASES AND PESTS

Cicada on grain. N. Vederikov. Zashch. rast. ot vrzd. i bol. 10 no. 5:58 '65.

## MARINE BIOLOGY

(see also subdivision under Barents Sea)

Bioluminescence as a hydrooptic and biological factor in a sea. I. I. Gmel'zon and others. Trudy MOIP. Old. biol. 21:147-155 '65.

## MARINE BOILERS see Boilers, Marine

## MARINE DIESEL ENGINES

Calculation of the heat balance of the engine while in operation. P. Akimov. Mor. flot. 25 no. 4:27 Ap '65.

Effect of some factors on the wear of basic parts of internal combustion engines on fishing ships. F. M. Klemushin. Mat. rybokhoz. issl. Sev. bas. no. 4:118-122 '64

Installing the crankshaft of the 16D diesel in the bearings of the machinery bedplate without scraping the bushings. V. Pautov. Rech. transp. 23 no. 12:26-27 D '64.

Protection of engines powering a variable-pitch propeller from torque-induced overload. A. I. Belov, N. E. Zhadobin. Sudostroenie 30 no. 12:21-23 D '64.

## MARINE DIESEL ENGINES—FUEL SYSTEMS

Performance of a marine diesel engine with a variable-regime fuel-flow regulator. V. Gavrilov. Mor. flot. 25 no. 4:25-26 Ap '65

## MARINE DIESEL ENGINES—LUBRICATION

Dates of changing the circulation oil in marine diesels. Mor. sbor. 48 no. 6:76-77 Je '65

## MARINE ENGINEERING

Grigor'ev, L. Ia. [Ship vessels operating under pressure, determination of stresses and deformations] Sudovye sosudy, rabotayushchie pod davleniem; opredelenie napriazhenii i deformatsii. Leningrad, Sudostroenie, 1965. 194 p.

## MARINE ENGINES

Akimov, P. P. [Power plants of seagoing vessels] Silovye ustanovki morskikh sudov. Izd. 2., perer. Moskva, Transport, 1965. 290 p.

## MARINE FAUNA see subdivision under Black Sea

## MARINE GAS TURBINES

Free-piston gas generator with an adjustable outlet and inlet for gas turbine plants. V. I. Val'kov. Sudostroenie 30 no. 12:26-28 D '64

## MARINE GAS TURBINES—MATHEMATICAL MODELS

Mathematical model study of a gas turbine engine using a real fuel system. I. Yu. Lur'e. Sudostroenie 30 no. 12:24-26 D '64.

## MARINE NUCLEAR REACTOR PLANTS

A new topic in the academic literature. V. Mizghev. Mor. flot. 25 no. 4:46 Ap '65.

## MARINE NUCLEAR REACTOR PLANTS—SAFETY MEASURES

On the book "Biological protection measures for marine reactors." A. P. Barash. Sudostroenie 30 no. 12:68-69 D '64.

## MARINE PIPE FITTING

Improving the methods for the design and fabrication of marine piping. Sudostroenie 30 no. 12:71-72 D '65

## MARINE PUMPS

Papir, A. N. [Axial-flow pumps for water-jet propellers, principles of their theory and design] Osevoye nasosy vodometnykh dvizhitelei, osnovy teorii i rascheta. Leningrad, Sudostroenie, 1965. 250 p.  
Water-sampling equipment. I. V. Dunaev, N. N. Ignat'ov. Mor. sbor. 48 no. 6:92 Je '65.

## MARINE REFRIGERATION

Transferring marine refrigerating machinery from freon-12 to other brands of refrigerants. V. Seliverstov, V. Mitkin. Rech. transp. 23 no. 12:27-28 D '64.

## MARINE SEDIMENTS see subdivision under Atlantic Ocean; Baltic Sea; Bering Sea; Greenland Sea; Norwegian Sea

## MARINE TURBINES

Performance of a two-row velocity stage during operation on wet steam. I. U. S. Molchanov. Sudostroenie 30 no. 12:17-19 D '64.

Selecting the parameters of a supersonic single-row turbine stage with a low inlet rate. A. G. Kurzon, V. D. Levenberg. Sudostroenie 30 no. 12:19-21 D '64.

Verete, A. G. [Marine steam and gas turbines] Sudovye parovye i gazovye turbiny. Izd. 2., ispr. i dop. Moskva, Transport, 1965. 359 p. diagrs. (insert)

## MARITIME LAW

Aggravation of controversies in the merchant marine of imperialistic countries. S. Lebedev. Mor. flot. 25 no. 4:44 Ap '65.

International law system of navigation safety. I. E. Tarkhanov. Mor. sbor. 48 no. 6:24-30 Je '65.

## MARITIME METEOROLOGY see Meteorology, Maritime

## MARITIME TERRITORY—AERONAUTICS, COMMERCIAL For great cooperation. V. Sidorov. Grazhd. av. 19 no. 6:8 Mr '62

## MARITIME TERRITORY—ARAUCARIACEAE, FOSSIL

Araucariaceae from the Lower Cretaceous of the Maritime Territory. V. A. Krasilov. Paleont. zhur. no. 2:109-117 '65.



## MATHEMATICAL PHYSICS

Ochan, I. S. [Methods in mathematical physics] *Metody matematicheskoi fiziki*. Moskva, Vysshaya shkola, 1965, 383 p.

MATHEMATICAL SOCIETIES see subdivision under Leningrad; Moscow

## MATHEMATICAL STATISTICS

Abstracts of papers delivered at the meetings of the Section of Probability Theory and Mathematical Statistics of the Moscow Mathematical Society. *Teor. veroiat. i ee prim.* 10 no. 2:390-406 '65

Analysis of experimental data satisfying type  $x^m dx$  distributions. N. N. Rolinskii, K. V. Manditskaya. *IAD, fiz.* 1 no. 6:1028-1031 Je '65.

Asymptotic distribution of statistics related to the estimation of the spectrum of a stationary process. T. L. Matveich. *Teor. veroiat. i mat. stat.* no. 1:77-99 '64

Distinction between the Poisson and Polya distributions based on large numbers of small samples. I. N. Volodin. *Teor. veroiat. i ee prim.* 10 no. 2:361-367 '65.

Mathematical evaluation of the prognosis in patients with myocardial infarct. F. Sh. Khalifov, K. S. Iatsenko, A. Kh. Khamitov. *Sov. med.* 28 no. 1:151-154 Ap '65

Planning the optimal size of construction and assembly organizations. V. Levin. *Plan. khoz.* 12 no. 6:65-87 Ja '65.

Problems in the theory of probability and mathematical statistics, general assembly of the Department of Mathematics. A. N. Kolmogorov. *Vest. AN SSSR* 36 no. 5:94-96 '65.

Some exact formulae in the problem on "disharmony". A. N. Shil'nev. *Teor. veroiat. i ee prim.* 10 no. 2:380-385 '65

Unbiased estimates for certain classes of distribution. R. Kh. Diveev. *Teor. veroiat. i mat. stat.* no. 1:68-76 '64.

Use of the method of mathematical statistics for evaluating the durability of machine parts and their wear. V. I. Kazariyev. *Zap. Len. sel'khoz. inst.* 65:3-17 '61.

## MATHEMATICS

Defense of dissertations on mathematics. N. I. Moskovina. *Usp. mat. nauk* 20 no. 3:250-259 My-Je '65.

## MATHEMATICS—CONGRESSES

All-Union Conference on Computer Mathematics. N. S. Bakhtalov, A. N. Tikhonov. *Usp. mat. nauk* 20 no. 3:251-255 My-Je '65.

## MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Moscow. Gosudarstvennyi nauchnyi pedagogicheskii institut. [Test problems in the mathematical sciences; for correspondent students who have graduated from a teachers' institute] *Shornik kontrol'nykh rabot po matematicheskim disciplinam; dlia studentov-zachnikov, okonchivshikh uchitel'skii institut*. Moskva, Uchpedgiz, 1966, 2 v.

## MATHEMATICS—STUDY AND TEACHING

Creating programmed aids for higher mathematics. L. M. Nakhimov. *Sred. spets. obr.* 12 no. 3:9-11, 17 Mr '65.

Linear programming in a mathematics course. I. N. Zapolov, A. M. Gurevich. *Sred. spets. obr.* 12 no. 3:1-3 Mr '65.

Mathematical compositions. V. A. Kamorin. *Sred. spets. obr.* 12 no. 3:23-24 Mr '65

Method of contrasts in the teaching of mathematics. P. M. Dridiev. *Sred. spets. obr.* 12 no. 3:3-7 Mr '65.

## MATRICES

Algorithm for calculating the spectral radius of an arbitrary matrix. I. I. Lyubich. *Ukr. mat. zhur.* 17 no. 3:126-135 '65.

Fundamental solutions to systems invariant with respect to rotations. G. N. Gestrin. *Ukr. mat. zhur.* 17 no. 3:32-42 '65.

Nuclear nature of integral operators and the existence of an S-matrix in the problem of scalar scattering on an infinite boundary and local potential. A. G. Ramm. *Ukr. mat. zhur.* 17 no. 3:84-90 '65.

Reduction of a quadratic matrix to the quasi-diagonal form and its decomposition into components. K. A. Abgarian. *Izv. AN Arm. SSR Ser. fiz.-mat. nauk* 18 no. 2:3-14 '65.

Use of the parameter variation method in calculating an adjoint matrix and its determinant. D. F. Davidenko. *Ukr. mat. zhur.* 17 no. 3:59-66 '65.

MATRESSES see subdivision under Latvia

## MAUDLING, REGINALD, 1917-

People and events: Otto Winzer; Reginald Maudling. *Nov. vrem.* 23 no. 27:27 Ji '65.

## MAXIMA AND MINIMA

Maximum protection of equipment from shock. V. V. Guratskii. *Izv. AN SSSR, Mekh.* no. 2:76-81 Mr-Apr '65.

Minimum of the maximum deviation of a controllable linear system. A. A. Pervozvanski. *Izv. AN SSSR, Mekh.* no. 2:51-57 Mr-Apr '65.

On the maximum in a Gaussian stationary process. M. G. Shur. *Teor. veroiat. i ee prim.* 10 no. 2:386-389 '65.

## MAY DAY (LABOR HOLIDAY)

Day of International Solidarity. *Mor. sbor.* 47 no. 5:3-6 My '64.

Great holiday of the peoples. *Sov. iust.* 29 no. 9:1-2 My '65

## MAZUT

Characteristics of the performance of a blast furnace with the use of mazut. A. A. Miroshnichenko, I. A. Lepontsev, G. G. Pasheev. *Metallurg* 10 no. 5:8-10 My '65.

Using liquid fuel in blast furnaces of the Nizhny Tagil metallurgical combine. I. S. Borisov and others. *Stal'* 25 no. 6:497-503 Je '65.

## MEASURE THEORY

Generalized measures in functional spaces. I. L. Dolitskii, S. V. Fomin. *Teor. veroiat. i ee prim.* 10 no. 2:329-343 '65

Perelavov, G. E. [Linear measure of plane continua] *O linein merie ploskikh kontinuumov*. [Omsk] 1962. 26 p. (Tyumen'. Gosudarstvennyi pedagogicheskii institut. Kafedra matematiki. Uchenye zapiski, vol. 13, no. 3)

Supplementary representations of algebras with measures. V. G. Vinokurov. *Teor. veroiat. i mat. stat.* no. 1:126-129 '64

## MEASURING INSTRUMENTS

Evaluating the state of measuring equipment now in use. L. Sh. Vinderman. *Izv. tekhn.* no. 2:58-60 F '65.

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. *Izv. tekhn.* no. 2:61-64 F '65.

Platin, I. M. [Design of the electrical components of measuring instruments] *Raschet elektricheskikh elementov izmeritel'nykh priborov, spravochnoe posobie*. Moskva, Mashinostroenie, 1965, 198 p.

Selecting the phase-regulating unit of an electric admittance-type grain moisture meter. E. S. Krichkevskii. *Zap. Len. sel'khoz. inst.* 65:325-331 '61.

Solov'ev, A. I. [Theory of simple computing and measuring mechanisms] *Teoriia prosteshtikh schetno-reschushchikh i izmeritel'nykh mekhanizmov*. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964, 61 p.

## MEAT—ANALYSIS

Chemical composition of the meat of animals fed carbamide and ammonium salts. G. I. Kvetskii, I. K. Slesarev. *Khim. v sel', khoz.* 3 no. 5:61-63 My '65.

## MEAT—PRESERVATION

Concentrate the main attention on the refrigeration technology. M. V. Zhikharev. *Khol. tekhn.* 42 no. 1:61-62 Ja-F '65.

MEAT INDUSTRY—FINANCE see subdivision under Azerbaijan

## MEAT INSPECTION

Additional method of examining meat for Trichinella. V. A. Britov. *Veterinarika* 41 no. 4:108-109 Ap '65.

Sanitary control regulations for the meat of game animals and birds. V. I. Riakhovskii. *Veterinarika* 41 no. 4:103-106 Ap '65.

## MECHANICAL ENGINEERING

Kostluk, D. I., O. I. Goldava, and I. V. Iakovlev. [Manual for the preparation of a course project in the theory of mechanisms and machines] *Rukovodstvo k kursovomu projektu po teorii mekhanizmov i mashin*. Izd. 2, 1 dop. Pod red. D. I. Kostluka, Khar'kov, Izd-vo Khar'kovskogo univ., 1961, 265 p.

## MECHANICAL ENGINEERING—STUDY AND TEACHING

Pastash, S. A. [Preparation of a course project on the theory of mechanisms and machines; aid for correspondence and evening students working on course projects on the theory of mechanisms and machines] *Kursovoe proektirovanie po teorii mekhanizmov i mashin; v pomoshch' studentam-zachnikam i vechernikam, vypolniaiushchim kursovye proekty po TMM*. Gorznyi, Gornenskii neftianii in-t, 1964, 187 p. (insert) "Technology of mechanical engineering" by A. P. Tikhonov, M. A. Zaslavskii. Reviewed by I. A. E. Urinson. *Sred. spets. obr.* 12 no. 2:47-48 F '65

## MECHANICAL MOVEMENTS

Investigating the movement of a nonlinear mechanical system with two degrees of freedom. M. G. Gontar'. *Prikl. mekh.* 1 no. 4:123-126 '65.

## MECHANICAL WEAR

Preis, G. A. [Increasing the wear resistance of the parts of the equipment of the food industry enterprises] *Povyshenie iznosostoičnosti detalей oborudovaniia predpriatii pishchevoi promyshlennosti*. Moskva, Mashgiz, 1963, 292 p.

## MECHANICAL WEAR—TESTING

Testing the acclimation counter designed by the Central Scientific Research and Design Institute for Fuel Systems of Motortruck, Tractor, and Stationary Engines for studying the wearing out of engine parts using radiotelescopes. V. V. Dolbin. *Zap. Len. sel'khoz. inst.* 65:74-81 '61.

## MECHANICS

One case of the genesis of periodic motions. I. I. Neimark, L. P. Shil'nikov. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:330-340 '65

Pressure of a solid body on plates and membranes. G. P. Cherepanov. *Prikl. mat. i mekh.* 20 no. 2:282-290 Mr-Apr '65

Problem of the determination of the position of a nonlinear system in a phase space. I. A. Balaeva. *Prikl. mat. i mekh.* 20 no. 2:364-367 Mr-Apr '65

Synchronization in a system of essentially nonlinear objects with a single degree of freedom. R. F. Nagayev. *Prikl. mat. i mekh.* 20 no. 2:209-217 Mr-Apr '65.

Theory of the extraction of matter from a falling droplet. V. P. Voinov, V. S. Kiylov, V. G. Levich. *Prikl. mat. i mekh.* 20 no. 2:343-350 Mr-Apr '65

## MECHANICS—STUDY AND TEACHING

Let's not lower the general education level of engineers (on the results of the 1st plenum of the Scientific and Methodological Council on Theoretical Mechanics). S. M. Targ. *Vest. vys. shkoly* 23 no. 6:47-49 Je '65.

## MECHANICS, ANALYTIC

Babakov, I. M. [Theory of vibrations] *Teoriia kolebaniy*. Izd. 2, perer. Moskva, Nauka, 1965, 559 p.

Motion of a disc with two pendulum suspensions. L. I. Machabell. *Izv. AN SSSR Mekh.* no. 2:64-68 Mr-Apr '65.

## MECHANICS, CELESTIAL

Present stage and some current problems in stellar dynamics. G. G. Kuzmin. *Trudy Astrofiz. inst. AN Kazakh SSR* 5:11-22 '65.

Some problems affecting an axiomatic construction of the dynamics of stellar systems. F. A. Tsitain. *Trudy Astrofiz. inst. AN Kazakh SSR* 5:211-218 '65.

The vertex deviation in the general dynamic problem. I. L. Genkin. *Trudy Astrofiz. inst. AN Kazakh SSR* 5:23-29 '65.

## MECHANISMS

Kinematic analysis of a strip mechanism. M. B. Edilov, I. U. L. Saikhanov. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk*, 18 no. 1:103-118 '65.

Nonlinear theory of the precision of mechanisms with lower kinematic pairs. P. 2. N. G. Bruevich, V. I. Sergeev. *Mashinovedenie* no. 3:3-11 '65

Synthesis of a four-bar linkage with constrained velocity and acceleration of the driven link. E. A. Akopian. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 2:117-127 '65.

Synthesis of mechanisms with a given degree of irregularity of the motion of the follower. F. A. Akopian. *Mashinovedenie* no. 3:31-37 '65

Tape transport mechanism with high stability of the instantaneous carrier speed. A. V. Mikhnevich. *Tekhn. kino i telev.* 9 no. 4:40-46 Ap '65.

Using bearing bushings with a thin layer of polyamide coatings in rolling mill mechanisms. I. A. Toder and others. *Plast. massy* no. 3:64-65 '65.

## MEDIASTINUM—CANCER

Case of multiple hemangioperithelioma of the mediastinum and the bones of the lower extremities. L. B. Zhmud', V. S. Zolotareva. *Vest. rent. i rad.* 40 no. 1:67-69 Ja-F '65.

## MEDIASTINUM—DISEASES

Significance of simultaneous tomography in differential diagnosis of the shadow of the thymus gland and of pathological processes in the mediastinum. E. B. Brumov. *Vest. rent. i rad.* 40 no. 1:7-12 Ja-F '65.

## MEDIASTINUM—TUMORS

X-ray diagnosis of broncho- and enterogenic mediastinal cysts. I. D. Kuznetsov. *Vest. rent. i rad.* 39 no. 5:37-43 N-D '64

MEDICAL AND PHARMACEUTICAL CHEMISTRY see Chemistry, Medical and pharmaceutical

MEDICAL COLLEGES see subdivision under Ukraine

## MEDICAL ELECTRONICS

Radio electronics in the health service. I. A. Kulnischev. *Radio* no. 3:10-11 Mr '65

## MEDICAL ELECTRONICS—CONGRESSES

3rd All-Union Conference on Medical Electronics. I. B. Mondol'tava. *Med. rad.* 10 no. 5:91-92 My '65.

## MEDICAL GEOGRAPHY

(see also subdivision under Azerbaijan)

Problems in epidemiological geography. Report No. 4: Zonal, regional and residual nosological areas. I. I. Elkin, V. K. Iashkul'. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:73-80 F '65.

Problems of epidemiological geography. Report No. 3: Global nosological areas. I. I. Elkin, V. K. Iashkul'. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:91-97 Ja '65.

## MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] *Ref. zhur.: Med. geog.* no. 6 Ja '65.





**MENTAL ILLNESS (Continued)**

Study of biochemistry and pathophysiology of the allergic component in the pathogenesis of schizophrenia and infectious psychoses. V. S. Shaposhnikov Zhur. nevro. i psikh. 64 no. 11 1712-1716 '64

**MENTAL ILLNESS—BIBLIOGRAPHY** see Bibliography—Mental illness**MENTALLY HANDICAPPED CHILDREN—EDUCATION**

Compiling the pedagogical characteristics. V. I. Butsan. Nauch. shkola 33 no. 1, 81-83 Ap '65.

**MENTESHASHVILI, IRAKHLI TIMOFEEVICH, 1905-**

Irakhl' Timofeevich Menteshashvili; on his 60th birthday Zhur. nevro. i psikh. 65 no. 6 951 '65.

**MERCAPTANS** see Thiols**MERCAPTO GROUP**

Effect of thyroid hormones on sulphydryl groups and the enzymatic activity of oxidase of D-amino acids. R. I. Khyl'cheva. Uki. biokhim. zhur. 37 no. 2 207-217 '65

Modified amperometric assay of sulphydryl compounds. Kh. I. Shol'ts. Biokhimia 29 no. 4 577-582 Ji-Ag '64.

Variation of the sulphydryl group content in plants under the effect of salinization. N. I. Shevinkova, A. P. Loshadkina. Fiziol. rast. 12 no. 2 332-330 Mr-Ap '65.

**MERCHANT MARINE**

(see also subdivision under Great Britain; Soviet Far East, United States)

Attention and care should come first. V. Shuvalov. Mor. flot 25 no. 4 45 Ap '65

During difficult passages. S. Pavlov. Mor. flot 25 no. 4 4-6 Ap '65

For a Leninist working style. Mor. flot 25 no. 4 1-2 Ap '65

Named after the great Lenin. A. Temichev. Mor. flot 25 no. 1 17 Ap '65.

Problems requiring immediate solutions. Mor. flot 25 no. 4 14 Ap '65.

World tonnage of chartered dry cargo ships in 1964. S. Feidbaum. Mor. flot 25 no. 4 43-44 Ap '65.

**MERCHANT MARINE—EXHIBITIONS**

Marine transportation at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1965. V. Lotunov, A. Gordeev. Mor. flot 25 no. 4 35-38 Ap '65.

**MERCHANT SEAMEN—MEDICAL CARE**

Medical service for seamen at sea. A. Motusov. Mor. flot 25 no. 4 39-40 Ap '65.

**MERCHANT SHIPS—PASSENGER ACCOMMODATION**

Determining the thermal characteristics of the living quarters of ships. V. V. Loskutov, N. N. Kasaalinen, V. A. Kanchurov. Sudostroenie 30 no. 12 11-12 D '64.

**MERCURATION**

3, 6-Dioxocyclohexanes and -cyclohexenes. Part 22: Stereochemistry of oxymercuration of dimethyl ester of 1-methoxy-3, 6-dioxotetrahydrophthalic acid. N. S. Zeffrov, L. P. Prikravchikova, I. U. K. Iur'ev. Zhur. ob. khim. 35 no. 5 822-827 My '65.

**MERCURY**

Reaction of compounds of the sixth group of elements with mercury. Part 1: Molybdenum. T. G. Pikhval'tova, E. F. Spetsnauka. Izv. vya. ucheb. zav. i khim. i khim. tekhn. 8 no. 1 11-16 '65.

Stimulate effects of the process of mercury action on brass. N. N. Tkachenko. Fiz.-khim. mekh. mat. 1 no. 2 142-143 '65.

**MERCURY ACETATES**

Acyl peroxides. Part 8: Reactions of phenyl radicals with mercury (II) acetate. I. U. A. Ol'dekop, N. A. Maier, V. N. Pehol'dchyn. Zhur. ob. khim. 35 no. 5 904-907 My '65.

**MERCURY CHLORIDES—TOXICOLOGY**

Effectiveness of unithiol treatment in acute poisoning by mercury chlorides. V. S. Tindintsk, O. G. Strakhova, I. U. N. P'reobrazhenskina. Trudy Inst. im. N. V. Sklif. 5 no. 2 197-200 '62.

**MERCURY ELECTRODES** see Electrodes, Mercury**MERCURY-INDIUM ALLOYS**

Electrocapillary curves of indium amalgams. N. S. Polinnovskaya, A. N. Frumkin. Elektrokhimia 1 no. 5 511-515 My '65.

**MERCURY ORGANIC COMPOUNDS**

Complex compounds of alkylmercury ions. V. F. Toropova, M. K. Saikina. Zhur. neorg. khim. 10 no. 5 1160-1171 My '65.

**MERCURY SALTS**

Composition and certain properties of mercury selenite. I. U. P. Sapozhnikov, L. A. Markovskii. Zhur. neorg. khim. 10 no. 5 1399-1401 Je '65.

**MERCURY SELENIDE**

Temperature dependence of the effective electron mass and some data on their scattering in mercury selenide. S. A. Aliev, L. L. Korenblit, S. S. Shalyt. Fiz. tver. tela 7 no. 6 1673-1679 Je '65.

**MERCURY SULFIDES**

Absorption of sulfide ions at the mercury-solution interface. B. A. Kiselev, S. I. Zhdanov. Elektrokhimia 1 no. 2 158-163 F '65.

**MERCURY TELLURIDE CRYSTALS—GROWTH**

Some properties of HgTe single crystals grown from solutions. D. Cruceanu and others. Fiz. tver. tela 7 no. 6 1808-1812 Je '65.

**MERMORPHIC FUNCTIONS** see Functions, Meromorphy**MESENTERY—BLOOD SUPPLY**

Results of surgical treatment of thromboembolism of mesenteric and main vessels in elderly persons. V. M. Glubokovskina. Trudy Inst. im. N. V. Sklif. 9 116-150 '63

**MESHCHERA—PEAT BOGS**

Thawing the flooded peat bogs. A. I. Golovanov. Pochvovedenie no. 3 84-88 Mr '65.

**MESHCHERA—THAWING**

Thawing the flooded peat bogs. A. I. Golovanov. Pochvovedenie no. 3 84-88 Mr '65.

**MESONS**

Absorption of gamma quanta and stopped  $\pi^-$ -mesons by nuclei with emission of two nucleons, and the structure of light nuclei. T. I. Kopaleishvili. IAD, fiz. 1 no. 6: 991-970 Je '65.

Electric generation of strange particles at high energies. M. P. Rekalov. Ukr. fiz. zhur. 10 no. 3 245-259 Mr '65.

Photon emission due to the production of muon pairs in electron-positron collisions. V. M. Bator, V. A. Khoze. Zhur. eksp. i teor. fiz. 48 no. 3 945-951 Mr '65.

Polarizing properties of muons in "elastic" neutrino processes ( $\bar{\nu}_\mu + p \rightarrow \mu^+ + n$ ,  $\nu_\mu + \bar{p} \rightarrow \mu^- + \bar{n}$ ). G. V. Shishkin. Dokl. AN BSSR 9 no. 3 160-163 Mr '65

Reaction with two-meson production, and unitary symmetry. V. P. Belov. IAD, fiz. 1 no. 6 1137-1138 Je '65.

**MESONS—DECA Y**

Energy spectra and angular correlations of particles in  $K_S^0 \rightarrow \pi^+ \pi^- + e^+ \gamma$  decays. D. M. Kotliarevskii and others. IAD, fiz. 1 no. 6 1035-1044 Je '65.

$K_L \rightarrow \pi \pi$  decay and the possible nonconservation of CP-parity. M. V. Terent'ev. Usp. fiz. nauk 86 no. 2 231-262 Je '65

Note on CP-odd interactions with  $\Delta S = 1$ . L. B. Okun'. IAD, fiz. 1 no. 6 1132-1133 Je '65.

Unitary symmetry and  $K_L \rightarrow \pi \pi$  decay. V. I. Zakharov. IAD, fiz. 1 no. 6 1053-1055 Je '65.

**MESONS—SCATTERING**

Elastic scattering of 5.5 Bev.  $\pi^-$ -mesons on protons. S. A. Azimov, E. I. Prozorova, A. A. Iul'dashev. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 9 no. 2 92-93 '65.

KN-scattering at low energies. V. A. Lul'ka, A. A. Startsev. IAD, fiz. 1 no. 6 1093-1100 Je '65.

**MESTROVIC, IVAN, 1893-1902**

Little-known sculpture by Ivan Mestrovic. I. Topitsyn. Iskusstvo 28 no. 4 49 '65.

**METABOLISM**

Effect of esterase on the growth of a transplanted lymphosarcoma and on some aspects of metabolism. S. E. Manolov, V. I. Zhelezov. Vop. onk. 10 no. 12: 42-44 '64.

Relation between the luminescence of luminous bacteria and the metabolic activity. R. I. Chumakova. Trudy MOIP, Old. biol. 21 142-148 '65.

**METAL CLADDING**

Automatic deposition with a large diameter electrode. M. I. Razikov, N. V. Korelov. Avtom. svar. 18 no. 5: 35-37 My '65.

Deposition of a steel layer on grey cast iron. K. V. Bagrianskii and others. Avtom. svar. 18 no. 5: 25-28 My '65.

Deposition of copper alloys on steel surfaces. V. N. Timofeev, N. I. Lisnev. Avtom. svar. 18 no. 4 34-37 Ap '65.

Using AN-60 flux for mechanized deposition of chilled cast iron on steel parts. G. V. Ksendzyk. Avtom. svar. 18 no. 6 38-40 My '65.

**METAL CLEANING**

Sand covering of pattern blocks in a pseudo-fluidized bed and the cleaning of precision castings in alkali baths. N. G. Tankovskii. Lit. proizv. no. 2 45-48 F '65.

**METAL CRYSTALS—GROWTH**

Formation of whiskers on nickel cathode surfaces. V. F. Borbat, V. P. Krasnoslov. TSvet. met. 38 no. 5 41 My '65.

**METAL CUTTING**

Effect of the speed of cutting on the quality of the surface during the grinding of steel. N. V. Podoshkin. Uch. zap. Mord. gos. un. no. 15 pt. 2 71-80 '63

Examples of metal saving. V. S. Lomakin. Svar. i proizv. no. 5 35 My '65.

Scientific-technical seminar on machining with diamond tools. G. I. IAsinskii. Vost. mashinost. 45 no. 5 83-84 My '65.

Some problems of precision of multiple machining of parts on machine-tool units in instrument manufacture. V. A. Kruglov, L. V. Kruglova. Priborostroenie no. 5 10-21 My '65

**METAL CUTTING, ELECTRIC** see Electric metal cutting**METAL-CUTTING TOOLS**

Ceramic-metal cutting tools for machining nonmagnetic steel on lathes. S. P. Danilenko. Mashinostroenie no. 3 56-57 My-Je '65.

Electric slag hard facing of cutters. V. I. Svetlopolian'skii, M. I. Griazev. Avtom. svar. 18 no. 4 57-58 Ap '65.

Face cutter with mechanical fastening of circular non-resharpened hard-alloy plates. E. K. Sirota, V. P. Kiselev. Mashinostroenie no. 2 30-31 Mr-Ap '65

Hard-alloy boring tools for machining small-diameter holes. D. M. Valman. Priborostroenie no. 5 22 My '65.

Increasing the wear resistance of metal cutting tools. V. A. Lel'uk. Mashinostroenie no. 3 13-14 My-Je '65.

Investigating the effect of an increase in wear resistance of hard-alloy cutting blades. A. A. Avakov, I. U. S. Dubov, G. S. Nikolaeva. Izv. vya. ucheb. zav. i mashinost. no. 3 71-76 '65

**METAL-CUTTING TOOLS—MAINTENANCE AND REPAIR**

Specialization of the repair of metal-cutting equipment. D. I. A. Triger. Vost. mashinost. 45 no. 6 78-80 Je '65

**METAL DETECTORS**

Transducers for the continuous control of metal in rolling mill rolls. A. I. Romanenko, E. I. A. Babenko. Stal' 25 no. 5 445-446 My '65.

**METAL DRAWING** see Drawing (Metalwork)**METAL INDUSTRIES—COSTS** see subdivision under Magnitogorsk**METAL IONS**

Absorption of heavy metal ions by dolomite. Part 1. M. A. Sarkisyan, S. S. Apilan. Izv. AN Arm. SSR. Khim. nauki 17 no. 1 393-397 '64.

Effect of hydrodynamic factors on the regularities of a simultaneous deposition of main metal ions and impurity cations discharged at a limiting current. A. L. Rothman, I. A. Smolina, E. Sh. Ioffe. Zhur. prikl. khim. 38 no. 4 811-816 Ap '65.

Polarography of solutions containing elementary sulfur and bivalent iron present together. B. A. Kiselev, S. I. Zhdanov. Izv. AN BSSR. Ser. khim. no. 6 985-989 '65.

**METAL POWDER PRODUCTS**

Welding with a small diameter powder wire. M. G. Kashchuk. Svar. i proizv. no. 4 34-35 Ap '65.

**METAL POWDER PRODUCTS—THERMAL PROPERTIES**

Investigating parameters of the heating and melting of powder metal wire. D. K. Bezbakh. Avtom. svar. 18 no. 5 29-31 My '65.

**METAL REINFORCED PLASTICS**

Field for efficient use of antifriction high-molecular materials and the nature of phenomena accompanying their work. G. A. Gorokhovskii, G. E. Geletukha, V. G. Kravchenko. Fiz.-khim. mekh. mat. 1 no. 2 231-236 '65.

**METAL REINFORCED PLASTICS—TESTING**

Investigating antifriction properties of metal-reinforced polymer materials in gaseous media and in a vacuum. V. F. Afanas'ev, P. A. Severin. Fiz.-khim. mekh. mat. 1 no. 2 237-242 '65.

**METAL SPRAYING**

Determining the elasticity modulus of a metallization layer. G. A. Galibin. Zap. Len. sel'khoz. inst. 85: 42-46 '61.

Heating of parts during metallization. V. V. Kudinov. Svar. i proizv. no. 4 6-9 Ap '65.

Methods for comparative studies of the wear resistance of metallized coating using friction machines designed by the Leningrad Polytechnic Institute. V. M. Kriazhkov. Zap. Len. sel'khoz. inst. 85 30-35 '61.

Oxidation processes in the formation of metallized layers. M. N. Shchirzhetskii. Svar. i proizv. no. 5 17-18 My '65.

Plasma spraying. P. V. Gladkii, I. I. Frumin. Avtom. svar. 18 no. 3 23-27 Mr '65.

Selecting optimal electrical and aerodynamic parameters for the process of metallization using a high frequency current. R. A. Tur. Zap. Len. sel'khoz. inst. 85: 18-22 '61.

## METALLIC FILMS

Effect of the backing on the structure and properties of the PbTe films. I. S. Palatnik, V. K. Sorokin, M. V. Lebedeva. *Fiz. tver. tela* 7 no. 6 1699-1705 Je '65.

## METALLIC OXIDES

Initial processes on a disk electrode in oxide melts. V. V. Borogonov, O. A. Esin, M. P. Shurigin. *Elektrokhimika* 1 no. 5 592-598 My '65.

Composition of silver-zinc oxide, and silver-lead oxide obtained by an oxide annealing method. E. M. Murav'eva, I. D. Polotskaya. *Fiz. tver. tela* 36 no. 3-37-39 Mr '65.

Formation of passive oxide films during an electrochemical polishing of aluminum. N. P. Fedot'ev and others. *Zhur. prikl. khim.* 38 no. 4 834-839 Ap '65.

Mechanism of iron reduction from alkaline solutions. Part 2: Reduction of a hydrated ferric oxide film deposited on the cathode surface. L. I. Lianina, K. M. Gorbunova. *Elektrokhimika* 1 no. 5 546-550 My '65.

Process of inclusion of the  $[Ag(CNS)_2]^-$  anion labeled with an  $Ag^{110}$  isotope into a forming anodic oxide film on aluminum. A. F. Bogolavskii, N. K. Matfash. *Zhur. prikl. khim.* 38 no. 4 952-954 Ap '65.

## METALLIC SOAPS

Effect of the degree of saturation of a fatty acid radical on the structure of hydrated Ca-soap in plastic soap greases. V. V. Sinitsyn, I. L. Ischuk, B. N. Kartunin. *Koll. zhur.* 27 no. 2 261-268 Mr-Apr '65.

## METALLIC SOAPS—OPTICAL PROPERTIES

Optical anisotropy of calcium greases. I. U. F. Delnaga, V. V. Sinitsyn, G. V. Vinogradov. *Koll. zhur.* 27 no. 2 289 Mr-Apr '65.

## METALLOGRAPHY

Dependence of the structure of crystals in a weld on the technological parameters of welding conditions. V. S. Sidoruk. *Svar. proizv.* no. 5 11-13 My '65.

## METALLOGRAPHY—LABORATORY MANUALS

Riazanova, F. D., I. A. N. Fushstein, and R. N. Khudokorova. [Laboratory manual on metallography and the heat treatment of metals] *Laboratory praktikum po metallovedeni i termicheskoi obrabotke metallor.* Pod red. L. S. Liakhovicha. Minsk, Vysshaya shkola, 1965. 124 p.

## METALLURGICAL ANALYSIS—CONGRESSES

Industry, reports. *Khimicheskii kontrol' proizvodstva v metallurgicheskoi i metallobrabatyvalushchei promyshlennosti*, [doklady, Dnepropetrovsk. Dnepropetrovskoe knizhnoe izd-vo, 1960. 429 p.

## METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Blooming mill built ahead of schedule. A. Shatrov. *Na stroi Ros* 6 no. 4 18-19 Ap '65.

## METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Results of introducing progressive technology. M. Levin. *Ekonom. stroi.* no. 5 15-17 My '65.

Work of a specialized crew of filter and assemblers. A. L. Korbut-Smirnov. *Mont. i spets. rab. v stroi.* 25 no. 7 22-24 Ji '65.

## METALLURGICAL RESEARCH

Results of the Third All-Union Public Inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy. S. M. Rigmant. *Stal'* 25 no. 6: 573-574 Je '65.

## METALLURGY

Mais'kiy, M. L., A. F. Kosenko, and O. P. Slesar. [Technology of metals and building materials] *Tekhnologiya metallor i konstruktivnykh materialov*. Kiev, Derzhsil'-hospvydav URSR, 1962. 410 p.

The volunteer department for the introduction of efficiency suggestions is in operation. A. Luk'ianchenko, S. Vishnevetskiy. *Metallurg* 10 no. 6 39-40 Je '65.

## METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur. 'Met. no. 6 Je '65.

## METALLURGY—CONGRESSES

The 18th Scientific Technological Conference of Students of the Moscow Institute of Steel and Alloys. A. N. Krestovnikov, F. A. Gimel'farb. *Izv. vyz. ucheb. zav. i tsvet. met.* 8 no. 1:171-172 '65.

## METALLURGY—STUDY AND TEACHING

University of technical progress. M. Kamenskii, D. Oterin. *Metallurg* 10 no. 6 36-37 Je '65.

## METALS

(see also subdivision under Polesye)

Complex compounds formed by alkyl- and polyalkyl-chlorophosphines with aluminum chloride. Part 7: Reduction of complex compounds by metals and metal hydrides. V. G. Grudev, S. Z. Ivin, K. V. Karpavov. *Zhur. ob. khim.* 35 no. 6:1027-1029 Je '65.

Conference on the nature of metallic phases and the character of their chemical bonding. L. A. Petrova. *Izv. AN SSSR Neorg. mat.* 1 no. 3:447 Mr '65.

## METALS—ANALYSIS

Chemical-spectral determination of the traces of metals in chemical reagents. G. A. Pevtsov and others. *Trudy IREA* no. 25:303-310 '63.

## METALS—ELECTROMECHANICAL ANALOGIES

Using electrothermal and mechanical analogies to study the properties of metals and alloys. V. S. Smirnov, A. F. Chudnovskii. *Trudy LPI* no. 243:5-11 '65.

## METALS—FATIGUE

Evaluating the fatigue strength factor under random stresses. B. Z. Slobin. *Vest. mashinost.* 45 no. 5:3-5 My '65.

Present state of studying the nature of fatigue fracture of metals and alloys. M. G. Lozinskii, A. N. Romanov. *Vest. mashinost.* 15 no. 3:56-63 My '65.

## METALS—FINISHING

Burnishing holes in steel parts. V. D. Evdokimov and others. *Mashinostroenie* no. 3:41-42 My-Je '65.

## METALS—HEAT TREATMENT

Automatic machine for the heat treatment of disks. I. M. Kovalev. *Mashinostroenie* no. 2:26-27 Mr-Apr '65.

Omsk. Politehnicheskii institut. Kafedra "Mashiny i tekhnologiya liteinogo proizvodstva." [Foundry practice and heat treatment] *Liteinoe proizvodstvo i termicheskaya obrabotka*. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo. Omskoe otd-nie, 1964. 198 p.

Riazanova, F. D., I. A. N. Fushstein, and R. N. Khudokorova. [Laboratory manual on metallography and the heat treatment of metals] *Laboratory praktikum po metallovedeni i termicheskoi obrabotke metallor.* Pod red. L. S. Liakhovicha. Minsk, Vysshaya shkola, 1965. 124 p.

## METALS—HYDROGEN CONTENT

Segregation of hydrogen in welds. L. S. Sapiro, V. A. Maslov. *Avtom. svar.* 18 no. 5:17-18 My '65.

## METALS—METALLOGRAPHY

Interphase surface energy of metals at the boundary with dielectric fluids. S. N. Zadumkin, A. A. Karashev. *Fiz.-khim. mekh. mat.* 1 no. 2:139-141 '65.

## METALS—PERMEABILITY

Some phenomena during the control of welded joints for impermeability to liquids, review of publication. A. A. Trushchenko. *Avtom. svar.* 18 no. 3:31-34 Mr '65.

## METALS—TESTING

Bonding of metals in a high vacuum. N. L. Colego. *Avtom. svar.* 18 no. 3:18-20 Mr '65.

Nomograph of the stress resource. F. I. Alekhin. *Fiz.-khim. mekh. mat.* 1 no. 2:151-161 '65.

Reduction of the surface tension of solid metals caused by the adsorption on their surfaces of atoms of surface-active metal melts. L. S. Brilukhanova, I. A. Andreeva, V. I. Likhtman. *Fiz.-khim. mekh. mat.* 1 no. 2: 134-138 '65.

Varnello, V. V. [Measuring the hardness of metals] *Izmerenie tverdosli metallor*. Moskva, Izd-vo Standartov, 1965. 194 p.

## METALS—TOXICOLOGY

Effect of some inorganic poisons on respiration in *Mytilus galloprovincialis*. L. A. Z. Shapiro. *Trudy SBS* 17:334-341 '64.

## METALS—WELDING

Cold welding of dissimilar metals. K. K. Khrenov, P. I. Gurakii, V. I. Balakin. *Avtom. svar.* 18 no. 3:21-22 Mr '65.

Friction welding of dissimilar metals. L. A. Shternin. *Avtom. svar.* 18 no. 3:11-13 Mr '65.

Studies in the area of techniques of friction welding ferrous metals. V. I. Vili, E. S. Komarcheva. *Avtom. svar.* 18 no. 3:35-38 Mr '65.

## METALS, EFFECT OF TEMPERATURE ON

Effect of temperature on the susceptibility of alloys toward a transfer to the passive state. G. M. Floriano-vich. *Zashch. met.* 1 no. 2:156-160 Mr-Apr '65.

Mechanism of the recovery of strain-hardened iron under the effect of rapid heating. M. E. Blanter, N. E. Gar-buzova, A. G. Torgashova. *Metallor i term. obr. met.* no. 4:22-26 Ap '65.

Wear resistance of building-up materials at variable temperatures. N. A. Grinberg, I. V. Petrov, I. K. Koshelev. *Vest. mashinost.* 45 no. 6:33-37 Je '65.

## METALS, RARE AND MINOR

(see also subdivision under Africa; Ukraine)

Effect of preheating on the magnetic separation of rare metal containing minerals. V. I. Karmazin, V. L. Ego-rov, A. A. Bebeash. *TSvet. met.* 35 no. 5:14 My '65.

## METALS, RARE AND MINOR—METALLURGY

Chlorine metallurgy. B. G. Korshunov, S. L. Stefanuk. *Priroda* 54 no. 5:83-86 Je '65.

## METALS, SUBSTITUTES FOR

Highly efficient replacement for metal. L. A. Polakova. *Metallurg* 10 no. 5:37 My '65.

## METALS AT HIGH TEMPERATURES

Luzhnikov, L. P. [Malleable aluminum alloys for work at high temperatures] *Deformiruemyye aluminiumye splavy dlya raboty pri povyshennykh temperaturakh*. [Moskva] Metallurgiya, 1965. 209 p.

Theoretical way of evaluating the heat conductivity of porous alloys at high temperatures. V. S. Smirnov, A. F. Chudnovskii, M. A. Kaganov. *Trudy LPI* no. 244 12-18 '65.

## METALS AT LOW TEMPERATURES

Characteristics of the temperature dependence of magnetic metals with a small admixture of magnetic atoms. A. A. Abrikosov. *Zhur. eksp. i teor. fiz.* 41 no. 3:990-992 Mr '65.

Optical properties of lead at low temperatures. A. I. Golovashkin. *Zhur. eksp. i teor. fiz.* 48 no. 1:62-114 Zh '65.

## METALWORK

(see also subdivision under Kiev)

Improving engineering properties of low-magnetic steels. A. F. Kropachev. *Mashinostroenie* no. 3:45-49 My-Je '65.

## METALWORK—ACCOUNTING

Economics of metal shaping methods in manufacturing machine parts. P. N. Bidalia. *Izv. vuzov, mekh. i mashinost.* no. 3:12-18 '65.

## METALWORK—LUBRICATION

Inhibitor and lubrication used in cold working of metals. V. P. Baranuk, N. K. Zagorudko, I. N. Polubicko. *Mashinostroenie* no. 2:70-71 Mr-Apr '65.

## METALWORKING LUBRICANTS

Heat-insulating effect of lubricants in forging. V. P. Severdenko, A. P. Tomilo. *Dokl. AN SSSR* 8 no. 3 187-190 Mr '65.

Lubrication for rolling tubes on a continuous mill. A. Z. Grebenshchikova and others. *Stal'* 25 no. 6:549-550 Je '65.

Mechanism for introducing dry lubrication into the process before entering the rolling mill. M. A. Babin, A. A. Skli and others. *Metallurg* 10 no. 6:20-30 Je '65.

## METALWORKING MACHINERY

Introducing a mill for deep burnishing of surfaces. Z. I. Ustapov, N. D. Kanukov, O. A. Luchkin. *Met. i tekhn. ekon. inform. Gos. nauch.-issl. inst. stroit. i tekhn. inform.* 18 no. 4:17-18 Ap '65.

## METAMORPHISM (GEOLOGY)

(see also subdivision under Altai Mountains; Salair Range; Sayan Mountains)

Metamorphic coefficient "C". O. A. Chernikov. *Izv. i pol. iskop.* no. 2:101-104 Mr-Apr '65.

## METASOMATITE see subdivision under Altai Mountains

## METASTASIS

Case of an atypical course of metastases in hypernephroma. I. N. Altanova, O. A. Uvarova. *Vest. rent. i rad.* 40 no. 1:62-63 Ju-J '65.

Case of metastases of pheochromocytoma in the bones. N. N. Zueva. *Vest. rent. i rad.* 40 no. 2:62-63 Mr-Apr '65.

Distribution of colloidal  $Ag^{110}$  in the organism of rats in intralysal administration and its influence on the development of the Brown-Pearce tumor. Sh. I. Zhilov. *Med. rad.* 10 no. 2:45-48 F '65.

Metastasizing of malignant tumors of the ovaries. E. P. Mukhina. *Vop. onk.* 10 no. 12:27-31 '61.

Metastasizing of sarcoma M-1. S. A. Gullaya. *Akrob. med. zhur.* 42 no. 3:67-73 Mr '65.

Substantiation of the method of radioiodine treatment of multiple metastases of cancer of the thyroid gland. E. P. Fiallova. *Med. rad.* 10 no. 5:11-18 My '65.

## METEOROLOGICAL RESEARCH see subdivision under Japan

## METEOROLOGY see subdivision under Russia, North-western

## METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

## METEOROLOGY—CHARTS, DIAGRAMS, ETC. see subdivision under Mediterranean Sea

## METEOROLOGY—TABLES, ETC. see subdivision under Europe

## METEOROLOGY, AGRICULTURAL

Agroclimatic calculations on the basis of statistical relations. O. D. Sirotenko. *Meteor. i gidrol.* no. 7: 20-26 Ji '65.

Causes of failure and ways for advancing viticulture to the north of its commercial boundary line. V. M. Chigrin. *Sbor. nauch. rab. NI sad.* no. 10:152-160 '64.

## METEOROLOGY, AGRICULTURAL (Continued)

Changes in the chemical composition of plants undergone irradiation at various periods of ontogeny depending on climatic factors. R. S. Zhuravov. Izv. AN Kazakh SSR Ser. biol. nauk. 3 no. 165-70. 14-1 '65.

Dependence of the spring wheat crop on precipitation in the central nonchernozem zone. T. F. Bogdanova. Meteor. i gidrol. no. 7:46-48. 31 '65.

## METEOROLOGY, MARITIME

Calculation of tangential wind stress in different thermic stratification. I. P. Bellina, Okeanologia 5 no. 2: 205-209 '65.

## METEOROLOGY, MARITIME—OBSERVATIONS

Using maritime meteorological observations for the indirect study of currents. A. V. Fomichev. Trudy VNIRO 57:109-112 '65.

## METEOROLOGY IN AERONAUTICS

Aerovisual observations on the Tashkent-Delhi route on December 11 and 14, 1963. M. A. Petrosiants. Meteor. i gidrol. no. 7:27-31. 31 '65.

Weather reconnaissance. K. Zhuchenko. Av. i kosm. 47 no. 7:33-35. 31 '65.

When a living thing sacrifices to form... F. Doroshenko. Grazhd. av. 10 no. 5:22-23. 31 '62.

## METEORS

Use of phase techniques in studying polarization effects apparent in the reflection of radio waves from meteor trails. V. V. Sidov, A. F. Pavlov, R. U. Fakhtul'dinov. Izv. vys. ucheb. zav., radiofiz. 8 no. 2:234-243 '65.

## METHACRYLIC ACID

Composition of tercopolymers and the copolymerization constants of butyl methacrylate, glycidyl methacrylate, and methacrylic acid. M. F. Sorokin, M. M. Babkina. Vysokom. soed. 7 no. 1:737-740. 31 '65.

Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and a cation-active emulsifier. S. D. Stavova, M. F. Margailova, S. S. Medvedev. Vysokom. soed. 7 no. 4: 717-724. 31 '65.

Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and an anion-active emulsifier. S. D. Stavova, M. F. Margailova, S. S. Medvedev. Vysokom. soed. 7 no. 4: 725-728. 31 '65.

## METHANE

Experimental study of the phase equilibrium of a ternary mixture of methane with normal hexane and cyclohexane. A. S. Volkovskii, G. S. Stepanova, I. A. Vybornova. Gaz. prom. 10 no. 6:45-49 '65.

Gas chromatographic determination of impurities in methyl chloride. N. T. Ivanova, N. A. Palamarchuk, S. V. Slavitskii. Plast. massy no. 4:65-67 '65.

Laws of parameter distribution in the technological processes of the joint conversion of methane and hydrocarbon oxide. B. B. Bukhanivskiy, A. A. Strel'tsev. Khim. prom. [Ukr.] no. 2:70-72. 31-Je '65.

Nomograms for determining the parameters of high-temperature conversion of methane with hydrogen under pressure. A. I. Stezhenskii, I. A. Makarov, I. U. G. Prazhnyk. Khim. prom. [Ukr.] no. 2:18-20. 31-Je '65.

METHANE—STORAGE see subdivision under United States

## METHANOL

Conductance of vanadium catalysts in the reaction of oxidation of methyl alcohol. L. G. Maldanovskii, L. N. Kurina, V. N. Bolosova. Kin. i kat. 6 no. 1:150-162. 31-Je '65.

Contact oxidation kinetics of methanol to formaldehyde on a silver catalyst under pressure. I. P. Kushnarenko, V. I. Atroshchenko. Izv. vys. ucheb. zav., i khim. i khim. tekhn. 8 no. 1:47-54 '65.

Kinetics of interaction between p-chlorophenyl isocyanate and methyl alcohol in n-heptane. O. V. Nesterov, S. G. Entelis. Kin. i kat. 6 no. 1:178-179. 31-Je '65.

## METHANOL—TOXICOLOGY

Diagnosis and treatment of poisoning by alcohol "surrogates" (methyl alcohol and diethylmethane). V. A. Zolotovskaya. Trudy Inst. im. N. V. Sklif. 6 no. 2: 184-189 '62.

## METHEMOGLOBIN

Quantitative content of methemoglobin in individual erythrocytes. N. V. Gornizkova, I. A. Terekov, V. A. Chernavskii. Izv. SO AN SSSR no. 12. Ser. biol. i med. nauk no. 3:124-126 '64.

METHOD OF WORK see Work, Method of

## METHYLAL

Synthesis and transformations of oxygen-containing organic and organosilicon compounds. Part 24: Synthesis and transformations of acetylenic formal, I. A. Shikhiev, A. A. Vatanika, B. M. Guseinzade. Zhur. ob. khim. 35 no. 5:812-814. 31 '65.

## METRIC SYSTEM

Introduction of the International System of Units in the field of physical measurements. I. P. Kreslevskii. Izv. tekhn. no. 2:12-13. 31 '65.

## MEXICO—ELECTROMOTIVE FORCE

Methods for the calculation of electromotive force originated in the contact of sulfide ore bodies and enclosing rocks as revealed by a study in the Capot mine in Cananea (Mexico). I. M. Urazhev. Izv. Kazan. fil. AN SSSR Ser. geol. nauk no. 10:52-76 '63.

## MEXICO—SULFIDES

Methods for the calculation of electromotive force originated in the contact of sulfide ore bodies and enclosing rocks as revealed by a study in the Capot mine in Cananea (Mexico). I. M. Urazhev. Izv. Kazan. fil. AN SSSR Ser. geol. nauk no. 10:52-76 '63.

## MEXICO, GULF OF—PLANKTON

Quantitative distribution of plankton in the northwestern part of the Caribbean Sea and the Gulf of Mexico. N. S. Khromov. Trudy VNIRO 57:381-391 '65.

## MEZEN RIVER—SHIPPING

The shipping reach should yield profit. G. Korlakin. Rich. transp. 23 no. 12:12-13. 31 '64.

## MEZEN VALLEY—FOLK ART

Paintings on wood from the Mezen' Valley. O. V. Kruglova. Sov. etn. no. 3:118-123. 31-Je '61.

MICE see subdivision under Belgorod Province

## MICE AS LABORATORY ANIMALS

Comparative sensitivity of genetically different strains of mice to strontium-90. V. L. Shvedov. Med. rad. 10 no. 2:48-51. 31 '65.

## MICELLES

Surface activity of some soaplike semicolloids in relation to micelle formation in their aqueous solutions. Z. N. Markina and others. Koll. zhur. 27 no. 2:242-249. 31-Je '65.

## MICHURIN, IVAN VLADIMIROVICH, 1855-1935

Michurin breeding methods and the interspecific tomato hybridization. R. Georgieva. Vest. sel'khoz. nauki 8 no. 8:150-155. 31 '63.

## MICHURINSK—NARCISUS—VARIETIES

Study of tulip and narcissus varieties in Michurinsk. M. F. Kireeva. Sbor. nauch. rab. NII sad. no. 10: 101-104. '64.

## MICHURINSK—TULIPS—VARIETIES

Study of tulip and narcissus varieties grown in Michurinsk. M. F. Kireeva. Sbor. nauch. rab. NII sad. no. 10:161-164. '64.

## MICROBIOLOGICAL RESEARCH

Significance of the biological activity of microbes for the development of experimental staphylococcal infection. Report No. 1: Significance of the virulence of the pathogen in the development of general staphylococcal infection in intra-orbitally infected mice. S. A. Anantoli and others. Zhur. mikrobiol., epid. i immun. 42 no. 1:98-102. 31 '65.

## MICROBIOLOGY

Abstracts of articles received by the editors. Zhur. mikrobiol., epid. i immun. 42 no. 3:147-152. 31 '65.

Author's abstracts. Zhur. mikrobiol., epid. i immun. 42 no. 2:141-144. 31 '65.

Morphological changes in bacteria under the effect of hexachlorophene. Report No. 1: Anaprotic microscopy. P. A. Ivankevich, A. P. Bocharov. Zhur. mikrobiol., epid. i immun. 42 no. 3:78-81. 31 '65.

Study of the interaction of Bacillus pertussis and parapertussis with tissue cultures. Report No. 2: Reproduction of Hemophilus pertussis and parapertussis in a system with chick embryo fibroblasts. E. I. Shmeleva, M. S. Zakharova. Zhur. mikrobiol., epid. i immun. 42 no. 3:81-88. 31 '65.

## MICROBIOLOGY—CONGRESSES

Kishinev, Moldavskii Institut epidemiologii, mikrobiologii i gigiteny. [Problems of the biology of microorganisms and applied immunology; transactions of the 4th scientific session on 15-17 October, 1963.] Voprosy biologii mikroorganizmov i prikladnoi immunologii; trudy IV nauchnoi sessii 15-17 oktabria 1963 g. Kishinev, 1963. 148 p.

## MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Amic acid composition of gram-positive and gram-negative bacteria. P. P. Sorokin. Ufr. biokhim. zhur. 37 no. 2:239-242. '65.

Antagonistic activity of Escherichia coli M-17 on solid culture media with various content of salt. I. U. A. Tamarin. Zhur. mikrobiol., epid. i immun. 42 no. 3: 143-144. 31 '65.

Comparative evaluation of the effectiveness of culture media for the cultivation of Leptospira. A. I. Titrova, L. M. Shal'tis, V. P. Tel'bukh. Zhur. mikrobiol., epid. i immun. 42 no. 3:141. 31 '65.

Effect of oxidation-reduction potential on the development of bacteria in algal cultures. I. V. Maksimova, E. P. Fedenko. Mikrobiologiya 34 no. 2:314-319. 31-Je '65.

Effect of Bacillus lutea preparations on the microorganisms and animals. B. A. Matvienko, B. Tolstobacov. Veterinariia 42 no. 5:42-41. 31 '65.

Effect of the age of Escherichia coli and Staphylococcus aureus cultures on the acetylation process. I. U. V. Kulash. Mikrobiologiya 34 no. 2:236-238. 31-Je '65.

Possibility for identifying nucleosides in the cells of bacteria as related to the age of their cultures. A. A. Imshenetskii, G. K. Zhil'tsova. Mikrobiologiya 34 no. 2:305-312. 31-Je '65.

Preservation of viability by microorganisms under extremely low temperature. A. A. Alverdiev. Mikrobiologiya 34 no. 2:285-287. 31-Je '65.

## MICROBIOLOGY—TECHNIQUE

Accelerated method for detecting the pathogens of paratyphoid infections. P. N. Stebliuk. Zhur. mikrobiol., epid. i immun. 42 no. 2:19-21. 31 '65.

Benidine method for detecting cytochromes in microbial cells. L. V. Kalakutskii, Z. Rzhigachek. Mikrobiologiya 34 no. 2:366-369. 31-Je '65.

Causes of various fluorescence of microbial colonies under oblique illumination. N. S. Akatova. Zhur. mikrobiol., epid. i immun. 42 no. 3:25-28. 31 '65.

Characteristics of antibiotics fixed to particles and prospects of their use in microbiology. Report No. 6. A. K. Adamov. Zhur. mikrobiol., epid. i immun. 42 no. 2: 100-103. 31 '65.

Complexity of the somatic antigens of Clostridium perfringens types A, B, C, D, E and F. B. D. Bychenko. Zhur. mikrobiol., epid. i immun. 42 no. 2:131-136. 31 '65.

Determination of staphylococcal hemolysins by the technique of hemolysis neutralization with antistaphylococcal sera on agar plates. K. P. Konova. Zhur. mikrobiol., epid. i immun. 42 no. 2:110-115. 31 '65.

Experimental study of polydispersed bacterial aerosols. Report No. 2: Determination of basic parameters of the polydispersed system for calculating the survival indices of pathogens. V. P. Zhalko-Titarenko. Zhur. mikrobiol., epid. i immun. 42 no. 1:123-129. 31 '65.

Experimental study of polydispersed bacterial aerosols. Report No. 3: Study of the aerosols of diphtheria bacilli. V. P. Zhalko-Titarenko. Zhur. mikrobiol., epid. i immun. 42 no. 2:88-73. 31 '65.

Fluorescence spectra of intravital fluorescence-treated microorganisms. V. I. Khizhin. Zhur. mikrobiol., epid. i immun. 42 no. 3:22-25. 31 '65.

Impregnation of intracellular inclusions of chicken pox in poultry. V. M. Apatenko. Veterinariia 41 no. 6:32. 31 '64.

Possibility of using freeze deproteinization and ultracentrifugation for the purification of Raus' virus. R. M. Radzikovskaya. Biol. eksp. biol. i med. 59 no. 6:121-126. 31 '65.

Purification and fractionation of influenza virus by chromatography on aminocellulose. I. A. M. Sellvanov and others. Vop. virus. 9 no. 5:550-555. 31 '64.

Sensitivity of Shigella to antibiotics and the use of Ploskirev's bacteriophage with polymyxin in laboratory diagnosis of dysentery. A. I. Veselov. Zhur. mikrobiol., epid. i immun. 42 no. 3:29-31. 31 '65.

Synchronous multiplication of microorganisms as a method of studying their biology, a review of literature. I. A. Basmal'ian. Zhur. mikrobiol., epid. i immun. 42 no. 2:85-89. 31 '65.

## MICROCOCCUS—CULTURES AND CULTURE MEDIA

Role of lipids in the organization of enzymatic chains of electron transfer in Micrococcus lysodeikticus. A. I. Oparin and others. Zhur. evol. biokhim. i fiziol. 1 no. 1:17-15. 31-Je '65.

## MICRO-ORGANISMS, EFFECT OF DRUGS ON

Change in the resistance to syntomycin in dysentery bacilli isolated in Ordzhonikidze in 1952-1963. Z. N. Dzhanayeva-Koroeva. Zhur. mikrobiol., epid. i immun. 42 no. 1:135-138. 31 '65.

Duration of preserving enzymatic variability in Salmonella. E. G. Livkina, I. U. B. Popov, T. I. Katsava. Antibiotiki 10 no. 5:450-451. 31 '65.

Resistance development and the cross-resistance of staphylococci to oleandomycin and sekazin. T. M. Bass. Antibiotiki 10 no. 5:451-455. 31 '65.

Results of the mass utilization of the polyvalent dysentery bacteriophage. N. N. Filatova, F. K. Cherkes. Zhur. mikrobiol., epid. i immun. 42 no. 3:122-125. 31 '65.

Sensitivity of Shigella to antibiotics and the use of Ploskirev's bacteriophage with polymyxin in laboratory diagnosis of dysentery. A. I. Veselov. Zhur. mikrobiol., epid. i immun. 42 no. 3:29-31. 31 '65.

Mechanism of the injurious effect of radiation on bacterial cells; a review of literature. A. G. Skavronskaya. Zhur. mikrobiol., epid. i immun. 42 no. 2:80-85. 31 '65.

Study of the virulence of a Brucella vaccine strain following its presence in an irradiated organism. Z. V. Shevtsova. Zhur. mikrobiol., epid. i immun. 42 no. 3:58-58. 31 '65.

- MICROPALÉONTOLOGY, STRATIGRAPHIC** see subdivision under Balkan Mountains, Carpathian Mountains
- MICROPHOTOGRAPHY**  
Some characteristics of microphotography of tissue cultures grown in penicillin vials or flasks. I. U. P. Pokhitonov. Vop. virus. 9 no. 5:631-635 5-O '64
- MICROPHOTOMETER**  
Cytrophotometer, in the visible region of the spectrum. A. I. Sheradilo. Izv. SO AN SSSR no. 12 Ser. biol.-med. nauk no. 1:145-146 '64
- MICROSPORIDIA** see subdivision under Tuva A.S.S.R.
- MICROWAVE TUBES**  
Design of the input and output device of a paramagnetic traveling-wave amplifier. A. N. Shibalov. Trudy VZETI no. 26:113-122 '64
- MICROWAVES**  
Calculation of stepping junctions and directional couplers with a random number of elements. L. G. Kirillov, L. R. Ivich. Radiotekh. i elektron. 10 no. 6:1153-1155 Je '65.  
Calculation of the coefficient of absorption of centimeter and millimeter radio waves in the oxygen of the atmosphere. S. A. Zhevakhin, A. P. Naumov. Radiotekh. i elektron. 10 no. 6:937-938 Je '65.  
Calculation of the phase characteristics of nonsymmetrical wave types and the filtering action of a helical waveguide. I. P. Kohn, A. N. Silov. Radiotekh. i elektron. 10 no. 6:1063-1072 Je '65.  
Design of the input and output device of a paramagnetic traveling-wave amplifier. A. N. Shibalov. Trudy VZETI no. 26:113-122 '64.  
Effect of first and second order aberrations on the characteristics of a cavity resonator. V. S. Averbakh, S. N. Vlasov, V. I. Talanov. Radiotekh. i elektron. 10 no. 6:1150-1153 Je '65.  
Effective excitation of radial cylindrical surface waves. M. S. Bobrovnikov, G. G. Goshin, V. P. Smirnov. Radiotekh. i elektron. 10 no. 5:1023-1028 Je '65.  
Efficiency of energy conversion in a media with inverse inhomogeneity. A. L. Mikaelian, I. U. G. Turkov. Radiotekh. i elektron. 10 no. 6:1094-1103 Je '65.  
Maximum directivity of radiator systems with symmetry. D. B. Ivanov. Radiotekh. i elektron. 10 no. 6:997-1004 Je '65.  
Parametric microwave frequency divider. O. I. Mednikov. Radiotekh. i elektron. 10 no. 6:1159-1160 Je '65.  
Propagation of the fundamental wave in a coaxial line with a nonhomogeneous dielectric filling. V. G. Kartashev. Radiotekh. i elektron. 10 no. 6:1057-1064 Je '65.  
Superhigh frequency optical modulator. S. P. Erkovich and others. Radiotekh. i elektron. 10 no. 6:1146 Je '65.
- MICROWAVES—PHYSIOLOGICAL EFFECT**  
Effect of microwaves on living organisms and biological structures. A. S. Presman. Usp. fiz. nauk 86 no. 2: 263-302 Je '65
- MIDDLE AGES—BIBLIOGRAPHY** see Bibliography—Middle Ages
- MIDDLE AGES—HISTORY**  
Defenses of doctoral dissertations. Sred. veka no. 26: 207-217 '64.  
Experience in directing seminars for beginners studying medieval history in the Faculty of History of Moscow State University. E. V. Gutnova. Sred. veka no. 26: 170-180 '64.  
Work of the Section of Medieval History of the Institute of History of the Academy of Sciences of the U.S.S.R. in 1962 and 1963. E. A. Zhabotinskaya. Sred. veka no. 26: 218-222 '64
- MIDDLE EAST** see Near East
- MIDDLE VOLGA ECONOMIC REGION—CONSTRUCTION, INDUSTRY**  
Improvement of the organization of the construction industry is the decisive factor. A. Brjuno. Na stroi. Ross. 8 no. 6:1-2 Je '65
- MIDDLE VOLGA ECONOMIC REGION—FIRES AND FIRE PREVENTION**  
Business approach. M. Gofubev. Pozh. delo no. 5:28-29 My '65
- MIECHOWITA, MACIEJ, 1456-1523**  
One of the sources of the "Traktat o twoj Sarmatias" by Maciej Miechowita. B. Florea. Sov. slav. no. 2:55-61 '65.
- MIEZELAITIS, EDUARDAS, 1919-**  
If one doesn't cut the quotation short... V. Timofeeva. Vop. lit. 9 no. 3:176-177 Mr '65.  
Lankutis, J. [Poetry of E. Miezelaitis] E. Miezelaicio poezija. Vilnius, Vaga, 1965. 288 p. [In Lithuanian]
- MIKHAILOV, SOLOMON MIKHAILOVICH, 1890-1948**  
Mikhailov among his friends. A. Pototskaya-Mikhailova. Teatr 26 no. 3:85-93 Mr '65.
- MILAN—OPERA**  
Artists of the "La Scala" speak. Francesco Siciliani and others. Teatr 26 no. 1:110-117 Ja '65.
- MILASHKINA, TAMARA**  
A Russian Lira. Sov. muz. 29 no. 5:140 My '65.
- MILDEW**  
Rice mildew. E. P. Ioschenko. Zashch. rast. i vredit. bol. 10 no. 4:12-13 '65
- MILI STEPPE** see Kura Lowland
- MILITARISM**  
Albrecht, Erhard. [Anticommunism, the ideology of clerical militarism. Translated from the German] Antikommunizm - ideologija klerikal'nogo militarizma. Vstup. stat'ia A. M. Kovaleva. Red. A. A. Makarov. Moskva, Izd-vo inostr. lit-ry, 1963. 129 p. (NcD)
- MILITARY AERONAUTICS** see Aeronautics, Military
- MILITARY ART AND SCIENCE**  
Correlation of the objective and subjective in armed fighting. M. Popov. Komm. Vooruzh. Sil 16 no. 10: 0-18 My '65.  
Military problems in a course in the fundamentals of scientific communism. S. Golikov. Komm. Vooruzh. Sil 46 no. 11:36-42 Je '65.  
Principles of the development and change of methods of armed fighting. V. Glazov. Komm. Vooruzh. Sil 46 no. 11:43-50 Je '65.
- MILITARY ART AND SCIENCE—DICTIONARIES**  
Danchevskii, V. I., and B. I. Bayev, comps. [Italian-Russian military dictionary] Ital'iansko-russkii voennyi slovar'. Moskva, Voenizdat, 1965. 404 p.  
[Spanish-Russian and Russian-Spanish military dictionary] Japano-Russkii i Russko-Ispankii voennyi slovar'. Moskva, Voenizdat, 1965. 632 p.
- MILITARY ASSISTANCE, AMERICAN**  
(see also subdivision under Congo, Leopoldville; Dominican Republic; Vietnam, South)  
Events accuse the U.S. F. T. Orekhov. Mezhdunar. zhizn' 12 no. 7:4 JI '65.
- MILITARY BASES, AMERICAN** see subdivision under Spain
- MILITARY COURTS** see subdivision under Smolensk
- MILITARY DISCIPLINE**  
Strengthening of discipline, a vital matter of all soldiers. Komm. Vooruzh. Sil 46 no. 11:72-75 Je '65.
- MILITARY EDUCATION**  
A commander's exacting attitude. I. Fedoseev. Komm. Vooruzh. Sil 46 no. 10:46-48 Mr '65.  
Communists are educating. A. Koval'. Komm. Vooruzh. Sil 46 no. 11:20-35 Je '65.  
Exactness and sensitiveness. N. Belous. Komm. Vooruzh. Sil 46 no. 10:31-38 Mr '65.  
Greater attention to correspondence students of academies and higher schools. A. Sinitsa, V. Konopliankin. Komm. Vooruzh. Sil 46 no. 11:24-28 Je '65.  
Standard-bearers. E. Annan. Komm. Vooruzh. Sil 46 no. 8:62-63 Ap '65.  
To the sons about the feats of their fathers. V. Ustalov. Komm. Vooruzh. Sil 46 no. 8:84 Ap '65.  
Wide wings for advanced experience. Komm. Vooruzh. Sil 46 no. 10:40-51 Mr '65.
- MILITARY EDUCATION—PROGRAMMED INSTRUCTION**  
Programmed instruction, a creative matter. A. Podolskii. Komm. Vooruzh. Sil 46 no. 10:25-30 My '65.
- MILITARY JOURNALISM** see Journalism, Military
- MILITARY LIBRARIES**  
In order to consult with it more often... V. Elin. Komm. Vooruzh. Sil 46 no. 11:62-65 Je '65.
- MILITARY MUSEUMS**  
(see also subdivision under Moscow; Volgograd)  
Relic of military glory. S. Utekhin. Sov. shakht. 14 no. 5:17 Mr '65.
- MILITARY RADIO** see Radio, Military
- MILITARY SPORTS**  
Youth is starting. V. Vladimirov, A. Adzhimamudov, V. Dokin. Sov. voen. 47 no. 11:44-45 Je '65.
- MILK—ANALYSIS AND EXAMINATION**  
Transport of sodium and potassium in the secretion of milk. M. G. Zaks and others. Fiziol. zhur. 51 no. 4: 513-516 Ap '65.
- MILK—COOLING**  
Studying various methods for cooling milk on farms. E. Must. Tekh. v. sel'khoz. 25 no. 6:26-28 Mr '65.
- MILK, DRIED—MICROBIOLOGY**  
Survival of viruses in dried milk and feed albumin. E. B. Nikitin, A. G. Vladimirov. Veterinarlia 42 no. 5:98-101 My '65.
- MILK, FERMENTED**  
Effect of acid milk antibiotics on Mycobacterium tuberculosis. V. A. Taraschin. Veterinarlia 42 no. 5:94-95 Je '65.
- MILK AS FEED**  
Use of skim milk with the addition of biomyces. I. A. Matveev. Veterinarlia 41 no. 4:69-70 Ap '65.
- MILK HYGIENE**  
Conditions for improving the hygienic quality of milk. A. G. Milonovskii and others. Veterinarlia 42 no. 5: 90-98 My '65.  
For high hygienic quality of milk. N. N. Ioschenko. Veterinarlia 41 no. 6:89-102 Je '64.
- MILK TRADE** see subdivision under Moscow Province
- MILKING—HYGIENIC ASPECTS**  
Use of antiseptics for washing the udder of cows. A. G. Milonovskii. Veterinarlia 41 no. 1:97-100 Ap '63.
- MILKING MACHINES**  
[Mechanical milking of cows] Goryu mehanizatsiya molokosana. Riga, Liesma, 1965. 104 p. [In Latvian] (DNAL)
- MILKING MACHINES—HYGIENIC ASPECTS**  
Evaluating the hygienic condition of a milking machine. I. A. Khanchuk and others. Veterinarlia 42 no. 5: 85-86 Je '65.
- MILKING PARLORS—HYGIENIC ASPECTS** see subdivision under Ukraine
- MILKY WAY**  
Dust distribution in the galactic plane in the vicinity of the sun (thesis of a report). I. I. Pismak. Trudy Antiofiz. inst. AN Kazakh. SSR 5:274-276 '65.  
The K-effect and nonstationary motions in the galaxy. L. V. Mirzolan, D. S. Kazarlan. Trudy Antiofiz. inst. AN Kazakh. SSR 5:224-232 '65.  
System of galactic constants. I. L. Goukin. Trudy Astrofiz. inst. AN Kazakh. SSR 5:101-101 '65.
- MILLET** see subdivision under Lugansk Province; Novosibirsk Province; Saratov Province
- MILLET—CLEANING** see subdivision under Obolensk
- MILLING (METALWORK)**  
Todorin, G. Z., E. L. Kozlova, and L. T. Morozov. [Training of milling machine operators] Podgotovka operatorov obrabotki rezersovshchikov. Priblizhenie obucheniya rezersovshchikov. Moskva, Vysshaya shkola, 1965. 73 p. (Obmen opytom iately)
- Using and form cutters for milling straight and helical grooves in runners. V. P. Kiselev. Mashinostroenie no. 3:60-62 My-Je '65.
- MILLING MACHINERY**  
Using jet-cutting mills in the weighting of circulating fluids. Z. A. Denikina, M. A. Norman, S. P. Shchegolev. Neft. i gaz. prom. no. 2:29-30 Ap-Je '65.
- MILLING MACHINES**  
Machine tool for milling spiral grooves. S. P. Goukin. Tekh. inform. 16 no. 4:27-28 Ap '65.
- MINE BUILDINGS—DESIGN AND CONSTRUCTION**  
Redesigning a headframe without stopping mine hoisting operations. A. F. Gut, A. S. Babenko. Shakht. stroi. 6 no. 5:20-23 My '65.
- MINE DUSTS**  
Unrelenting attention should be given to safety. V. I. Pavlukov, V. A. Pozdnakov. Bezop. truda v prom. 9 no. 3:27-28 Mr '65.
- MINE DUSTS—REMOVAL**  
[Equipment used in the removal of dust in mines; an atlas] Obozrudovanie, primeniamoe pri kompleksnom otvazhivanii rudnikov i shakht; at'lom. Moskva, Nedra, 1964. 300 p.  
Using water to combat dust in permanent conditions. E. T. Voronov. Bezop. truda v prom. 9 no. 3:14-15 Mr '65.
- MINE EXPLOSIONS**  
Boring holes in slopes of seams subject to explosion. N. A. Perokrestov. Bezop. truda v prom. 9 no. 3:17-18 Mr '65.  
A "pressure wave" and its role in the process of sudden ejections of coal and gas. N. G. Rusakov. Vop. gor. davl. no. 2:57-65 '64.
- MINE GASES—SAFETY MEASURES**  
Possibility of abruptly changing the feed of air into a section according to the gas factor. I. A. Ryzhenko. Bezop. truda v prom. 9 no. 3:36-38 Mr '65.
- MINE HOISTING**  
Redesigning a headframe without stopping mine hoisting operations. A. F. Gut, A. S. Babenko. Shakht. stroi. 6 no. 5:20-23 My '65.

#### MINE HOISTING—ELECTRIC DRIVING

Automating the asynchronous drive of skip hoisting equipment during deceleration and drawing-up periods with the use of a low-frequency current. A. L. Vinogradov. *Izv. vuz. ucheb. zav.; tsvet. met.* 8 no. 1:152-158 '65.

#### MINE HOISTING—SAFETY APPLIANCES

Eliminating oil leakage from the reducing gears of mine hoists. A. Z. Timonin, B. F. Negrutskii, Mashinostroyeniye no. 3:70-71 My-Je '65.

#### MINE RAILROADS—SIGNALING

Turning on the lights. D. Golovchenko. *Sov. shakht.* 14 no. 123-24 Mi '65.

#### MINE ROOF BOLTING—CONGRESSES

Conference on the introduction of roof bolting in mining engineering. I. S. Semenov. *Izv. vuz. ucheb. zav.; tsvet. met.* 8 no. 1:69-70 '65.

#### MINE SAFETY

Unremitting attention should be given to safety. V. F. Pavlukov, V. A. Pozdnakov. *Bezop. truda v prom.* 9 no. 3:27-28 Mr '65.

#### MINE SURVEYING see subdivision under Dzhokkazgan region (Kazakhstan)

#### MINE TIMBERING

(see also subdivision under Kuznetsk Basin; Moscow Basin)

Dubin, L. L., M. I. Bogdanov, and G. K. Kichaeva. [Long term planning of timber for coal mines] Perspektivnoe planirovaniye lesomaterialov na ugoľnykh shakhtakh, Syktyvkar, Komi kuzlinoe izd-vo, 1964, 47 p.

Economic efficiency of using complexes of equipment with hydraulic jacks. V. M. Balykov, I. A. M. Iudkin. *Ugol'* 40 no. 5:71-75 My '65.

Experience abroad of using complexes of equipment for mechanizing stoping operations. V. M. Zykov, V. M. Mikhailov. *Ugol'* 40 no. 5:75-79 My '65.

Experience in operating mechanized stoping complexes at the "Abashovskaya 7-1" mine. I. I. Resonov. *Ugol'* 40 no. 5:62-63 My '65.

Experience in operating the Shek-50k mechanized stoping complex. E. A. Babli. *Ugol'* 40 no. 5:63-64 My '65. (see also the Donets Council of National Economy, M. I. Barmut. *Ugol'* 40 no. 5:40-43 My '65.

In the Donets Scientific Research Coal Institute. E. T. Pichavkin. *Ugol'* 40 no. 5:33-36 My '65.

In the Karaganda Basin. I. K. Matonin. *Ugol'* 40 no. 5:48-50 My '65.

In the Kuznetsk Basin. V. K. Krylov. *Ugol'* 40 no. 5:11-17 My '65.

In the Moscow Basin State Experimental Institute of Design and Construction for the Mining Machinery Industry. V. I. Bobkov. *Ugol'* 40 no. 5:30-31 My '65.

In the State Experimental Institute of Design and Construction for the Coal Machinery Industry. S. Kh. Kizotkhan. *Ugol'* 40 no. 5:25-30 My '65.

Investigating aerodynamic resistance of longwalls equipped with OMKT complexes and "Mosbas" supports. V. V. Kashibadze, V. Sh. Zamtaradze, G. Sh. Chikobava. *Ugol'* 40 no. 5:69-71 My '65.

Mine support made of coal. V. Matveev. *Sov. shakht.* 14 no. 3:14 Mi '65.

Most important trends in technical progress in the coal industry. I. M. Krutenko. *Ugol'* 40 no. 5:5-11 My '65.

Operation of the KM-07 complex. V. N. Ostapenko, M. A. Maslennikov. *Ugol'* 40 no. 5:64 My '65.

Systems of mining coal seams by longwalls equipped with complexes of machines with powered supports. A. M. Kurmosov, V. M. Zykov, L. A. Likhter. *Ugol'* 40 no. 5:65-69 My '65.

A thin-walled shell mine support. P. I. Linnik. *Bezop. truda v prom.* 9 no. 3:32-34 Mr '65.

Using the results of actual measurements of pressure on supports for making strength calculations. V. A. Lytkin, M. A. Dolgikh. *Vop. gor. davl.* no. 22:33-49 '64.

Work practices with the OMKT complex in the Chelyabinsk Basin. P. F. Kuzukov, V. I. Mataninov, V. T. Gorlov. *Ugol'* 40 no. 5:60-69 My '65.

#### MINE VENTILATION

(see also subdivision under Kursk Magnetic Anomaly)

Investigating aerodynamic resistance of longwalls equipped with OMKT complexes and "Mosbas" supports. V. V. Kashibadze, V. Sh. Zamtaradze, G. Sh. Chikobava. *Ugol'* 40 no. 5:69-71 My '65.

Possibility of abruptly changing the feed of air into a section according to the gas factor. I. A. Ryzhenko. *Bezop. truda v prom.* 9 no. 3:36-38 Mr '65.

#### MINE WATER

Methods of predicting the inflow of water in strip mines. Z. I. Lohedianskaya. *Shakht. stroi.* 9 no. 5:13-16 My '65.

#### MINERAL AGGREGATES see Aggregates (Building materials)

MINERAL WATERS see subdivision under Caucasus, Kaluga Province; Kaslin (Kalinin Province); Lower Tunguska Valley

#### MINERAL WOOL

Continuous-action furnaces for the production of mineral wool from molten blast-furnace slag. I. I. Kuskina and others. *Stroi. mat.* 11 no. 4:32-34 Ap '65.

Productive capacity of mineral-wool furnaces has grown. V. I. Bilibichevich, A. S. Rohak. *Stroi. mat.* 11 no. 4:5-6 Ap '65.

With the same equipment twice as much mineral wool. G. F. Zhdanov, A. N. Vorob'ev. *Stroi. mat.* 11 no. 1:4-5 Ap '65.

#### MINERALOGICAL RESEARCH

Moscow. Institut mineralogi, geokhimi i kristallografi. [Experimental methodological studies of ore minerals] Eksperimental'no-metodicheskie issledovaniya rudnykh mineralov. Moskva, Nauka, 1965. 303 p.

#### MINERALOGICAL SOCIETIES see subdivision under Uzbekistan

#### MINERALOGY see subdivision under Kazakhstan

#### MINERALOGY—CONGRESSES

Congress of the Mineralogical Society of the U.S.S.R. Zap. Uz. old. Vses. min. ob-va no. 16:123 '64.

#### MINERALOGY, DETERMINATIVE

Determination of carbonate minerals by the coloration method. L. F. Shterenberg. *Lit. i pol. iskop.* no. 2:185 Mr-Apr '65.

[Methods of chemical analysis of mineral raw materials] Metody khimicheskogo analiza mineral'nogo syr'ya. Moskva, Nedra, No. 8, 1965. 287 p.

Quantitative spectral determination of In, Ga, Ge, Ti, and Ag in minerals and rocks. B. A. Balakishlova. *Izv. AN Azerb. SSR, Ser. geol.-geog.* 1:49-56 '61.

Soboleva, M. V., and N. D. Sobolev. [Little chrysotile asbestos] Lomkii khizotil-asbest. Moskva, Nedra, 1965. 67 p.

#### MINERALS

(see also subdivision under Karamazar Mountains; Kerch Peninsula, Uzbekistan; Yenisey Range)

Catalytic properties of natural mineral substances. M. I. Kudach. *Zhur. prikl. khim.* 38 no. 4:877-883 Ap '65.

Kinetics and the mechanism of chlorination of minerals (apatite, pyrochlore, zircon, and euxenite). S. I. Stefanuk, I. S. Morozov. *Zhur. prikl. khim.* 38 no. 4:729-735 Ap '65.

#### MINERALS—EFFECT OF PLANTS see Plants, Effect of minerals on

#### MINERALS IN FOOD

Use of nutrient salt solution in dyspepsia of calves. M. P. Kovalev. *Veterinariya* 42 no. 5:83 My '65.

#### MINERALS IN PLANTS

Distribution of nutrients in fruit trees under the isolated nutrition of individual roots. S. S. Rubin. *V. I. Moiseichenko. Vest. sel'khoz. nauki* 8 no. 5:111-117 Ag '63.

#### MINERALS IN SOILS see subdivision under Transcaucasia

#### MINERS—DISEASES AND HYGIENE

Relation between the level of traumatism and the method of mining. G. S. Zymalev. *Bezop. truda v prom.* 9 no. 3:13-14 Mr '65.

#### MINIATURE GARDENS see Gardens, Miniature

#### MINIATURE PAINTING, AZERBAIJANI

Kaziev, A. T. [Miniature painting in the manuscript of Nizami's "Khamse," 1539-1543] Miniatury rukopisi "Khamse" Nizami, 1539-1543 gg. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 82 p. illus.

#### MINING ENGINEERING

(see also subdivision under Kazakhstan; Kirghizistan)

Akademii nauk SSSR, Sibirskoe otdeleniye. [Development of mineral deposits] Razrabotka mestorozhdenii poleznykh iskopaemykh. Novosibirsk, Red. izd. otdel Sibirskogo otd-niya AN SSSR, 1964. 227 p.

Dubynin, N. G. [Drawing ore in underground mining] Vypusk rudy pri podzemnoi razrabotke. Pod red. M. I. Agoskovskaya. Moskva, Nedra, 1965. 288 p.

Kley, Institut avtomatyky. [Automation of industrial processes in the coal and ore mining industry] Avtomatizatsiya proizvodstvennykh protsessov v ugoľnoi gornouchnoi promyshlennosti. Pod red. L. A. Shokhetina. Kiev, 1964. 191 p.

Mamedov, Sh. N. [Principles of selecting systems of mining underground ore deposits] Osnovy vybora sistem podzemnoi razrabotki rudnykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 193 p.

Regularities of roof displacement in steep seam longwalls. A. G. Shadrin. *Vop. gor. davl.* no. 22:13-10 '64.

Relation between the level of traumatism and the method of mining. G. S. Zymalev. *Bezop. truda v prom.* 9 no. 3:13-14 Mr '65.

Tuchaninov, I. A. [Displacement and pressure of rock in the mining of steeply pitching seams] Sdvizhenie i davlenie gornykh porod pri razrabotke krutopadatschikh zhil. Moskva, Nauka, 1965. 93 p.

#### MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur. Gor. delo no. 6 Je '65.

#### MINING ENGINEERING—COLD WEATHER CONDITIONS

Using water to combat dust in permafrost conditions. E. T. Veronov. *Bezop. truda v prom.* 9 no. 3:11-15 Mr '65.

#### MINING ENGINEERING—SAFETY MEASURES

Taking into account the possible development of cave-ins above blind deposits. A. G. Akimov. *Bezop. truda v prom.* 9 no. 3:45-47 Mr '65.

#### MINING ENGINEERING—STUDY AND TEACHING

(see also subdivision under Vorkuta)

Modern mining engineer. V. V. Rzhavskii, A. A. Iushchenko. *Vest. vuz. shkoly* 23 no. 6:12-18 Je '65.

Professor of cutter-loader operation "N. Budra. *Sov. shakht.* 14 no. 3:9-10 Mi '65. Shchuchinsk school of mining engineering and metallurgy. B. Karpenko. *Sred. spets. obs.* 12 no. 3:53 Mr '65.

#### MINING GEOLOGY

Investigating the fractured state of rock in a massif surrounding a mine working. A. M. Fridland. *Shakht. stroi.* 9 no. 5:7-10 My '65.

Using the OMKT and OMKU mechanized complexes in various conditions of mining geology. D. T. Gorbachev, I. G. Agafonov. *Ugol'* 40 no. 5:55-57 My '65.

#### MINING MACHINERY

Automatic loading devices for skip units. T. F. Dolgoplov, M. I. Stolbun, V. I. Fesenko. *Mekh. i avtom. priizv.* 19 no. 4:15-16 Ap '65.

For "Big Chemistry". R. Blumkin. *Sov. shakht.* 14 no. 5:40 My '65. Machine for loading mining bulk. Kh. E. Abramson, I. A. Beyer. *Mekh. i avtom. priizv.* 19 no. 4:39 Ap '65.

The PNB-3m loading machine. *Shakht. stroi.* 9 no. 5:3 of cover My '65.

Single-bucket loaders used in openworks. M. V. Vasil'ev, V. V. Sharin. *Mekh. i avtom. priizv.* 10 no. 4:22-24 Ap '65.

#### MINING MACHINERY—CATALOGS

[Mining machines] Gornye mashiny. [Moskva] Gosgortekhnizdat, 1961. 306 p.

#### MINING RESEARCH

Fourth All-Union Public Inspection of the fulfillment of plans for scientific research and introduction of the achievements of science and technology into the national economy. *Ugol'* 40 no. 5:53 My '65. Twenty years of research by the boring and blasting section of the Scientific Technological Society for mining. B. D. Rossi. *Shakht. stroi.* 9 no. 5:31 My '65.

#### MINOR, ROBERT, 1884-1952

Militant vanguard of American graphic artists. E. Galdukevich. *Iskusstvo* 28 no. 1:50-54 '65.

#### MINORITIES see subdivision under Dagestan

#### MINSK—AMATEUR THEATRICALS

Merrily and maliciously Georgii Kotos. *Teatr* 26 no. 4:125-126 Ap '65.

#### MINSK—COLD STORAGE WAREHOUSES—MANAGEMENT

Improved work organization in the Minsk Cold Storage Warehouse No. 1. T. M. Borisovich. *Khol. tekhn.* 42 no. 1:47 Ja-F '65.

#### MINSK—MOTOR VEHICLES—DESIGN AND CONSTRUCTION

Development of motor vehicle designs at the Minsk Automobile Plant. M. Vysotskii. *Avi. transp.* 43 no. 5:40-43 My '65.

#### MINSK—TAXICABS

Paid mileage and work quality. G. Takunov. *Avi. transp.* 43 no. 5:38-39 My '65.

#### MINSK—TRACTOR INDUSTRY

Made especially for the tropics. *Vnesh. torg.* 46 no. 6:35-37 '65.

#### MINSK—TRANSPORTATION, AUTOMOTIVE

For a perfect organization of work. A. Nelman. *Avi. transp.* 43 no. 5:8-9 My '65.

MINSK PROVINCE—COLLECTIVE FARMS—ACCOUNTING Nauchno-issledovatel'skii institut ekonomiki i organizatsii sel'skokhoziaistvennogo proizvodstva. [Internal business accounting of the collective farms of Minsk Province] Vnutrikhoziaistvennyi raschet v kollektivakh Minskoi oblasti. Minsk, Urozhai, 1963. 88 p.





## MOLECULAR SPECTRA

Infrared absorption spectra of impurity molecules. S. I. Dudkin. Ukr. fiz. zhur. 10 no. 3:323-331 Mr '65.

Possibility of observing induced radiation in the far-ultra-violet region of the spectrum. P. A. Bazhulin, I. N. Kuznetsov, G. G. Putash. Zhur. eksp. i teor. fiz. 48 no. 3:975-976 Mr '65.

## MOLECULAR STRUCTURE

Akhmetov, N. S. [Chemical bond. Formation and structure of molecules.] Khimicheskaya svyaz'. Obrazovanie i struktura molekul. Kazan', Kazanskii khimiko-tekhnologicheskii in-t, 1964, 60 p. (Uchebno-metodicheskie materialy po kursu neorganicheskoi khimii) [MICROFILM]

Drutman, Z. S. [Structure of molecules.] Stoenic molek. kul. [L'vov] L'd-vo L'vovskogo univ., 1962, 213 p.

## MOLECULAR WEIGHTS

Dependence of the refractive index on the intermediate molecular weight in the polymer homologous series of some high molecular compounds. I. Greer. Vysokom. sood. 7 no. 4:642-646 Ap '65.

Dependence of  $\eta_{sp}/c$  and  $\eta_{sp}/c$  in polymerized vegetable oils on the molecular weight of their samples. S. N. Kolesov. Izv. AN Uz SSR, Ser. fiz.-mat. nauk. 0 no. 1: 69-75 '65.

## MOLECULES

Studying the shape and internal mobility of molecules from the broadening of the scattering line. M. F. Fikus. F. Kh. Tikhvatulin. Zhur. prikl. spekt. 2 no. 3:277-278 Mr '65.

## MOLECULES—MODELS

An oscillator model of molecules of indole and its derivatives. F. A. Chernitskii, S. V. Konev. Zhur. prikl. spekt. 2 no. 3:261-265 Mr '65.

## MOLLUSKS

Mollusks and their practical significance; conference in Leningrad. I. M. Likharev. Vest. AN SSSR. 35 no. 5:110-111 My '65.

## MOLLUSKS—EXTIRPATION

Prophylaxis of fascioliasis in calves using molluscicides. V. V. Gonchov and others. Khim. v sel', khoz. 3 no. 5:64-65 My '65.

## MOLLUSKS—PARASITES see Parasites—Mollusks

MOLLUSKS, FOSSIL see subdivision under Caspian Sea region; Caucasus, Northern; Iori Valley, Kura Valley

## MOLTEN METALS see Liquid metals

## MOLYBDENUM

Comparative study of ionium and molybdenum sorption on certain strongly basic anion exchangers. D. S. Galbakhin, M. V. Dorbinian. Izv. AN Arm. SSR, Khim. nauk. 17 no. 6:631-635 '64.

Reaction of compounds of the sixth group of elements with mercury. Part I: Molybdenum. T. G. Pikhval'tova, E. F. Speranskaya. Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:11-16 '65.

## MOLYBDENUM—EFFECT ON PLANTS see Plants, Effect of molybdenum on

## MOLYBDENUM—METALLURGY

Performance of electrostatic filters with gases from the roasting of molybdenum concentrates. I. L. Pelsanikov, P. I. Voskresenski. Sbor. nauch. trud. Gintsvetmeta no. 9:23-27 '65.

## MOLYBDENUM COMPOUNDS—SPECTRA

Reduced phosphoromolybdenic complex. V. F. Balakovskii, M. I. Zaboova. Zhur. neorg. khim. 10 no. 4:900-905 Ap '65.

## MOLYBDENUM—IRON ALLOYS see Iron-molybdenum alloys

## MOLYBDENUM ORES

Oxidation zone of the Paragachay copper-molybdenum deposit. O. D. Kadyrov. Izv. AN Azerb. SSR, Ser. geol.-geog. 1:45-47 '64.

## MOLYBDENUM SULFIDES

Dehydrogenation of n-hexane on molybdenum-sulfide catalysts. R. I. Polatko and others. Neft. i gaz. prom. no. 2:53-54 Ap-Je '65.

## MONEY

(see also subdivision under Germany, West; Moscow Province; Underdeveloped Areas)

About an erroneous concept. G. Kagarov. Den. i kred. 23 no. 6:42-45 Je '65.

Economic work on currency circulation should be equal to the new tasks. Den. i kred. 23 no. 6:93-94 Je '65.

Some problems of currency circulation under the conditions of the large-scale building of communism. V. Vorob'ev. Den. i kred. 23 no. 6:3-9 Je '65.

## MONEY—CONGRESSES

Problems of currency circulation. Den. i kred. 23 no. 6:72-77 Je '65.

## MONGOLIA—BIBLIOGRAPHY

New works on the bibliography of Mongolia. N. F. Shastina. Nar. Az. i Afr. no. 3:179-187 '65.

## MONGOLIA—COMMUNICABLE DISEASES

Scientific studies on infectious pathology in the Mongolian Peoples Republic, a review. M. P. Kozlov, G. Ochirvan'. Zhur. mikrobiol., epid. i immun. 42 no. 1:82-83 Ja '65.

## MONGOLIA—FALCONS

Mongolian eagle and the taxonomic position of the Altai gy falcon. G. P. Dement'ev, A. Shagdarbaev. Sbor. trud. Zool. muz. MGU. 9:3-37 '65.

## MONGOLIA—FAMILY

Banchikov, G. G. [Marriage and family among the Mongols.] Brak i sem'ia u mongolov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964, 59 p.

## MONGOLIA—LEAF BEETLES

Galeruca daurica Joann. in the steppes of Mongolia. B. G. Shurovenkov. Zhur. zhur. 44 no. 5:775-776 '65.

## MONGOLIA—PERLITE (MINERAL)

Bleated perlite in Mongolia. D. Maidar, A. Krupa. Stroim. 11 no. 1:37-39 Ja '65.

## MONGOLIA—VALLEYS

Origin of ancient valleys in the beds of the Late Mesozoic depressions in the Mongolia-Okhotsk belt. I. A. M. Kisilakov. Geotektonika no. 3:99-103 My-Je '65.

## MONGOLS—MARRIAGE CUSTOMS AND RITES

Banchikov, G. G. [Marriage and family among the Mongols.] Brak i sem'ia u mongolov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964, 59 p.

## MONILIASIS

Candidiasis consecutive to the use of antibiotics. I. S. Popov and others. Vest. derm. i ven. 38 no. 6:37-40 Je '64.

## MONOMERS

Mechanical synthesis in the medium of crystallized monomers. N. K. Barambolu, H. S. Simakov. Nauch. trudy MTILP no. 30:188-191 '64.

## MONOMYCIN

Experimental chemotherapeutic study of the antibiotics monomycin and sekazin. V. D. Nosina. Med. paraz. i paraz. bol. 33 no. 6:671-675 N-D '64.

## MONOPOLIES see subdivision under United States

## MONOSACCHARIDES

Glycopeptides. Report No. 9: Synthesis of O-aminoacyl derivatives of some monosaccharides. N. K. Kochetkov, V. A. Derevitskaya, L. M. Likhoshervetov. Izv. AN SSSR. Ser. khim. no. 6:1045-1051 '65.

## MONZONITES see subdivision under Saksagan' Valley

## MOON—TEMPERATURE AND RADIATION

Microwave observation of lunar radio emissions. S. A. Kamenskaya and others. Izv. vys. ucheb. zav., radiofiz. 8 no. 2:19-23 '65.

## MOOSE—DISEASES AND PESTS

Foot-and-mouth disease in moose under experimental conditions. S. I. Dzhuupina, A. A. Sviridov. Veterinarin. 42 no. 5:47-48 My '65.

## MORAL EDUCATION

The man who stands on armour. M. Mal'tseva. Doshk. vosp. 38 no. 5:42-45 My '65.

Training of children's emotions. I. Bardzholian. Doshk. vosp. 38 no. 4:117-120 Ap '65.

Training of group feeling. G. M. Romanov. Nach. shkola. 33 no. 6:93-94 My '65.

## MORAL EDUCATION—BIBLIOGRAPHY see Bibliography—Moral education

## MORDOVIA—AGRICULTURE—ECONOMIC ASPECTS

[Rural party committee in action] Sel'skii partkom del'stvet. Saransk, Mordovskoe knizhnoe izd-vo, 1964, 118 p. (CS-H)

## MORDOVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

[Rural party committee in action] Sel'skii partkom del'stvet. Saransk, Mordovskoe knizhnoe izd-vo, 1964, 118 p. (CS-H)

## MORDOVIA—CONCRETE PILING

Pile foundations for construction objects in Mordovia. V. I. Denisov. Uch. zap. Mord. gos. un. no. 15 pt. 2: 3-11 '63.

## MORDOVIA—WOMEN

Ezhova, V. P., V. I. Lopalova, and N. N. Slashtukhin. [Women of the Soviet Mordovia] Zhenzhelny Sovetskoi Mordovii. Saransk, Mordovskoe knizhnoe izd-vo, 1964, 172 p. (CS-H)

MORDVINIAN A. S. S. R. see Mordovia

## MORDVINOV, NIKOLAI EGOROVICH, 1906-

Kunacy, N. P. [Works of N. E. Mordvinov] Tvorchestvo N. E. Mordvinova. Iakutsk, Iakutskoe knizhnoe izd-vo, 1964, 175 p. (NNC)

## MORPHOGENESIS

New advances in studying biosynthesis of proteins and molecular mechanisms of morphogenesis. Zh. A. Medvedev. Usp. sovr. biol. 59 no. 3:333-353 My-Je '65.

## MORTAR

Pressure accumulators for mortar pumps. V. I. Glukhin, L. K. Sokolov. Mekh. stol. 22 no. 2:30 F '65.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for preparing and using mortar] Ukazania po prigotovleniu i primeneniiu stroitel'nykh rasstvorov (SN 290-64). Izd. ofitsial'noe. Stroitelzai, 1965, 75 p.

## MOSAIC DISEASE

(see also subdivision under Ukraine) Virus is transferred by seeds. A. Soboleva. Zashch. rast. ot vied. i bol. 10 no. 5:59 '65.

## MOSAICS

Production of mosaic ceramic tiles. A. E. Rabinovich. Stek. i ker. 22 no. 6:34 Je '65.

## MOSCOW—AMATEUR THEATRICALS

And we laugh. Na. Balatova. Teatr. 26 no. 4:128-129 Ap '65.

Applause and pretensions. I. Sidorina, M. Korobina. Teatr. 26 no. 6:134-137 Je '65.

Clear view of life. M. Kikimenova. Teatr. 26 no. 4: 126-127 Ap '65.

Performance of young people. E. Uvarova. Teatr. 26 no. 4:129 Ap '65.

## MOSCOW—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

New multistory large-panel apartment houses. IU. Dykhovichnyi. Na st. i Ros. 6 no. 6:20-21 Je '65.

## MOSCOW—ART—EXHIBITIONS

In one's own voice. N. Zhegin. Teatr. 26 no. 3:110-111 Mr '65.

"Soviet Russia." Iskusstvo. 28 no. 4:2-5 '65.

## MOSCOW—ART, AFGHAN—EXHIBITIONS

Afghanistan and its artists. B. Veimarn. Iskusstvo. 28 no. 3:40-44 '65.

## MOSCOW—ART GALLERIES AND MUSEUMS

Pisarskaya, L. V. [Monuments of Byzantine art from the 5th to the 15th century in the State Armory Museum] Pamiatniki vizantijskogo iskusstva V-XV vekov v Gosudarstvennoi Oruzheinoi palate. Leningrad, Sovetskii khudozhnik, [1964] 102 p. chiefly illus. (Muzel Moskovskogo Kremli)

## MOSCOW—BAPTISTS

Divine service meeting at the Moscow Church of Evangelical Christians and Baptists. V. Trubina. Brat. vest. no. 6:44-49 '64.

Harvest feast at the Moscow Church of Evangelical Christians and Baptists. S. P. Fadukhin. Brat. vest. no. 6:54-58 '64.

## MOSCOW—BEARING INDUSTRY—MANAGEMENT

Conductor of an unusual orchestra. A. Derbisheva. NTO. 7 no. 5:25-26 My '65.

## MOSCOW—BOOKSELLERS AND BOOKSELLING

Advantages and prospects of specialization. S. Polivanovskii. Knizh. torg. 16 no. 3:6-9 Mr '65.

For a high quality of bookselling. Knizh. torg. 16 no. 3: 17-19 Mr '65.

## MOSCOW—BUILDING

New design features and the reconstruction of the capital. G. Fomin. Na st. i Ros. 6 no. 6:16-18 Je '65.

## MOSCOW—BUILDINGS—DESIGN AND CONSTRUCTION

Discussion of designs for new multistory buildings in Moscow. Arkhit. SSSR no. 4:15-19 '65.

## MOSCOW—CHAMBER ORCHESTRA

New items on concert programs. Dmitrii Blagoi. Sov. muz. 29 no. 3:93-94 Mr '65.

## MOSCOW—CITY PLANNING

Great city planning experiment. G. Badanov. Na st. i Ros. 6 no. 6:18-20 Je '65.

## MOSCOW—COMMUNIST YOUTH LEAGUE

Useful beginning. G. L. Teatr. 26 no. 1:12 Ja '65.

## MOSCOW—COMMUNISTS

Kurskaya, A. S. [Past experiences] Perezhitoe. [Moskva, Moskovskii rabochii, 1965, 258 p.

## MOSCOW—CONCERTS

New items on programs. G. Udin. Sov. muz. 29 no. 5: 69-70 My '65.

## MOSCOW—COURTS

Raise the instructive role of the assize sessions of courts. P. Lukarov. *Sots. zakon*, 42 no. 6, 56-57 Je '65.

## MOSCOW—CREDIT

Bank loans for new equipment. TS. Zhitomirskaya. *Den. i kred.* 23 no. 6 60-61 Je '65.

## MOSCOW—DRAMA FESTIVALS

Russian winter. V. Iol's. *Featr* -6 no. 100-101 Ap '65.

## MOSCOW—ELECTRIC LAMPS—RELIABILITY

Program of our actions. R. Nilenov. *NTO* 7 no. 5 18-19 My '65.

## MOSCOW—ELECTRIC WIRE AND CABLE INDUSTRY

[High voltage] Vysokoe napriazhenie. [Moskva] Profizdat, 1962, 310 p. (CS-11)

## MOSCOW—ELECTRONIC DATA PROCESSING—AUTO-MOBILE INDUSTRY

Nazarov, V. V., and Z. V. Alferova. [Programming economic problems on electronic computers, from practices in using the "Era" computer in the I. A. Likhachev Automobile Plant] Programirovaniye ekonomicheskikh zadach na elektronno-yuchislitel'nykh mashinakh, iz opyta ekspluatatsii mashiny "Era" na avtozavode im. I. A. Likhacheva. Moskva, Mashinostroenie, 1965 156 p.

## MOSCOW—ELEVATORS

Use of passenger elevators in the Moscow subway. M. M. Goltovskiy, M. I. Akushkin. *Gor. khoz. Mosk.* 39 no. 4 18-19 Ap '65.

## MOSCOW—EMERGENCY MEDICAL SERVICES

Methods and some results of the use of anesthesia for the prevention and treatment of traumatic shock under work conditions of the antishock teams of the first medical station on the city of Moscow. G. P. Ambal'ello and others. *Trudy Inst. im. N. V. Sklif.* 9 249-254 '63.

## MOSCOW—ESCALATORS

Escalators of the Moscow subway. S. V. Kossakovskiy. *Gor. khoz. Mosk.* 39 no. 4 37 Ap '65.

## MOSCOW—EXHIBITIONS

Display at the Exhibition of the Achievements of the National Economy of new equipment for the protection of pipelines against electrolytic corrosion. V. I. Glazko. *V. G. Kotly. Zashch. met.* 1 no. 2 43 Mr. Ap '65.

Passenger transportation at the Exhibition of Achievements of the National Economy of the U. S. S. R. in 1965. V. I. Gurev, A. G. Gurev. *Mor. flit.* 25 no. 4 36-38 Ap '65.

New progressive methods in everyday life at the pavilion "Electrification of the U. S. S. R." of the Exhibition of the Achievements of the National Economy of the U. S. S. R. in N. Borovitskiy. *Energetik* 13 no. 4 29-30 Ap '65. Useful initiative. V. F. Zikeeva, Doshk. *zasp.* 38 no. 5 5 My '65.

Welding equipment at the Exhibition of the Achievements of the National Economy of the U. S. S. R. in 1964. K. I. Boeva. *Star. prozv.* no. 4 42-45 Ap '65.

## MOSCOW—FAIRS

Business fairs and the production of goods. V. Klimenko. *Sov. torg.* 38 no. 3 21-23 My '65.

## MOSCOW—FIREMEN

Moscow, a city on the front line. V. Semenov. *Pozh. delo* no. 5 3-4 My '65.

## MOSCOW—FLOWERS

Flowers for the people of Moscow. N. F. Anfilov. *Gor. khoz. Mosk.* 39 no. 5 22-24 My '65.

## MOSCOW—FURNITURE INDUSTRY

Important task of workers of the furniture industry. V. M. Kisin. *Der. prom.* 14 no. 5 1-3 My '65.

Produce more furniture of highest quality. S. Chumakov. *NTO* 7 no. 5 23-24 My '65.

## MOSCOW—GAS INDUSTRY

Centennial of the gas industry of Moscow. A. D. Isaev. *Gar. prom.* 10 no. 6 13-17 '65.

Centennial of the Moscow gasworks. M. D. Berezin. *Gar. prom.* 10 no. 6 17-18 '65.

## MOSCOW—GRAPHIC ARTS, SWEDISH—EXHIBITIONS

Contemporary graphic arts of Sweden. A. Zaitsev. *Izskusstvo* 28 no. 3 36-39 '65.

## MOSCOW—HOUSING

Muscovites set the course. G. Poryvai. *Zhil.-kom. khoz.* 15 no. 1 22 Ja '65.

## MOSCOW—INDUSTRIAL HYGIENE

"Health factory" at a plant. B. M. Malkin. *Teor. i prakt. fiz. kul't.* 27 no. 3 69-71 Mr '65.

## MOSCOW—KINDERGARTENS

Lenin's grandchildren live here. N. Kochenov. *Zhil.-kom. khoz.* 15 no. 4 8 Ap '65.

## MOSCOW—LANDSCAPE GARDENING

Economics of landscaping residential areas. I. B. Khromov. *Gor. khoz. Mosk.* 39 no. 5 20-21 My '65. Five-year plan for landscape gardening in Moscow. K. F. Kashliskiy. *Gor. khoz. Mosk.* 39 no. 5 18-19 My '65.

Landscape gardening in the capital. P. P. Volkov. *Gor. khoz. Mosk.* 39 no. 5 16-18 My '65.

## MOSCOW—MATHEMATICAL SOCIETIES

Abstracts of papers accepted for publication by the Moscow Mathematical Society. *Usp. mat. nauk* 20 no. 3 237-250 My-Je '65.

Address delivered at the jubilee meeting of the Moscow Mathematical Society. L. A. Luvsternik. *Usp. mat. nauk* 20 no. 3 21-30 My-Je '65.

Meetings of the Moscow Mathematical Society. *Usp. mat. nauk* 20 no. 3 235-236 My-Je '65.

The Moscow Mathematical Society during the past third of a century. A. G. Kuosh. *Usp. mat. nauk* 20 no. 3 10-18 My-Je '65.

The Moscow Mathematical Society in the period 1910-1950. D. F. Men'shov. *Usp. mat. nauk* 20 no. 3 19-20 My-Je '65.

Opening address delivered at the grand meeting of the Moscow Mathematical Society on October 20, 1964. P. S. Aleksandrov. *Usp. mat. nauk* 20 no. 3 1-9 My-Je '65.

## MOSCOW—MILITARY MUSEUMS

Relics of combat glory. N. Nemirov. *Voen.-isl. zhur.* 7 no. 5 120-124 My '65.

## MOSCOW—MOTION-PICTURE FESTIVALS

Moscow Motion Picture Festival. K. Ognev. *Nov. vrem.* 23 no. 27 18 Ji '65.

Reflections on the Motion-Picture Festival: a report. V. Rozen. *Nov. vrem.* 23 no. 29 21-22 Ji '65.

## MOSCOW—MOTION-PICTURE STUDIOS

Acoustics in the new dubbing department of the Mosfilm Studio. S. A. Zinger. *Tekh. kino i telev.* 9 no. 6 37-61 Je '65.

Production and economic conference in the "Mosfilm" studio. *Tekh. kino i telev.* 9 no. 4 91 Ap '65.

## MOSCOW—MUSIC FESTIVALS

Russian winter. V. Iol's. *Teatr* 26 no. 1 100-101 Ap '65.

## MOSCOW—MUSIC HALLS (VARIETY THEATERS, CARBARETS, ETC.)

Love and fashion. A. Asarkan. *Teatr* 26 no. 3 133-137 Mr '65.

## MOSCOW—OPERA

After two centuries. D. Manzoni. *Sov. muz.* 29 no. 3 133-135 Mr '65.

The Bolshoi Theater in Milan. M. Chulaki and others. *Sov. muz.* 29 no. 3 124-132 Mr '65.

"October" at the Bolshoi. Evg. Ivanova. *Sov. muz.* 29 no. 3 18-21 Mr '65.

## MOSCOW—PALEONTOLOGICAL SOCIETIES

Paleontological Section of the Moscow Naturalists' Society in 1961. O. V. Amilov. *Paleont. zhur.* no. 2 151-153 '65.

## MOSCOW—PARKS

Woodland park management. I. M. Sokolov. *Gor. khoz. Mosk.* 39 no. 5 20-30 My '65.

## MOSCOW—PRECIOUS METALS

Bank loans for new equipment. TS. Zhitomirskaya. *Den. i kred.* 23 no. 6 60-61 Je '65.

## MOSCOW—PSYCHOLOGICAL SOCIETIES

Work at the Moscow Section of the Society of Psychologists in 1950-1964. A. V. Zaporozhets, E. A. Parapova. *Vop. psikhol.* 11 no. 2 189-190 Mr-Apr '65.

## MOSCOW—PUNCHED CARD SYSTEMS—TOOL AND DIE INDUSTRY

Using the EV80-3 electronic computer in accounting for the expenditure of materials. V. Liberman, F. Ivan'es. *Bukh. uch.* 22 no. 2 7-12 F '65.

## MOSCOW—RADIO STATIONS

Half a century of one of the oldest radio stations. V. M. Timofeev. *Vest. svyazi* 25 no. 2 28-32 F '65.

## MOSCOW—RAILROAD ENGINEERING—STUDY AND TEACHING

Russia (1923- U. S. S. R.) Ministerstvo puti soobscheniya. [Moscow Order of Lenin and Order of the Red Banner of Labor Institute of Railroad Transportation Engineers] Moskovskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni Institut inzhenerov zheleznodorozhnogo transporta. Moskva, 1963, 43 p. illus.

## MOSCOW—REINFORCED CONCRETE CONSTRUCTION

Pavilion for the "Construction" Section of the Exhibition of Achievements of the National Economy of the U. S. S. R. N. V. Nikitin. *Ref. i zhef.-bet.* 11 no. 4 27-28 Ap '65.

## MOSCOW—SALMONELLA

Characteristics of Salmonella isolated in Leningrad. District of Moscow in 1961-1963. N. I. Ilyukhin and others. *Zhur. mikrobiol. epid. i immunit.* 12 no. 4 135 Mr '65.

## MOSCOW—SLAVIC STUDIES

In the Department of the History of Western and Eastern Slavs of Moscow University. N. K. Bogdanov. *Sov. slav.* no. 2 107-108 '65.

## MOSCOW—STREETS

Principal tasks of improving public areas and streets in the city during the summer. D. I. Ponomarev. *Gor. khoz. Mosk.* 39 no. 5 10-11 My '65.

## MOSCOW—STREETS—COST OF CONSTRUCTION

Cost of street construction. M. V. Derzhavskiy. *Star. prozv.* Mosk. 39 no. 5 11-16 My '65.

## MOSCOW—SUBWAYS

Automation and communication. A. A. Zhitomirskiy, M. M. Goltovskiy. *Gor. khoz. Mosk.* 39 no. 4 11-14 Ap '65. Best people working for the Moscow subway. A. I. Bogdanov. *Gor. khoz. Mosk.* 39 no. 4 15 Ap '65.

Construction of a new section of the Moscow subway. N. F. Kuznetsov. *Tranp. stroit.* 15 no. 1 11-16 Ap '65.

Developing automatic control of trains. M. L. Semeralkin. *Gor. khoz. Mosk.* 39 no. 4 12-14 Ap '65.

Development of the technique of building the Moscow subway. V. D. Polezhaev. *Gor. khoz. Mosk.* 39 no. 4 11-14 Ap '65.

Economics and passenger traffic of the subway. A. I. Lisovskiy, B. S. Koganov. *Gor. khoz. Mosk.* 39 no. 4 11-14 Ap '65.

Escalators of the Moscow subway. S. N. Kozlov. *Gor. khoz. Mosk.* 39 no. 4 37 Ap '65.

In the new sections of the Moscow subway. *Gor. khoz. Mosk.* 39 no. 4 16-17 Ap '65.

It is necessary to have a new passenger information system for the subway schedules. A. I. Ponomarev. *Gor. khoz. Mosk.* 39 no. 4 22-23 Ap '65.

Maintenance of installations. A. I. Babakhanov. *Gor. khoz. Mosk.* 39 no. 4 34-36 Ap '65.

More on the subway in the outlying districts. M. S. Malkov. *Gor. khoz. Mosk.* 39 no. 4 21-23 Ap '65.

Prospects for the improvement of rolling stock. V. P. Rogozhin. *Gor. khoz. Mosk.* 39 no. 1 29-31 Ap '65.

Sanitary engineering devices. T. N. Mal'chukova. *Gor. khoz. Mosk.* 39 no. 4 41-42 Ap '65.

Subway and suburban railroads. E. N. Brokha. *Gor. khoz. Mosk.* 39 no. 4 20-21 Ap '65.

Track work. G. I. Razin. *Gor. khoz. Mosk.* 39 no. 4 3-4 Ap '65.

Train traffic and passenger service. N. A. Karpov. *Gor. khoz. Mosk.* 39 no. 4 24-25 Ap '65.

Underground roads of the capital. A. I. Ponomarev. *Gor. khoz. Mosk.* 39 no. 4 10-11 Ap '65.

Use of passenger elevators in the Moscow subway. M. M. Goltovskiy, M. I. Akushkin. *Gor. khoz. Mosk.* 39 no. 4 18-19 Ap '65.

## MOSCOW—SUBWAYS—CURRENT SUPPLY

Improvement in the power supply system. E. I. Bykov, L. B. Krotov. *Gor. khoz. Mosk.* 39 no. 4 3-4 Ap '65.

## MOSCOW—SUBWAYS—SUBSTATIONS

Centralized repair of electric equipment. A. G. Goltovskiy, M. G. Khramov, N. K. Kuznetsov. *Gor. khoz. Mosk.* 39 no. 4 42-44 Ap '65.

## MOSCOW—TABLES

Standardization of parts for dining tables at the Moscow Factory. M. A. Sukhanov. *Der. prom.* 14 no. 2 21-22 F '65.

## MOSCOW—TECHNICAL EDUCATION

Experience in the teaching of the course in industrial design in the Bauman Higher Technical School. V. Butusov. *Tekh. ust.* no. 5 16-17 My '65.

## MOSCOW—TECHNICAL LIBRARIES

Centennial of the Central Technical Library. A. A. Sov. bibli. no. 6 61-63 '64.

## MOSCOW—TECHNOLOGY—INFORMATION SERVICE

Organization of single-purpose selection of information materials: practices of the Moscow Small Car Plant. V. A. Sadovnikov. *NTI* no. 3 6-11 '65.

## MOSCOW—TEXTILE INDUSTRY

Labor turnover and ways to overcome it in industry. V. I. Pozdnyakov. *Vest. Mosk. un. Ser. 8: Izh. i st.* 29 no. 2 73-77 Mr-Apr '65.

## MOSCOW—TEXTILE INDUSTRY—EXHIBITIONS

In the land of fabrics. V. Grachev. *Sov. torg.* 38 no. 3 36-37 Mr '65.

## MOSCOW—THEATER

After the New York tour. *Teatr* 26 no. 6 109-111 Ju '65.

1000

## MOTION PICTURES

(see also subdivision under Bulgaria)

Freilich, S. I. [Motion pictures and the years, development of Freilich in the art of motion pictures] Fil'my i teat'r, realizm i kinoizustvie. [Moskva, Izdatel'stvo, 1954. 369 p. (MCC)]

Feilich, S. I. [The organization committee of the 1st All-Union Congress of Cinematography Representatives of the USSR] Tekhn. kino i telev. 9 no. 6:1-2 Je '65

## MOTION PICTURES—ABSTRACTS

Abstracts. Tekhn. kino i telev. 9 no. 4:77-90 Ap '65, 5:1-12 Je '65, 6:78-88 Je '65

## MOTION PICTURES—DICTIONARIES

Akademiya nauk Azerbaidzhan'skoi SSR, Baku, Terminologicheskii komitet. [Dictionary of photography and cinematography terminology] Slovar' fotograficheskikh i kinematograficheskikh terminov. Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR, 1965. 109 p. [In Russian and Azeri ujanli]

## MOTION PICTURES—EQUIPMENT AND SUPPLIES

Characteristics of electric motors for motion-picture equipment with current supply from transistorized converter converters. E. I. Ushakov. L. L. Hossodskii. Tekhn. kino i telev. 9 no. 3:19-21 Mr '65

## MOTION PICTURES—SPECIAL EFFECTS

Use of distorting glasses for the filming of special effects. I. A. I. Beliaev. Tekhn. kino i telev. 9 no. 3:54-58 Mr '65

## MOTION PICTURES—TECHNOLOGICAL INNOVATIONS

Use of the new achievements of science and technology in motion picture production. Tekhn. kino i telev. 9 no. 4:1-4 Ap '65

Results of the competition of efficiency promoters for the best proposal in the field of motion picture and television equipment. V. N. TSarev. Tekhn. kino i telev. 9 no. 3:59 Mr '65

## MOTION PICTURES, TALKING—EQUIPMENT AND SUPPLIES

Film magazines on the splices of 35 mm film sound tracks. V. V. Ogarov. Tekhn. kino i telev. 9 no. 6:5-10 Je '65

## MOTION PICTURES FOR CHILDREN

The children are waiting! Sov. muz. 29 no. 3:101-102 Mr '65

## MOTION PICTURES IN EDUCATION

For motion-picture screen as our friend and assistant. I. F. Ushakov. Tekhn. kino i telev. 9 no. 5:55-56 Ji '65

Motion pictures should be discussed. N. Goncharova. Tekhn. kino i telev. 9 no. 7:80-81 Ji '65

Our motion-picture library. V. A. Ivanov. Sred. spets. obr. 12 no. 2:46 F '65

Role of a motion-picture screen in the teaching of mathematics. V. I. Koveshnikov. Sred. spets. obr. 12 no. 3:3-7 Mr '65

## MOTION PICTURES IN SPORTS

Determining mistakes by means of motion pictures. V. R. Pevzner. Teor. i prakt. fiz. kul't. 28 no. 6:69-70 Je '65

## MOTION STUDY

Method of immediate information on the time and space parameters of movements during the technical training of gymnasts. M. L. Ukrain. IU A. Rukozov. Teor. i prakt. fiz. kul't. 28 no. 6:5-7 Je '65

## MOTOR FUELS

Agap'eva, G. M. [Improvement of motor fuels by the introduction of additives] Uluchshenie motornykh topliv vvedeniem prisadok. Moskva, Tekhn. 1964. 54 p. (Ozov inostrannykh patentov)

## MOTOR VEHICLE DRIVERS

Alone with one's conscience; the motto "Believe in man." Sov. profsoyuzy 21 no. 12:30-31 Je '65

Training specialists. Avi. transp. 43 no. 5:48-52 My '65

## MOTOR VEHICLES

Amelin, A. S., and V. F. Epifantsev. [Pocket handbook for a driver] Karmannyi spravochnik shofera. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1959. 463 p.

## MOTOR VEHICLES—DESIGN AND CONSTRUCTION see subdivision under Minsk

## MOTOR VEHICLES—ENGINES

Using the IAZ-238 V-engine for the KrAZ motor vehicles. L. Ryzhko. Avi. transp. 43 no. 2:33-35 F '65

## MOTOR VEHICLES—ENGINES (COMPRESSED GAS)

Finishing the turbocompressor for the D-70 engine. V. P. Sinenko, N. L. Zel'des, S. L. Levkovich. Mashinostroenie no. 2:100-102 Mr-Apr '65

## MOTOR VEHICLES—MAINTENANCE AND REPAIR

(see also subdivision under Uzbekistan; White Russia) Centralizing the maintenance of motor vehicles. A. Vorobei, A. Gal'tbur. Avi. transp. 43 no. 5:22-24 My '65

Defect-detection station. A. Garatin. Avi. transp. 43 no. 8:20-22 Je '65

Device for checking and straightening connecting rods. V. Kartsev. Avi. transp. 43 no. 6:11-12 Je '65

Equipment for washing and drying motorbuses and motortrucks. P. Bospalov and others. Avi. transp. 43 no. 6:10-18 Je '65

Exchange of experience. Avi. transp. 43 no. 2:50-51 F '65

Exchange of experience. Avi. transp. 43 no. 5:52-54 My '65

Maintenance under rural conditions. A. L. Litayn. Avi. transp. 43 no. 6:32 Je '65

Mobile motor-vehicle community. V. Zimbenko. Avi. transp. 43 no. 6:30-31 Je '65

... .. of the automotive ... .. tsil' proizvodstva tekhnicheskogo obsluzhivaniya i tekushchego remonta avtomobilei v avtokhozaiistvakh. Bd. 2. Moskva, Transport, 1965. 80 p. chart (inset)

New and advanced developments should be used in the mechanization of the maintenance and repair of motor vehicles. S. Shchupliakov. Avi. transp. 43 no. 6:1-2 Je '65

Present status and future development of the production of maintenance and repair equipment. A. Kolychev. Avi. transp. 43 no. 6:4-6 Je '65

Repair method by units and sections is in action. L. Shul'kin. Avi. transp. 43 no. 2:17-18 F '65

Stand for testing gas equipment. A. Gol'dshein, G. Tseitlin. Avi. transp. 43 no. 6:38 Je '65

Stands for repairing motor-vehicle engines. Avi. transp. 43 no. 6:1 Je '65

Ultrasonic unit for cleaning small parts. K. Blashkin. Avi. transp. 43 no. 6:36-37 Je '65

Unit method for the maintenance and repair of motor vehicles in specialized departments. V. Rubina. Avi. transp. 43 no. 6:8-10 Je '65

Ways for reducing labor consumption and expenses in the maintenance and repair of motor vehicles. N. Pankratov. Avi. transp. 43 no. 6:2-4 Je '65

## MOTOR VEHICLES—RADIATORS

Modernizing the automatic louver drive of the KRAZ motor vehicles. L. S. Ryzhko. Mashinostroenie no. 2:91-92 Mr-Apr '65

## MOTOR VEHICLES—TRANSMISSION DEVICES

Imbalance of the cardan shaft and its elimination. A. Alev. Avi. transp. 43 no. 5:33-38 My '65

## MOTOR VEHICLES—WHEELS

Stand for straightening wheel disks. M. Kharkovskii. Avi. transp. 43 no. 6:42 Je '65

## MOTORBUS LINES see subdivision under Ivanovo Province; White Russia

## MOTORBUS LINES—STATIONS see Motorbus terminals

## MOTORBUS TERMINALS

Combined terminals of the Lvov Railroad. G. I. Bogdanovich. Zhel. dor. transp. 47 no. 6:18-20 Je '65

What are the guiding principles in the construction of motorbus stations and terminals. Avi. transp. 43 no. 5:19-21 My '65

## MOTORBUSES—MAINTENANCE AND REPAIR

Automatic unit for motorbus washing. Avi. transp. 43 no. 6:18-19 Je '65

## MOTORBUSES—PNEUMATIC EQUIPMENT

Pneumatic system of the LAZ-699A motorbus. H. Akopian, E. Gomma, A. Stalinskii. Avi. transp. 43 no. 5:44-46 My '65

## MOTORCYCLES—DESIGN AND CONSTRUCTION

Finishing and decoration of motorcycles and bicycles. B. Rubinshtein. Tekhn. est. no. 5:22-23 My '65

## MOTORTRUCKS

Characteristics of the operation of the ZIL-130 and GAZ-53 motortrucks. I. Ermankov, IU. Kravtsov. Tekhn. v sel'khoz. 25 no. 5:97-99 My '65

The new GAZ-66 motortruck. S. Mikhailov, R. Zavorotnyl. Avi. transp. 43 no. 2:28-33 F '65

## MOTORTRUCKS—BRAKES

Devices for automatic control of gaps between brake shoes and brake drums of motortrucks. I. I. Gudin, A. A. Filimonov. Mashinostroenie no. 2:90 Mr-Apr '65

## MOTORTRUCKS—COLD WEATHER OPERATION

Characteristics of starting motor-vehicle engines under conditions of low temperatures. N. P. Protopenov. Trud STI 33:44-53 '62

Prestartling heating of motor-vehicle engines in winter. N. P. Protopenov. Trudy STI 33:38-43 '62

## MOTORTRUCKS—DESIGN AND CONSTRUCTION

Ershov, B. V., and M. V. Zalevskiy. [ZIL-130 motor-trucks; basic model and its modifications. Avi. transp. motortruck designs] Gruzovye avtomobily ZIL, IZIS, i novinnia model' i ee modifikatsii. AVtomobil'skoe avtomobilnoye Moskva, Kolos, 1965. 60 p.

## MOTORTRUCKS—DYNAMICS

Analysis of the skidding of the driving wheels of trucks. L. M. Kopelevich. Trudy STI 33:105-109 '62

Experimental study of the skidding of the MVA-1 logging truck. L. M. Kopelevich. Trudy STI 33:105-109 '62

## MOTORTRUCKS—LUBRICATION

Repairing oil pumps of motortrucks and trucks. A. Zhironov. Tekhn. v sel'khoz. 25 no. 5:61-63 Je '65

## MOTORTRUCKS—MAINTENANCE AND REPAIR

Jet unit for washing motortrucks. S. G. Gerasimov. Avi. transp. 43 no. 6:12-13 Je '65

Maintenance and repair of the GAZ-53 motor truck. I. A. Gubin. Avi. transp. 43 no. 2:10-20 F '65

Selecting the type of hard alloy and geometric parameters of a cutter for grinding of metal hard tools by high-speed electrodes. O. A. Likhov. Tekhn. v sel'khoz. 25 no. 3:38-41 '61

Some results of studying the process of hulling of grain with a weaving machine. A. I. Shovchenko. Tekhn. v sel'khoz. 25 no. 6:61-67 '61

## MOTORTRUCKS—TIRES

Stand for dismantling motortruck tires. L. A. ... Avi. transp. 43 no. 6:54 Je '65

## MOUNDS see subdivision under Chernyakhovsk (Ukraine); Khovogod Province

## MOUNTAINS see subdivision under Novol'insk (Ukraine)

## MOUTH—CANCER

Regional chemotherapy of tumors of the maxilla, tongue and the pharynx by the carotid method. Infusion method. D. A. Kazanovskii. Vopr. onk. 12:42-47 '65

## MOUTH—DISEASES

Respublikane mokholino-medicinska stomatologiya i ... [Diseases of the oral cavity and their prophylaxis] ... nos otnosim organu ushlagimni i ... profilaktika ... nus, Loidykh "Mintia," 1965. 30 p. [In Lithuanian] (DNLM)

## MOVEMENT (PHYSIOLOGY)

Interaction of the visual and motor analysis in the regulation of motor reactions. V. Chayev. Sov. med. nerv. delat. 14 no. 6:660-671 N-J '64

Methodology of recording motor conditions of conditioned reflexes and their quantitative assessment. I. I. Tokarenko, I. M. Likhodolov. Vopr. med. nerv. delat. 15 no. 3:573-577 My-Ju '65

Problem of electrographic representations of ... movements. M. I. Ivanova, I. M. Tolyshev. Vopr. med. nerv. delat. 14 no. 6:647-653 N-J '64

Role of vision and musculoarticular sense in the reduction of passive movements (flexion of the elbow joint). N. Z. Obukhova, I. A. Romanov. Vopr. med. nerv. delat. 14 no. 6:653-656 N-J '64

## MOVEMENT DISORDERS

Clinical characteristics of disorders of the motor analyzer in vascular foci of the right hemisphere of the brain. G. P. Gubina. Zhur. nerv. i psikh. 84 no. 11:1018-1025 '64

## MUGODZHAR HILLS—GREENSTONE

Studying the greenstone zones of the Mugodzharskii A. A. Abdulin. Izv. AN Kazakh SSR Ser. geol. 12 no. 1:3-7 Ja-I '65

## MUKACHEVO DISTRICT—FURNITURE INDUSTRY

Practices in wood polishing by abrasive wheels at the Mukachevo Furniture Combines. A. I. Aizel'skiy and others. Bum. i der. prom. no. 2:26-28 Ap-Ju '65

## MULLETS, RED see Red mullets

## MULTIPLE NEURITIS see Neuritis, Multiple

## MULTIPLE SCLEROSIS

Difficulties and errors in the diagnosis of multiple sclerosis. A. L. Leonovich. Sov. med. 28 no. 4:151-152 Ap '65

Glucocorticoid function of the adrenal cortex in patients with multiple sclerosis. G. V. Auranichuk. Izv. AN BSSR 9 no. 3:205-207 Mr '65

## MUNDAS

Ethnogenic ties between the Mundas people and the Kuravans of the "Mahabharata." B. A. Votchkov. Sov. etn. no. 3:105-108 My-Ju '61

## MUNICIPAL FINANCE

Ordinances of the executive committees of the district soviets of workers' deputies. V. I. Baryshev. Izv. Mosk. un. Ser. 10: Pravo 20 no. 1:21-27 Ja-Mr '63

## MUNICIPAL FINANCE (Continued)

Problems in methods of analyzing the use of the capital assets of communal enterprises. A. Fainberg. *Zhurnal khim. khoz.* 15 no. 1:22-23. Apr '65.

## MUNICIPAL ORDINANCES see Ordinances, Municipal

## MUNICIPAL SERVICES

(see also subdivision under Kaliningrad Province)  
Greater support and attention to public economic organizations. V. Dementev, V. Tikhonovich. *Zhurnal khim. khoz.* 15 no. 1:16, 21. Apr '65.  
Tens of thousands successes! *Zhurnal khim. khoz.* 15 no. 1:1. Jan '65.  
Twenty thousand suggestions and recommendations. I. Popov. *Zhurnal khim. khoz.* 15 no. 1:16. Jan '65.

## MURADELI, VANO, 1909-

"October" in Novosibirsk. V. Muradeli's opera presented in the Novosibirsk Academic Theater of Opera and Ballet. O. Aleksandrova. *Teatr* 26 no. 1:7-10. Apr '65.

## MURAMIDASE

Changes in the content of lysozyme in the saliva of rheumatic children under the effect of bicillin therapy. L. L. Avel'yanova, E. S. Fiedelman, I. B. Vol'man. *Antibiotiki* 10 no. 5:145-147. May '65.  
Lysozyme titer in patients with various otolaryngological diseases. T. V. Golosova and others. *Antibiotiki* 10 no. 5:147-150. May '65.  
Study of the reaction of carboxymethylation of lysozyme with iodocetic acid. N. A. Kravchenko, G. V. Klepina, G. D. Kaverzneva. *Biokhimiya* 30 no. 1:195-202. Jan '65.

## MURAV'EV, NIKOLAI NIKOLAEVICH, 1794-1866

*Zachetnik N. A.* [Mountains and stars, a documentary historical sketch] Gory i zvezdy, dokumental'naya istoricheskaya khronika. Moskva, Voen. izd-vo M-Va obshch. SSSR. 1965. 468 p.

## MURGAB OASIS--FEEDS

Improving the feed supply on the collective farms in the Murgab and Tedzhen Oases. M. A. Nikol'shchuk. *Izv. AN Turk. SSR, Ser. obsch. nauch.* no. 6:35-43. '64.

## MURGAB VALLEY--INSECTS, INJURIOUS AND BENEFICIAL

*Akademika nauk Turkmenistanskoi SSR, Ashkhabad, Institut zoologii i parazitologii, Sektor entomologii.* [Insects of the lower Murgab Valley (southeastern Turkmenia); fauna, ecology, economic significance] Nasekomye nizov'ii Murgaba (Ugo-Vostochnaya Turkmeniya), fauna, ekologiya, khозяйstvennoye znachenie. Ashkhabad, Turkmenistanskoe izd-vo, 1965. 145 p.

## MURON (VLADIMIR PROVINCE)--HISTORY--SOURCES

Kuz'min, A. G. [Ryazan chronicle writing; information from the chronicles on Ryazan and Muron up to the mid-16th century] Riazanskoe letopisanie, svodenie letopisei o Riazani i Murone do serediny XVI veka. Moskva, Nauka, 1965. 283 p.

## MUSCLE

Change in the form and size of actomyosin particles of striated muscles in ontogeny. G. P. Pinaev. *Biokhimiya* 30 no. 1:20-22. Jan '65.

## MUSCLE RELAXANTS

Regional muscle relaxation in surgery on the extremities. K. N. Lazareva. *Trudy Inst. im. N. V. Sklif.* 9:210-213. '63.

## MUSCLES

Development of the form and internal structure of some muscles during the prenatal period. L. I. Iuzanova. *Arkh. anat. gist. i embriol.* 48 no. 3:66-70. Mar '65.  
Electric activity of the respiratory musculature during changes in the gas content of the blood in patients under apparatus artificial respiration. M. D. Sidorovskaya. *Zhurnal. novykh psikh.* 64 no. 1:1603-1610. '64.  
Mitogenic irradiation of the neuromuscular system as a method for the analysis of molecular substrates and of the concept of excitability. A. A. Gutvich. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:30-40. '64.  
Study of the remnants of the human musculi peronei digitorum. A. Kanav. *Arkh. anat. gist. i embriol.* 48 no. 3:70-78. Mar '65.

## MUSCLES--INNERVATION

Relationship between ribonucleic acid dynamics and electric activity of the single stretch neuron of the crayfish muscle during excitation and inhibition. A. B. Kegan. S. L. Zingushin. *Zhurnal. evol. biokhim. i fiziol.* 1 no. 1:50-66. Jan '65.

## MUSCLES--MOTILITY

Correlation between depolarization and contraction in various skeletal muscles in mammals. E. K. Zhukov. *Fiziol. zhur.* 51 no. 8:653-662. Je '65.  
Effect of muscular activity and experimental training on the content and iodine number in lipids of rat tissues. I. G. Leshkevich. *Ukr. biokhim. zhur.* 36 no. 5:726-734. '64.  
Nature of protoplasmic changes responsible for the occurrence of cellular paralysis. P. V. Makarov. *Vest. LGU* 20 no. 9:80-94. '65.

Physiological characteristics of the musculus levator palpebrae. A. P. Marevskaya. *Fiziol. zhur.* 51 no. 6:741-748. Je '65.

Reciprocity of the steady polarizing potentials of the muscles in the muscle-stretching reflex in frogs. A. D. Pukhetakala, G. N. Sorokhtin. *Fiziol. zhur.* 51 no. 4:472-478. Apr '65.

## MUSCULAR ATROPHY see Atrophy, Muscular

## MUSCULAR DISTROPHY

Control of white muscle disease in ducklings and lambs on state farms in North Kazakhstan Province. S. K. Vankin. *Vest. sel'khoz. nauki Kazakh. S. S. S. R.* no. 2:35-39. F '65.

Course of white muscle disease in calves. K. N. Tagirov. *Veterinariya* 42 no. 6:82-83. Je '65.

Testing selenium in the prophylaxis and therapy of white muscle disease in animals. A. A. Kudriavtsev, M. N. Andreev, L. I. Ivanov, *Veterinariya* 42 no. 6:60-62. Je '65.

## MUSCULAR SENSE

Role of vision and musculoskeletal sense in the reproduction of passive movements (flexion of the arm in the elbow joint). N. Z. Obukhova, R. A. Roman. *Zhurnal. novykh psikh.* 64 no. 6:853-856. N-D '64.

## MUSCULOSKELETAL SYSTEM

Role of various skeletal muscles in chemical thermoregulation. K. P. Ivanov, D. A. Rashevskaya, N. A. Stepchuk. *Fiziol. zhur.* 51 no. 5:593-600. May '65.

MUSEUMS see subdivision under Latv Province; see also subdivision 'Art galleries and museums' under Leningrad; Moscow

## MUSIC

(see also subdivision under Prague)  
Brief news. *Sov. muz.* 20 no. 3:145-160. May '65.  
Brief news. *Sov. muz.* 20 no. 5:156-160. May '65.

## MUSIC--ACOUSTICS AND PHYSICS

'Musical-acoustic media'. A. A. Bann. *Vop. psikh.* 64 no. 2:168-169. Mar-Apr '65.

## MUSIC--BIBLIOGRAPHY see Bibliography--Music

## MUSIC--COMPETITIONS see subdivision under Riga

## MUSIC--DICTIONARIES

Pavlichenko, S. A. [For the amateur musician; a brief reference dictionary] Muzykantu - ljubitelu; korotkiy slovnyk-dovidnyk. Zhal'naya red. L. M. Revuts'kogo i M. V. Drembul'y. Kyiv, Mystetstvo, 1965. 187 p.

## MUSIC--HISTORY AND CRITICISM

Konen, V. [History of foreign music] Istoriya zarubezhnoy muzyki. 2., dop. izd. Moskva, Muzyka.  
No. 3. [Germany, Austria, Italy, France, and Poland from 1780 to the middle of the 19th century] Germaniya, Avstriya, Ital'ya, Frantsiya, i Pol'sha s 1780 goda do serediny XIX veka. 1965. 527 p.

Ryzhankina, T. A. [Let's go into the world of music] Volkno v mir muzyki. Moskva, Muzyka, 1964. 160 p. illus.

## MUSIC--INSTRUCTION AND STUDY

(see also subdivision under United States)  
Pedagogy, a vocation? M. Feigin. *Sov. muz.* 20 no. 5:103-105. May '65.  
[Problems of the methodology of teaching at a children's music school] Voprosy metodiki prepodavaniya v detskoi muzykal'noi shkole. Moskva, Muzyka, 1965. 122 p. (V pomoshchi pedagogu-muzykantu)

## MUSIC, AZERBAIJANI see subdivision under Donetsk

## MUSIC, INCIDENTAL

In the Ministry of Culture of the U.S.S.R. *Teatr* 26 no. 6:101. Je '65.

## MUSIC FESTIVALS see subdivision under Moscow; Poland; Vienna

## MUSIC LIBRARIES

Work with phonograph records in libraries abroad. M. P. Poznan'skaya. *Bibliotekoved. i bibl. za rub.* no. 14:70-88. '64.

## MUSICIANS--CORRESPONDENCE, REMINISCENCES, ETC.

From my autobiography. S. Lemeshev. *Sov. muz.* 20 no. 5:82-88. May '65.

## MUSICIANS, BURYAT

Buryat artists. G. Pollanovskii. *Sov. muz.* 20 no. 5:73. May '65.

## MUSICIANS, LATIN-AMERICAN

Guests from Latin America. P. Pichugin. *Sov. muz.* 20 no. 5:78-80. May '65.

## MUSKRATS

Desman and muskrat; ecological relationship of these species and their economic significance. L. P. Borodin. *Bull. MOIP, Old. biol.* 70 no. 1:20-32. Jan '65.

## MUSSELS

Effect of some inorganic poisons on respiration in *Mytilus galloprovincialis* L. A. Z. Shapiro. *Trudy SSSR* 17:334-341. '64.

## MUSSOLINI, BENITO, 1883-1945

Ovalin, Pavel. [The end of Mussolini's regime] Konec režima Mussolini. Moskva, Politizdat, 1965. 94 p.

The plot against Mussolini (conclusion). I. O. Dmitriev. *Vop. ist.* 40 no. 7:115-134. JI '65.

The plot against Mussolini (to be continued). I. O. Dmitriev. *Vop. ist.* 40 no. 6:128-139. Je '65.

## MUSTARD GAS

Study of the reaction of native and denaturated DNA with a chromophore derivative of nitrogen pyrite. T. M. Morozova, F. L. Gorel', R. I. Salganik. *Biokhimiya* 30 no. 1:67-73. Jan '65.

## MUTUAL ECONOMIC ASSISTANCE COUNCIL

Cooperation of the fraternal socialist countries in machine accounting. Bukh, uchel. 22 no. 2:80. F '65.

Feddeev, N. V. [Mutual Economic Assistance Council] Sovet ekonomicheskikh vzaimopomoshchi. Moscow, Ekonomika, 1964. 160 p. (CSH) (CSMR)

Further development and extension of the international socialist division of labor. M. Os'mova. *Komm. Ukr.* 38 no. 6:37-41. Je '65.

## MYASNIKOVSKY DISTRICT--STONE AGE

The late paleolithic sites in the Chul'sk Valley. I. S. Kamonetskiy. *Kraeved. zap. Tag. kraeved. muz.* no. 2:131-136. '64.

## MYASTHENIA GRAVIS

Clinical aspects and treatment of respiratory disorders in myasthenia. L. M. Popova, V. I. Dubrovskaya. *Zhurnal. novykh psikh.* 64 no. 11:1593-1602. '64.

## MYCELIUM

Study of the mechanism of the absorption of orthophosphate of the medium by the mycelium of *Penicillium chrysogenum*. I. S. Kulakov and others. *Biokhimiya* 40 no. 4:759-773. JI-Ag '64.

## MYCOBACTERIUM

Natural variations in the sensitivity to streptomycin and phthiazid in laboratory strains of mycobacteria. M. F. Kulikova. *Antibiotiki* 10 no. 5:455-466. May '65.

## MYCOBACTERIUM--CULTURES AND CULTURE MEDIA

Carotenoid pigments of mycobacteria and yeast. T. S. Bobkova. *Mikrobiologiya* 34 no. 2:273-277. Mar-Apr '65.

## MYCOBACTERIUM TUBERCULOSIS

Effect of sour milk antibiotics on *Mycobacterium tuberculosis*. V. A. Taraskin. *Veterinariya* 42 no. 6:84-85. Je '65.

## MYCOPLASMA

Histological diagnosis of Mycoplasma infection in poultry. V. A. Shubin. *Veterinariya* 41 no. 6:17-51. Je '64.

## MYCORRHIZA

Composition of hill-placed fertilizers for corn on gray forest-steppe soils and the development of mycorrhiza. G. I. Volkova, E. P. Krushcheva. *Trudy GSKH* 9:27-40. '66.

Development of mycorrhiza in wheat depending upon the cultivation practices. E. P. Krushcheva. *Trudy GSKH* 8:5-15. '65.

Mycotrophic nutrition of grasses. N. A. Dorokhova. *Bull. MOIP, Old. biol.* 70 no. 1:119-126. Jan '65.

## MYCOSIS

Case of fungoid mycosis of the lungs and skin in an infant. T. A. Tikhonova. *Vest. rent. i rad.* 40 no. 1:71-72. Jan '65.

Experience with the prevention of epidermophytosis in industrial plants. L. A. Shonmakh, I. U. Shimonov, A. S. Luk'yanova. *Vest. dermat. i ven.* 38 no. 6:86-89. Je '64.

Griseofulvin therapy of onychomycosis in a 2-month-old child. T. I. Bozanos. *Vest. dermat. i ven.* 38 no. 6:89. Je '64.

## MYOGLOBIN--OPTICAL PROPERTIES

Anomalous dispersion of optic activity of dolphin myoglobin and horse hemoglobin. M. V. Volkenshtein, A. K. Shemel'n. *Biokhimiya* 30 no. 1:148-152. Jan '65.

## MYONEURAL JUNCTION

Correlation between cellular potentials and physiological parameters of tissue. L. V. Latmanova. *Fiziol. zhur.* 51 no. 6:663-668. Je '65.

Nerve and muscle refractivity and effects of curare in dogs of various ages. T. A. Adzhimolayev, V. P. Prazdnikov. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:5-9. '64.

## MYOSINS

Effect of the oxidation products of catechol amines on the adenosinetriphosphatase activity of myosin. V. M. Danysev. *Ukr. biokhim. zhur.* 36 no. 5:711-717. '64.



## MYSLIVECEK, JOSEF, 1737-1781

Shagunian, M. S. [Resurrection from the dead, a tale about an investigation] Voskresenie iz mertvykh, povest' ob odnom issledovanii. Moskva, Khudozhestvennaya literatura, 1964. 408 p. illus., facsim. music.

(NN)

## MYXEDEMA

Combination of myxedema and hypertension. A. A. Fekina, A. I. Tregubov. Trudy Inst im N. V. Sklif 5 no. 2 221-223 '62

## MYXOVIRUSES

Early proteins of myxoviruses. A. G. Bukrinskaya, A. K. Gutelman, G. K. Vorkunova. Vop virus 9 no. 5 569-575 S-O '64.

## NAILS (ANATOMY)—DISEASES

Gristofulvin therapy of onychomycosis in a 2-month-old child. T. I. Bazarov. Vest. dermat. i ven. 38 no. 6 89 Je '64.

## NAKHICHEVAN A. S. S. R.—CROPS AND CLIMATE

Data on the transition of air temperature through 5' and 10' and the sum of temperatures in this period in the Nakhichevan A. S. S. R. P. S. Mirzoev. Izv. AN Azerb. SSR Ser. geol.-geog. nauk no. 5:117-124 '64.

## NAKHICHEVAN A. S. S. R.—FORAMINIFERA, FOSSIL

New species of the genus *Bolivina* in the Miocene sediments of the Nakhichevan A. S. S. R. M. T. Pronina. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 5:39-45 '64.

## NAKHICHEVAN A. S. S. R.—PIROPLASMOSIS, OVINE—PREVENTIVE INOCULATION

Immunization of sheep against babesiasis. A. A. Gasanov. Veterinarika 42 no. 8:55-58 Je '65.

## NAKHICHEVAN A. S. S. R.—SHEEP—PHYSIOLOGY

Characteristics of the postembryonal growth of muscles in Balbas sheep. N. M. Akhmedov. Izv. AN Azerb. SSR Ser. biol. nauk no. 6:33-42 '64.

## NAMES—TRANSLITERATION INTO RUSSIAN

Akademii nauk SSSR, Institut russkogoazyka. [Orthography of proper names] Ortografiia sobstvennykh imen. Moskva, Nauka, 1965. 145 p.

## NAMES, GEOGRAPHICAL—CONGRESSES

The First All-Union Conference on Toponymy. E. M. Pospelov. Izv. AN SSSR. Ser. geog. no. 3:142-145 My-Je '65.

## NAMES, GEOGRAPHICAL—SPANISH

Transcription of Spanish proper names into Russian; according to materials of toponymy and anthroponymy. G. I. A. Turover. Uch. zap. Kaf. perev. MGPIIA no. 2:108-121 '64.

## NAMES, PERSONAL—SLAVIC

Structure and classification of old East Slavic anthroponyms. R. Rospond. Vop. iaz. 14 no. 3:3-21 My-Je '65.

## NAMES, PERSONAL—SPANISH

Transcription of Spanish proper names into Russian; according to materials of toponymy and anthroponymy. G. I. A. Turover. Uch. zap. Kaf. perev. MGPIIA no. 2:108-121 '64.

## NAPHTHALAN

Naphthalan for treating tympanites in calves. B. M. Anokhin. Veterinarika 41 no. 6:78-80 Je '64.

## NAPHTHALENE

Chro. autographic analysis of the oxidation products of Tetralin. S. D. Saratova, V. A. Simanov, B. I. Golovanenko, Nefteper. i neftekhim. no. 1:23-26 '65. Condensation of 1- $\beta$ -acetoxyvinyl-6-methoxy-3,4-dihydronaphthalene with 2,4-dimethyl- $\Delta^2$ -cyclopentene-1,5-dione. L. I. Zaretskaya and others. Izv. AN SSSR. Ser. khim. no. 6:1051-1058 '65.

Condensation of 1-vinyl-6-methoxy-3,4-dihydronaphthalene with 2,4-dimethyl- $\Delta^2$ -cyclopentene-1,5-dione. L. I. Zaretskaya, T. I. Sorokina, L. V. Torgov. Izv. AN SSSR. Ser. khim. no. 6:1058-1061 '65.

Nature of the active component of vanadium oxide catalyst for naphthalene oxidation. V. I. A. Vol'fon and others. Kinet. i kat. 6 no. 1:162-166 Ja-F '65.

Preparation of high-purity organic substances. Report No. 1; Preparation of high-purity  $\alpha$ -nitronaphthalene. G. I. Mikhailov, E. S. Pankova, E. I. A. Arovenko. Trudy IREA no. 25:78-82 '63.

Synthesis of some  $\alpha$ -naphthyl derivatives of polonium. V. D. Nefedov and others. Radiokhimiya 7 no. 2:203-207 '65.

## NAPHTHALENEACETIC ACID

Use of the preparation potassium salt of naphthylacetic acid for reducing the preharvest dropping of apple fruits. A. F. Radziuk. Vest. AN BSSR. Ser. sel'khoz. nav. no. 4:52-57 '64.

## NAPHTHALENEDISULFONIC ACID

Synthesis of halo-substituted chromotropic acids and their azo compounds. V. I. Kuznetsov, N. N. Basargin. Zhur. ob. khim. 35 no. 5:878-883 My '65.

## NAPHTHALENE—SPECTRA

Infrared spectra of compounds of the 2-tetralone series. V. F. Shner, Zhur. ob. khim. 35 no. 6:977-979 Je '65.

## NAPHTHENIC ACIDS

Composition of compounds formed during the extraction of cobalt (II) by naphthenic acids. L. V. Shikheeva, Zhur. neorg. khim. 10 no. 6:1486-1489 Je '65.

## NAPHTHOL

Melting diagram of the ternary system urea -  $\alpha$ -naphthol -  $\beta$ -naphthol. A. G. Palobekov, A. G. Bergman, Zhur. ob. khim. 35 no. 5:765-768 My '65.

Melting diagram of the ternary system urea - hydroquinone -  $\alpha$ -naphthol. A. G. Palobekov, Zhur. ob. khim. 35 no. 6:939-941 Je '65.

Melting diagram of the ternary system urea - phenol -  $\alpha$ -naphthol. A. G. Palobekov, A. G. Bergman, Zhur. ob. khim. 35 no. 6:942-945 Je '65.

Reaction of benzaldehyde and urea with  $\beta$ -naphthol. V. P. Mamaev, V. M. Ignat'ev. Izv. AN SSSR. Ser. khim. no. 6:1107-1108 '65.

Urea distribution between hydroquinone and  $\beta$ -naphthol in the ternary system urea - hydroquinone -  $\beta$ -naphthol. A. G. Palobekov, A. G. Bergman, Zhur. ob. khim. 35 no. 6:945-949 Je '65.

## NAPHTHOLDISULFONIC ACID

Synthesis of 1-naphthol-3,6-disulfonic acid. E. D. Koneva, A. N. Evdokimov. Skopinski. Zhur. VIKHO 10 no. 2:239 '65.

## NARCISSUS—VARIETIES see subdivision under Michurinsk

## NARCOTICS

Study on neurophysiological mechanisms of the selective action of narcotics. E. M. Nabil'. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:66-67 '64.

## NARCOTICS—PHYSIOLOGICAL EFFECT

Effect of narcotics and aminazine on respiratory reactions evoked by stimulating the bulbar reticular formation. A. V. Val'dman, Ma Chuan'-gen [Ma Ch'uan-k'ing]. Fiziol. zhur. 61 no. 6:732-740 Je '65.

## NAR'VAN MAR—COOPERATIVE SOCIETIES

In the Far North. G. Shevlov. Sov. poteb. koop. 9 no. 3:9 Mr '65.

## NASOPHARYNX—MICROBIOLOGY

Ecological complex of nasopharyngeal microflora in diphtheria patients and carriers and lysogenicity of *Corynebacterium diphtheriae*. E. V. Bakulina. Zhur. mikrobiol., epid. i immun. 42 no. 1:130-135 Ja '65.

## NATIONALITIES

(see also subdivision under Caucasus)

Powerful forces of friendship and fraternity. S. Kenzhabayev. Nar. khoz. Kazakh. 23 no. 3:79-80 Mr '65.

## NATURAL GAS see Gas, Natural

## NATURE STUDY

Every camp should have a nature corner. L. P. Nazarova. Nach. shkola 33 no. 6:95 Je '65.

Let's teach them to observe. I. Q'neva, R. Vikhlantseva. Doshk. vosp. 38 no. 3:48-51 Mr '65.

Love of nature. L. Llagushina. Doshk. vosp. 38 no. 3:45-46 Mr '65.

Nature corner and the four-year old children. E. Gennings. Doshk. vosp. 38 no. 4:18-20 Ap '65.

Nature corner in senior groups. E. Gennings. Doshk. vosp. 38 no. 5:17-19 My '65.

Recommendations on local lore study. I. N. Rastorguev. Nach. shkola 33 no. 5:77-78 My '65.

Spring observations. V. A. Tetulov. Nach. shkola 33 no. 4:55-57 Ap '65.

Stories about nature. V. Tetulov, A. Klykov. Doshk. vosp. 38 no. 4:43-45 Ap '65.

... That they forget their hats in the forest. K. Kanaeva. Doshk. vosp. 38 no. 4:43-45 Ap '65.

We are also responsible. E. Kuz'mina. Doshk. vosp. 38 no. 4:67-69 Ap '65.

## NAUTICAL CHARTS

The aids to navigation should meet modern requirements. N. Klad'ko. Mor. flot 25 no. 4:18 Ap '65.

## NAVAL ART AND SCIENCE

Role of aviation in combat operation at sea under modern conditions. S. A. Gul'nev. Mor. sbor. 48 no. 6:36-43 Je '65.

## NAVAL DISCIPLINE

Vulgar simplifications should not be tolerated in carrying out missions. V. I. Iovlev. Mor. sbor. 48 no. 4:55-57 Ap '65.

## NAVAL EDUCATION

Bragin, V. P. [The young sailor of the All-Union Volunteer Society for Assistance to the Army, Navy, and Air Force] Iunyi moriak DOSAAF. Izd. 2., Moskva, DOSAAF, 1965. 149 p.

Decisive work team. V. M. Grishanov. Mor. sbor. 48 no. 6:8-17 Je '65.

Distribution of training time for an exercise on the ship. N. F. Zhukov. Mor. sbor. 48 no. 5:59-61 Je '65.

It is necessary to cultivate the commander's initiative and initiative. P. V. Makinov. Mor. sbor. 48 no. 5:61-66 My '65.

Know well the theory of a ship and its means of defense. R. V. Babin, V. T. Stavitski. Mor. sbor. 48 no. 5:60-62 My '64.

Patriotic training of sailors in combat and revolutionary traditions. E. F. Bystrov. Mor. sbor. 47 no. 5:14-18 My '64.

Some remarks on the instruction of young officers. A. D. Dzhabakhishvili. Mor. sbor. 47 no. 5:62-67 My '64.

Training of students of naval schools. A. V. Haidin, V. A. Iessa. Mor. sbor. 48 no. 5:72-77 My '65.

## NAVAL EDUCATION—PROGRAMMED INSTRUCTION

Experience in working out logical schemes and some results of programmed control of instruction. A. A. Sorokin. Mor. sbor. 47 no. 5:53-57 My '64.

Some problems in programmed instruction. A. M. Stoliarenko. Mor. sbor. 48 no. 5:60-72 My '65.

## NAVAL ORDNANCE see Ordnance, Naval

## NAVAL RECONNAISSANCE

Reconnaissance in combat operations on the destruction of the enemy's naval forces. I. K. Kuz'min. Mor. sbor. 47 no. 5:38-43 My '64.

## NAVIES see subdivision 'Navy' under Russia; United States

## NAVIGATION

Integration of equations of errors of a system of celestial navigation for Kepler motions of the object. V. P. Andreev. Prikl. mat. i mekh. 20 no. 2:19-26 Mr-Apr '65.

Lomonosov and navigation. I. U. Grishin. Mor. sbor. 47 no. 4:11-42 Ap '65.

## NAVIGATION—STUDY AND TEACHING

Training crews of ships effecting a passage from theater to theater. M. V. Selianin. Mor. sbor. 48 no. 5:11-14 Je '65.

## NAVIGATION (AERONAUTICS)

Characteristics of using course instruments in flying from an arbitrary meridian. B. I. Zhdanovskii. Mor. sbor. 47 no. 5:66-67 My '64.

## NEAR EAST—CIVILIZATION, MEDIEVAL

East and West from the 12th to the 13th century. I. A. Orbell. Vop. iaz. 40 no. 6:105-114 Je '65.

## NEAR EAST—CONSTITUTIONAL HISTORY, ANCIENT

Development of classes and the state in the countries of the ancient Orient, according to works of Soviet Assyriologists and Egyptologists. I. I. Semenov. Nar. Az. i Afr. no. 3:160-171 '65.

## NEAR EAST—PETROLEUM INDUSTRY

The command of time. V. Rodianskii. Az. i Afr. 8 no. 6:10 Je '65.

## NEAR EAST—SOCIAL CLASSES

Development of classes and the state in the countries of the ancient Orient; according to works of Soviet Assyriologists and Egyptologists. I. I. Semenov. Nar. Az. i Afr. no. 3:160-171 '65.

## NEBULAE

Electron temperature gradient in gaseous nebulae. G. A. Gurzadian. Trudy Astrofiz. inst. AN Kazakh. 5:269-273 '65.

List of cometary nebulae detected on Mt. Palanay. E. S. Puzanov. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no. 2:146-148 '65.

Reflecting nebulae of high optical density and the properties of interstellar dust particles. D. A. Rozhkovskii. Trudy Astrofiz. inst. AN Kazakh. 5:249-257 '65.

Relative luminosity of nebulae illuminated by stars. G. M. Idlis. Trudy Astrofiz. inst. AN Kazakh. 5:262-267 '65.

Some calculations of light scattering in dust nebulae. I. N. Minin. Trudy Astrofiz. inst. AN Kazakh. 5:258-261 '65.

## NEBULAE—OPTICAL PROPERTIES

Diffusion of radiation in nebulae of large optical thickness. V. V. Sobolev. Trudy Astrofiz. inst. AN Kazakh. SSR 5:285-291 '65.

## NEBULAE—SPECTRA

Polarization and continuous spectrum of NGC 2068. I. I. Glushkov. Trudy Astrofiz. inst. AN Kazakh. 5:277-284 '65.

Role of  $L_2$ -quanta in the formation of the continuous spectrum of diffuse nebulae. A. V. Kurchakov. Trudy Astrofiz. inst. AN Kazakh. SSR 5:292-295 '65.

## NECROSIS, BACILLARY

Treating necrobacillosis in sheep. T. Aukhadiev. Vest. sel'khoz. nauki [Kazakh.] 8 no. 2:39-41 F '65.

NEGRO MUSICIANS see subdivision under United States

## NEISSERIA

Meningococcal meningitis in foreign countries; a review. L. A. Genshikov. Zhur. mikrobiol., epid., i immun. 42 no. 1 83-91 Ja '65.

## NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Studying the works of N. A. Nekrasov, conference in Kasiroma, O. A. Finl. Vest. AN SSSR 35 no. 4; 117-118 Ap '65.

## NEMATODA

(see also subdivision under Azerbaijan; Mediterranean Sea region)

Anatomy and diagnosis of nematode larvae. I. A. Rubtsov. Zool. zhur. 44 no. 5:860-875 '65.

Circa infection of cattle and sheep with haemonchosis. V. D. Pevnaya. Veterinarika 42 no. 6:55-58 Je '65.

Nematodius infestation in lambs. I. A. D. Nikol'skii, I. S. Piskunov. Veterinarika 41 no. 6:60-61 Je '64.

Parafilaria of cattle. I. V. Smirnov. Veterinarika 41 no. 4:51 Ap '65.

Phylometrosis in carp. G. V. Vasil'kov. Veterinarika 41 no. 6:66-67 Je '64.

## NEMATODE DISEASES OF PLANTS

Control of the potato nematode in the German Federal Republic. V. Efimenko, A. Kuchumov. Zashch. rast. ot vred. i bol. 10 no. 5:56 '65.

Nematode disease of seedlings. N. Sveshnikova. Zashch. rast. ot vred. i bol. 10 no. 4:15 '65.

## NEOMYCIN

Use of neomycin (colimycin) in local therapy of infectious diseases of eyelids, conjunctiva and cornea. G. P. Reikov, A. A. Veizin. Antibiotiki 10 no. 5:466-470 My '65.

## NEON

Experimental determining of partial molar volumes of neon dissolved in liquid nitrogen. V. G. Skripka. Trudy VNIIMASH no. 9:180-185 '65.

## NEOSTIGMINE

Adrenergic and cholinergic reactions in animals with functional traumatism of the central nervous system. B. B. Voznesenskii. Pat. fiziol. i eksp. ter. 8 no. 6:15-19 N-D '61.

## NEPTUNIUM COMPOUNDS

Complex-forming capacity of pentavalent neptunium. T. G. Chudinov, I. K. Shvetsov. Radiokhimiya 7 no. 2:188-191 '65.

## NERIS, SALOMEJA, 1905-1945

Clurlionis, M. K. [Friendship; eight reproductions by M. K. Clurlionis and poems by Salomeja Neris] Biliulyte; astenionis M. K. Clurlionis kuriniu reprodukcijos su Salomejos Neris eileroais. Vilnius, VEGA, 1965. 8 fold, plates. [In Lithuanian]

## NEROL

Cyclization of geraniol and nerol ethers. A. V. Semenovskii and others. Izv. AN SSSR, Ser. khim. no. 6:1008-1070 '65.

## NERVES

Complex methodology of silver impregnation with Voelgen's reaction. K. K. Sergeev. Biol. eksp. biol. i med. 58 no. 6:117-118 Je '65.

Phosphoproteins of structural elements of the nuclear fraction of a nervous tissue. A. I. Komkova, V. S. Petukov, O. A. Gorkhina. Vest. LGU 20 no. 9:74-79 '65.

Reactions of giant nerve cells to an interruption of hyperpolarizing current. V. D. Gerasimov, P. G. Kostuk, V. A. Mal'skii. Fiziol. zhur. 51 no. 6:703-710 Je '65.

Synthesis of the mediator in the axonal endings of an adrenergic neuron. L. I. Badalov. Fiziol. zhur. 51 no. 5:572-577 My '65.

## NERVES—INFLAMMATION

Afferent impulses from the focus of an inflammation. Z. N. Sergeeva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:81 '64.

Effect of peripheral inflammatory processes on mono-synaptic reflexes. I. B. Sviatunov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:70-80 '64.

## NERVES—SURGERY

Some data on the statics and dynamics of the structure of the Schmidt-Lantermann incisures. O. S. Sotnikov. Arkh. anat. gist. i ombr. 48 no. 3:31-42 Mr '65.

## NERVES, PERIPHERAL

Qualitative characteristics of the degeneration of main and accessory pathways of the afferent innervation of the urinary bladder. F. B. Kheifman. Arkh. anat. gist. i embr. 48 no. 3:99-103 Mr '65.

## NERVES, PERIPHERAL—INFLAMMATION

Facilitation of primary cortical responses under the influence of impulses from inflammatory foci. L. N. Smolin. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:88-87 '64.

## NERVES, SPINAL

Effect of antidromic impulses on the spontaneous activity of the internatal spinal neurons in cats. S. M. Sverdlov, E. V. Maksimova. Fiziol. zhur. 51 no. 6:717-722 Je '65.

Intracellular resting potentials of surviving sensory neurons. M. I. Sologub. Fiziol. zhur. 51 no. 6:686-692 Je '65.

Posttetanic changes in reflex responses of the ventral root to rhythmic stimulations of an afferent nerve. K. S. Predtechenskaya. Fiziol. zhur. 51 no. 6:749-754 Je '65.

## NERVES, SPINAL—DISEASES

Sheathed branches of cerebrospinal nerves and the pain problem in lesions of epidural structures. V. V. Tkach, V. I. Ziblov. Zhur. nevr. i psikh. 64 no. 11:1644-1647 '64.

Treatment of thoracic radiculitis and stenocardia with bee venom. V. I. Sal'nikov. Trudy Inst. im. N. V. Sklif. 5 no. 2:174-178 '62.

## NERVES, SPINAL—TUMORS

Cytologic diagnosis of neurinomas. N. I. Nikitina. Vop. onk. 11 no. 1:30-34 '65.

## NERVOUS SYSTEM

Akademii nauk SSSR. Ob'edinennyi nauchnyi sovet. "Fiziologiya cheloveka i zhivotnykh." [Problems of modern neurophysiology] Problemy sovremennoi neuro-fiziologii. Moskva, Nauka, 1965. 132 p.

Changes in the higher nervous activity under the effect of the reproductive cycle. L. T. Ivanova, V. B. Ivanov. Zhur. vys. nerv. deiat. 14 no. 8:964-981 N-D '64.

Characteristics and nature of monophasic potentials. S. S. Solomatina. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:92-93 '64.

Device for studying the higher nervous activity in man by the method of conditioned level. S. D. Amrom, O. T. Lebedev, K. N. Vikhoreva. Zhur. vys. nerv. deiat. 15 no. 3:587-572 My-Je '65.

Device UFI-63 for examination of the higher nervous activity in man. B. A. Minin. Zhur. vys. nerv. deiat. 14 no. 8:1104-1107 N-D '64.

Dynamics of the restoration of functions of the central nervous system in patients following clinical death. I. I. Astapenko. Zhur. nevr. i psikh. 64 no. 11:1611-1617 '64.

Electrophysiological analysis of reactions of the nervous system to the irritation from pathologically modified tissues. S. I. Frankheim. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:102-104 '65.

Experimental tetanus intoxication as a model for the study of neurophysiological processes. G. N. Kryzhanovskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:57-54 '64.

Fall, L. I. [Histology of the nervous system; textbook] Gistologiya nervnoi sistemy; uchebnoe posobie. Moskva, Mosk. med. stomatologicheskii in-t, 1964. 51 p.

Mechanisms of the formation of inhibition in ontogeny. I. A. Arshavskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:12-13 '64.

Neurohumoral interceptive reflex chain reactions. I. A. Bulygin, E. I. Balakhmina. Fiziol. zhur. 51 no. 6:762-767 Je '65.

Problem of lability in the light of physiological ontogenic data. I. A. Arshavskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:14-15 '64.

Rhythmic activity of neurons. A. I. Shapovalov. Zhur. vys. nerv. deiat. 15 no. 3:469-480 My-Je '65.

Structural and functional correlations between excitation and inhibition in the central nervous system. N. N. Vasil'evskii, V. I. Klimeva-Cherkasova, G. A. Vartanian. Fiziol. zhur. 51 no. 4:424-430 Ap '65.

Study on neurophysiological mechanisms of the selective action of narcotics. E. M. Nabili. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:68-67 '64.

## NERVOUS SYSTEM—DISEASES

Characteristics of reflex disorders of regional blood circulation during the development of neurodystrophic processes. S. V. Magaveva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:64-65 '64.

Lesions of the central nervous system in Recklinghausen's disease. A. N. Cherepanov. Zhur. nevr. i psikh. 65 no. 6:825-827 '65.

## NERVOUS SYSTEM—FISHES

Effect of phenol on the conditioned response activity in fishes. B. A. Fierov. Gidrobiol. zhur. 1 no. 3:49-50 '65.

## NERVOUS SYSTEM—MOLLUSKS

Nervous system of lower Ophiobranchia (Gastropoda). I. U. S. Minchev. Vest. LGU 20 no. 9:13-23 '65.

## NERVOUS SYSTEM—SYPHILIS see subdivision under Kharkov

## NERVOUS SYSTEM—VERTEBRATES

Gusev, N. V. I. [Electrophysiological study of analyzer systems in the phylogeny of vertebrates] Elektrifitsirovannoe issledovanie analizatornykh sistem v filogeneze pozvonochnykh. [Moskva] Izd-vo Mosk. univ., 1965. 260 p.

## NERVOUS SYSTEM, AUTONOMIC

Bulygin, I. A. [Coupling and receptor functions of vegetative ganglia] Zamykatel'naya i retseptornaya funktsii vegetativnykh gangliov. Minsk, Nauka i tekhnika, 1964. 225 p.

Correlation between the volumes of the nucleus and cytoplasm in the neurons of the vegetative ganglia in cats. L. Z. Pevzner. Biol. eksp. biol. i med. 59 no. 6:103-105 Je '65.

## NERVOUS SYSTEM, PARASYMPATHETIC

Changes in cardiac reactivity to parasympathetic and sympathetic influences in compensatory hyperfunction of the heart in chronic experiments. L. L. Rozanova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:77-78 '64.

Comparative characteristics of the peripheral plexuses of parasympathetic and sympathetic nerve fibers according to the distribution and activity of cholinesterase, histochemical data. E. K. Plechkova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:70-72 '64.

## NERVOUS SYSTEM, SYMPATHETIC

Changes in cardiac reactivity to parasympathetic and sympathetic influences in compensatory hyperfunction of the heart in chronic experiments. L. L. Rozanova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:77-78 '64.

Comparative characteristics of the peripheral plexuses of parasympathetic and sympathetic nerve fibers according to the distribution and activity of cholinesterase, histochemical data. E. K. Plechkova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:70-72 '64.

Comparative cytochemical study of the neurons of the thoracic portion of the trunks sympathetic in vertebrates. V. P. Ershova. Arkh. anat., gist. i embr. 48 no. 4:24-32 Ap '65.

Effect of local stimulation of bulbar pressor structures on the electrical activity of sympathetic nerves. A. M. Bilnova, N. K. Saradzhev, F. D. Shetkhon. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:25-28 '64.

Effect of the level of contractile functions of the heart on the production of sympathetic effects. N. B. Vorontuk. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:33-34 '64.

Effector innervation of extramural sympathetic ganglia in man and other mammals. V. F. Lashkov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:53 '64.

Role of the sympathetic nervous system in the development of contracta origins originating in traumas of the spinal cord. N. A. Galitskaya. Fiziol. zhur. 51 no. 4:508-512 Ap '65.

## NERVOUS SYSTEM, SYMPATHETIC—BLOOD SUPPLY

Histological changes in the vessels of the ganglia of the sympathetic nervous system in hypertension. Sh. M. Akembekova. Trudy Inst. im. N. V. Sklif. 5 no. 2:69-77 '62.

## NERVOUS SYSTEM, VASOMOTOR

Characteristics of vasomotor reflexes produced by the introduction of chemical irritants into ear vessels in rabbits. B. B. Kellin. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:53-54 '64.

Electrophysiological analysis of the formation of vasomotor reflexes. A. I. Katunskii and others. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:51-52 '64.

## NETHERLANDS—BRIDGES, CONCRETE

Construction of a road bridge in the Netherlands. G. K. Khaidukov. Bet i zhel'-bet 11 no. 6:36-40 Je '65.

## NEURALGIA, FACIAL

Deep facial neuralgia. V. A. Karlov. Sov. med. 28 no. 4:90-101 Ap '65.

## NEURALGIA, TRIGEMINAL

Pathogenic, clinical and prognostic significance of trigger zones in typical neuralgia of the trigeminal nerve. L. G. Erokhina. Zhur. nevr. i psikh. 64 no. 11:1648-1652 '64.

## NEUTRALIZATION

Theoretical principles of the neutralization of ammonium nitrate production. I. A. Kil'man. Uzb. khim. zhur. 9 no. 1:23-30 '65.

## NEURITIS, MULTIPLE

Prolonged remission of diabetes mellitus and polyneuritis. E. G. Moskvitch. Probl. endok. i gorm. 10 no. 4:66-67 Ji-Ag '64.

## NEUROLOGY

(see also subdivision under Czechoslovakia)

Arkhangelskii, O. V. [History of neurology from its beginning to the 20th century] Istoriya neurologii ot istokov do XX veka. Moskva, Meditsina, 1965. 430 p.

Neurological evaluation of the state of patients with brain tumors during the process of treatment with radioactive gold and after it. A. A. Volkov, V. L. Kachava, I. P. Krivosheina. Zhur. nevr. i psikh. 64 no. 11:1626-1630 '64.

# NEUTRON SCATTERING

Neutron scattering in liquids during an isothermal process. M. V. Vashchenko, Zhur. neorg. khim. 10 no. 1:153-154 '65.

# NEUTRONS

Calculation of the cross sections and its application to certain reactions induced by neutrons. I. M. Zhelaznyy, Izd. fiz. 1 no. 6:1056-1055 '65.

# NEUTRONS—SCATTERING

Polarization effects in neutron-electron scattering with allowance for radiation corrections. A. M. Perelomov, Izd. fiz. 1 no. 6:1045-1049 '65.

# NEUTRONS

Distribution of the total fissions in a natural mixture of uranium and its irradiation by neutrons. S. V. Ilyin, Zh. radiofiz. 12 no. 1:120-124 '65.

Interaction of a neutron with a neutron in an external field. I. I. Terlov, V. G. Bagrov, A. M. Kharin, Zh. radiofiz. 12 no. 3:321-327 '65.

Interaction of 14 MeV. neutrons with tritium. G. E. Belushko, A. N. Prokhorov, Izd. fiz. 1 no. 6:1069-1073 '65.

Yields of  $^{87}\text{Br}$ ,  $^{88}\text{Br}$ ,  $^{89}\text{Br}$ ,  $^{137}\text{I}$  as precursors of fissioned neutrons in the fission of  $^{238}\text{U}$  and  $^{232}\text{Th}$  by neutrons with energies of 14.5 MeV. V. I. Shpatov and others, Zh. radiofiz. 12 no. 1:55-103 '65.

# NEUTRONS—SCATTERING

Influence of the effect on the photon spectrum near the neutron resonance. R. Kagan, A. P. Zhernov, Zhur. khim. fiz. 41 no. 3:371-374 '65.

The doublet length of neutron-deuteron scattering and the tensor polarizability state allowing for tensor forces. A. G. Sitenko, V. F. Kharchenko, Izd. fiz. 1 no. 6:994-1001 '65.

On the theory of the isotropic scattering of slow neutrons by a deuteron. R. M. Seifid, M. B. Fomirov, Izv. Akad. Nauk SSSR, Ser. fiz. i khim. 1965 no. 1:75-76.

# NEVSKAYA, LIUBOV' VLADIMIROVNA

Doklady Akad. Nauk SSSR, Ser. fiz. i khim. 1965 no. 5:142.

# NEVSKAYA, LIUBOV' VLADIMIROVNA

Neutron scattering in the deuteron. I. Fedencov, Zh. radiofiz. 12 no. 1:19-24 '65.

# NEW YORK (CITY)—STOCK EXCHANGE

The New York Stock Exchange gets nervous: economic news. M. Kobrin, Nov. zhurn. 23 no. 27:28 '65.

# NEWCASTLE DISEASE

Incubation of the average lethal dose ( $D_{50}$ ) and its significance. I. A. Chelishkov, Vop. khim. 41 no. 5:526-529 '64.

Diagnosis of Newcastle disease in birds. A. I. Belyy, Veterinariya 41 no. 26:1-4 '64.

# NEWCASTLE DISEASE—MICROBIOLOGY

Immunobiological characteristics of the virus of Newcastle disease grown in tissue culture. A. B. Khachatryan, A. A. Pogosyan, G. G. Mirturoyan, Veterinariya 41 no. 4:25-27 '64.

Antigenic strains of Newcastle disease of various origin. T. A. Bekturova, A. I. Sukkar, Vest. AN Kazakh. SSR 1:140-145 '63.

# NEWFOUNDLAND—EUPHAUSIACEA

Euphausiid distribution in the Grand Bank off Newfoundland. I. I. Ilyin, Trudy TINRO no. 16:73-88 '64.

# NEWFOUNDLAND—SCORPION FISHES

Some problems of *Sebastes mentella* fisheries in the Newfoundland region. V. A. Rukhtor, Ryb. khoz. 41 no. 5:15-17 '65.

# NEWSPAPERS

Turning over the pages of a complete set of "Pravda." P. S. Gerasimov, G. A. Gerasimov, Izv. AN SSSR, Ser. fiz. i khim. 1965 no. 5:1-3 '65.

# NICHOLAS II, Emperor of Russia, 1868-1918

N. V. Rozitskiy's reports to Nicholas II. I. I. Astaf'ev, Ist. zap. 71 no. 3:307-307 '65.

# NICKEL—ANALYSIS

Photocolorimetric determination of microgram quantities of nickel in lead salts. F. P. Gorbunov, I. A. Shevchuk, F. V. Ilyushina, Tr. d. INFA no. 25:325-328 '63.

# NICKEL—CORROSION

Electrochemical and corrosion behavior of nickel in sulfuric and perchloric acid solutions. N. A. Bune, Zhur. neorg. khim. 10 no. 3:168-174 '65.

# NICKEL—ELECTROMETALLURGY

Formation of whiskers on nickel cathode surfaces. V. F. Borbat, V. P. Krasnosolov, TSvet. met. 38 no. 3:61 '65.

# NICKEL—METALLURGY

Kinetics of autoclave leaching of nickel matte. G. N. Dobrokhotoy, E. V. Miorova, Izv. vys. ucheb. zav. tsvet. met. 8 no. 1:64-72 '65.

Reducing nickel dust losses from nickel plant shaft furnaces. O. A. Bogayevskiy, TSvet. met. 38 no. 5:43-44 '65.

Thermochemical transformations during the sulfation of oxidized nickel compounds by sulfuric acid in the presence of carbon. V. V. Pechkovskiy, T. G. Mal'tseva, Izv. vys. ucheb. zav. tsvet. met. 8 no. 1:58-63 '65.

# NICKEL—ALUMINUM—IRON ALLOYS

see Iron-nickel-aluminum alloys

# NICKEL CATALYSTS

Effect of oxygen sorption by a nickel catalyst and its influence on the kinetics of para-ortho conversion and hydrogen isotope exchange. I. R. Davydova, S. L. Kiperman, Khim. i tekhn. 6 no. 1:137-143 '65.

Hydrogenolysis of ethane in a flow system on nickel catalysts. A. A. Balandin and others, Khim. i tekhn. 6 no. 1:115-120 '65.

# NICKEL—CHROMIUM ALLOYS—ELECTROMETALLURGY

Effect of vacuum-treatment regime on the gas content and properties of chromium-nickel alloys. S. B. Gerasimov, Izv. vys. ucheb. zav. mashinost. 3 no. 3:21-30 '65.

# NICKEL COMPOUNDS

Trivalent nickel ethylenediamine complexes. A. V. Babayeva, I. B. Baidanovskiy, G. G. Afanas'yeva, Zhur. neorg. khim. 10 no. 5:1268-1270 '65.

# NICKEL HYDROXIDES

Quantitative evaluation of the effect of the precipitation conditions on the granulometric composition of nickelous hydroxide. L. A. Kukoz, N. A. Avdeev, E. I. Kukoz, Koll. zhur. 27 no. 2:207-210 '65.

# NICKEL ORES

Formation of sulfides during a shaft furnace smelting of oxidized nickel-containing ores. S. I. A. Kolodnyy, Zhur. prikl. khim. 38 no. 1:855-863 '65.

# NICKEL OXIDE CRYSTALS—GROWTH

Forbidden band width in nickel oxide. I. A. M. Ksendrov, I. A. Drabkin, Fiz. tverd. tela 7 no. 6:1884-1888 '65.

# NICKEL PLATING

Feasibility of determining by photometry the adhesion of an electrolytic deposit to the base. N. K. Naraboshkina, A. T. Vagarian, V. I. Titova, Zashch. met. 1 no. 2:230-232 '65.

Standard processes for automatic bright copper and nickel plating at the "Kommunar" Plant. L. A. Iaroshenko, V. N. Usinov, Mashinostroenie no. 3:77-79 '65.

Using nickel hypophosphite in chemical nickel coating. V. I. Latashov, A. D. Denisov, Vest. mashinost. 45 no. 5:51 '65.

Using ultrasonic techniques for electrolytic deposition of nickel coatings with given properties. V. A. Drushchenko, S. A. Shapiro, V. D. Kuzhikovskiy, Mashinostroenie no. 3:80 '65.

# NICKEL STEEL

Using low-nickel and nickelless steels for pinions of tractor transmissions. M. P. Babin and others, Mashinostroenie no. 2:85-87 '65.

# NICOLAU, St. G., 1874-

Academician St. G. Nicolau, on his 90th birthday. Vest. dermat. 38 no. 5:52 '64.

# NICOTINIC ACID METABOLISM

Content and excretion of the derivatives of nicotinic acid in patients with cancer of the stomach and the lungs. A. P. Kalashnikov, Vop. onk. 10 no. 12:32-34 '61.

Distribution and excretion of  $C^{14}$ -tagged nicotinic acid in rats. V. K. Modestov, A. B. Sokolov, Trudy TSU 71:194-200 '64.

# NIGERIA—ANTIQUITIES

Tradition of the deep antiquity. K. Galvandov, A. Z. Afr. seg. 8 no. 6:57 '65.

# NIGERIA—THEATER

Birth of the theater in Nigeria. N. A. L'vov, Teatr. 26 no. 6:162-163, 168 '65.

# NIGHT SCHOOLS

see Evening and continuation schools

# NIGHTSHADE

Rybchenko, O. I. [Cytoembryology of the nightshade family] Tsytomorfologiya rodny prasinovykh. Kyiv, Naukova dumka, 1965, 158 p.

# NIKOLAI, ANDREI L'VOVICH, 1737-1820

A. Nikolai's memories of E. M. Falconet, E. Heter, Iskustvo 28 no. 4:60-71 '65.

# NIKOLAYEV PROVINCE—MALARIA—PREVENTION

Potential malaria foci in Nikolayev Province, Ukrainian S. S. R. and the substantiation of the plan for malaria prevention measures in the next few years. S. S. Anisimov, Med. paraz. i paraz. bol. 33 no. 6:722-724 '65.

# NIKOLAYEV PROVINCE—RURAL CONSTRUCTION

Who can perform special operations? D. Zakharenko, St. bud. 15 no. 10:11 '65.

# NIKOL'SKI, ALEXANDR SERGEEVICH, 1895-

Architect A. S. Nikol'ski: in commemoration of the anniversary of his birth. L. M. Likhachev, Ist. i arkhit. Len. 71 no. 3:40-41 '65.

# NIOBIUM

Chemistry of niobium. I. N. Gerasimov, A. A. Gerasimov, A. A. Gerasimov, DVE AN SSSR no. 2:1-1 '65.

State of niobium in diluted organic acid solutions. A. V. Ilyukhin, Shao. Khim. i Tekhn. 10 no. 1:11-12 '65.

# NIOBIUM—ANALYSIS

Determination of niobium by the luminometric method. V. V. Kilmov, O. S. Dzhidzhikova, Trudy INI 1:1-1 '65.

Reduced phosphomolibdenic molybdenic complex. V. I. Ilyukhin, M. I. Zolotareva, Zhur. neorg. khim. 10 no. 1:900-905 '65.

# NIOBIUM—METALLURGY

Sorption of niobium and tantalum from  $\text{H}_2\text{SO}_4$  in solutions by  $\text{AF-17}$ ,  $\text{FDI-10P}$ ,  $\text{AN-21}$  and other changes. V. S. Pukhovskiy, S. I. Shukovskiy, Izv. vys. ucheb. zav. tsvet. met. 8 no. 1:102-109 '65.

# NIOBIUM CHLORIDES

System  $\text{NbCl}_5 - \text{NiCl}_2 - \text{NaCl} - \text{KCl}$ . M. B. Chikvashvili, A. P. Pukhovskiy, Zhur. neorg. khim. 10 no. 5:1150-1151 '65.

# NIOBIUM ELECTRODES

see Electrodes, Niobium

# NIOBIUM SALTS

Niobium and tantalum arsenate compounds. I. A. Gerasimov, A. A. Gerasimov, Zhur. neorg. khim. 10 no. 5:1150-1151 '65.

Niobium arsenate. M. I. Mikhlin, A. K. Gerasimov, T. G. Mal'tseva, Zhur. neorg. khim. 10 no. 5:1150-1151 '65.

# NITRATES

Covariance of cation reaction with water molecules in the hydrolysis of  $\text{Rb}$ ,  $\text{Tl}$ ,  $\text{Mg}$ ,  $\text{Co}$  and  $\text{Ba}$  nitrates. M. N. Budalova, O. A. Samoilov, V. I. Ilyukhin, Radiokhimiya 7 no. 1:113-115 '65.

# NITRIC ACID

Characterization of the corrosion of stainless steel by chromium in boiling concentrated nitric acid. A. B. Mikhlin, V. P. Ilyukhin, Zashch. met. 1 no. 2:170-173 '65.

Effect of nitric acid vapors on plastics. I. A. Gerasimov, Plast. massy no. 6:64-67 '65.

Introducing a unit for bottling nitric acid. A. I. Ilyukhin, Khim. tekhn. inform. 18 no. 5:17 '65.

Study of thermodynamic characteristics of the system  $\text{HF-HNO}_3\text{-H}_2\text{O}$ . Part I: Measurement of vapor pressure of components of systems  $\text{HF-H}_2\text{O}$  and  $\text{HNO}_3\text{-H}_2\text{O}$ . V. M. Vdovenko, I. N. Lazarev, E. V. Shishinskii, Radiokhimiya 7 no. 1:40-41 '65.

Thermodynamic characterization of the system  $\text{HF-HNO}_3\text{-H}_2\text{O}$ . Part 2: Calculation of activity of components in the system  $\text{HF-HNO}_3\text{-H}_2\text{O}$ . V. M. Vdovenko and others, Radiokhimiya 7 no. 1:41-42 '65.

# NITRILE RUBBERS

Physicochemical properties of nitrile rubbers and mixtures of incompatible polymers. Polybutadiene-butadiene nitrile rubbers. V. N. Kuleznev and others, Koll. zhur. 27 no. 2:211-214 '65.

# NITRILES

Effect of the structure of a silicone-containing nitride on the course of its catalytic reduction. T. A. Gerasimov, I. K. Freidlin, Izv. AN SSSR, Ser. khim. no. 6:1-3 '65.

Reduction of aromatic and branched aliphatic nitriles with stannous chloride. P. S. Pyatova, I. N. Lazarev, Izv. vys. ucheb. zav. khim. i tekhn. 10 no. 6:82-87 '65.

Study of certain nitrilolactates by infrared spectroscopy. A. I. Grigor'ev, N. D. Mitrofanova, I. I. Murtynenko, Zhur. neorg. khim. 10 no. 6:1400-1410 '65.

Synthesis and study of polyferrocenyl nitrile. V. P. Vishniakova, I. A. Golubeva, I. A. M. Pashkin, Vys. ucheb. zav. 7 no. 4:713-719 '65.

# NITRILIUM COMPOUNDS

Use of nitrilium salts in the synthesis of heterocyclic amino acids. Part 2: Synthesis of 3,4-dihydroisoxazoles. I. A. Gerasimov, Izv. AN SSSR, Ser. khim. no. 1:1-1 '65.

# NITRITES

Nitrite ion exchange in potassium tetrantropionate. I. V. Matsko, G. A. Shagisultanova, I. V. Bel'manov, Zhur. neorg. khim. 10 no. 5:1272-1274 '65.

## NITRILES (CONTINUED)

System  $\text{TiNO}_2 - \text{CaNO}_2 - \text{H}_2\text{O}$  at 25° C. P. I. Protchenko, N. A. Brykova, E. M. Ivanova. Zhur. neorg. khim. 10 no. 6 1477-1480 Je '65.  
Thermal analysis of binary nitrile systems P. I. Protchenko, N. A. Brykova. Zhur. neorg. khim. 10 no. 5 1220-1224 My '65.

## NITRO COMPOUNDS

Preparation of high-purity organic substances. Report No. 1: Preparation of high-purity  $\alpha$ -naphthalene. G. I. Mikhailov, I. S. Pankova, E. I. Ivanenko. Trudy IREA no. 21:78-82 '63.  
Synthesis of  $\gamma$ -bromodinitro compounds. V. A. Tartakovskii, B. G. Gribov, S. S. Novikov. Izv. AN SSSR, Ser. khim. no. 8:1071-1075 '65.

## NITROFORM

Kinetics of the addition of trinitro methane to acrylic acid derivatives in water. S. S. Novikov and others. Izv. AN SSSR, Ser. khim. no. 6 1066-1068 '65.

## NITROGEN

Effect of the electric current on the rate of nitrogen dissolution in molten oxides. V. M. Kamyshov and others. V. M. Kamyshov and others. Elektrokhimia 1 no. 2 227-230 F '65.  
Nitrogen nutrition of the genus Chaetomium fungi isolated from various soils of Siberia. N. N. Napolekova. Izv. SO AN SSSR no. 12 Ser. biol.-med. nauk no. 3 105-110 '64.

**NITROGEN—EFFECT ON PLANTS** see Plants, Effect of nitrogen on

## NITROGEN—FIXATION

Effect of chlorine organic insecticides on the nitrogen fixation by pulse crops. N. K. Krupskii, L. F. Kraonopol'skaya. Khim. v sel'. khoz. 3 no. 4:34-35 Ap '65.  
Nitrogen fixation as a hydrogen-acceptor process. I. D. Ivanov, I. U. P. Sitonite, I. U. M. Belov. Mikrobiologiya 34 no. 2:193-199 Mr.-Ap '65.

## NITROGEN FERTILIZERS

(see also subdivision under France)

Economic efficiency of the use of natural gas in the nitrogen industry. M. B. Moku, A. A. Zolovskii. Gaz delo no. 5:39-41 '65.  
Effect of nitrogen fertilizers on the content of protein and crude protein in potato tubers. M. S. Nikitina. Vestsi AN BSSR, Ser. sel'sh. nauk. no. 4 40-41 '64.

## NITROGEN ISOTOPES

Nitrite ion exchange in potassium tetraammonium phosphate. I. V. Matoko, G. A. Shaglaul'tanova, I. U. E. Selianinov. Zhur. neorg. khim. 10 no. 5 1272-1274 My '65.

## NITROGEN METABOLISM

Clinical aspects of severe forms of Bolkin's epidemic hepatitis and some indications to disorders of nitrogen metabolism in it. G. F. Belov. Sov. med. 28 no. 1: 50-52 Ap '65.

Dependence of the frost resistance of potato vines on the rate of nitrogen metabolism. S. N. Drozdov, Z. F. Sycheva. Fiziol. rast. 12 no. 2:325-331 Mr.-Ap '65.

Effect of microelements on the dynamics of nitrogen compounds in soybeans under various conditions of moisture supply. M. R. Rustambekov, G. A. Rzaev. Izv. AN Azerb. SSR, Ser. biol. nauk no. 6 11-17 '64.

Glutamine synthetase in the liver of chick embryo during transition to the uricotelic type of nitrogen metabolism. K. A. Drol'. Biokhimiya 20 no. 4:685-689 Jl.-Ag '64.

Some characteristics of carbohydrate and nitrogen metabolism in sugar beets affected with yellow virus. A. O. Skofenko, D. M. Isakova. Mikrobiol. zhur. 27 no. 3:44-49 '65.

Studies on the balance and metabolism of amino nitrogen in Actinomyces species during the process of growth and development. V. S. Fonin, V. A. Severin. Antibiotiki 10 no. 5 405-409 My '65.

Use of nitrogen in the synthesis of various proteins in corn kernels studied with the aid of  $\text{N}^{15}$ . A. N. Pavlov, T. I. Kolesnik. Fiziol. rast. 12 no. 2:285-288 Mr.-Ap '65.

## NITROGEN OXIDES

Absorption of high concentration nitrogen oxides by water. A. N. Tsel'lin, I. U. V. Lender. Zhur. prikl. khim. 38 no. 4:61-705 Ap '65.  
Nomogram and equation for determining the elasticity of nitrogen oxide over industrial nitroses. V. I. Hladushko. Khim. prom. [Ukr.] no. 2:26-29 Ap-Je '65.  
Oxidation of nitrogen oxide to nitrogen dioxide for automatic gas analyzers. L. I. Domchenko, H. A. Kazdolina, V. I. Moskalenko. Khim. prom. [Ukr.] no. 2:66-67 Ap-Je '65.

## NITROSATION

Nitrosation of alkyl perfluorovinyl ethers. B. L. Diatkin, H. A. Bekker, I. L. Kunitsa. Izv. AN SSSR, Ser. khim. no. 6:1121 '65.

## NITROSE

Nomogram and equation for determining the elasticity of nitrogen oxide over industrial nitroses. V. I. Hladushko. Khim. prom. [Ukr.] no. 2:26-29 Ap-Je '65.

## NITROSO COMPOUNDS

Structure of adducts of trifluoronitroso methane with unsaturated compounds. V. A. Ginsburg and others. Zhur. ob. khim. 35 no. 5:851-857 My '65.

## NITROUS OXIDE—THERAPEUTIC USE

Use of nitrous oxide for the prevention and treatment of traumatic shock under conditions of first aid. B. S. Danilova and others. Sov. med. 28 no. 4:101-107 Ap '65.

## NIZAMI, GANJAWI, 1141?-1203?

Kaziev, A. I. U. [Miniature painting in the manuscript of Nizami's "Khamse," 1539-1543]. Miniatury rukopisi "Khamse" Nizami, 1539-1543 gg. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 82 p. illus.

## NIZHNEILMSK DISTRICT—PINE

Pine forests of Nizhneilmsk District. N. S. Lebedinova. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3 77-85 '64.

## NIZHNEKOLYMSKIY DISTRICT—EDUCATION, COMPULSORY

Compulsory education in the Far North. D. Danilov. Nauch. obs. 6 17-18 Je '65.

## NIZHNIY NOVGOROD GOVERNMENT—EDUCATION, PRESCHOOL

Preschool education organization in Nizhny Novgorod Government. R. Semina. Doshk. voep. 38 no. 6 86-88 Je '65.

## NIZHNIY TAGIL—IRON AND STEEL PLANTS

Mastering the operation of the oxygen-blown converter plant of the Nizhny Tagil metallurgical combine. E. Z. Frel'denson and others. Stal' 25 no. 6:534-537 Je '65.  
The Nizhny Tagil metallurgical combine is 25 years old. S. V. Makhov. Stal' 25 no. 6:481-483 Je '65.  
Using liquid fuel in blast furnaces of the Nizhny Tagil metallurgical combine. I. U. S. Borisov and others. Stal' 25 no. 6:497-503 Je '65.

## NIZHNIY TAGIL—ROLLING (METALWORK)

Investigating the process of rolling wheels at the Nizhny Tagil metallurgical combine. A. P. Chekmarev and others. Stal' 25 no. 6:543-548 Je '65.

## NIZHNIY TAGIL—STEEL INDUSTRY—ACCOUNTING

Organization of analytical work at the Nizhny Tagil metallurgical combine. D. P. Butko, B. F. Vasil'ev. Stal' 25 no. 6:562-563 Je '65.

## NIZHNYAYA TUNGUSKA see Lower Tunguska Valley

## NOAKOWSKI, STANISLAW, 1867-1928

Works by Stanislaw Noakowski. S. Zemtsov. Iskusstvo 28 no. 3:67-69 '65.

## NOLINSK DISTRICT—EDUCATION, PRESCHOOL

Do the same thing. A. Shabalina. Doshk. voep. 38 no. 4 82 Ap '65.

## NOMOGRAPHY (MATHEMATICS)

Joint nomographing of two functions up to the terms of higher order. G. G. Shumelko. Vest. Mosk. un. Ser. I: Mat., mekh. 20 no. 2:10-15 Mr.-Ap '65.  
Using the coplanar axes of azimuthal selinograms in determining the parameters of elliptically polarized vibration. V. I. Bondarev. Izv. AN SSSR, Fiz. zem. no. 5:82-93 '65.

## NONDESTRUCTIVE TESTING

Discussion on nondestructive testing methods. I. U. A. Vdovin and others. Defektoskopiya no. 1 90 '65.  
Effect of interfering factors on the results of a non-destructive quality control of the external layers of machine parts by means of the eddy current method. A. D. Iaroshek. Prikl. mekh. 1 no. 4:97-100 '65.  
Theory of the superposed pickup method for testing with eddy currents. V. S. Sobolev. Defektoskopiya no. 1:6-15 '65.

## NONFERROUS METAL INDUSTRIES see subdivision under Ukraine

## NONFERROUS METAL INDUSTRIES—ACCOUNTING

Economic analysis of industrial processes in ore dressing and metallurgical plants. A. P. Kalina. Izv. vys. ucheb. zav., tsvet. met. 8 no. 1:159-165 '65.  
Organization of business accounting at nonferrous metallurgical enterprises. I. M. Gratsershtein. TSvet. met. 38 no. 5:2-5 My '65.

## NONFERROUS METAL INDUSTRIES—LABOR PRODUCTIVITY see subdivision under East Kazakhstan Province

## NONFERROUS METALS (see also subdivision under Armenia)

Conditions of localization and the morphology of ore bodies of the Blagodat'sk and Yekaterino-Blagodat'sk deposits. V. G. Rostov. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:3-8 '65.

Physicochemical and flotation properties of displaced benzimidazolthiones. I. A. Kakovskii, G. N. Tiurenkova. Izv. vys. ucheb. zav., tsvet. met. 8 no. 1:21-27 '65.  
Seasonal fluctuation of technological indices for dressing complex metal ores. M. M. Poliakov and others. TSvet. met. 38 no. 3:13-16 Mr '65.

## NONFERROUS METALS—CONGRESSES

Alma-Ata. Kazakhskii politekhnicheskii institut. [Full treatment of complex metal ores, transactions of the All-Union Scientific and Technical Conference held in December 1962]. Kompleksnaya pererabotka polimetallicheskogo syr'ya, trudy Vsesoyuznoi nauchno-tekhnicheskoi konferentsii, dekabr' 1962 g. Moskva, Metalurgiya, 1965. 423 p.

Economic conference at the Ust'-Kamenogorsk Lead-Zinc Combine. L. S. Polner, B. A. Chernolovskii. TSvet. met. 38 no. 3:93-94 Mr '65.

Fourth plenum of the central administration of the Scientific Technological Society for Nonferrous Metallurgy. I. I. Skorniakov. TSvet. met. 38 no. 5:90 My '65.

## NONFERROUS METALS—CRUSHING AND GRINDING

Experiment in grinding ore in a counter current steam-jet mill. I. A. Iakubovich, A. V. Machinskii, O. I. Poliakov. TSvet. met. 38 no. 5:12-14 My '65.

Overall mechanization and automation of operations at the secondary crushing level. N. S. Demin. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:14-17 '65.

## NONFERROUS METALS—ELECTROMETALLURGY

Inertness of metal electrodes in fused salt electrolytes. M. V. Smirnov, O. A. Ryzhik. Izv. vys. ucheb. zav., tsvet. met. 8 no. 1:86-89 '65.

## NONFERROUS METALS—METALLURGY

Characteristics of dusts from nonferrous metallurgy plants according to their specific surface and structure. I. L. Pelsakhov. Sbor. nauch. trud. Gintsvetmeta no. 9 5-22 '65.

Chepuk, M. N., and B. S. Khristoforov. [Laboratory analysis of lead-zinc plants]. Laborant-analiticheskovo-tsinkovykh zavedov, [Moskva] Metallurgiya, 1965. 112 p.

Filter fabrics for bag filters used in nonferrous metallurgy enterprises. G. M. Gordon, B. Z. Karpov. Sbor. nauch. trud. Gintsvetmeta no. 9:53-52 '65.

Fourth All-Union public inspection of the carrying out of plans developed by scientific research and the introduction of achievements of science and technology to the national economy. TSvet. met. 38 no. 3:66, 3 of cover Mr '65.

Generalizing the experience of using bag filters in plants of the lead and zinc industry. I. L. Pelsakh, G. M. Gordon, V. F. Denisov. Sbor. nauch. trud. Gintsvetmeta no. 9:20-52 '65.

Results of a competition between enterprises of nonferrous metallurgy on "Providing the maximum output of sulfuric acid in existing plants for a better utilization of metallurgical equipment and the equipment of sulfuric acid plants." A. A. Molchanov. TSvet. met. 38 no. 3:95-98 Mr '65.

Using rapid dust collectors with preliminary moistening of gases in plants of nonferrous metallurgy. G. M. Gordon, N. P. Ozolli. Sbor. nauch. trud. Gintsvetmeta no. 9:99-113 '65.

## NORBORNENEDICARBOXYLIC ANHYDRIDE

Using chloroform anhydride for the hardening of epoxy resins as exemplified in the manufacture of foam plastics. V. D. Valgin, L. V. Vasil'eva, V. A. Sergeeva. Plast. massy no. 3:57-59 '65.

## NORIL'SK REGION (KRASNOYARSK TERRITORY)—GEOLOGY, STRATIGRAPHIC

Analogues of the Kuznet'sk series in the Noril'sk region. I. U. G. Gor, A. B. Gurevich, L. I. Sheshgova. Izv. AN SSSR, Ser. geol. 30 no. 6:92-94 Je '65.

## NORIL'SK REGION (KRASNOYARSK TERRITORY)—GEOLOGY, STRUCTURAL—MAPS

Practice in preparing the map of isodes to study the neotectonics of the Noril'sk region of Krasnoyarsk Territory. L. I. Ferdman. Izv. AN SSSR, Ser. geog. no. 3:105-109 My-Je '65.

## NORTH AMERICA—WATER RESOURCES DEVELOPMENT

Problems of water resources development in North America. V. M. Golikman, L. N. Karpov, V. P. Kovalevskii. Izv. AN SSSR, Ser. geog. no. 3:73-83 My-Je '65.

## NORTH ATLANTIC TREATY ORGANIZATION

Metamorphoses in the nuclear strategy of the Laborists. S. Beglov. Mezhdunar. zhizn' 12 no. 7:74-81 Jl '65.

Paris - Washington - Bonn. L. M. Vidlasova. Mezhdunar. zhizn' 12 no. 7:19-21 Jl '65.

The philosophy of militaristic adventures. N. Pollanov. Mezhdunar. zhizn' 12 no. 7:25-35 Jl '65.

Spain at the "Atlantic crossroads." A. Bobrov. Mezhdunar. zhizn' 12 no. 6:65-75 Je '65.  
Under the black flag: on the creation of the multilateral nuclear forces of NATO. V. P. Rogov. Mor. sbor. 47 no. 5:78-84 My '64.  
The U.S. and NATO. V. A. Matyev. Mezhdunar. zhizn' 12 no. 7:16-19 Jl '65.

**NORTH BORNEO—ECONOMIC CONDITIONS**  
Economy of North Borneo. I. U. F. Khrenov. Nar. Az. i Afr. no. 3:27-32 '65.

**NORTH KAZAKHSTAN PROVINCE—DUCKS—DISEASES AND PESTS**

Control of avian muscle disease in ducklings and lambs in state farms in North Kazakhstan Province. S. K. Vlasov. Vest sel'khoz nauki [Kazakh] 8 no. 2:35-37 F '65.

**NORTH KAZAKHSTAN PROVINCE—LAMBS—DISEASES AND PESTS**

Control of white muscle disease in ducklings and lambs in state farms in North Kazakhstan Province. S. K. Vlasov. Vest sel'khoz nauki [Kazakh] 8 no. 2:35-37 F '65.

**NORTH KOREA** see Korea, North

**NORTH OSSETIA** see Ossetia, North

**NORTH SEA—CODFISH**

Forecasting the relative yield of the Baltic cod and herring in the North Sea. A. E. Antonov. Ryb. khoz. 41 no. 5:13-15 '65.

**NORTH SEA—HERRING**

Forecasting the relative yield of the Baltic cod and herring in the North Sea. A. E. Antonov. Ryb. khoz. 41 no. 5:13-15 '65.

**NORTHERN CAUCASUS** see Caucasus, Northern

**NORTHERN DONETS—DONETS BASIN CANAL—ALGAE**  
Sphaerodiscus hantzschii Grun. as an aromatic organism giving water a fishy flavor. O. P. Oksituk. Gidrobiol. zhur. 1 no. 3:50-53 '65.

**NORTHERN DONETS—DONETS BASIN CANAL—DESIGN AND CONSTRUCTION**

Rukovskii, B. I., and P. S. Slipchenko. [Practices in the building of the Northern Donets-Donets Basin Canal] Opyt stroitel'stva kanala Severnyi Donets - Donbass. Kiev, Gosstroizdat, 1964. 178 p.

**NORWAY—LAND TENURE**

The Norwegian borders in the 11th and 12th centuries. A. I. Gurevich. Sred. veka no. 28:3-26 '64.

**NORWAY—SOCIAL CLASSES**

The Norwegian borders in the 11th and 12th centuries. A. I. Gurevich. Sred. veka no. 28:3-26 '64.

**NORWEGIAN LANGUAGE—DICTIONARIES—RUSSIAN**

[Norwegian-Russian pocket dictionary. Approximately 10,000 words.] Karmaniyni norvezhsko-russkii slovar'. Okolo 10000 slov. Sostavili V. S. Zakharov i V. P. Kolesnikov. Moskva, Sovetskaya Entsiklopediya, 1965. 615 p.

**NORWEGIAN SEA—ATMOSPHERIC TEMPERATURE**

Preliminary calculation of heat balance components of the surface of the Norwegian Sea. B. A. Kagan, S. P. Rebenok. Trudy Len. gidromet. inst. no. 17:72-88 '64.

**NORWEGIAN SEA—CARBONATES**

Carbonates in the sediments of the Norwegian-Greenland basin as indexes of the distribution of water masses. T. I. Gorshkova. Trudy VNIRO 57:297-312 '65.

**NORWEGIAN SEA—CODFISH**

Conditions for the formation of Arctic-Norwegian stock of cod of 1959, 1960 and 1961 year classes during the first year of their life. A. S. Baranenkova, N. S. Khokhlin. Trudy PINRO no. 16:185-213 '64.

**NORWEGIAN SEA—FISHES—FOOD**

Competition for food between Micromesistius and herring in the Norwegian Sea. V. K. Zil'nikov. Mat. rybn. khoz. 41 no. 4:45-48 '64.

**NORWEGIAN SEA—FORAMINIFERA**

Foraminifera in the bottom sediments of the Norwegian Sea. S. V. Tamarova, Z. G. Shchedrina. Trudy VNIRO 57:285-296 '65.

**NORWEGIAN SEA—MARINE SEDIMENTS**

Carbonates in the sediments of the Norwegian-Greenland basin as indexes of the distribution of water masses. T. I. Gorshkova. Trudy VNIRO 57:297-312 '65.

Foraminifera in the bottom sediments of the Norwegian Sea. S. V. Tamarova, Z. G. Shchedrina. Trudy VNIRO 57:285-296 '65.

**NORWEGIAN SEA—OCEAN BOTTOM**

Bottom relief of the Norwegian Sea. V. M. Litvin. Trudy PINRO no. 16:89-109 '64.

Present deposits of the Norwegian Sea. P. S. Vinogradova. Trudy PINRO no. 16:111-132 '64.

**NORWEGIAN SEA—OCEAN CURRENTS**

Horizontal circulation of waters at the watershed between the Norwegian and Barents Seas. A. G. Kisilnikov. Trudy PINRO no. 16:183-194 '64.

Wind currents of the Norwegian and Greenland Seas. G. N. Zaitsev. Trudy VNIRO 57:21-31 '65.

**NORWEGIAN SEA—OCEAN TEMPERATURE**

Characteristics of the temperature field of the Norwegian Sea. V. M. Larin. Trudy Len. gidromet. inst. no. 17:89-94 '64.

Preliminary calculation of heat balance components of the surface of the Norwegian Sea. B. A. Kagan, S. P. Rebenok. Trudy Len. gidromet. inst. no. 17:72-88 '64.

Prolonged fluctuation in thermal conditions of the Barents and Norwegian Seas. I. U. A. Bochkov. Trudy PINRO no. 16:277-288 '64.

Variability of hydrologic conditions in the southern part of the Norwegian Sea. M. A. Valerianova, E. M. Novikova. Trudy Len. gidromet. inst. no. 17:9-10 '64.

**NORWEGIAN SEA—OCEAN WAVES**

Short-period internal waves of the Norwegian Sea. K. D. Sabinin, V. A. Shulepov. Okeanologiya 5 no. 2:264-275 '65.

**NORWEGIAN SEA—OCEANOGRAPHIC RESEARCH**

Results of oceanographic studies of the Norwegian and Greenland Seas in 1960-1962. A. P. Alekseev, B. V. Istoskin, L. R. Shmatina. Trudy PINRO no. 16:133-119 '65.

**NORWEGIAN SEA—SALINITY**

Variability of hydrologic conditions in the southern part of the Norwegian Sea. M. A. Valerianova, E. M. Novikova. Trudy Len. gidromet. inst. no. 17:9-10 '64.

**NORWEGIAN SEA—TIDES**

Analysis of the structure of the tides of the Norwegian and Greenland Seas. A. V. Nekrasov. Trudy Len. gidromet. inst. no. 17:95-112 '64.

**NORWEGIAN SEA—ZOOPLANKTON**

Distribution of zooplankton in the water masses of the Norwegian Sea in the spring and autumn of 1959. A. F. Timokhina. Trudy VNIRO 57:405-424 '65.

Zooplankton production in different water masses of the Norwegian Sea. A. F. Timokhina. Trudy PINRO no. 16:165-181 '64.

**NOSE**

Histochemistry of the olfactory organ. A. A. Bronshtoin. Arkh. anat., gist. i embriol. 48 no. 4:106-110 Ap '65.

**NOSE—DISEASES**

Controlling infectious atrophic rhinitis of swine. P. S. Solomkin. Veterinaria 41 no. 6:43-47 Je '64.

Etiologic role of trichomonads in infectious atrophic rhinitis of swine. N. A. Maksimov. Veterinaria 42 no. 5:58 Mv '65.

Infectious atrophic rhinitis of swine in Uzbekistan. Kh. A. Akhunov. Veterinaria 41 no. 6:40-42 Je '64.

**NOSE—MICROBIOLOGY**

Bacteriological examination in infectious atrophic rhinitis of swine. S. A. Karpeev. Veterinaria 41 no. 6:26-27 Je '64.

**NOSE, ACCESSORY SINUSES OF—DISEASES**

Methodology for X-ray therapy of chronic inflammatory diseases of the accessory sinuses of the nose. E. L. Podil'shuk, G. G. Khramtsova. Vest. tont. i rad. 40 no. 1:55-59 Ja-F '65.

**NOOLOGY**

Problem of the causal classification of dermatoses. P. V. Kozhevnikov. Vest. derm. i ven. 38 no. 6:3-10 Je '64.

Problems in epidemiological geography. Report No. 4: Zonal, regional and residual nosological areas. I. I. Elkin, V. K. Jashkul'. Zhur. mikrobiol., epid. i immun. 42 no. 2:73-80 F '65.

Problems of epidemiological geography. Report No. 3: Global nosological areas. I. I. Elkin, V. K. Jashkul'. Zhur. mikrobiol., epid. i immun. 42 no. 1:81-87 Ja '65.

Results of clinical classification of depressive states. A. I. Plotcher. Zhur. nevrol. i psikh. 84 no. 11:1076-1082 '64.

**NOTARIES** see subdivision under Tashkent

**NOVAYA ZEMLYA—PHYSICAL GEOGRAPHY**

Olemer, A. M. [The Urals and Novaya Zemlya; a study of nature] Ural i Novaya Zemlia; ocherk prirody. Moskva, Mysl', 1965. 213 p.

**NOVIK, FELIKS SOLOMONOVICH, 1904-**

Sixtieth anniversary of F. S. Novik. Tekh. kino i telev. 6 no. 4:93 Ap '65.

**NOVOCALINE—THERAPEUTIC USE**

Intraperitoneal injection of novocaine with penicillin in dyspepsia of calves. L. G. Smirnov. Veterinaria 41 no. 4:67-68 Ap '65.

**NOVOCHERKASSK—MACHINERY INDUSTRY—AC-COUNTING**

Accounting for production costs. A. Borodkin. Bukh. uch. 22 no. 2:21-25 F '66.

**NOVOCHERKASSK—THEATER**

Wedding in Novochemkassk. N. L. Teatr 26 no. 3:123 Mr '65.

**NOVOIMANIN**

Development of the resistance of insects to insecticides to man and novomanin. V. O. Kozlov. Biol. zhur. 27 no. 3:66-71 '65.

**NOVOROSSIYSK—THEATRE**

In the building Novorossiysk. I. I. Teatr 26 no. 3:123 Mr '65.

**NOVOROSSIYSK—WORLD WAR, 1910-1915**

In the building Novorossiysk. I. I. Teatr 26 no. 3:123 Mr '65.

**NOVOSIBIRSK—AIRCRAFTS—MAINTENANCE—REPAIR**

You won't go far with only enthusiasm. G. A. Grachuk. Izv. 14 no. 6:9-11 My '65.

**NOVOSIBIRSK—GROCERY TRADE**

The customer's word. P. Zorin. Izv. 14 no. 6:9-11 My '65.

**NOVOSIBIRSK—OPERA**

In the theatre and on the stage. M. Baidin. Izv. 14 no. 6:9-11 My '65.

"Odetta" in Novosibirsk. V. M. Baidin. Izv. 14 no. 6:9-11 My '65.

**NOVOSIBIRSK—THEATRE**

Family matters. "Honor thy father." In the "Red Theatre" theater of Novosibirsk. G. A. Grachuk. Teatr 26 no. 3:123 Mr '65.

**NOVOSIBIRSK HYDROELECTRIC POWER PLANT**

Shift of the freezing edge in the tail water of the Novosibirsk Hydroelectric Power Station. V. I. Trumpe. Energ. inst. Sib. i dal. AN SSSR no. 15:11-23 '64.

**NOVOSIBIRSK PROVINCE—BANKS AND BANKING**

Practice in improving payments. N. I. Teatr 26 no. 3:123 Mr '65.

**NOVOSIBIRSK PROVINCE—ELECTRIC RAILROADS—COMMUTING TRAFFIC**

Efficient utilization of electric trains. A. I. Boronov. Zhel. dor. transp. 46 no. 5:57-59 My '65.

**NOVOSIBIRSK PROVINCE—FOOT-AND-MOUTH DISEASE**

Some characteristics of the epidemic of foot-and-mouth disease. S. I. Belousova, V. I. Baidina. Veterinaria 42 no. 6:43-45 My '65.

**NOVOSIBIRSK PROVINCE—MILLET**

Millet in Novosibirsk Province. P. M. Zaitsev. Zemel. 27 no. 5:83 My '65.

**NOVOSIBIRSK PROVINCE—PAYMENT**

Practice in improving payments. N. I. Teatr 26 no. 3:123 Mr '65.

**NOVOSIBIRSK RESERVOIR—ICE**

Thickness and structure of the ice cover of the Novosibirsk Reservoir. I. P. Butugina. Trudy Transp. 46 no. 5:57-59 My '65.

**NOVOUFIMKA (SVERDLOVSK PROVINCE)—REFINING—EQUIPMENT AND SUPPLIES**

Operation of hydroforming units at the Novo-Ufimka petroleum refinery. N. I. Baidina, I. I. Baidina, S. S. Ivanov. Neft. i neftekhim. no. 1:24-25 '65.

**NOVOZYBKOV DISTRICT—EDUCATION, PREPARATION**

For children. P. Utkin. Doshk. vosp. 38 no. 1:1-3 '65.

**NOVYY ARTEK (UKRAINE)—BUILDING**

Principles of large-scale construction at Novyy Artek. A. Pollanskii. Arkh. i. SSSR no. 4:10-14 '65.

**NUCLEAR COUNTERS**

Signal-to-noise ratio in a pulse amplifier. Trudy VZET no. 26:107-112 '64.

Vavilov, V. B. [Semiconductors and radiation] Vvedeniye v izucheniye. Moskva, Znaniye, 1965. 38 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika, matematika, astronomiya, no. 12)

**NUCLEAR MAGNETIC RESONANCE**

Complexes of aromatic hydrocarbons with metal halides and hydrogen halides. Part 2: Proton magnetic resonance spectra of complexes of methylbenzene with aluminum bromide and hydrogen bromide. V. A. Koptug and others. Zhur. obshch. khim. 35 no. 6:1441-1443 My '65.

Nuclear magnetic resonance of  $10^6$  in  $\text{NaH}_2\text{PO}_4$  and  $\text{Na}_2\text{CO}_3$ . M. P. Petrov. Fiz. i teor. 7 no. 5:1683-1686 Je '65.

Use of the nuclear magnetic resonance method in studying trifluorides of rare earth elements of the cerium group. E. A. Baidina, I. U. A. Luk'yanov, O. T. Malinukhov. Fiz. i teor. 7 no. 5:1683-1686 Je '65.

## NUCLEAR MAGNETIC RESONANCE—SPECTRA

System of controlling the excitation current for electromagnets in nuclear magnetic resonance spectrometers. I. I. Dekaban, A. R. Mikhel'son, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 1 140-152 '65.

## NUCLEAR MODELS

Applicability of an isobaric model simulating the formation of  $\Delta$ -hyperons in  $\pi$ -p-interactions. V. F. Vishnevskii and others. IAD, fiz. 1 no. 6:1101-1103 Je '65.

Calculating the free energy for model systems. N. N. Bogolubov Jr. Ukr. mat. zhur. 17 no. 3-15 '65.

Calculating the inertia moments of excited nuclei. R. Kh. Safarov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 1: 66-92 '65.

Model of the three-particle unitarity condition for complex momenta. I. A. Azimov and others. IAD, fiz. 1 no. 6:1121-1126 Je '65.

Pistonuclear reactions with alpha-particle emission and four-particle correlations in light nuclei. R. I. Dzhibul'skiy, V. I. Mamashkillov, T. S. Macharadze. IAD, fiz. 1 no. 6:976-983 Je '65.

## NUCLEAR OPTICAL MODELS

Method for calculating cross sections in an optical model. V. V. Babikov. IAD, fiz. 1 no. 6:984-989 Je '65.

## NUCLEAR PHYSICS

Use of nuclear methods in solid state physics; joint scientific session. I. M. Frank. Vest. AN SSSR 35 no. 5:96-98 My '65.

## NUCLEAR POWER see Atomic power

## NUCLEAR REACTIONS

Circular polarization of gamma quanta accompanying the  $B^{10}(d, p)B^{11}$  reaction. I. Szentpétery and others. IAD, fiz. 1 no. 6:1002-1004 Je '65.

Covariant method for calculating cross sections and its application to certain reactions induced by neutrinos. I. M. Zheleznykh. IAD, fiz. 1 no. 6:1056-1065 Je '65.

Determinability of nucleon form-factors in the case of timelike transfers of momentum. M. P. Rekalov. IAD, fiz. 1 no. 6:1066-1070 Je '65.

Energy distribution of photoelectrons from  $Si^{28}$ . B. I. Gorlachov and others. IAD, fiz. 1 no. 6:1005-1008 Je '65.

The  $(He^3, t)$  reaction on  $Be^9$ ,  $N^{14}$ , and  $O^{16}$ . K. P. Artemov and others. IAD, fiz. 1 no. 6:1010-1024 Je '65.

Interaction of 4.1 Mev. neutrons with tritium. G. I. Helikshov, A. N. Prokof'ev. IAD, fiz. 1 no. 6:1009-1013 Je '65.

Reaction with two-meson production, and unitary symmetry. V. P. Belov. IAD, fiz. 1 no. 6:1137-1138 Je '65.

Regularization of a Chew-Low type equation for the process  $\pi^+N \rightarrow \pi^+N$  in the approximation of a fixed fixed nucleon. M. F. Islamov, I. Sh. Khodzhaev. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 1:60-68 '65.

Spectrum of internal conversion electrons in the nuclear reaction  $Tel^{28}(\gamma, 2n)Xe^{130}$ . V. L. Chikhladze. IAD, fiz. 1 no. 6:1127-1128 Je '65.

Study of the reaction  $(p, p^+)$  on  $^{115}In$  by the radiochemical method. V. N. Rybakov, N. S. Mal'tseva. Radiokhimiya 7 no. 1:90-95 '65.

Use of the neutron-proton coincidence method in studying the angular and energy correlations in the  $^{60}Co(\beta, n)^{60}Ni$  reaction. O. F. Nemets, M. V. Sokolov, B. G. Struzhko. IAD, fiz. 1 no. 6:1014-1018 Je '65.

## NUCLEAR REACTORS

Electrical section of the reactor of the first atomic power plant. I. V. Morozov. Elek. sta. 36 no. 4:45-49 Ap '65.

## NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur.: IAD, reak. no. 6 Je '65.

## NUCLEAR SPIN

Crossing symmetry and helicity amplitudes. E. L. Surkov. IAD, fiz. 1 no. 6:1113-1120 Je '65.

Energy levels and relative intensities of nuclear quadrupole resonance lines for certain integral spins. N. E. Afanador, V. S. Grechishkin. Izv. vuz. ucheb. zap., radiofiz. 6 no. 2:410-420 '65.

Isosopin in heavy nuclei. I. A. Sil'y, I. U. Kharitonov. IAD, fiz. 1 no. 6:1129-1131 Je '65.

Magnetic moment of a particle with variable spin  $1/2 \rightarrow 3/2$ . F. I. Fedorov, S. I. Lobko. Dokl. AN SSSR 9 no. 3:147-151 Mr '65.

Multiplication of currents by the admittance  $\Delta T \approx 3/2$  in  $\Delta$ -hyperon decay. I. U. Kobzarev, L. B. Okun'. IAD, fiz. 1 no. 6:1134-1136 Je '65.

Nuclear resonance absorption of ultrasound in crystals containing paramagnetic impurities. Sh. F. Murtazin. Fiz. tver. tela 7 no. 6:1690-1695 Je '65.

Theory of nuclear spin diffusion in ferromagnets. L. L. Bulshvili. Fiz. tver. tela 7 no. 6:1671-1672 Je '65.

Theory of spin absorption by donor electrons in semiconductors. A. F. Volkov. Fiz. tver. tela 7 no. 6:1612-1614 Je '65.

## NUCLEASES

Biological role of nucleases in normal and tumoral growth. I. A. Rovenskiy. Usp. sov. biol. 50 no. 3:354-373 My-Je '65.

Nuclease formation by hemolytic Streptococci. L. M. Pavlova. Mikrobiol. zhur. 27 no. 3:12-16 '65.

## NUCLEI, ATOMIC

Absorption of gamma quanta and stopped  $\pi^+$ -mesons by nuclei with emission of two nucleons, and the structure of light nuclei. T. I. Kopaleishvili. IAD, fiz. 1 no. 6: 961-970 Je '65.

Applicability of the evaporation theory in describing the emission of multiply charged particles from heavy nuclei. F. G. Lepekhin, M. M. Makarov, L. N. Tkach. IAD, fiz. 1 no. 6:987-993 Je '65.

The doublet length of neutron-deuteron scattering and the three-nucleon bound state allowing for tensor forces. A. G. Sitenko, V. F. Kharchenko. IAD, fiz. 1 no. 6:991-1001 Je '65.

## NUCLEIC ACID METABOLISM

Content and intensity of nucleic acid metabolism in the brain of guinea pigs exposed to X-ray irradiation. E. F. Sopin, M. E. Kucherenko. Ukr. biokhim. zhur. 37 no. 2:251-259 '65.

Dynamics of the content of nucleic acids in intramural node neurons in compensatory hyperfunction of the heart. E. M. Krokhina, F. Z. Meerson. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:55-56 '64.

Effect of cortisone on the content of nucleic acids in the lymphoid tissue of rabbits immunized with thymoid fever vaccine. L. I. Krasnoproshtina. Zhur. mikrobiol., epid. i immun. 42 no. 1:21-27 Ja '65.

Effect of insulin on the exchange of nucleic acid phosphorus in the rat brain. G. Kh. Bozhko. Probl. endok. i gorm. 10 no. 6:82-86 S-O '64.

## NUCLEIC ACIDS

Antigenic properties of deoxyribonucleic acid. A. G. Skavronskaya. Usp. sov. biol. 59 no. 3:374-384 My-Je '65.

Change in the properties of deoxyribonucleic acid of the bone marrow following X-ray irradiation of an animal. G. A. Krivskiy and others. Biokhimiya 29 no. 4:701-703 Ji-Ag '64.

Chemiluminescence of DNA solutions following X-ray irradiation. N. M. Esmamov and others. Trudy MOIP. Old. biol. 21:119-121 '65.

Complex methodology of silver impregnation with Vogt's reaction. K. K. Sergeev. Biol. eksp. biol. i med. 59 no. 6:117-118 Je '65.

Cytochemical study of the testes in fishes. Report No. 1. Nucleic acids, proteins and polysaccharides. N. A. Butskaya. Arkh. anat., gist. i embr. 48 no. 4:17-23 Ap '65.

Early proteins of myxoviruses. A. G. Bukrinakala, A. K. Gtel'man, G. K. Vorkunova. Vop. virus. 9 no. 5: 560-575 S-O '64.

Formation of methylene bridges in the reaction of ribonucleic acid with formaldehyde. M. A. Feldman. Biokhimiya 30 no. 1:203-207 Ja-F '65.

Isolation and properties of DNA of sturgeon oocytes. Zh. G. Shmorling. Biokhimiya 30 no. 1:133-123 Ja-F '65.

Nucleic acid synthesis in synchronous E. coli cultures. G. D. Berdyshev. Izv. SO AN SSSR no. 12 Ser. biol.-med. nauk no. 3:151-153 '64.

Polyelectronic organization of viral RNA. V. M. Zhdanov, V. M. Stakhanova, F. I. Erashov. Vop. virus. 9 no. 5:561-569 S-O '64.

Relationship between ribonucleic acid dynamics and electrical activity of the single stretch neuron of the crayfish muscle during excitation and inhibition. A. B. Kogan, S. L. Zaguskin. Zhur. evol. biokhim. i fiziol. 1 no. 1:55-66 Ja-F '65.

Some results of a study of tissue antiviral immunity. V. D. Solov'ev. Vop. virus. 9 no. 5:580-587 S-O '64.

Study of the electrophoretic fractionation of RNA in an agar gel by direct densitometry method in an ultraviolet field. R. T. Sanov. Biokhimiya 30 no. 1:124-128 Ja-F '65.

Study of the reaction of native and denatured DNA with a chromophore derivative of nitrogen pyrite. T. M. Morozova, F. L. Gorel', R. I. Saigank. Biokhimiya 30 no. 1:67-73 Ja-F '65.

Transformation of amino acyl-sRNA into dipeptidyl-sRNA by using water-soluble carbodiimide. V. K. Altunina, S. N. Zagrebelskiy, D. G. Knorre. Biokhimiya 30 no. 1: 180-184 Ja-F '65.

## NUCLEIC ACIDS—SPECTRA

Yankstern, T. V., and A. A. Baev. [Absorption spectra of minor bases, their nucleosides, nucleotides, and some other oligoribonucleosides] Spektro pogloscheniya minornykh osnovaniy, ikh nukleozidov, nukleotidov i nekotorykh oligoribonukleotidov. Moskva, Nauka, 1965, 45 p.

## NUCLEONS

Determinability of nucleon form-factors in the case of timelike transfers of momentum. M. P. Rekalov. IAD, fiz. 1 no. 6:1066-1070 Je '65.

## NUCLEUS (CELLS) see Cell nuclei

## NUCLEOTIDASES

Properties of 5'-nucleotidase of the Vipera lebetina venom. I. I. Nikol'skaya, O. S. Kisilina, T. I. Tikhonenko. Biokhimiya 30 no. 1:107-112 Ja-F '65.

## NUCLEOTIDES

Effect of serotonin on the free nucleotide content in the brain tissue of rabbits. M. D. Kut'skiy, O. M. Zilakov. Ukr. biokhim. zhur. 36 no. 5:579-584 '64.

Nucleotide composition of DNA in various strains of Escherichia coli. V. I. Gladkaya. Zhur. mikrobiol., epid. i immun. 42 no. 2:3-8 F '65.

## NUMBERS, THEORY OF

Note on the author's paper: "New applications of IU. V. Linnik's 'big sieve'". M. B. Barban. Teor. ver. i stat. i mat. stat. no. 1:130-133 '61.

Representation of numbers by certain quadratic forms with four variables. Part 3. L. A. Kogan. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 2:5-10 '65.

## NUMERICAL WEATHER FORECASTING

One variant of numerical forecasting of the transferences of typhoons by a three-dimensional model. Tran-van-Thu. Meteor. i gidrol. no. 7:40-45 Ji '65.

Solution of problems of mesometeorology by the numerical method. V. L. Katkov. Meteor. i gidrol. no. 7:32-37 Ji '65.

## NURATAU MOUNTAINS—FORAGE PLANTS

Developmental rhythm of some forage plants at different altitudes of the Nuratau Mountains. K. Khaidarov. Uzb. biol. zhur. 9 no. 1:49-52 '65.

## NURSERIES (HORTICULTURE)

Mechanization of fruit nursery production. V. I. Iatsev. Zashch. rast. ot vred. i bol. 10 no. 4:36 '65.

## NURSERIES (HORTICULTURE)—IRRIGATION

Organizing the area and the irrigation network for the watering of berry patches and fruit tree nurseries using the KDU-55M unit. I. U. A. Markov. Sbor. nauch. rab. NIi sad. no. 10:128-135 '61.

## NURSERY STOCK

Improve the planting of seedlings. M. Chubarin. Tekhn. v sel'khoz. 25 no. 5:46-53 My '65.

## NURSERY STOCK—DISEASES AND PESTS

Control of aphids in nurseries. V. I. Andreeva, M. I. Burtul'skaya. Sbor. nauch. rab. NIi sad. no. 10:141-145 '64.

## NUT TREES see subdivision under Tajikistan

## NUTRITION

Effect of mixed and basically protein food on the condition of heat regulation. R. Akhmedov, Z. T. Tursunov. Uzb. biol. zhur. 9 no. 1:27-31 '65.

Have you thought about it? O. I. Shvetsova. Nach. shkola 33 no. 6:41-44 Je '65.

Ontogenesis of the adrenal glands and thymicolympathoid organs under normal conditions and following intermittent growth-inhibiting diet. V. N. Nikitin and others. Zhur. evol. biokhim. i fiziol. 1 no. 1:45-51 Ja-F '65.

Pokrovskiy, A. A. [Talks about nutrition] Besedy o pitanii. Moskva, Ekonomika, 1964, 286 p.

## NYLON

Increasing the mechanical strength of polycaprolactam during the thermal processing. A. M. Artyev and others. Khim. prom. (Ukr.) no. 2:10-11 Ap-Je '65.

High-speed KE-1-200-1 double-deck twister. V. A. Zaslavtseva, A. I. Gofman. Khim. volok. no. 2: 64 '65.

The "PPK-1" preparation composition for the formation of nylon fibers. E. S. Gurdzhi and others. Khim. volok. no. 2:60-61 '65.

Relation between the length of capron netting and the size and duration of additional load. L. M. Lomakina. Ryb. khoz. 41 no. 5:42-43 '65.

## NYLON—ANALYSIS

Quantitative determining of the oil content of nylon fibers. L. A. Dmitrieva, F. A. Trofimov. Khim. volok. no. 2:62-63 '65.

## NYLON—TESTING

Mechanical properties of capron fibers cross-linked with bifunctional compounds. L. G. Smol'nikova, A. A. Konkin. Khim. volok. no. 2:28-30 '65.

## OB' RIVER—ICE

Shift of the freezing edge in the tail water of the Novosibirsk Hydroelectric Power Station. V. P. Ergin. Trudy Transp.-energ. inst. Sib. old. AN SSSR no. 15:24-28 '64.

## OB' VALLEY—WEED CONTROL

Extirpation of shrubs and meadow weed plants using herbicides in the Ob' Valley. S. D. Shumilov. Vest. sel'khoz. nauki 8 no. 8:47-52 Ag '63.





## OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Selecting the design of a swivel eye. I. P. Kulicv, Sh. M. Aliev, V. M. Maindel'man Mash, i neft. obor., no. 5-10-14 '65.

Some problems in the design of pipe elevators G. V. Malchanov, Mash, i neft. obor., no. 5-5-10 '65.  
Using a tool with antisticking spiral grooves in deep drilling. T. A. Khilina, T. S. Sulphanshvil, G. M. Dil'mov, Mash, i neft. obor., no. 5-3-5 '65.

## OIL WELL DRILLING—VIBRATION

Vibration compensator for a drilling tool. Neft. khoz. 43 no. 5-17-20 My '65.

## OIL WELL DRILLING, ELECTRIC

Analysis of transient processes in an electric drill in case of symmetrical and nonsymmetrical current supply. T. A. Mamedov, Za tekhn. prog. 5 no. 3-24-21 Mf '65.

## OIL WELL DRILLING FLUIDS

Effect of the dynamic filtration of drilling fluids on well cavities in deep wells. G. P. Bochkarev, S. Z. Zaripov, Burenie no. 10-22-21 '64.

Prediction of "sun" in the Andzhan Hydrolysis Plant. T. V. Izumrudova and others, Gidroliz i lesokh. prom. 18 no. 4-16-17 '65.

Side tracking and two-hole drilling in the Oil Field Administration of the Buzovny Petroleum Trust using three-phase foam. N. B. Salikhov, A. A. Kodzhanov, Nefteprom delo no. 1-26-28 '63.

System for controlling the structural and mechanical properties of clay muds. S. I. Zhukhovitskii, Neft. khoz., 43 no. 3-27-31 Mf '65.

Using jet-cutting mills in the weighting of circulating fluids. Z. A. Deniukin, M. A. Reiman, S. F. Shumilov, Neft. i gaz. prom. no. 2-20-30 Ap-Je '65.

## OIL WELL DRILLING FLUIDS—ANALYSIS

Simple method for determining the gas content in foaming clay mud. A. N. Iarov, Neft. i gaz. prom. no. 2-26-29 Ap-Je '65.

## OIL WELL DRILLING RIGS

(see also subdivision under Bashkiria)

Changing the design of the holding unit of a cable guide arm in order to eliminate local damage to the draw-works drum. I. A. Giletsko, A. K. Smolina, Mash, i neft. obor., no. 5-30-40 '65.

## OIL WELL DRILLING RIGS—EQUIPMENT AND SUPPLIES

Manufacturing welded deck of boring rigs. N. I. Ryzikov, V. D. Antolevich, V. I. Samoilenko, Svar. proizv., no. 5-30-31 My '65.

OIL WELL LOGGING see subdivision under Kama Valley

## OIL WELL PUMPS

Sinking pump motors for use in petroleum production. A. A. Bogdanov, Elektr. tekhnika 36 no. 3-9-11 Mf '65.

## OIL WELL SHOOTING

Deformation of pipes caused by an explosion of charges from the detonating cord. N. K. Kuz'mina, Burenie no. 10-36-39 '61.

OIL WELLS—ACIDIZATION see subdivision under Carpathian Mountain region

## OIL WELLS—HYDRAULIC FRACTURING

Effect of external pressure on the granulometric composition of natural and artificial sands. L. A. Kotseruba, G. T. Ovnatnov, V. I. Goidan, Nefteprom delo no. 4-20-26 '65.

Effect of hydraulic fracturing and an impermeable septum on the productivity of wells in a nonuniform bed. V. I. Bobanly, Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 3-81-86 '64.

OIL WELLS—TESTING see subdivision under Ukraine

## OILS AND FATS

(see also subdivision under Europe, Western)  
Dependence of  $\eta_{sp}/c$  and  $T_g$  in polymerized vegetable oils on the molecular weight of their samples. S. N. Kolesov, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 0 no. 1-89-75 '65.

## ointments

Effect of some components of ointment bases on the penetration of chlortetracycline through intact skin in rabbits. V. K. Vasil'ev, E. N. Lazareva, V. I. Pochap'skii, Antibiotiki 10 no. 5-422-445 My '65.

Experimental and clinical studies on ointments containing tetracycline. L. K. Rubtsova and others, Antibiotiki 10 no. 5-472-475 My '65.

Experimental studies on the effect of polyorganosiloxane liquids on the reactivity of the skin. M. T. Allushin, E. A. Il'yeva, Vest. dermat. ven. 38 no. 5-29-34 Je '61.

## OKA VALLEY—CLEARING OF LAND

Ploughing under shrubs in floodlands. M. Putiatin, E. E. Iarov, Tekhn. v. sel'khoz. 25 no. 5-30-32 My '65.

## OKHOTSK, SEA OF—ALGAE

Distribution of algae near the shores of western Kamchatka. V. B. Vozzhinskaya, Okeanologiya 5 no. 2-348-353 '65.

## OKHOTSK, SEA OF—AMPHIPODA

New amphipod species of the family Lysianassidae (Amphipoda, Gammaridea) from the Sea of Okhotsk. V. A. Kudrinsk, Zool. zhurn. 41 no. 4-513-520 '65.

## OKHOTSK, SEA OF—SEA ICE DRIFT

Calculation of the movement of the edge of drift ice; based on the example of the Sea of Okhotsk. K. I. Kudrinsk, Trudy Len. gidromet. inst. no. 17-162-168 '61.

## OKHOTSK, SEA OF—SEALS (ANIMALS)

Morphological characteristics of the Okhotsk seal Pusa hispida (L.) (Pinnipedia, Mammalia) in the Sea of Okhotsk. G. A. Fedoseev, A. V. Labikov, Zool. zhurn. 44 no. 5-758-765 '65.

## OKHOTSK SEA REGION—VALLEYS

Origin of ancient valleys in the beds of the Late Mesozoic depressions in the Mongolian-Okhotsk belt. I. A. M. Kisl'kov, Geotektonika no. 3-99-103 My-Je '65.

## OKROPIZHDE, VISSARION IRODONOVICH, 1886-1964

V. I. Okropidze; an obituary. N. G. Kamalov, D. P. Svanidze, Med. parazit. i parazit. bol. 33 no. 6-757 N-D '64.

## OLD AGE

Dynamics of psychopathies in old age. V. I. Sainke, Zhurn. nev. i psikh. 64 no. 11-1888-1896 '64.

Spatial synchronization of the  $\alpha$ -activity in the cerebral cortex in elderly and senile persons. T. V. Morozova, Zhurn. nev. i psikh. 65 no. 6-868-873 '65.

## OLD AGE—DISEASES see Geriatrics

## OL'DEROGGE, DMITRI ALEKSEEVICH, 1903-

Dmitri Alekseevich Ol'derogge, on the occasion of his 60th birthday. A. I. Sobchenko, Sov. etn. no. 3-141-144 My-Je '64.

## OLEFINS

Dehydrochlorination of polyvinyl chloride and some chemical properties of a polyene produced. V. A. Dodonov, G. G. Petukhov, G. A. Razuvaev, Izv. AN SSSR, Ser. Khim. no. 6-1109-1110 '65.

Role of a solvent in the reactions of halogenation of olefins with a quaternary carbon atom at a double bond. I. V. Bodil'kov, Z. S. Smolkin, G. A. Kotchagina, Zhurn. ob. khim. 35 no. 5-933 My '65.

## OLEIC ACID

Chemiluminescence of oleic acid. L. T. Tkhor, Trudy MGPI, Old. biol. 21-203-205 '65.

## OLIGOSACCHARIDES

Study of oligosaccharides in some plants. V. I. Bazmova, T. I. A. Solov'eva, A. I. Grimm, Ukr. biokhim. zhurn. 30 no. 5-735-738 '64.

## OLINIK, STEPAN

Duz', I. M. [Stepan Olinik; sketch of his life and work] Stepan Olinik; narys pro zhyttia i tvorchist', Kyiv, Radians'kyi pys'mennyk, 1964. 117 p. (CAOTU)

## OMASUM—DISPLACEMENT

Torsion of the omasum and abomasum in cows. O. Ch. Paichinski, A. V. Shilin, Veterinaria 11 no. 6-77-78 Je '64.

## OMENTUM—BLOOD SUPPLY

Some problems of vascular connections of the omental graft with the wall of the urinary tract after its omentopexy. M. N. Zil'berman, Arkh. anat., gist. i embr. 47 no. 10-73-75 O '64.

## OMSK—ADMINISTRATIVE ACTS

Prosecutorial supervision of the legality of the acts of administrative committees. A. Gnetov, Sots. zakon. 42 no. 6-46-47 Je '65.

## OMSK—PETROLEUM INDUSTRY—HYGIENIC ASPECTS

In defense to those who seek ch. E. Semenov, Okhr. tuda i sots. strakh. 8 no. 1-23-24 Ap '65.

## OMSK—SOVIETS

Prosecutorial supervision of the legality of the acts of administrative committees. A. Gnetov, Sots. zakon. 42 no. 6-46-47 Je '65.

## OMULEVKA VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Ordovician sediments in the Omulevka Mountains (northeast of the U.S.S.R.). A. I. Sidlachenko, A. V. Kanygin, Geol. i geofiz. no. 3-151-155 '65.

## ONCOLOGY

Problems of oncological safety of live viral vaccines. A. T. Kravchenko, A. D. Alt'shtein, Vop. virus. 9 no. 5-527-533 S-O '64.

## ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhurn.: Ob. vop. pat. Onk. nos. 12-13 Je-Jl '65.

## ONCOLOGY—PERIODICALS

Tenth anniversary of the periodical "Voprosy onkologii." Vop. onk. 11 no. 1-3-5 '65.

## ONTOGENY

Change in the form and size of actomyosin particles of striated muscles in ontogeny. G. P. Pinaev, Biokhimiia 30 no. 1-20-32 Ja-F '65.

Functional state of the chondriome of the chloride-secreting cells of the gills in strigens in the early stages of ontogeny. L. S. Kravushkina (Chusovikina), Arkh. anat., gist. i embr. 48 no. 4-45-48 Ap '65.

Mechanisms of the formation of inhibition in ontogeny. I. A. Arshavskii, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7-12-13 '64.

Ontogenesis of the adrenal glands and thymicolympathoid organs under normal conditions and following intermittent growth-inhibiting diet. V. N. Nikitin and others, Zhurn. evol. biokhim. i fiziol. 1 no. 1-45-51 Ja-F '65.

Problem of lability in the light of physiological ontogenic data. I. A. Arshavskii, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7-14-15 '64.

Relation of morphological structures to histochemical properties of the sensorimotor cortex in rabbits during the period of formation of the negative phase of evoked potentials in early ontogeny. I. A. Chernyshevskaya, Trudy Inst. norm. i pat. fiziol. AMN SSSR 7-108-109 '64.

## OOGENESIS

Electron microscope study of oogenesis in sheep. A. Muramadiyev, Izv. AN Kazakh. SSR, Ser. biol. nauk 3 no. 1-97-102 Ja-F '65.

## OPEN-CUT MINING see Strip mining

## OPEN-HEARTH FURNACES

Automatic gas analysis. E. A. Nechaev, Metallurg 10 no. 6-24 Je '65.

Experience in the automatic control of thermal conditions of a large-capacity open-hearth furnace. I. U. N. Tulucskii and others, Metallurg 10 no. 5-20-22 Je '65.

## OPEN-HEARTH FURNACES—CLEANING

Cleaning the checkerwork, checker flues, and smoke flues from flue dust during the operation of an open-hearth furnace. L. M. Nikulin and others, Stal' 25 no. 5-560-567 Je '65.

## OPEN-HEARTH FURNACES—COOLING

Cooling the front and back walls of open-hearth furnaces. Metallurg 10 no. 5-22-23 My '65.

## OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Investigating efficient refractories for the checkerwork of open-hearth furnaces. Zh. A. Vydrina, A. P. Klutchev, Stal' 25 no. 6-522-528 Je '65.

## OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Operation of an acid open-hearth furnace fired with natural gas. I. V. Pavlov, L.N. proizv. no. 2-43 F '65.

## OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Accelerating the firing of open-hearth furnaces. A. P. Klutchev, V. F. Gritskikh, B. N. Shisharin, Stal' 25 no. 5-517-521 Je '65.

Rapid reconducting of an open-hearth furnace hearth. G. I. Barysinikov, A. S. Feldenberg, V. I. Gudov, Metallurg 10 no. 5-17-19 My '65.

Repair of back walls and corners of open-hearth furnaces by means of gunting. V. K. Kozlov, Metallurg 10 no. 5-22 My '65.

## OPEN-HEARTH PROCESS

Alloying open-hearth steel with exothermic ferroalloys in the ladle. A. N. Morozov and others, Stal' 25 no. 5-412-414 My '65.

Production of crumbling open-hearth furnace slag. O. I. Iatsunskaya and others, Metallurg 10 no. 5-20-21 My '65.

## OPERA

(see also subdivision under Kazan; Leningrad; London; Milan; Moscow; Novosibirsk; Odessa; Saratov; Slovenia; Vienna)

The composer and the theater. A. Spadavskii, I. M. Litvin, O. Dadishkili, Tetr. 26 no. 4-46-49 Ap '65.

## OPERATIONS RESEARCH

Finding critical paths in the network schedules. V. S. Mikhail'son, Ekon. i mat. metod. 1 no. 2-256-261 Mr-Apr '65.

Optimization in competitive situations in the solution of power engineering problems. V. G. Karpov, Izv. AN SSSR, Energ. i transp. no. 2-43-50 Mr-Apr '65.

## OPERATIONS RESEARCH—CONGRESSES

International conference on operational research. I. U. N. Liskovich, Ekon. i mat. metod. 1 no. 2-297-301 Mr-Apr '65.

# OPTICS (MATHEMATICS)

On the properties of multiparametric families of functions. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICS

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICOMORPHOLOGY

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICS

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICS

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICS

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICS

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# OPTICS

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# ORDNANCES

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# ORDNANCES

On the properties of the functions of the type  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  in Hilbert spaces. *Dokl. Akad. Nauk SSSR* 160 no. 3 175-176 1965.

# ORDZHONIKIDZE-DYSENTERY

Change in the resistance to dysentery in Ordzhonikidze in 1952-1953. *Zh. N. Dzhanaeva-Korova. Zh. mikrobiol. i epid. i immu.* 42 no. 1 145-148 1965.

# ORE DEPOSITS

(See also subdivision under Alma-Ata region, Uzbekistan, Azarbaijan, Chita Province, Kafan District, Karakum Mountains, Kavalerovo region, Maritime Territory, Kurama Range, Sayan Mountains, Soviet Far East, Transbaikalia, Udokan Range region, Uzbekistan) Aspects and methods for studying endogenous ore formations. I. N. Ovechinnikov. *Liv. AN SSSR, Ser. geol.* 30 no. 6 9-15 1965.

Criteria for the identification of transverse tectonic disturbances with a small shift using magnetometry. S. S. Kravoskii. *Geofiz. sbor.* no. 8 88-91 1964.

Kuz'menko, M. V., and M. A. Akcln. [Genesis of sub-alkaline granitoids and albitites connected with them and the distribution of tantalum and niobium in them] *Genesis subshchelochnykh granitoidov i svyaznykh s nimi albititov i zakonomenosti raspredeleniya v nich tanfala i niobia. Moskva, Nauka, 1965. 119 p.*

ORE DEPOSITS—MAPS see subdivision under Soviet Central Asia

ORE DEPOSITS—MICROBIOLOGY see subdivision under Kazakhstan

# ORE DRESSING

(See also subdivision under Murgalskaya, Kazakhstan; Sokolovka-Sarbay region, Kuslanay Province) [Dressing of brown iron ores] *Obozneniye burykh zheleznykh. [By] V. T. Barishpolets i dr. Moskva, Nedra, 1965. 201 p.*

# ORE DRESSING—CONGRESSES

Alma-Ata. Kazakhskii politekhnicheskii institut. [Full treatment of complex metal ores, transactions of the All-Union Scientific and Technical Conference held in December 1962] *Kompleksnaya pererabotka polimetalicheskogo syr'ya. Trudy Vsesoyuznoi nauchno-tekhnicheskoi konferentsii, dekabr' 1962 g. Moskva, Metallurgiya, 1965. 423 p.*

# ORE DRESSING—COSTS

Seasonal fluctuation of technological indices for dressing complex metal ores. M. M. Poliakov and others. *TSvet. met.* 38 no. 3 13-16 1965.

# ORE DRESSING—EQUIPMENT AND SUPPLIES

(See also subdivision under Tyrmayuz, Kabardya) Rolling of special sections for the screens of jiggling machinery. B. M. Hukovich, S. E. Meikur'ev. *Metal-lurg* 10 no. 5 30-31 1965.

# ORE DRESSING—FINANCE see subdivision under Ukraine

# ORE DRESSING—STATISTICS

Economic analysis of industrial processes in ore dressing and metallurgical plants. A. P. Kalina. *Izv. vyz. ucheb. zav., tsvet. met.* 8 no. 1 150-165 1965.

# ORE HANDLING—EQUIPMENT AND SUPPLIES

Load carrying capacity of vibration equipment for the drawing of ore. O. L. Vitynovich. *Bezop. truda v prom.* 9 no. 3 44-45 1965.

# OREL—BANKS AND BANKING—ACCOUNTING

How the centralization of accounting benefited us. A. Barashina. *Den. i kred.* 23 no. 6 61-63 1965.

# OREL PROVINCE—HISTORY

Orel (Province) *Upravleniye vnutrennikh del. Arkhivnyi otdel.* [Revolutionary movement in Orel Province during the first Russian Revolution, 1905-1907; documents and materials] *Revolutsionnoe dvizheniye v Orl'ovskoi gubernii v period pevoi russkoi revoliutsii, 1905-1907 godov, sbornik dokumentov i materialov. Orel, Orl'ovskaya pravda, 1957. 227 p.*

# OREL PROVINCE—POTATOES

Ways to improve the potato processing enterprises of the Orel Province. N. D. Chekmarev. *Sakh. prom.* 39 no. 4 54-56 1965.

# OREL PROVINCE—STARCH INDUSTRY

Ways to improve the potato processing enterprises of the Orel Province. N. D. Chekmarev. *Sakh. prom.* 39 no. 4 54-56 1965.

# ORENBURG—ECONOMIC GEOGRAPHY

Quantitative evaluation of economic and geographical condition of cities. V. S. Varlamov. *Vop. geog.* no. 66; 130-140 1965.

# ORENBURG—MILLET—CLEANING

Practices in the use of double-deck machines for scouring of millet at the Orenburg Grain Plant. E. Kondrat'ev and others. *Sukh. elev. prom.* 31 no. 3 18-19 1965.

# ORES—CLASSIFICATION

Problem of classifying rocks and ore differing slightly in normal physical properties. V. I. A. Zhavoronkov, E. M. Filippov. *TSvet. met.* 38 no. 5 18-19 1965.

# ORES—CRUSHING AND GRINDING

Studying the ability of heavy minerals in the grinding cycle is an important potential in increasing metal production. I. S. Radeev. *Tsvet. met.* 37 no. 3 13 1965.

# ORES—SAMPLING AND ESTIMATION

Experimental mathematical study of the problem of estimating the optimum area of a mineral deposit. *Geokhimiya* no. 2 222-230 1965.

Method for sampling one of the pyrite deposits in Northern Caucasus. V. P. Abashkin. *Tsvet. met.* 37 no. 12 3-10 1965.

# ORGANIC ACIDS see Acids, Organic

# ORGANIC CHEMISTRY see Chemistry, Organic

# ORGANIC COMPOUNDS

Adsorption peaks of organic substances at various concentrations of adsorbate. G. A. Tikhonov. *Tsvet. met.* 37 no. 12 3-10 1965.

Determination of chlorophylls in plant tissues. N. A. Novikova. *Tsvet. met.* 37 no. 12 3-10 1965.

Determination of the adsorption characteristics of organic compounds on a mercury electrode. *Tsvet. met.* 37 no. 12 3-10 1965.

# ORGANIC COMPOUNDS—ELECTRIC PROPERTIES

Current carrier motion in organic substances. E. I. Frankovich. *Tsvet. met.* 37 no. 12 3-10 1965.

# ORGANIC COMPOUNDS, EFFECT OF RADIATION ON

"Stepwise" recombination of free radicals in organic substances. Part 2: kinetic data for the reaction of a method for evaluation of kinetic constants. S. I. Mikhailov. *Tsvet. met.* 37 no. 12 3-10 1965.

# ORGANIC MATTER see subdivision under Barents Sea, Greenland Sea; Pacific Ocean; Siberia

# ORGANIZATION OF AFRICAN UNITY

Attacks against African unity. I. A. Linger. *Mezhdunar. zhizn'* 12 no. 7 13-14 1965.

# ORGANIZATION OF AMERICAN STATES

Interventionists dotted the map. I. I. Kamyshin. *Mezhdunar. zhizn'* 12 no. 7 13-14 1965.

Johnson's thesis in to legalize armed intervention. S. S. Mikhailov. *Mezhdunar. zhizn'* 12 no. 7 13-14 1965.

# ORGANOMETALLIC COMPOUNDS

Mechanism of the reaction between polyvinyl alcohol and organometallic compounds. L. V. Golovina. *Tsvet. met.* 37 no. 12 3-10 1965.

New trends in chemistry. O. I. Kozlov. *Komunist* 33 no. 10 78-87 1965.

Study of O- and C-organometallic compounds. Part 1: Reaction of dialkylhalogenomethane and dialkylhydrazines with esters of mercury dihalides. I. I. Baukov, I. I. Belykh, I. I. Vitynovich. *Tsvet. met.* 37 no. 12 3-10 1965.

# ORGANS, CULTURE OF

Dynamics of fat accumulation in the culture of a fat sort under various cultivation conditions. I. I. A. Pat. *Tsvet. met.* 37 no. 12 3-10 1965.

# ORIENTAL ART see Art, Oriental

# ORIENTAL LANGUAGES—ETYMOLOGY

Etymology of the word "innur." I. I. Khailov. *Nauch. trudy TsSU* no. 247. *Filol. nauki* no. 28 39-43 1964.

# ORIENTAL LITERATURE—HISTORY AND CRITICISM

Results of the discussion on the periodization of the history of Oriental literature. I. I. Braginskii. *Nar. Az. i Afr.* no. 3 103-109 1965.

# ORIENTAL SORE see Delhi boil

# ORIENTAL STUDIES see subdivision under Bulgaria

# ORIENTAL STUDIES—BIBLIOGRAPHY see Bibliography—Oriental studies

# ORIENTATION

Effect of adrenaline on the nervous mechanism of the orienting reflex. B. A. Kontandov. *Zh. vyz. med. del.* 14 no. 6 978-983 1964.

# ORLENEVA, EKATERINA STEPANOVNA

Artist of the guard. Viktor Bukhanov. *Teatr* 20 no. 5 144-145 1965.

# ORNITHOLOGICAL RESEARCH

Interesting acquisitions of the last few years by the Ornithological Section of the Zoological Museum of the Moscow University. A. M. Sudilovskaya. *Sbor. trud. Zool. muz. MGU* 9 203-213 1965.

ORNITHOSIS see subdivision under Latvia

#### ORPHANS AND ORPHANAGES

One must believe S. Glukhovskii, Sem'la i snokla 20 no 4 24-26 Ap '65.

#### ORSH—STREET RAILWAYS

Main concern, I.A. Gibert, Zhil.-kom.khoz, 15 no.1, 6-7 Ja '65.

#### ORTHODOX EASTERN CHURCH

Decisions of the Holy Synod, Zhur. Mosk. Patr. no 6 2-3 '65

Merzlova, G. K. [In search of salvation] V polskakh spasen'ia, Minsk, Belarus', 1965, 68 p. Services of His Holiness Patriarch Aleksei, Zhur. Mosk. Patr. no 6 6 '65

What is the real substance of "moral theology," V. Dolin, Komm. Ukr. 39 no. 6:76-82 Je '65.

#### ORTHODOX EASTERN CHURCH—CLERGY

Cultures, Zhur. Mosk. Patr. no. 6:22-21 '65.

#### ORTHODOX EASTERN CHURCH—RELATIONS

At diplomatic receptions, Zhur. Mosk. Patr. no 6:4 '65

Brief news, Zhur. Mosk. Patr. no. 6:1-5 '65.

Easter greetings received by His Holiness Patriarch Aleksei from the heads of churches, Zhur. Mosk. Patr. no 6:3-1 '65

Meeting of the Committee "Faith and Church Organization" in Aarhus (Denmark) Archbishop Aleksei, Zhur. Mosk. Patr. no 6:49-52 '65.

#### ORTHOGONAL SERIES see Series, Orthogonal

#### OSCILLATIONS

Amplitude determination in the case of oscillations of a solid body about the center of mass, R. F. Ganev, Izv. AN SSSR, Mekh. no. 2:163-167 Mr.-Ap '65.

Emission of monopulses of coherent light by a two-component medium with negative absorption, V. I. Bozdolov and others, Zhur. eksp. i teor. fiz. 48 no. 3:845-849 Mr '65.

#### OSCILLATORS

Average lifetime of active molecules and oscillator models of monomolecular reactions, E. E. Nikitin, Kina, i kat. 6 no. 1:17-22 Ju.-F '65

#### OSCILLATORS, ELECTRIC

Study of a wire generator, IU. M. Tsodkov, Avtom. i telem., 28 no. 3 558-562 Mr '65.

#### OSCILLATORS, ELECTRON-TUBE

Universal signal generator, G. Kisel', Radio no. 3 54-56 Mr '65

#### OSCILLATORS, TRANSISTOR

Evaluation of maximum frequency generation of drift transistors, V. N. Konstantinovskii, Radiotekhnika 20 no. 4:53-61 Ap '65.

Oscillator with automatic readjustment of frequency for linear conversion of capacitance to oscillatory period, V. S. Gutanov, Izv. tekhn. no. 2:46-48 F '65.

Portable Z-meter generator, V. M. Konstantinov, K. Kh. Erans, Vest. svyazi 25 no. 4:10-11 Ap '65.

#### OSCILOGRAPHY

Importance of the uniformity and the rhythm of oscillations in decoding oscillograms, A. A. Fokina, Trudy Inst. in. N. V. Sklif. 5 no. 2:101-114 '62.

Oscillography in operations for arterial and arteriovenous aneurysms of the extremities, A. A. Fokina, Trudy Inst. in. N. V. Sklif. 5 no. 2:115-123 '62.

#### OSHI—THEATER

Theater in the city of Osh, E. Koroleva, Teatr 20 no. 1:88-99 Ja '65.

#### OSMOSIS

Changes in the osmotic resistance of erythrocytes in muscular training, Z. I. Barbashova, G. I. A. Broido, Fiziol. zhur. bi no. 5 621-625 My '65.

#### OSOKOROVKA REGION (UKRAINE)—SLAVIC ANTI-QUITIES

The Chernyakhov Culture settlement near the Osokorovka village in the lower part of the Dnieper Valley, V. F. Peschanov, E. A. Symonovich, Mat. i issl. po arkheol. SSSR no 116:168-172 '61.

#### OSSETIA—WORLD WAR, 1930-1945—UNDERGROUND MOVEMENTS

In the mountains of Ossalia, P. Zhereblev, Pozh. delo no. 5:6-7 My '65.

#### OSSETIA, NORTH—ANIMALS AS CARRIERS OF DISEASE

Role of game animals in the formation of natural foci of leptospirosis in the North Ossetian A. S. S. R., A. P. Tonkonozhenko, E. I. Gurbanova, M. Kh. Aguzarova, Zhur. mikrobiol., epid. i immun. no. 2:48-49 F '65.

#### OSSETIA, NORTH—LEPTOSPIROSIS

Role of game animals in the formation of natural foci of leptospirosis in the North Ossetian A. S. S. R., A. P. Tonkonozhenko, E. I. Gurbanova, M. Kh. Aguzarova, Zhur. mikrobiol., epid. i immun. 48 no. 2:48-49 F '65.

#### OSSETIA, SOUTH—HISTORY—SOURCES

Akademiia nauk Gruzinokol SSR, Tiflis, Tugo-Osetinskii nauchno-issledovatel'skii institut, [History of southern Ossetia in documents and materials, 1864-1900] Istoriia Tugo-Osetii v dokumentakh i materialakh, 1864-1900 gg. Sost. I. N. Tskhovrebov, Tskhinval, Gosizdat Tugo-Osetii, Vol. 3, 1961, 819 p.

#### [MICROFILM]

#### OSSEIFICATION

Nature of reparative processes in the bones of patients with myeloma treated with sarcolysine, I. L. Tager, N. V. Merkulova, M. S. Tseschkovskii, Vest. rent. i rad 40 no. 2:13-17 Mr.-Ap '65

#### OSTEITIS FIBROSA

Case of Recklinghausen's disease associated with a fourth degree mixed gitter complicated by multiple fractures, V. M. Udod, M. F. Nabok, S. I. U. Topol'nitskaya, Probl. endok. i gorm. 10 no. 5:64-65 S-O '64.

Lesions of the central nervous system in Recklinghausen's disease, A. N. Cherepanov, Zhur. nevro. i psikh. 85 no. 6:825-827 '65.

Treatment of Recklinghausen's disease by removing parathyroid adenoma, V. D. Troitskaya, Probl. endok. i gorm. 10 no. 4:59-62 Ji.-Ag '64.

#### OSTEOPOROSIS

Complications of corticosteroid therapy, G. A. Litvakovskaya, P. A. Spasskaya, Vest. rent. i rad. 40 no. 2:20-23 Mr.-Ap '65.

#### OSTROVSKII, NIKOLAI ALEKSEEVICH, 1904-1936

"Be a good warrior..." S. Tregub, Otkhlabr' 42 no. 6: 183-184 Je '65.

#### OTORHINOLARYNGOLOGY

Lyxosyme titer in patients with various otorhinolaryngological diseases, T. V. Golosov and others, Antibiotiki 10 no. 5:447-450 My '65

#### OVARIES

Histological structure of the ovaries in adrenogenital syndrome, I. V. Golubeva, Probl. endok. i gorm. 10 no. 5:55-58 S-O '64.

#### OVARIES—CANCER

Metastasis of malignant tumors of the ovaries, E. P. Mukhlina, Vop. onk. 10 no. 12:27-31 '64.

#### OVERTIME

Iarkho, A. V. [Overtime work; work on days off and holidays] Sverkhurochnyye raboty, rabota v vykhodnye i prazdnichnye dni. Moskva, Izdaticheskaia literatura, 1965, 70 p.

#### OVERVOLTAGE

Effect of halogen ions and organic surface-active substances on hydrogen-ion discharge reaction on a copper electrode in acid solutions, Z. A. Iofa, V. A. Makarova, Elektrokhiimiia 1 no. 2:230-233 F '65.

Oxygen overvoltage on gold, A. I. Tshman, Elektrokhiimiia 1 no. 4:400-412 Ap '65

Study of the decay of hydrogen overvoltage after the cessation of polarization of lead, cadmium, and bismuth cathodes, U. V. Pol'm, V. E. Pest, Elektrokhiimiia 1 no. 5:602-605 My '65.

#### OWLET MOTHS—EXTERMINATION

Cabbage moth *Plutella brassicae* as a dangerous pest, A. Cherkov, R. Rudchenko, V. Pil'tenko, Zashch. rast. ot vied. i bol. 10 no. 4:25-27 '65.

#### OXALATES

Tantalum oxalate complexes, A. K. Babko, V. V. Lukachina, B. I. Nakhvanets, Zhur. neorg. khim. 10 no. 1: 865-876 Ap '65.

#### OXALIC ACID

N-phosphorylated derivatives of cyanofornic and oxalic acids, G. I. Derkach, E. S. Gubnitskaya, Zhur. khim. 35 no. 6:1009-1014 Je '65.

Solubility of some actinium compounds, Part 1: Determination of the solubility of actinium oxalate, D. M. Ziv, I. A. Shostakova, Radiokhiimiia 7 no. 2:166-175 '65.

#### OXAZAPHOSPHORINE—THERAPEUTIC USE

Lavijas Padomju Sociālistiskās Republikas Zinatnu akadēmija, Organiskās sintēzes institūts, [Cyclophosphane] TSKlāfāzāns; slurnik stātel, Rīga, Izd-vo "Znanie," 1965, 267 p. (DNLM)

#### OXAZINE

Synthesis of 1,3-oxazine derivatives based on diketene, V. I. Gumar, L. F. Ovechkin, S. I. Zny'akov, Izv. AN SSSR, Ser. khim. no. 6:1076-1077 '65.

#### OXIDASES

Activity of some oxidative enzymes in double interlinear hybrids of corn and the parental forms, M. S. Rubtsova, Trudy GSKH 8:41-50 '58.

#### OXIDATION

Conductance of vanadium catalysts in the reaction of oxidation of methyl alcohol, L. G. Maldanovskii, L. N. Kurina, V. N. Belousova, Kina. i kat. 6 no. 1:159-162 Ja.-F '65.

Inhibiting effect of alcohols and phenols on the oxidation reaction of sodium sulfite with atmospheric oxygen, T. F. Kuz'minskaya, I. U. S. Chedaveva, Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:163-166 '65.

Iodometric determination of thiourea dioxide, I. G. Shafran, A. G. Stepanova, L. I. Pankratova, Trudy IRI A no 25:215-220 '63

Mechanism of chemiluminescence of oxidation reactions in solutions, K. A. Allabulaev and others, Trudy MOIP, Otd. biol. 21:3-18 '65

Nature of the active component of vanadium oxide catalyst for naphthalene oxidation, V. I. A. Vol'fon and others, Kina. i kat. 6 no. 1:162-166 Ja.-F '65.

Obtaining acrolein by means of catalytic oxidation of allyl alcohol, I. M. Sulyma, D. K. Tolopko, Khim. prom. [Ukr.] no. 2 16-18 Ap.-Je '65

Oxidation of diphenylleadmium in organic solvents, V. N. Fankratova, V. N. Latiaeva, G. A. Razuvaev, Zhur. ob. khim. 35 no. 5:900-903 My '65.

Oxidation of iron alloys with aluminum and copper alloys with aluminum, B. F. Vaitovich, Zhur. prikl. khim. 38 no. 4 646-649 Ap '65.

Oxidation processes in the formation of metallized layers, M. N. Shchirzhetskii, Sviat poizv. no. 5 17-18 My '65

Study of the high-molecular weight acids formed in the oxidation of Gulyak oil shales, V. A. Proskurjakov, Z. V. Solov'chik, V. V. Gromova, Zhur. prikl. khim. 38 no. 4:936-940 Ap '65.

#### OXIDATION, ELECTROLYTIC

Anodic oxidation and the corrosion resistance of indium-antimony alloys, A. I. Shatalov, L. E. Tsygankova, IA. A. Ugal, Zashch. met. i no. 2:233-235 Mr.-Ap '65

Effect of the absorption of foreign ions and molecules on the oxidation rate of organic substances on a platinum electrode, O. A. Khazova, JU. B. Vasil'ev, V. S. Bagotakli, Elektrokhiimiia 1 no. 4 438-445 Ap '65.

Interpretation of the results of impedance measurement in the course of anodic oxidation of silver in alkali, D. I. Leikis, G. L. Vidovich, Elektrokhiimiia 1 no. 4: 477-478 Ap '65.

Nickel-palladium mixed catalysts in the electrooxidation of ethylene glycol in alkaline medium, V. S. Daniel'-Bek, G. V. Vitvitskaya, I. F. Danilenko, Zhur. prikl. khim. 38 no. 4 808-811 Ap '65.

Oxygen overvoltage on gold, A. I. Tshman, Elektrokhiimiia 1 no. 4 400-412 Ap '65.

Particular features of the mechanism of electrooxidation of alcohols in an alkaline medium, V. S. Daniel'-Bek, G. V. Vitvitskaya, Elektrokhiimiia 1 no. 4:494-498 Ap '65

Process of iodine anodic oxidation on a platinum microelectrode, Part 1: Dependence of the current decay on pH of the supporting electrolyte, N. A. Zakhodlakina and others, Elektrokhiimiia 1 no. 2:136-142 F '65.

#### OXIDATION, PHYSIOLOGICAL

Mitochondria of the muscle tissue of *Ascaris suum* Goetz, 1758. Report no. 2: Effect of allopurinol and some of its derivatives on the oxidation of the components of the Krebs cycle, I. I. Benediktov, Med. paraz. i paraz. bol. 33 no. 6 681-685 N-D '65.

Oxidation and phosphorylation in mitochondria of the embryonic muscle, V. P. Shalchev, Kh. Dzhaned, A. S. Brulnes, Biokhiimiia 29 no. 4:553-561 Ji.-Ag '64.

Participation of carnosine and aseroline in the glycolytic and oxidative processes in a muscular tissue, N. P. Meshkova, O. E. Karlyavkina, Biokhiimiia 30 no. 3:88-94 Ja.-F '65.

Role of polyphenols in the oxidation of ascorbic acid in animal tissues, O. M. Platonov, Ukr. biokhim. zhur. 36 no. 5:697-704 '64.

Use of the chemiluminescent method for studying oxidation reactions, induced in the biosubstrate, as related to the degree of its damage, G. A. Popov, Trudy MOIP, Otd. biol. 21:90-98 '65.

#### OXIDATION-REDUCTION REACTION

Effect of ionizing radiations on the oxidation-reduction processes of some plants, A. Kh. Tagizade, S. G. Guseinov, Izv. AN Azerb. SSR, Ser. biol. nauk no. 6, 11-98 '64

Effect of oxidation-reduction potential on the development of bacteria in algal cultures, I. V. Maksimova, E. P. Fedenko, Mikrobiologiya 34 no. 2:344-349 Mr.-Ap '65.

Factors determining oxidation-reduction potential drop in sporulating aerobic bacteria cultures, N. N. Grechuhkina, K. A. Nikitina, I. L. Rabinova, Mikrobiologiya 34 no. 2:200-203 Mr.-Ap '65.

Pre- and postoperative oxidation-reduction processes in nodular endemic goiter, M. M. Kovalev and others, Probl. endok. i gorm. 10 no. 5:37-40 S-O '64.

Thermodynamic evaluation of the oxidation-reduction equilibrium in manganese ferrite, IU. D. Tret'akov, Izv. AN SSSR, Neorg. mat. 1 no. 3:405-407 Mr '65.

#### OXIDES

Effect of the electric current on the rate of nitrogen dissolution in molten oxides, V. M. Kamyshov and others, Elektrokhiimiia 1 no. 2:227-230 F '65.

#### OXYDE (see also 1440)

Thermal polymerization of  $\alpha$ -oxo-polymerization. R. S. Kozlov, S. G. Ershov, Izv. AN SSSR Ser. Khim. 1965 no. 10 p. 1844-1845

#### OXYDES—TESTING

Effect of preliminary, high-temperature heating on the physical-chemical properties of solid and liquid materials. F. I. Lur'ya, K. P. Dukhanov, Izv. AN SSSR Ser. Khim. 1965 no. 10 p. 1844-1845

#### OXYDES

Curable formation of the 1,2-epoxide with 6-hydroxyquinoline. A. I. Lur'ya, V. P. Dukhanov, Izv. AN SSSR Ser. Khim. 1965 no. 10 p. 1844-1845

Thermal polymerization of  $\alpha$ -oxo-polymerization using a catalyst. A. I. Lur'ya, Izv. AN SSSR Ser. Khim. 1965 no. 10 p. 1844-1845

OXYGEN—EFFECT ON PLANTS see Plants, Effect of Oxygen

#### OXYGEN—INDUSTRIAL APPLICATIONS

Designing and mastering the technology of converting a catalyst from an oxygen-bio in converters with a high capacity. V. T. Kozlov and others. Zhur. nev. i psikh. 65 no. 6:504-505 Je '65

Lur'ya, L. N. [Oxygen-blown converter processes of steel production, review of foreign patents] Kislородo-konvertirovka, proizvodstva stali, ozor biotransformirovaniya. Moskva, TSentr nauchno-issl. i inzh. informatsion. i tekhnichesk. issledovaniy, 1964. 32 p.

[MICROFILM]

#### OXYGEN—PHYSIOLOGICAL EFFECT

Effect of glutamine system of the brain on the metabolism of hypoxemia and increased oxygen pressure. E. Z. Eshkolov, Uzb. biokhim. zhur. 1965 no. 3:73-74 Je '65

Effect on the animal body of prolonged inhalation of pure oxygen under conditions of lowered barometric pressure. N. A. Agadzhanian and others. Zhur. nev. i psikh. 65 no. 3:433-444 My-Je '65

Investigation of the distribution of temperature, oxygen and fish samples in some fishing grounds of the Barents and Kara Seas. M. M. Adro. Trudy BNTSO no. 16:231-240 Je '64

#### OXYGEN IN THE BODY

Effect of term and oxygen tension on the cardiac output in a chronic experiment. E. A. Kovalenko, A. I. Lur'ya, Fiziol. i eksp. ter. 65 no. 6:82-84 No-D '65

#### OXYGEN ISOTOPES

Study of the thermal decomposition of ethyl ester of trichlorophosphorocarbonic acid by means of  $\text{C}^{18}$ . M. M. Aleksandrin, L. I. Samarai, G. I. Derkach. Zhur. khim. 65 no. 5:923-925 My '65

Thermal decomposition of atmospheric precipitation. V. M. Glushko, L. P. Krasina, A. Zap. Uzb. i Vses. nauch. i tekhn. zhur. 65 no. 10:8-10 Je '64

#### OXYGEN THERAPY

Oxygen therapy in influenza and its pulmonary complications. E. A. Birkovskaya, Sbor. nauch. tr. Inst. infek. bol. 65 no. 4:188-192 Je '64

#### OXYGEN WELDING AND CUTTING

see Gas welding and cutting

#### OXYTETRACYCLINE

Biological activity and mechanism of the antimicrobial action of oxytetracycline and oxytetracycline. M. I. Lysanskaya, S. M. Fialkovskiy, Vestn. AN SSSR Ser. sel'sk. hosp. 65 no. 4:107-113 Je '64

#### OXYTOCINS

Oxytocin as a means of prophylaxis of the subinvolution of the uterus in cows. V. D. Misatlov. Veterinaria 65 no. 4:82-85 Ap '65

#### OXYTOCINS—PHYSIOLOGICAL EFFECT

Oxytocin as a stimulator of semen emission in bulls. V. P. Rerzhev. Vest. sel'sk. hosp. 65 no. 8:91-95 Ag '65

Paradoxical reaction of the breast to oxytocin in persistent lactation. M. G. Zaka, I. A. Mazhbits. Biol. eksp. biol. med. 65 no. 5:53-55 Je '65

#### PACHYCARPINE—TOXICOLOGY

Poisoning by pachycarpine. V. M. Dvorina. Trudy Inst. im. N. V. Sklif. 65 no. 2:119-123 Je '62

#### PACHYCARPINE—TOXICOLOGY

Some regularities of the quantitative distribution of benzene on the shelves of the North Pacific. A. A. Neiman. Trudy VNIRO 57:447-451 '65

#### PACIFIC OCEAN—OCEAN CURRENTS

Some results of measurements and calculations of zonal currents in the equatorial region of the Pacific Ocean. M. N. Koshlakov, V. G. Neiman. Okeanologiya 5 no. 2:235-249 '65

#### PACIFIC OCEAN—OCEAN TEMPERATURE

Expedition for measurement of the thermal flux through the bottom of the Pacific Ocean. E. A. Lulimova, G. B. Udintsev. Izv. AN SSSR, Fiz. zem. 65 no. 5:117-118 '65

#### PACIFIC OCEAN—OCEANOGRAPHY

Volumes of basic water masses of the northern part of the Pacific Ocean. V. I. Karayeva, M. A. Radzikhovskaya. Okeanologiya 5 no. 2:230-234 '65

#### PACIFIC OCEAN—ORGANIC MATTER

New data on the accumulation of organic matter in the recent sediments of the northernmost part of the Pacific Ocean. D. E. Gershmanovich. Okeanologiya 5 no. 2:298-303 '65

#### PACIFIC OCEAN—PHYTOPLANKTON

Suspended organic matter in the waters of the Pacific Ocean. I. U. A. Bogdanov. Okeanologiya 5 no. 2:286-297 '65

#### PACIFIC OCEAN—PHYTOPLANKTON

Amount of primary production of the Pacific Ocean. O. I. Koblenz-Mishke. Okeanologiya 5 no. 2:325-337 '65

#### PACIFIC OCEAN—SALMON

Canned Pacific salmon. E. A. Nasedkina, E. K. Oulpko, Ryb. khoz. 65 no. 8:69-70 '65

#### PACIFIC OCEAN—SCORPION FISHES

Some data on the gametogenesis and sex cycle of Pacific scorpion fishes (Scorpaenidae). V. P. Sorokin. Muz. rybn. khoz. 65 no. 4:42-44 Je '61

#### PACIFIC OCEAN—SUBMARINE TOPOGRAPHY

Geomorphological regionalization of the extreme north-east of the Pacific Ocean. D. E. Gershmanovich. Trudy VNIRO 57:271-283 '65

#### PACKAGING

Properties of polyethylene films used for packing. G. Kutunov, I. Slen. Sov. torg. 38 no. 3:26-28 Mi '65

#### PACKED TOWERS

Cascade system for controlling a simple rectification column. A. A. Vykhodskiy. Neftep. i neftekhim. 65 no. 1:41-43 '65

#### PACKING (MECHANICAL ENGINEERING)

Optimum pressure in rectification. I. A. D. Zol'venskiy and others. Khim. prom. 65 no. 5:362-364 My '65

#### PACKING (MECHANICAL ENGINEERING)

Criterial equations for calculating contact packings operating under semifluid friction conditions. G. I. Shkurupin, L. I. Mamon, M. A. Lokshin. Fiz.-khim. mekh. mat. 65 no. 2:162-168 '65

#### PACKING (MECHANICAL ENGINEERING)

Elastic packing in units with antifriction bearings. B. Z. Akhashev and others. Vest. TSNI MPS 65 no. 1:32-35 '65

#### PACKING (MECHANICAL ENGINEERING)

New type of packings for the rotor necks of high-pressure rubber compound mixers. M. A. Lokshin, L. I. Mamon, B. F. Tatalin. Khim. prom. [Ukr.] 65 no. 2:52-53 Ap-Je '65

#### PACKING (MECHANICAL ENGINEERING)

Using wood as packing for the telescopic pipes of forming vulcanizers. V. A. Ametkov, G. V. Sarana. Khim. prom. [Ukr.] 65 no. 2:53-54 Ap-Je '65

#### PACKINGHOUSE WORKERS—DISEASES AND HYGIENE

see subdivision under Lugansk

#### PAHLEVI—DESCRIPTION

A journey to Pahlevi. D. Kasatkina. Nov. vrem. 65 no. 26:26-29 Je '65

#### PAIN

Electrical activity of the brain and the content of catecholamines in the urine of patients with phantom pains as a reflection of the pain syndrome in relation to peloid-bathological treatment. N. I. Stralkova, V. M. Andreeva, V. S. Buzynkina. Zhur. nev. i psikh. 65 no. 6:856-862 '65

#### PAIN

Method of coding pain signals. V. M. Khalulin. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:105-107 '64

#### PAIN

Neurodynamics of central processes during experimental prolonged pain in man. V. G. Nikolaev. Biol. eksp. biol. med. 65 no. 6:18-19 Je '65

#### PAIN

Pathogenic, clinical and prognostic significance of trigger zones in typical neuralgia of the trigeminal nerve. L. G. Brokhina. Zhur. nev. i psikh. 64 no. 11:1645-1652 '64

#### PAIN

Sheathed branches of cerebrospinal nerves and the pain problem in lesions of epidural structures. V. V. Tkach, V. I. Zlabov. Zhur. nev. i psikh. 64 no. 11:1644-1649 '64

#### PAINT

Machine for marking tin can covers with paint. V. A. Fugachev, I. S. Belov. Kons. i ov. prom. 20 no. 6:14-7 Je '65

#### PAINT MATERIALS

Controlled manufacturing of paint materials. A. A. Rudakov. Melk. i sh. 65 no. 2:10-11 Je '65

#### PAINTERS, INDUSTRIAL—DISEASES AND HYGIENE

Zapalkov, I. F. [Industrial hygiene of industrial painting with synthetic paints and lacquers] Hig. nauch. i priklad. izob. sinteticheskimi lakami i kraskami materialami. Moskva, Meditsina, 1965. 35 p. (Nauchno-populjarnaja meditsinskaja literatura)

#### PAINTING

Stuccoing and painting the façades of buildings. V. P. Il'ina. Nov. tekhn. i kon. khoz. 65 no. 1:1-2 Je '65

#### PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Mechanizing the painting of machinery with aqueous emulsions. L. I. Kuznetsov. Zhur. kon. i tekhn. 65 no. 1:21-22 Je '65

#### PAINTINGS—EXHIBITIONS

see subdivision under Leningrad

#### PAINTINGS, LITHUANIAN

[Friends of the palette] Paleton draugai. Vilnius, Vaga, 1965. [2] p. 14 plates [Parallel text in Lithuanian and Russian]

#### PAIR PRODUCTION

Calculating the free energy for model systems. V. I. Bogolubov. Zh. fiz. i khim. 37 no. 4:111-112 '65

Raditive correction to pair production. V. I. Bogolubov. Zhur. kon. i tekhn. 65 no. 1:21-22 Je '65

#### PAKISTAN

Pakistan. R. M. Mukhammadzhanova. Sbornik Khim. i tekhn. 65 no. 1:190-191 Je '64

#### PALEODOTANY, STRATIGRAPHIC

(see also subdivision under Asia, Central; East European Plain; Maritime Territory; Siberia, Western; West Siberian Plain)

Role of ancient plants in the reconstruction of paleogeographical, especially climatic conditions of the geological past. V. A. Vakhrameev. Metod. paleogeog. 65 no. 1:181-191 '65

#### PALEOGEOGRAPHY

(see also subdivision under Altai Mountains; Baltic Sea region; Moscow Province; Pamir; Sayan Mountains; Ukraine)

Criteria and the methods of paleogeographic reconstructions of previous conditions in ancient land areas based on paleontological data. G. P. Radtsig. Metod. paleogeog. 65 no. 1:181-191 '65

Discussions. Metod. paleogeog. 65 no. 1:240-241 '65

Introductory address. N. A. Bol'sheva. Metod. paleogeog. 65 no. 1:1-5 '65

Methods for the determination of the depth of ancient basins. V. P. Khain. Metod. paleogeog. 65 no. 1:1-4 '65

Methods for the reconstruction of currents in ancient basins. V. A. Chetvergin. Metod. paleogeog. 65 no. 1:104-105 '65

Paleogeographic reconstruction of land plains and elevations and their indications. V. I. Ponomarev. Metod. paleogeog. 65 no. 1:109-111 '65

Paleomagnetic studies in the field of paleogeography. A. N. Khamov. Metod. paleogeog. 65 no. 1:201-211 '65

Power and dynamics of processes originating in sea basins. V. I. Popov. Metod. paleogeog. 65 no. 1:173-174 '65

Reconstruction of paleogeographical conditions of ancient land based on lithological indications. V. I. Kazanov. Metod. paleogeog. 65 no. 1:114-115 '65

Reconstruction of the hydrochemical conditions of ancient sea basins based on geochemical indications. I. S. Gurevich. Metod. paleogeog. 65 no. 1:184-191 '65

Reconstruction of the hydrochemical conditions of ancient sea basins based on lithological and geochemical indications. G. I. Todorovich. Metod. paleogeog. 65 no. 1:184-191 '65

Role of ancient plants in the reconstruction of paleogeographical, especially climatic conditions of the geological past. V. A. Vakhrameev. Metod. paleogeog. 65 no. 1:184-191 '65

Significance and methods for the reconstruction of the paleorelief of the land of platform areas. V. A. Kotlukov. Metod. paleogeog. 65 no. 1:95-108 '65

#### PALEOGEOGRAPHY—MAPS

Full-value use and illustration of biotic data on paleogeographical maps. R. F. Gekker, A. I. Osipova. Metod. paleogeog. 65 no. 1:152-156 '65

Problems of biogeography in the paleogeographical atlas of the U.S.S.R. O. L. Finor. Metod. paleogeog. 65 no. 1:202-209 '65

## PALEOMAGNETISM

Laboratory estimate of the magnetic stability of rocks of the Czech massif. O. L. Andreeva, V. V. Bukha, G. N. Petrova. Izv. AN SSSR, Fiz. zem. no. 2:54-64 '65

Paleomagnetic studies in the field of paleogeography. A. N. Khramov. Metod. paleogeog. issl. no. 1:207-211 '64

Processes of stabilization of the remanent magnetism of rocks. G. P. Sholpo, L. E. Sholpo. Izv. AN SSSR, Fiz. zem. no. 5:108-116 '65

Unstable secondary magnetization and the laboratory viscosity. V. A. Zhilinaeva. Izv. AN SSSR, Fiz. zem. no. 2:92-95 '65

PALEONTOLOGICAL SOCIETIES see subdivision under Moscow

## PALEONTOLOGY, STRATIGRAPHIC

Criteria and the methods of paleogeographic reconstructions of previous conditions of ancient land areas based on paleontological data. G. Radchenko, Metod. paleogeog. issl. no. 1:167-183 '64

## PALLADIUM COMPOUNDS

Reactivity of palladium complex compounds Pd(II) in aqueous solutions. A. B. Fasman, G. G. Kutukov, D. V. Sokol'skii, Zhur. neorg. khim. 10 no. 6:1338-1343 '65

## PALLADIUM COMPOUNDS—THERMAL PROPERTIES

Specific heat of palladium tetrammine chloride over a temperature range of 105 to 200°K. G. A. Sharpatina, V. A. Sokolov, Zhur. neorg. khim. 10 no. 1:992-993 '65

## PALMITIC ACID—THERAPEUTIC USE

Use of topical (thymol ester of palmitic acid) in echinococcosis in man. N. N. Plotnikov and others. Sov. med. 38 no. 1:129-136 '65

PALYNOLOGY see subdivision under West Siberian Plains

## PAMIRS—FLIES

Body temperature in some synanthropic flies in the Eastern Pamirs. V. I. Sychevskaya, V. S. Shaldurov, Zool. zhur. 44 no. 5:779-783 '65

## PAMIRS—GEOLOGICAL TIME

Age of effusive and intrusive formations in the northern Pamirs. P. I. A. Leven, A. Kh. Kafarskii. Izv. AN SSSR, Ser. geol. 30 no. 5:115-120 '65

## PAMIRS—PALEOGEOGRAPHY

Recent paleogeography of the Pamirs. O. E. Agakhaniants, Izv. AN SSSR, Ser. geog. no. 3:81-88 '65

## PAMIRS—ROCKS, IGNEOUS

Age of effusive and intrusive formations in the northern Pamirs. P. I. A. Leven, A. Kh. Kafarskii. Izv. AN SSSR, Ser. geol. 30 no. 5:115-120 '65

## PANCREAS—BLOOD SUPPLY

Dynamics of tissue respiration of the pancreas and the spleen in collateral blood circulation. L. I. Khananov, G. P. Gishilo, Pat. fiziol. i eksp. terap. 8 no. 6:75-76 '64

Effect of the extirpation of individual components of the solarplexus on the development of collateral circulation of the pancreas. L. I. Khananov. Arkh. anat., gist. i embriol. 47 no. 10:46-55 '64

## PANCREAS—CANCER

Diagnosis of the spread of gastric cancer into the pancreas. I. T. Abasov. Vop. onk. 10 no. 12:34-39 '64

## PANCREAS—DISEASES

Cases of asymptomatic pancreatitis. T. P. Sharapova, Trudy Inst. Im. N. V. Sklif. 5 no. 2:212-215 '62

Intralesional pericapsular fibrosis and its role in functional disorders of the insular apparatus of the pancreas in elderly and senile persons. N. A. Zhukov. Probl. endok. i gorm. 10 no. 5:13-17 '64

## PANCREAS—RUPTURE

Closed isolated rupture of the pancreas in a 4-year-old child. G. V. Chikisheva, Vest. khir. 83 no. 11:107-108 '64

## PANCREAS—SECRETIONS

Adaptation of the pancreas to the type of food. L. S. Tomina, Z. M. Pavlova, Fiziol. zhur. 51 no. 5:607-612 '65

Changes in the secretory and incretory function of the pancreas in acute radiation sickness. A. K. Ezhov, Med. rad. 10 no. 3:49-57 '65

## PANCREAS—SURGERY

Methodology for complete pancreatectomy in rats; production of a model of diabetes mellitus in rats. V. D. Churakov. Probl. endok. i gorm. 10 no. 4:101-104 '64

## PANCREAS—TUMORS

Absorption of <sup>131</sup>I-tagged fat in patients with adenomas of the pancreas. D. D. Skatkov, Trudy TSU 71:78-82 '65

## PANELS (BUILDING)

Comprehensive series of large-panel public buildings according to a frameless design. A. Tardelink, B. Kirshnei, Stroi. i arkh. 12 no. 2:15-18 '64

Foundation for floors of rolled gypsum cement concrete panels. S. Shitenko, A. Kagnei, M. Goncharov. Stroi. i arkh. 12 no. 2:40 '64

Further industrialization of the construction of apartment houses and public buildings. M. Pinsker. Stroi. i arkh. 12 no. 2:8-10 '64

Improving precision in assembling large-panel buildings. M. I. A. T. Egnus, Mekh. stroi. 22 no. 2:1-3 '65

Manufacturing concrete slabs for floors and facings. N. Gosn. Sel. stroi. 19 no. 4:14 '65

New designs of wall panels. I. Rokhlin. Stroi. i arkh. 13 no. 5:19-22 '65

Planning indices for a shop producing large panels for apartment houses have been exceeded. V. S. Kindaravichius, I. I. Pakalinskis, Stroi. mat. 11 no. 4:3-4 '65

Tables for calculating panels for floors and roofs with local transverse loads. V. Sapunov. Stroi. i arkh. 12 no. 2:36-37 '64

Translucent one-piece panels from glass reinforced plastics. V. I. Al'perin, Stroi. mat. 11 no. 1:8-9 '64

## PANELS (BUILDING)—VIBRATION

Influence of parametrically excitable and induced vibrations of elastic panels. G. V. Mischenko, Izv. AN Arm. SSR, Ser. fiz.-mat. nauk. 18 no. 1:53-59 '65

## PANOVA, VERA FEDOROVNA, 1905-

Portrait of an authoress. F. Svetov. Vop. lit. 9 no. 3:226-227 '65

## PANSO, VOLDEMAR

Theater of Voldeamar Panso. N. Kiykova. Teatr. 26 no. 6:36-48 '65

## PAPER

Reinforced paper for packing sheet steel. F. T. Derbenisev and others. Bum. prom. no. 3:10-11 '65

## PAPER—DRYING

Effect of the drying methods of paper on its quality. V. I. Agabichikov, A. A. Badusov, Bum. prom. no. 3:20-21 '65

## PAPER CHROMATOGRAPHY

New reactions for detecting and identifying amino acids on chromatograms. T. P. Morozova, Ukr. biokhim. zhur. 37 no. 2:290-299 '65

Sorption chromatographic method of obtaining purified  $\gamma$ -globulin. S. A. Kibardin, T. A. Nikolaeva, Zhur. mikrobiol., epid. i immun. 42 no. 1:70-71 '65

## PAPER ELECTROPHORESIS

Study of globulins in the seeds of various bean species by paper electrophoresis. V. V. Sokolova, Biokhimiya. 29 no. 4:580-585 '64

Study of the electrophoretic protein fractions of the myocardium in the process of developing atherosclerosis. D. G. Grigorian, V. A. Shalimov. Blot. eksp. biol. i med. 59 no. 6:50-58 '65

PAPER INDUSTRY see subdivision under Stolno (Moscow Province)

## PAPER INDUSTRY—AUDITING AND INSPECTION

Operational accounting for the main indices of carrying out the plan. A. Chirkov, Bukh. uch. 22 no. 2:25-30 '65

## PAPERMAKING MACHINERY

Increasing the strength of the screens for high-speed papermaking machines. R. A. Solontsyn, O. K. Pavlovskaya, Bum. prom. no. 3:7-8 '65

Manufacture of metal boards and rubber coatings for the suction boxes. E. P. Kondratskii, Bum. prom. no. 3:21 '65

## PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur. Tekh. i obrab. sel. bum. i poligr. protzv. no. 6 '65

## PAPERMAKING MACHINERY—ELECTRIC DRIVING

Static converters for electric drive of paper and carton-board machines. V. I. Zil'berfarb, Bum. prom. no. 3:10-10 '65

## PAPOV, SERGEI IVANOVICH, 1905-

We add our congratulations. Teatr. 26 no. 3:103 '65

## PARACHUTES

Modern sports parachutes. I. Gushkev. Kryl. rod. 16 no. 5:25-27 '65

## PARAFFINS

Applicability of the Bachinskii equation of state to normal alkanes in a liquid state. N. N. Asadullaeva, Izv. AN Azerb. SSR, Ser. geol.-geog. 1:85-93 '64

Preparative separation of light saturated hydrocarbons in gas-adsorption chromatography. A. F. Shitakov, Gaz. delo no. 5:33-36 '65

3,4-Benzopyrene content in paraffin of various degrees of purification. N. D. Goleva, P. I. Dikun. Vop. onk. 11 no. 3:115-116 '65

PARAGANGLIA see Chromaffin system

PARAMAGNETIC RESONANCE AND RELAXATION see Electron paramagnetic resonance

## PARAMETRIC AMPLIFIERS

Parametric amplifier with transverse interaction and electrostatic focusing of the electron beam. V. I. Urv'ev. Izv. vuz. ucheb. zav. radiofiz. 8 no. 1:153-161 '65

## PARAMUSHIR ISLAND—PETROLOGY

Some problems of the petrology of the Central Intrusive massif in Paramushir Island. K. F. Sergeev. Geol. i geofiz. no. 12:82-84 '64

PARASITES—BIRDS see subdivision under Azerbaijan

## PARASITES—BREAM

Effect of the pterocercoid of *Digama interrupta* Rud. on the growth of bream. A. V. Rashtelnikova, Zool. zhur. 44 no. 5:734-739 '65

## PARASITES—CALVES

Prophylaxis of fascioliasis in calves using molluscicides. V. V. Gorkhov and others. Khim. v sel. khoz. 3 no. 5:64-65 '65

Stall and run maintenance of calves as an effective measure in the control of dictyocaulosis. A. I. Podobedov, Veterinaria. 42 no. 5:61 '65

## PARASITES—CARP

Philometrosis in carp. G. V. Vasil'kov. Veterinaria. 41 no. 6:66-67 '64

## PARASITES—CATTLE

(see also subdivision under Kiveritsy District; Kursk Province; Sverdlovsk Province)

Cross infection of cattle and sheep with naemonchosis. V. D. Pevnova, Veterinaria. 42 no. 6:55-56 '65

Longevity of *Cysticercus bovis* and the development of immunity in cysticercosis. E. S. Leikina and others. Med. paraz. i paraz. bol. 33 no. 6:684-700 '64

Parafilaria of cattle. F. V. Smirnov, Veterinaria. 41 no. 4:54 '65

Prophylaxis of dictyocaulosis in cattle; a selection of articles. I. S. Chernov and others. Veterinaria. 41 no. 4:45-48 '65

Summer spraying of cattle with insecticides against Hypoderma infestation. I. A. M. Kolomiets, Veterinaria. 42 no. 6:52-53 '65

## PARASITES—DOGS

Trichinellosis in dogs. N. I. Ovsitukova, Zool. zhur. 44 no. 5:766-767 '65

## PARASITES—DUCKS

Biological bases of the prophylaxis of hymenolepiasis in ducks and geese. G. A. Kotelnikov, Veterinaria. 42 no. 5:66-68 '65

Prophylaxis of helminthiasis in ducks. A. M. Naumenko, Veterinaria. 41 no. 6:44-45 '65

PARASITES—FISHES see subdivision under Balkai, Lake

PARASITES—FISHES, PELAGIC see subdivision under Mediterranean Sea region

## PARASITES—GEESSE

Biological bases of the prophylaxis of hymenolepiasis in ducks and geese. G. A. Kotelnikov, Veterinaria. 42 no. 5:66-68 '65

## PARASITES—GROUSE

Characteristics of immunogenesis in tetraonid birds in a natural focus of tick-borne encephalitis. E. I. Korenberg and others. Med. paraz. i paraz. bol. 33 no. 6:711-717 '64

PARASITES—HARES see subdivision under Bar-Togay region (Kazakhstan)

## PARASITES—LAMBS

Nematodirus infestation in lambs. I. A. D. Nikol'skii, I. S. Piskunov, Veterinaria. 41 no. 6:60-61 '64

PARASITES—MALLARD see subdivision under Komandorskiye Islands

PARASITES—MOLLUSKS see subdivision under Black Sea

## PARASITES—POULTRY

(see also subdivision under Corkly Province)

Anthelmintics in mixed feeds. V. I. Petrochenko, A. I. Korchagin, Veterinaria. 41 no. 6:54-56 '64

Prevention of ascariasis and pullorum disease in chicks using iodinol. N. Kh. Kucheruk, S. Z. Dubovyi, Veterinaria. 41 no. 6:62-63 '64

Testing piperazine dithiocarbamate in ascariasis of chickens. A. I. Korchagin, Veterinaria. 42 no. 5:63-64 '65

Therapy of ascariasis and rickettsiosis in chickens. N. M. Shirinov, Veterinaria. 42 no. 5:65-66 '65

Treating chickens with ascariasis. N. M. Shirinov, O. M. Baltadzhiev, Veterinaria. 41 no. 6:63-64 '64



- PARASITES—REINDEER** see subdivision under Soviet Far East
- PARASITES—SALMON**  
On the information on salmon. N. V. Semenov. *Izv. Vsesoyuzn. nauch. tsentra* 41 no. 5:67-69 Je '64.
- PARASITES—SHEEP**  
Crystallization of crystals and sheep with leishmaniasis. V. D. Ferret. *Veterinariia* 42 no. 6:55-56 Je '65.  
Fighting the parasites of sheep. M. I. Shchegolev. *Veterinariia* 42 no. 5:62-63 My '65.
- PARASITES—SHREWS** see subdivision under White Russia
- PARASITES—SUSLIKS** see subdivision under West Kazakhstan Territory
- PARASYMPATHETIC NERVOUS SYSTEM** see Nervous system, Parasympathetic
- PARASYMPATHOMIMETIC AGENTS**  
Effect of stimulating substances exerted from the heart in frog. The effect of various cholinergic mimetics. T. G. Puzikova. *Izv. Vsesoyuzn. nauch. tsentra* 41 no. 5:77-78 My '65.  
Motor reaction of three areas of the stomach following the effect of cholinergic preparations. S. A. Mikhlin. *A. M. Sverdlovsk. Doki Akad. Nauk SSSR* 40 no. 4:317-22 Je '65.
- PARATYPHOID DISEASES IN ANIMALS**  
Effect of antibiotics in paratyphoid fever of young pigs. V. A. Fortukhina, P. N. Shumilov. *Veterinariia* 41 no. 4:23-25 Ap '65.  
Formation of postvaccinal paratyphoid agglutinins in calves. T. P. Malinina. *Veterinariia* 41 no. 4:33-34 Ap '65.  
Histological studies of hog cholera and paratyphoid fever in swine. M. S. Zhukov. *Veterinariia* 42 no. 5:55-58 My '65.  
Measures for controlling paratyphoid fever in calves and young pigs. E. A. Kolesnikova. *Veterinariia* 41 no. 4:28-30 Ap '65.  
Measures for controlling paratyphoid fever in cattle and swine. A. F. Gudkin, I. U. F. Mozhukhin. *Veterinariia* 42 no. 5:52-54 My '65.  
Protein fractions of the blood serum in young pigs after vaccination against paratyphoid fever. I. M. Koneev. *Veterinariia* 41 no. 4:21-23 Ap '65.
- PARATYPHOID FEVER**  
(see also subdivision under Uzbekistan)  
Accelerated method for detecting the pathogens of paratyphoid infections. P. N. Stebliuk. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:19-21 F '65.  
Typhus and paratyphoid infections abroad. Report No. 3. Some characteristics of the epidemiology of typhoid fever and paratyphoid fevers. I. U. P. Solodovnikov. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:77-81 Ja '65.
- PARATYPHOID FEVER—PREVENTIVE INOCULATION**  
Change in acquired immunity in paratyphoid infection at different periods following irradiation, an experimental study. V. A. Snopkova. *Med. rad.* 10 no. 2:51-54 F '65.
- PARATHYROID GLANDS**  
Lymphatic system of the parathyroid gland in man. V. N. Balashev, M. S. Ignashkina. *Probl. endok. i gorm.* 10 no. 5:52-55 S-O '64.
- PARATHYROID GLANDS—SURGERY**  
Treatment of Becklinghausen's disease by removing parathyroid adenoma. V. D. Troitskaya. *Probl. endok. i gorm.* 10 no. 4:59-62 Ji-Ag '64.
- PARATHYROID GLANDS—TUMORS**  
Treatment of Becklinghausen's disease by removing parathyroid adenoma. V. D. Troitskaya. *Probl. endok. i gorm.* 10 no. 4:59-62 Ji-Ag '64.
- PARENT AND CHILD**  
Daughter and mother relate. I. Makarova, A. I. German. *Doshk. voyp.* 38 no. 3:61-62 Mr '65.  
Grown-ups and the little ones. V. Bulgakov. *Sem'ia i shkola* 20 no. 4:32 Ap '65.  
Learn to know your child as early as possible. A. Rozh-levskaya. *Doshk. voyp.* 38 no. 6:38-40 Je '65.  
Let's see the dynamics of childhood. D. Morozov. *Doshk. voyp.* 38 no. 4:32-34 Ap '65.  
My younger brother's street. T. Liande. *Doshk. voyp.* 38 no. 4:35-37 Ap '65.
- Zaima, L. D., and A. N. Shibaeva.** [A daughter grows up in the family] *V sem'e rastet doch'*. Moskva, Meditsina, 1964. 44 p. (Nauchno-populiarnaya meditsinskaya literatura)
- PARENT AND CHILD (LAW)**  
Notes on parent law. G. Sverdlov. *Sots. zakon.* 42 no. 6:91-92 Je '65.
- PARIS—AERONAUTICS—EXHIBITIONS**  
Sensations and surprises; scanning the foreign press. S. Svetlanova. *Nov. vrem.* 23 no. 20:10-17 Je '65.
- PARIS—EXHIBITIONS**  
Businessmen's opinion about Soviet airplanes. *Vnesh. torg.* 45 no. 6:19-21 '65.
- PARIS—MUSIC HALLS (VARIETY THEATERS, CABARETS, ETC.)**  
Ideals and icons. *An. Makarov. Teatr* 26 no. 5:147-151 My '65.
- PARIS—THEATER**  
Jean Villard on "The Oppenheimer case." E. Stuchevskaya. *Teatr* 26 no. 5:156-158 My '65.
- PARIS—THEATERS**  
The "Atelier" Theater, its history and founders: an interview. *Nov. vrem.* 23 no. 20:29-30 Je '65.
- PAROTID GLANDS—BLOOD SUPPLY**  
Blood supply of the parotid gland in man. T. V. Zolotareva. *Ark. anat., gist. i embr.* 47 no. 10:40-42 O '64.
- PART-TIME EMPLOYMENT**  
Part-time workday. L. Ginsburg. *Sov. iust.* 20 no. 8:15-16 Ap '65.
- PARTICLE ACCELERATORS**  
Calculating the field intensity in a traveling-wave linear accelerator. L. A. Makhnenko, A. I. Zikov, G. D. Kramskoi. *Zhur. tekhn. fiz.* 35 no. 3:496-501 Mr '65.  
Calculating the particle envelope in accelerators. I. A. Lembra. *Zhur. tekhn. fiz.* 35 no. 3:574-575 Mr '65.  
Generation of accelerated positron beams in a linear electron accelerator. I. O. Hryshchuk and others. *Ukr. fiz. zhur.* 10 no. 3:260-262 Mr '65.
- PARTICLE BOARD**  
Method for compacting the edges of particle layers in preliminary pressing. I. E. Selivanov. *Der. prom.* 14 no. 2:25-26 F '65.  
Proportioning the components of binders in the manufacture of particle boards. G. M. Shvartsman. *Der. prom.* 14 no. 2:3-5 F '65.  
Technology of combining the processes of veneering and finishing particle boards. E. K. Tsaregradskii. *Bum i der. prom.* no. 2:42-48 Ap-Je '65.
- PARTICLE BOARD—STANDARDS**  
Shortcomings of the All-Union State Standard for particle boards made by extrusion compression. V. I. Kokorev. *Der. prom.* 14 no. 2:13 F '65.
- PARTICLE SIZE DETERMINATION**  
New method of dispersion analysis by centrifugation. E. A. Zemlitskii. *Koll. zhur.* 27 no. 2:186-192 Mr-Ap '65.  
Quantitative evaluation of the effect of the precipitation conditions on the granulometric composition of nickelous hydroxide. L. A. Kukoz, N. I. A. Avdeev, F. I. Kukoz. *Koll. zhur.* 27 no. 2:207-210 Mr-Ap '65.
- PARTICLES**  
Necessity of accounting for the adhesive forces in determining the initial rate of entrainment of particles by a flow. Some aspects of the adhesion of powder particles to liquids. A. D. Zimon. *Koll. zhur.* 27 no. 2:193-198 Mr-Ap '65.
- PARTICLES (NUCLEAR PHYSICS)**  
Classification of elementary particles and quarks in a "presentation for pedestrians." I. A. B. Zeldovich. *Usp. fiz. nauk* 86 no. 2:303-311 Je '65.  
Physics of elementary particles; present-day status and prospects. I. E. Tamm. *Priroda* 64 no. 6:10-16 Je '65.  
Present state of the physics of elementary particles. E. I. Tamm. *Vest. AN SSSR* 35 no. 4:30-41 Ap '66.  
Stanukovich, Y. P. [The gravitational field and elementary particles] *Gravitatsionnoe pole i elementarnye chastitsy*. Moskva, Nauka, 1965. 310 p.
- PARTICLES (NUCLEAR PHYSICS)—SCATTERING**  
Theory of scattering of fast charged particles in crystals. V. M. Lenchenko, T. S. Pugacheva. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1:48-56 '65.
- PASPALUM**  
Paspalum diguaria and dodder in cotton fields. I. A. Abba-rov. *Zashch. rast. ot. vred. i bol.* 10 no. 5:64 '65.
- PASSIVATION**  
Cathodic passivation in chromate electrolytes with the additions of chloride ions. Z. A. Solov'eva, A. T. Vagranian. *Elektrokhimiia* 1 no. 4:413-417 Ap '65.  
Effect of fluoride ions on the electrochemical and corrosion behavior of stainless steels. A. I. Tsimpan, V. S. Kuzub, L. A. Sokolova. *Zashch. met.* 1 no. 2:173-177 Mr-Ap '65.
- Effect of temperature on the nonoptibility of aluminum toward a transfer to the passive state. G. M. Il'inskiy. *Zashch. met.* 1 no. 2:156-158 Mr-Ap '65.
- PASSIVITY (CHEMISTRY)**  
Mechanism of metal passivity. A. I. Il'inskiy. *Zashch. met.* 1 no. 2:150-155 Mr-Ap '65.
- PASTEURILLA**  
Characteristics of bacterial strains isolated from the intestines of the Tadzhik-Mongol (the five strains). S. S. R. J. L. M. Shchegolev. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:136-140 F '65.  
Duration of the detection of plaque and penicillin-resistant bacteriophages from the organisms of resistant gerbils. M. A. Shchegolev, I. L. Shchegolev, A. I. Shchegolev. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:97-101 Mr '65.
- PASTURES AND MEADOWS**  
(see also subdivision under: (a) P. Province, (b) P. Province; Sayan Mountains; White Russia)
- Feed resources of natural grasslands in the U.S.S.R. I. V. Lashin. *Rast. ien.* 1 no. 1:61-69 '65.
- PASTURES AND MEADOWS—FERTILIZERS AND FERTILIZATION**  
(see Grassland—Fertilizers and Fertilization)
- PASTURES AND MEADOWS—IRRIGATION**  
System of technical and economic indices for determining the economic effectiveness of irrigating pastures. N. A. Alkseev. *Trudy Giprovozdkhkhoz. no. 2:1-10 '63.*
- PATENT LICENSES**  
Patent licenses. *Mashinostroenie* no. 3:198-199 My '65.
- PATENTS**  
[Bulletin on inventions and trademarks] *Izob. izобр. i tov. znaki.* 42 no. 8 Ap '65.  
Patent information should serve technology of progress. I. E. Bogdanov. *Elekt. stat.* 36 no. 4:82-83 Ap '65.  
Patent work and public tasks. V. Ivanov. *Rev. i nauka* 21 no. 12:14-17 Je '65.  
Sorokovskii, V. L., and V. P. Morozov, comps. [Right to discovery, invention and efficiency] *Pravskoe avtorskoe pravo na otkrytie, izobretenie i razrabotku izobretenskogo predlozhenie*. Moskva, Tsentr. i. n. t. k. i. informatsii, 1961. 88 p. (V pomoshch' rabotnikov izobretatel'stvu i razvitiyu)
- PATENTS—INFORMATION SERVICES**  
Patent information in 1965. O. A. Mikhailov. *NII* no. 3:3-5 '65.
- PATHOGENIC BACTERIA** see Bacteria, Pathogenic
- PATHOGENIC PROTOZOA** see Protozoa, Pathogenic
- PATHOLOGICAL HISTOLOGY** see Histology, Pathological
- PATHOLOGICAL PHYSIOLOGY** see Physiology, Pathological
- PATHOLOGICAL PSYCHOLOGY** see Psychology, Pathological
- PATHOLOGY**  
Clinical and virological study of influenza in 1955-1956. M. F. Smirnova, S. A. Kurchenko, V. N. Sorokina. *Nauka, trud. i. n. t. k. i. informatsii* no. 4:137-142 '64.  
Electrophysiological analysis of reactions of the nervous system to the irritation from pathologically modified tissues. S. I. Frankelstein. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:102-104 '64.  
Results of surgical treatment of thromboembolism of mesenteric and main vessels in elderly persons. V. M. Gubokovskaya. *Trudy Inst. im. N. V. Sklif. 0:146 '65.*
- PATHOLOGY—ABSTRACTS**  
[General problems of pathology. Oncology] *Ref. zhur. i Ob. vop. pat. Onk.* nos. 12-13 Je-Jl '65.
- PATHOLOGY, CELLULAR**  
General morphology of the cytopathogenic effect of Leishmania in tissue cultures. S. E. Gilelskii, M. M. Belova. *Med. paraz. i paraz. bol.* 33 no. 6:650-654 N-D '64.
- PATHS, GARDEN** see Garden walks
- PATRIOTISM**  
Education in the revolutionary and heroic traditions. *Agitator* 33 no. 11:3-6 Je '65.  
Patriotic training of sailors in combat and revolutionary traditions. E. F. Bystrov. *Mor. sbor.* 47 no. 5:14-18 My '64.
- PAVEMENTS**  
Distributing ability of road toppings as an indication of their carrying capacity. K. S. Terenetskiy. *Izv. vuz. ucheb. zav. i stroit. arkhit.* 8 no. 2:128-130 '65.

- PAVEMENTS, BITUMINOUS** see subdivision under  
Crimea; Polar regions
- PAVEMENTS, CONCRETE**  
Claylike concrete pavements. G. M. Chemakin. Avt.  
dor. 28 no. 2 20 F '65  
Polymers as fillers of joints in reinforced concrete  
road surfaces. E. Dubrovlin, M. Spoktov, I. U. Starostin  
Zhil.-kom.khoz. 15 no. 1 31 Ja '65.
- PAVEMENTS, CONCRETE—THERMAL PROPERTIES**  
Maintenance of temperature seams in cement-concrete  
pavements. A. G. Mal'atova. Avt. dor. 28 no. 2 11-12  
F '65
- PAVLODAR—WOMEN IN CONSTRUCTION**  
Foreman Aitken Talsalekova. E. Zikibaev. Nar.khoz.  
Kazakh. 23 no. 3 15-16 Mr '65.
- PAVLODAR PROVINCE—ECONOMIC POLICY**  
Future of the industrial center. B. Dvosyln, V. Kalkam-  
baev, A. Martysimov. Nar.khoz.Kazakh. 23 no. 3:  
43-45 Mr '65.
- PAVLODAR PROVINCE—INDUSTRIES**  
Future of the industrial center. B. Dvosyln, V. Kalkam-  
baev, A. Martysimov. Nar.khoz.Kazakh. 23 no. 3:  
43-45 Mr '65.  
Means of the accelerated development of a region.  
B. Vakhlanov. Nar.khoz.Kazakh. 23 no. 3 47-  
49 Mr '65.
- PAYMENT**  
(see also subdivision under Novosibirsk Province;  
Volgograd Province; White Russia)  
Business accounting and payment discipline. I. Mamono-  
va. Den. i kred. 23 no. 5:15-21 My '65.  
Collective farm payments. F. Tuzhilkin. Den. i kred.  
23 no. 6:20-33 Je '65.  
Simply payments for goods sold on credit. P. Novosa-  
lov, E. Fonarev. Den. i kred. 23 no. 6:16-20 Je '65.  
Some problems in the organization of payments by checks.  
K. Kibuchnikov. Den. i kred. 23 no. 6:38-41 Je '65.
- PEA WEEVIL—EXTIRMINATION**  
Tactics of pea weevil control. V. Burov. Zashch.rast.  
ot vred.i bol. 10 no. 4:21-23 '65.
- PEACE**  
Christian theses of peace. Brat. vest. no. 6-5 '64.  
Communiqué of a meeting of the Committee for the Study  
of International Problems of the Christian Peace  
Conference. Zhur. Mosk. Patr. no. 6 37-38 '65.  
Communiqué of the Working Committee of the Christian  
Peace Conference. Brat. vest. no. 6-6-8 '64.  
Day of victory and the defense of peace. Metropolitan  
Nikodim. Zhur. Mosk. Patr. no. 6:30-33 '65.  
Karklina, A., Z. Elduss, A. Henina. [Six magnificent  
words] Sest. dize varol. Riga, Izdevnieciba "Liesma,"  
1965. 150 p. [In Latvian]  
Remember and act! Nov. vrem. 23 no. 26:1-2 Je '65.  
Winners of the International Lenin Prizes "for strength-  
ening peace among the nations" Az. i Afr. seg. 8  
no. 6:33 Je '65
- PEACE—CONGRESSES**  
At the Helsinki Congress. L. Sedim. Nov. vrem. 23  
no. 29:13-15 Ji '65.  
For peace, national independence, and disarmament;  
report on the all-Union conference of the Soviet  
public. V. Rozen. Nov. vrem. 23 no. 28:12-13 Je  
'65.  
For the coming Congress of the World Council of Peace  
in Helsinki. Patriarch Aleksii. Zhur. Mosk. Patr.  
no. 6, 1 '65.  
The peace movement and its prospects. V. Chikhikvadze.  
Nov. vrem. 23 no. 27:1-3 Ji '65.
- PEACE—PERIODICALS**  
"Christian Peace Conference" nos. 11-12, 13, 1964.  
Zhur. Mosk. Patr. no. 6:39 '65.
- PEAR**  
Fasciation of shoots in apple and pear. N. I. Turvisev.  
Sbor. nauch. rab. NIi sad. no. 10:52-58 '64.
- PEAR—DISEASES AND PESTS**  
Method for chemical control of the pear gall mite Eri-  
ophyes pyri. V. I. Susha. Khim. v sel'.khoz. 3 no. 4:  
30-33 Ap '65.
- PEAR—FROST RESISTANCE**  
Breeding pear for winter hardiness. G. A. Lobanov.  
Sbor. nauch. rab. NIi sad. no. 10:110-117 '64.  
Use of growth regulators for increasing frost resistance  
in pear. T. V. Zolochkina. Sbor. nauch. rab. NIi sad.  
no. 10:87-94 '64.
- PEAR—VARIETIES** see subdivision under Armenia
- PEAR BREEDING**  
Breeding pear for winter hardiness. G. A. Lobanov.  
Sbor. nauch. rab. NIi sad. no. 10:110-117 '64.
- PEAS**  
(see also subdivision under Toraki Alatau)  
Effect of seed treatment with molybdenum on the yield  
of peas. L. A. Panfilova. Uzb. biol. zhur. 9 no. 1:  
26-38 '65.
- Treatment of pea seeds with hexachlorocyclohexane dust  
is not efficient. M. Moldovan, M. Larionenko, T. Paruta  
Zashch. rast. ot vred. i bol. 10 no. 1:15-16 '65.
- PEAS—DISEASE AND PEST RESISTANCE**  
Resistance of hybrid peas. A. Isayeva, N. Pika. Zashch.  
rast. ot vred. i bol. 10 no. 4:29-30 '65.
- PEAS—DISEASES AND PESTS**  
Effect of some triazine derivatives on the weediness and  
yield of peas. A. D. Konev, T. A. Gerasimova. Khim. v  
sel'.khoz. 3 no. 4:46-48 Ap '65.
- PEAS—HARVESTING**  
Calculations for a reelless reaper. V. A. Lur'e, L. A.  
Shehmetinskii. Trakt. i sel'.khoz. mash. no. 5:19-21  
My '65.
- PEASANTRY** see subdivision under Africa; Japan,  
Russia
- PEAT**  
Effect of the moisture content and structure on the  
mechanism of heat and moisture transfer in peat.  
M. P. Volarovich, P. N. Davidovskii, N. I. Gamatunov.  
Koll. zhur. 27 no. 2:167-171 Mr-Ap '65.
- PEAT—DRYING**  
Experimental study of the process of the shrinkage of  
peat layers during drying. E. A. Kononov. Izv. vys.  
ucheb. zav., stol. i arkhit. 8 no. 2 121-124 '65
- PEAT BOGS**  
(see also subdivision under Meshchera; Siberia)  
Effect of the various forms of potassium and phosphorus  
fertilizers on the yield of hemp grown in peat-bog  
soils. I. S. Zavorotchenko. Khim. v sel'.khoz. 3 no. 4:  
12-13 Ap '65.
- PEAT MACHINERY**  
Equipment for introducing ammonia water into peat  
crumbs. Mashinostroenie no. 3:102 My-Je '65.
- PEAT SOILS**  
Technology of laying subsurface drainage in peat soils.  
E. Bogatov, L. Shenstagina. Tekh. v sel'.khoz. 25 no. 5:  
20-22 My '65.  
Utilizing peat soils of drained bogs in agriculture and  
forestry. P. A. Turnas. Pochvovedenie no. 4:117-  
120 Ap '65.
- PECHORA BASIN—COAL MINERS—DWELLINGS**  
In the valley of courage. A. T. Sukerman. Sov. shakht.  
14 no. 6:28 Mr '65.
- PECHORA RIVER—REGULATION**  
Development of channel regulation and maintenance in  
the Pechora basin. V. Blisarov. Rech. transp. 23  
no. 12:30-31 D '64.
- PECHORA RIVER—SALMON**  
Diurnal feeding habits of young Pechora salmon (Salmo  
alar L.). V. P. Kornilova. Mat. rybkhoz. issl. Sev.  
bas. no. 4:60-63 '64.  
Feeding habits of young Pechora salmon (Salmo alar  
L.). V. P. Kornilova, V. I. Letovat'seva. Mat. rybkhoz.  
issl. Sev. bas. no. 4:53-59 '64.
- PECTORAL MUSCLES**  
Content of phosphorus compounds in the whole pectoral  
and rad femoral muscles of fowl. H. I. Kysel'ov,  
L. H. Kysel'ova. Ukr. biokhim. zhur. 37 no. 2:278-282  
'65.
- PEDIATRIC RADIOLOGY**  
Clinical roentgenological diagnosis of acute intestinal  
invasion in children. L. M. Roshal'. Vest. rent.  
i rad. 40 no. 1:20-23 Ja-F '65.  
Clinical roentgenological variations of megaduodenum in  
children. V. F. Baklanova, M. A. Filipkin. Vest. rent.  
i rad. 40 no. 1:12-15 Ja-F '65.  
Diagnostic value of pneumoroentgenography of the large  
intestine in ileocecal invaginations in children. V. M.  
Portinol. Vest. rent. i rad. 40 no. 1:15-20 Ja-F '65.
- PEDIATRIC RADIOLOGY—CONGRESSES**  
Session of pediatric roentgenologists of Europe held in  
Paris at the International Children's Center in May 1964.  
K. A. Moskacheva. Vest. rent. i rad. 40 no. 2:76-77  
Mr-Ap '65.
- PEDIATRICS**  
Cutaneous and subcutaneous paronychia in children.  
L. L. Gol'dzand. Vest. dermat. i ven. 38 no. 6:55-58  
Je '64.  
Dombrovskaja, I. U. F., ed. [Current problems of  
the physiology and pathology of childhood] Sovremen-  
nye problemy fiziologii i patologii detskogo vozrasta.  
Red. kollegii: R. L. Gamburg i dr. Moskva, Medi-  
tsina, 1965. 317 p.  
(DNLM)
- PEGMATITES**  
Genesis of pegmatites. K. M. Sirota. Izv. AN SSSR.  
Ser. geol. 30 no. 5:26-31 My '65.
- PEIKO, NIKOLAI IVANOVICH, 1918-**  
Living Russian tradition. A. Kandinskii. Sov. muz. 29  
no. 3:29-32 Mi '65.
- PEIPING—MANUSCRIPTS, TURKIC**  
Turkic manuscripts in Peking. E. N. Nadzhip. Nar.  
Az. i Afr. no. 3 133-138 '65.
- PEKING** see Peiping
- PELAGIC, VASA, 1838-1899**  
An unpublished letter by V. Pelagid'. V. G. Karashev.  
Sov. slav. no. 2 62-65 '65.
- PELTS** see Hides and skins
- PELYM RIVER—HYDROGRAPHY**  
Several hydrographical characteristics of the Pelym  
River. E. V. Lazarev. Uch. zap. MOI 124:109-119  
'63.
- PEMPHIGUS**  
Histological changes in pemphigus and Dühring's der-  
matitis. G. S. Tseradisa. Vest. dermat. i ven. 38 no. 6  
10-16 Je '64.
- PENAL COLONIES**  
For further strengthening of legality in the operation of  
the settlement-type colonies for corrective labor.  
N. Belitskii. Sots. zakon. 42 no. 6:31-34 Je '65.
- PENICILLIN**  
Comparative studies on physiological properties of mi-  
crobes isolated from various inflammatory foci. V. S.  
Zueva, V. N. Solov'ev. Antibiotiki 10 no. 5:438-442  
My '65.  
Effect of organic acids on the production of penicillin  
acylase by *Bacterium faecalis alcaligenes*. V. A.  
Goloviseva, O. D. Uudin, M. M. Levitov. Mikrobiologiya  
34 no. 2:218-222 Mr-Ap '65.  
Effect of phenylacetic acid and sunflower oil on penicillin  
biosynthesis. L. Nyiri, Z. L. Longyel. Antibiotiki 10  
no. 5:395-401 My '65.
- PENICILLIUM**  
Some properties of crystalline and purified noncrystalline  
glucose oxidase preparations from *Penicillium vitale*  
Pildoplet Bilal, R. H. Dektar, M. F. Ilyi, E. B.  
Malzel'. Ukr. biokhim. zhur. 37 no. 2:168-176 '65.
- PENICILLIUM—CULTURES AND CULTURE MEDIA**  
Study of the mechanism of the absorption of orthophosphate  
of the medium by the mycelium of *Penicillium chrys-  
ogenum*. I. S. Kulaev and others. Biokhimiya 20 no. 4:  
750-773 Ji-Ag '64.
- PENSIONS**  
(see also subdivision under Amur Province; Volgograd)  
Decree of the Presidium of the Supreme Soviet of the  
R. S. F. S. R. amending the Law on state pensions.  
Sov. iust. 28 no. 9 8 My '65.
- PENTACENE—SPECTRA**  
Spectral study of pentacene. A. F. Prykhod'ko, A. T.  
Shorobohat'ko. Ukr. fiz. zhur. 10 no. 3:350-352  
Mr '65.
- PENTADIENONE**  
Cyclic polymerization and copolymerization. Part 3:  
Radical polymerization of  $\beta$ -alkyl-substituted divinyl  
ketones. S. G. Malsolun, M. G. Avetian, E. G. Danilina  
Izv. AN Arm SSR. Khim. nauki 17 no. 4:112-110 '64
- PENTAERYTHRITOL**  
Synthesis and transformations of polyhydric alcohols.  
Part 2: Synthesis of trimethylololathane thiocyanates,  
pentaerythritol and its derivatives. M. F. Shostakov-  
skii, A. S. Atavin, A. N. Mirskova. Zhur. ob. khim.  
35 no. 5:807-809 My '65.
- PENTECOST FESTIVAL**  
Tilov, V. E. [Whitsunday] Troitsa, Moskva, Politizdat,  
1965. 39 p. (Dosedya verulushchimi)
- PENTOBARBITAL—PHYSIOLOGICAL EFFECT**  
Changes in the evoked potentials in dogs under the effect  
of nembutal anesthesia. V. A. Ilmyria-Novy. Fiziol.  
zhur. 51 no. 5:538-543 My '65.
- PENTOSEES**  
Obtaining furfural by means of the dehydration of pentose  
hydrolyzates on a hot surface. M. I. Gorlaev, Kh. M.  
Mirfakhov, V. K. Saral'kina. Gidroliz i isokhlim. prom.  
18 no. 4:3-4 '65.
- PENTOXYL**  
Effect of pentoxyl on the normal antibody content in  
chronic hemorrhages. Z. P. Ignat'eva. Pat. fiziol. i  
eksp. terap. 8 no. 6:70 N-D '64.
- PENTYNE**  
Unsaturated  $\alpha$ -oxides. Part 1: 1-Phenyl-4,5-epoxy-1-  
pentyne. M. S. Malinovskii, M. P. Khmel'. Zhur. ob.  
khim. 35 no. 6:860-863 Je '65.
- PEPPERMINT**  
Bormancy period in the rhizomes of peppermint. E. I.  
Korneva. Fiziol. rast. 12 no. 2:320-324 Mr-Ap '65.

PEPPERS see subdivision under Moldavia

## PEPTIC ULCER

Anesthesia in surgery on peptic ulcer of the stomach and duodenum and its complications in elderly and senile patients V B Rumiantsev Trudy Inst im N V Sklif 9,202-203 '63

Effect of diphacil in combination with a therapeutic diet on the course of peptic ulcer V A Oleueva Vop pit 23 no 6,80-84 N-D '64

## PEPTIDES

Antineoplastic activity of the peptides of sarcosylsine, tyrosine and 3,4-dihydroxyphenylalanine S A Vaidanen Vop onk 11 no 1-15-47 '65

Complete synthesis of angiotensin A A Kuzushkin, IU A. Ochinnikov, M M Shennakin Khim prirod soed no 152-58 '65

Deposited peptides. Part 15: Mass spectrometric study of cyclooctapeptides of regular structure V N Bochkarev and others. Khim prirod soed no 152-58 '65

Glycopeptides. Report No. 9: Synthesis of O-aminoacyl derivatives of some monosaccharides. N K Kochetkov, V A Derzhitskaya, I M Likhoshershtov. Izv AN SSSR. Ser. Khim. no. 6:1015-1051 '65

Role of peptides in the formation of toxins by Clostridium oedematis. I. P. Maloiyova, E. V. Vlasova, N. G. Orlov, Zhur. mikrobiol., epid., i immun. 12 no. 2:95-99 F '65

Synthesis of a peptide bond by means of chlorimides. IU V Matin, G. I. Vlasov Zhur. ob khim. 35 no 5: 861-864 My '65.

## PERCEPTION

Age-conditioned characteristics of the formation of the visual image in children. E. I. Ignat'ev. Uch. zap. MGPI no 194:36-38 '63.

Detection of a useful signal from noise in the neuronal impulse activity of the cochlear nucleus in cats E. A Radonova Zhur. vys. nerv. delat. 15 no 3 481-490 My-Je '65.

Methodology for the study of the second signal system in children by means of the RRM-59 radioreflexometer. V. A. Erenkov. Zhur. vys. nerv. delat. 14 no 6: 1104-1108 N-D '64.

Perception of the similarities and differences between geometrical figures in preschool children. N. A. Tsvanuk. Uch. zap. MGPI no. 194:37-53 '63.

Role of spontaneous perceptions and ideas in the activity of the creative imagination of schoolchildren. A. I. Dudetski. Uch. zap. MGPI no. 194 283-287 '63.

Use of Ingve's hypothesis on the structure of the phase in research on speech perception I M Lushchikina Vop psikh. 11 no 2 37-46 Mi-Ap '65

Using the testimonies of witnesses for the study of perceptual processes. L. G. Zhabitskaya I K Shakhman'ian Vop psikh. 11 no 2 148-154 Mi-Ap '65

Visual perception of the images of objects. K. I. Veresotskaya. Uch. zap. MGPI no. 194:93-123 '63.

## PERCH

Ruff population dynamics V D. Spontskaya, V A Grigorash, K. P. Markov Zool. zhur. 44 no 4 561-568 '65.

## PERCHLORIC ACID

Perchlorates of rare-earth elements. M. M. Bal'kova, L. A. Alekseenko. Zhur. neorg. khim. 10 no. 6:1374-1378 Je '65.

Perchloric acid and its compounds as catalysts in organic synthesis. Part 22: Synthesis of pyrylium salts from compounds with a tertiary carbon atom G. N. Dorofeenko, G. I. Zhungietu. Zhur. ob khim 35 no. 6:863-867 Je '65.

Perchloric acid and its compounds as catalysts in organic synthesis. Part 23: Salts of 2-alkyl [3,4; 5,6] bis (indenol) pyrylium. IU, A. Zhdanov, G. N. Dorofeenko, V. A. Palchikov. Zhur. ob khim. 35 no. 5:827-831 My '65.

## PERI, GABRIEL, 1902-1941

Korotey, L. A. [One of the "Party of the executed" (Gabriel Peri)] Odin iz "Partii rassteliannykh" (Gabriel Peri). Moskva, Politizdat, 1965. 100 p.

## -HERNIA

Experimental myxoma simulating perineal vs. N D. Grafskaya. Vop onk 11

Functions, Periodic

ekspr.

earm

M.

---

---

---

---

---

---

---

---

## PERITONEUM--BLOOD SUPPLY

Vascular bed of the ligamentum latum uteri in man and in lower narrow-nosed monkeys Z V Lapina Arkh anat., gist i embri 47 no. 10:93-100 O '64

## PERITONITIS

Absorption of radioactive phosphate from the abdominal cavity in acute peritonitis. L. M. Zagorukov, Pat. fiziol. i eksp. terap. 8 no. 6 22-21 N-D '64.

Effectiveness of surgical treatment in traumatic reticuloperitonitis. A. Andaitis, I. Pranaitis Veterinarija 41 no. 6 75-77 Je '64

Treatment of acute biliary peritonitis in aged persons. T A Mallugina Trudy Inst. im N V Sklif 9:78-81 '63.

## PERJURY

Improvement of the criminal procedure law A. Borodanov. Sots. zakon 42 no 245-17 F '65.

## PERLITE (MINERAL)

(see also subdivision under Mongolia; Transcarpathia; Ukraine)

Efficient drying of perlite products L. F. Ankelev Stroi. mat. 11 no 1 28-29 Ja '65

Glaze with a "crackle" finish on a perlite base. I. G. Khizantshvili, G G Guprindashvili, A. I Shushanishvili Stek i ker. 22 no 6 13-11 Je '65.

Industrial use of heat insulating materials from bloated perlite. A. V. Zhukov, IU A. Sartakov, I. I. Slobodanik. Stroi. mat. 11 no 1 26-27 Ja '65.

Intermittent conveyor for the production of perlite products. S. M. Batshov, Stroi. mat. 11 no. 4 35 Ap '65.

Unit for producing bloated perlite at a rate of 20000 cubic meters per year V. M. Artem'ev and others. Stroi. mat. 11 no 1 27-28 Ja '65.

Using perlite in ceramic coloring. L. I. Chelapanina. Stek i ker. 22 no 6 12-13 Je '65

## PERLITE (MINERAL)--THERMAL PROPERTIES

Thermal characteristics of fractionated perlite sand B. V. Spector. Stroi. mat. 11 no 1 29-30 Ja '65

## PERM--AMATEUR THEATRICALS

Testament to the living. G. Ofengeim. Teatr 26 no. 6: 138-139 Je '65.

## PERM--CONVEYING MACHINERY

Overhead conveyors at the Perm Bicycle Plant. I. A. I. A. Gapei'. Mekh. i avtom. prizv. 19 no. 4:42-13 Ap '65.

## PERM--MACHINERY INDUSTRY--HYGIENIC ASPECTS

Youth of a hundred-year-old plant. N. Kolchanov. Okhr. truda i sots. strakh. 8 no. 5:8-10 My '65

## PERM PROVINCE--AUXILIARY POLICE

[A detachment goes down the street] Idet po ulitse patrul'. [Perm'] Permskoe knzhnoe izd-vo, 1964. 77 p. (CSA-II)

## PERM PROVINCE--COPPER ORES

Lithological complexes of Shestima sediments in the Ural Mountain region of Perm Province and their copper potential. IU A. Nechaev. Lit. i pol. iskop. no 2 154-157 Mr-Ap '65.

## PERM PROVINCE--PODZOL

Typical Podzolic soils in Perm Province formed on topsoil and moraine loams V. P. Chernov Pochvovedenie no 3:1-12 Mr '65.

## PERM PROVINCE--ROCKS, SEDIMENTARY

Lithological complexes of Shestima sediments in the Ural Mountain region of Perm Province and their copper potential. IU A. Nechaev. Lit. i pol. iskop. no 2 154-157 Mr-Ap '65.

## PERM PROVINCE--TRANSPORTATION, AUTOMOTIVE

Toward a perfect organization of labor. A. Kadochnikov. Avt. transp. 43 no. 2:6-7 F '65.

## PERMAFROST see Frozen ground

## PERMITTIVITY see Dielectric constant

## PEROXIDASES

Study of the peroxidase activity of Brucella. M. V. Malikova Zhur. mikrobiol. epid. i immun. 42 no. 3 52-56 Mr '65.

## PEROXIDES

Reactions of aluminum triisopropylate with peroxides and anhydrides G. A. Razuvayev, L. P. Stepovik, E. V. Mitrofanova. Zhur. ob khim. 35 no. 6:1095-1098 Je '65.

## PERSIA see Iran

## PERSIAN LANGUAGE--DICTIONARIES--POLYGLOT

The unique manuscript of the Persian explanatory dictionary "Farhang Zafanguya va Jahanpuya." S. I. Baevskii. Nar. Az. i Afr. no. 3:118-121 '65.

## PERSIAN MANUSCRIPTS see Manuscripts, Persian

## PERSONAL INJURIES

Recovery of damages caused by injuries to health in railway transportation A. Konikakhin. Sots. zakon. 42 no. 6:42-44 Je '65

## PERSONAL PROPERTY

Application of confiscation law to property which has been used to produce unearned income V. Panlugin, A. Khe. Hachechenko Sots. zakon. 12 no. 2:18-12 F '65.

## PERSONALITY

Tugarinov, V. P. [Personality and society] Lichnost' i obshchestvo. Moskva, Mysl', 1965. 191 p.

## PERSPECTIVE

Method of drawing perspectives by using transparent nomograms A V Kuznetsov Izv. vya ucheb. zav., atrol. i arkhit. 8 no 2 166-171 '65.

## PERU--COMMUNIST PARTY

The light of the Leninist ideas. I. Gamaiya Agitator 33 no 11 12-14 Je '65.

## PERU--POLITICS AND GOVERNMENT

The light of the Leninist ideas. I. Gamaiya Agitator 33 no 11 12-14 Je '65.

## PERUMOVA, NINA DANILOVNA, 1894-

Professor Nina Danilovna Perumova; on her 70th birthday Vop. onk 11 no 1:126-127 '65

## PESTICIDES

(see also subdivision under Italy; United States)

From the practices in the use of poisonous chemicals. P. Golenko and others. Zashch. rast. ot vied. i bol. 10 no 5 25-27 '65

Second All-Union Conference on the Chemical Protection of Plants N N. Melnikov. Zhur. VKHIO 10 no 2:221-224 '65.

Zhitomir (Province). Sil'skokhospodars'ka dovlina sluzhba. [Informational material on mineral fertilizers, pesticides and chemical substances used in animal husbandry] Dovidkovyi material po mineralnykh dobryakh otrukhlimkatskh ta khimichnykh rechovykh, shcho zastosovuiut'sia v tvaryumystvi. Zhytomyr, 1964. 106 p.

[DNAL MICROFILM]

PETRALONA, GREECE--MAN, PREHISTORIC

The place of the Petralona man among the paleolithic men. A. N. Putianos. Sov. etn. no 2:91-90 Mr-Ap '65.

## PETRIKOV DISTRICT--CHECKS

Nonsystematic accounting for checks. S. Gutov. Den. i kred. 23 no. 6:55-58 Je '65.

## PETROCHEMICAL INDUSTRY

Future direction of technical progress in the petroleum refining and petrochemical industries. Nefteper. i neftekhim. no. 1:3-8 '65.

## PETROGRAPHIC MICROSCOPE

Use of luminescent microscopy for determination of epigenetic and syngenetic bituminosity of rocks. I A Olli Geol. i geofiz. no 12 119-123 '64

## PETROLEUM see subdivision under Siberia, Western; Zhetybay Oil Field

## PETROLEUM--ANALYSIS see subdivision under Apsheron Peninsula, Saratov Province; Siberian Plain; Volga Valley

## PETROLEUM--MICROBIOLOGY see subdivision under Romashkino Oil Field

## PETROLEUM GEOLOGY

(see also subdivision under Apsheron Peninsula; Arlan Oil Field; Asia, Central; Bashkirtia; Bitkov Oil Field; Bozdag Range; Caspian Mountain region; Caucasus, Northern; Dnieper--Donets Lowland; Dolina Oil Field; Kazakhstan; Korobkovskoye Oil Field; Kyuvodag Oil Field; Markovo Oil Field; Saratov Province; Siberia, Western; Spas Oil Field; Tatar A. S. S. R.; Turan Lowland; Udmurt A. S. S. R.; Ukraine; Uzbekistan; Volga--Ural region; Volga Valley)

Age criteria for the prospects of oil and gas potentials. S. F. Kozlenko. Trudy NVNIGG no. 1:28-33 '64.

Conditions governing the use of some hydrogeological criteria for the estimation of oil and gas potentials. A. S. Zinger. Trudy NVNIGG no. 1:28-28 '64.

Diagnosis of oil producing series N. A. Kudriavtsev Geol. i geofiz. no. 12:95-102 '64.

Migration of petroleum and differential interception of hydrocarbons. A. S. Zinger. Trudy NVNIGG no. 1: 20-25 '64.

Using the electrokinetic potential of suspensions of clay materials to correlate Tertiary sections according to argillaceous members. A. N. Petrovskaya, A. I. Volodchenkova. Trudy VNI no. 43:270-277 '65.

## PETROLEUM INDUSTRY

(see also subdivision under Europe, Western, Near East, Tyumen' Province)

One hundred years of the petroleum industry Burenie no 10 4-9 '61

Petroleum industry in the years of the Great Patriotic War (for the 20th anniversary of the victory over fascist Germany) G. F. Tomilov. Neft khoz. 13 no 5 1-5 My '65

Some theoretical problems of automation in the petroleum, petrochemical, and gas industries. M. V. Meeroz. Trudy MINKHGP no 32 3-8 '61

Towards new work successes comrades petroleum and gas workers Burenie no 10 3 '64

## PETROLEUM INDUSTRY—ACCOUNTING

Accounting and reimbursement of expenditures on geological-prospecting operations. O. I. Leshuk. Neft i gaz. prom. no 2 15-17 Ap-Je '63

## PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES

Create safe equipment in petroleum and gas industries. I. A. Bagirov. Bezop. truda v prom. 0 no 3 60-61 Mr '65

Gerasimenko, I. N. [Welding of corrosion resistant petroleum apparatus] Svarka korrozionno-ustoičivoli neftnepparatury. Moskva, Nedra, 1965. 136 p.

## PETROLEUM INDUSTRY—HYGIENIC ASPECTS see subdivision under Omsk

## PETROLEUM INDUSTRY—MANAGEMENT

Neglect in technology is one of the causes of accidents. D. D. Nikulin, V. N. Stolkun. Bezop. truda v prom. 9 no 3 18 Mr '65

## PETROLEUM PIPELINES

Nonstationary processes in a petroleum pipeline when the regime of the operation of a pumping station changes P. A. Moizov, L. V. Pollanskaja. Neft khoz. 43 no 5 63-68 My '65

## PETROLEUM PIPELINES—CATHODIC PROTECTION

Aging of plastics in saline soils. V. F. Negreev and others. Gaz. delo no 5 10-20 '65

## PETROLEUM PIPELINES—EQUIPMENT AND SUPPLIES

Kulikov, A. A., L. A. Matekin, and N. A. Blahskii, eds. [Handbook on petroleum-pipeline equipment] Spravochnik; oborudovanie magistral'nykh truboprovodov. Moskva, Nedra, 1965. 610 p.

## PETROLEUM PIPELINES—FLUID DYNAMICS

Optimal temperature of the heating of viscous liquids when pumping through pipelines I. S. Striuk, V. I. Chernikin. Neft khoz. 43 no 3 70-73 Mr '65

## PETROLEUM PRODUCTION

(see also subdivision under Artoim Island; Bittov Oil Field; Dolina Oil Field; Georgia; Komi A. S. S. R., Krasnodar Territory; Romashkino Oil Field, Tyumen' Province)

Effect of hydrocarbon soluble surfactants on surface tension. R. A. Musayev, G. A. Babalian, I. I. Kravchenko. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no 5 97-102 '64

Efficient profile for the filter section of a hole. Sh. N. Allov, M. Z. Chernomordikov, B. A. Shapit. Neftprom delo no 4 12-16 '65

Method for the economic evaluation of an increase in the oil yields of beds resulting from the compaction of oil wells. A. N. Buchin. Trudy VNII no 43 221-237 '65

Regularities in the distribution of certain reservoir parameters. V. V. Stankov, I. N. Shuster, Z. I. Muradimov. Trudy VNII no 43 110-130 '65

Results of field investigations of the separation of gas from Bashkirian petroleum in stages A. M. Lobkov. Neft khoz. 43 no 5 33-36 My '65

Simplified method for calculating the damping parameters of gasers and spouters. N. P. Reshetnikov. Neft i gaz. prom. no 2 23-24 Ap-Je '65

Some problems concerning the demulsification of petroleum in the field. E. I. Skripnik, V. I. Dolganov, N. A. Pokin. Neft khoz. 43 no 5 41-44 My '65

Some problems in the study of the geological nonuniformity of producing horizons and its effect on the completeness of the development of the pools. A. I. Stepanov, I. M. Klimushin. Trudy VNII no 43 107-110 '65

Stabilization of petroleum in the field. S. Z. Sagal' Neft. khoz. 43 no 5 30-33 My '65

## PETROLEUM PRODUCTION—COSTS

Calculating the cost of petroleum production for individual wells. B. I. A. Gombiner, K. P. Mikov. Neft. khoz. 43 no 3 1-5 Mr '65

Certain problems of the cost of oil and gas production; a topic for discussion. I. M. Broide. Neft. khoz. 43 no 5 8-10 My '65

What methods should be used to account for the cost of the construction of wells, a topic for discussion. P. M. Fomichev. Neft. khoz. 43 no 3 5-8 Mr '65

## PETROLEUM PRODUCTION—FINANCE

Economic efficiency of the combined preparation of petroleum in the field. V. I. Luzin. Neft khoz. 43 no 5 26-30 My '65

## PETROLEUM PRODUCTION—SAFETY MEASURES

Increase the control in petroleum and gas producing enterprises. V. I. Baraz. Bezop. truda v prom. 0 no 3 16-17 Mr '65

## PETROLEUM PRODUCTION, THERMAL see subdivision under Bashkiriya

## PETROLEUM PRODUCTS

(see also subdivision under Lvov)

Analysis of heavy pyrolytic resin from petroleum hydrocarbons by gas chromatography. O. G. Chabrova, M. I. Afanas'ev, M. S. Vigdergauz. Uzb. khim. zhur. 9 no 1 13-17 '65

Some advice for the organization of the use of petroleum products N. Speransov. Tekh. v sel'khoz. 25 no 5 86-88 My '65

## PETROLEUM REFINERIES

Floating petroleum refinery built on a prestressed reinforced concrete pontoon Sudostroenie 30 no 12 59-60 D '64

Standardization of the expenditure of fuel and thermal energy in petroleum refineries. E. A. Shapiro. Prom. energ. 20 no 3 2-6 Mr '65

## PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Syzran', Kuybyshev Province)

Comprehensive method of mounting equipment B. Kushelevich. Ekon. stroi. no 5 13-14 My '65

## PETROLEUM REFINING

(see also subdivision under Moldavia)

Future direction of technical progress in the petroleum refining and petrochemical industries. V. S. Fedorov. Neftprom i neftekhim. no 1 3-8 '65

Photometric method for determining the content of tar in transformer oil. A. P. Lizogub, A. I. A. Groshev. Neft i gaz. prom. no 2 51-52 Ap-Je '65

Possibilities of using linear programming, based on the example of petroleum refining production G. I. Fridman. Ekon. i mat. metod. 1 no 2 289-296 Mr-Apr '65

Separation of aromatic hydrocarbons from kerosene-gas oil fractions. V. S. Il'yutya and others. Khim. prom. [Ukr.] no 2 120-22 Ap-Je '65

## PETROLEUM REFINING—DESALTING see subdivision under Bashkiriya

## PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Batum; Kuybyshev; Novoufimka, Sverdlovsk Province; Tuapse)

Technology of electric slag welding of petroleum refining and chemical apparatus without normalization. A. M. Makara and others. Avtom. svar. 18 no 5 11-16 My '65

## PETROLEUM REFINING—FINANCE see subdivision under Ukraine

## PETROLEUM REFINING—RESEARCH

Always in search. M. Semizhikhin. Sov. profsaluzy 21 no 12 11-13 Je '65

## PETROLOGY

(see also subdivision under Dniester-Donets Lowland; Paramushir Island; Soviet Central Asia)

Chemical concepts of the processes of formation of petrographic components of coals. D. T. Zabravnyi. Uzb. khim. zhur. 9 no 1 43-46 '65

Textural analysis and the prospects for its development. L. N. Bolvinkina. Lit. i pol. iskop. no 2 5-18 Mr-Apr '65

## PETROPAVLOVSK-KAMCHATSKIY—FAMILY

Family. A. I. Usin. Agitator 33 no 11 36-37 Je '65

## PETROV, NIKOLAI VASIL'EVICH

Nikolai Vasil'evich Petrov. Konstantin Finn. Teatr 28 no 1 105 Ja '65

## PETROVSKII, BORIS VASIL'EVICH, 1908-

In the struggle for life. V. Zak. Sov. muz. 20 no 5 152-154 My '65

## PHAGOCYTOSIS

Effect of some complex compounds of trace elements on the phagocytic activity of leucocytes and the formation of agglutinins in non-irradiated and irradiated rabbits. A. I. Nikolaev, Kh. R. Mukhamedzhanov, S. M. Khalifaov. Zhur. mikrobiol., epid. i immun. 42 no 2 90-95 F '65

Effect of tetracycline, levomycetin, monomycin and streptomycin on Salmonella typhimurium phagocytized by macrophages. O. N. Ekzemplarov. Antibiotiki 10 no 5 420-424 My '65

Effect of thio-TEPA on the phagocytic activity of blood leucocytes; an experimental study. B. T. Garibdzhanlan. Vop. onk. 10 no 12 49-52 '64

Phagocytic activity of leucocytes during the treatment of experimental hepatitis with vitamin B<sub>6</sub>. I. Kh. Tsachnik, I. A. Sytnik, I. I. Noguchevskii. Bul. vop. biol. i med. 59 no 6 46-49 Je '65

Role of phagocytosis in the pathogenesis of tetanus. G. G. Sokolovskaja. Zhur. mikrobiol., epid. i immun. 42 no 1 41-44 Ja '65

## PHARMACOLOGY

Analysis of neurochemical mechanisms of the ascending activation of the cerebral cortex in cats during reactions of various biological types A. I. Turenko. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 100-101 '64

Effect of pharmacological preparations on the motor function of the gastrointestinal tract; a survey. L. D. Lindenbraten, E. G. Plinkhosevich, M. A. Khadzhiyev. Vest. rent. i rad. 40 no 2 31-37 Mr-Apr '65

Some principles of the medicinal treatment of epilepsy. V. M. Levitov. Sov. med. 28 no 4 112-116 Ap '65

## PHARMACOLOGY—ABSTRACTS

[Pharmacology Toxicology] Ref. zhur. Farm Toka. nos 11-13 Je-Jl '65

## PHARYNX—CANCER

Roentgenocinematography in the diagnosis of cancer of the laryngopharynx and cervical portion of the esophagus L. T. Kevesh. Vop. onk. 11 no 1 11-15 '65

## PHARYNX—SURGERY

Results of surgical treatment of cicatricial stenosis of the pharynx following burns by E. M. Khitrov's method. E. U. Fomicheva. Vest. khir. 93 no 11 22-28 N '64

## PHASE CONVERTERS

Synthesis of band-type inverters. N. F. Semeniatu. Elektrosviaz' 10 no 6 75-77 Ja '65

## PHASE MICROSCOPY

Morphological changes in bacteria under the effect of hexachlorophene. Report No. 1. Anoptical microscopy. P. A. Ivankevich, A. P. Bocharov. Zhur. mikrobiol., epid. i immun. 42 no 3 78-81 Mr '65

## PHASE RULE AND EQUILIBRIUM

Certain generalizations in hydrodynamics of the gas-liquid systems. I. P. Levah. Uzb. khim. zhur. 9 no 1 62-71 '65

Characteristics of martensite transformations in titanium alloys. S. G. Fedotov, L. P. Sinodova. Metalloved. i term. obr. met. no 4 26-35 Ap '65

Experimental study of the phase equilibrium of a ternary mixture of methane with normal hexane and cyclohexane. A. S. Velikovskii, G. S. Stepanov, I. A. I. Vybornova. Gaz. prom. 10 no 6 45-49 '65

Hypereutectic part of the iron-carbon constitutional diagram A. A. Vertman and others. Lit. prozv. no 2 27-33 F '65

Intermediate transformation of austenite. K. K. Kozlov, E. T. Kondrat'ev, I. S. Melnikov. Metalloved. i term. obr. met. no 4 8-10 Ap '65

Isothermal formation of the C<sub>2</sub>-phase following precipitation hardening of iron-manganese alloys N. N. Bogachev, V. F. Egolov, L. S. Malinov. Metalloved. i term. obr. met. no 4 2-8 Ap '65

Phase constitution and properties of heat resistant steel containing 12% chromium. L. V. Zaslavskaya, N. F. Lashko, L. S. Fedotova. Stal' 25 no 5 448-452 My '65

Phase diagram of the Na<sub>2</sub>O - V<sub>2</sub>O<sub>5</sub> system. B. V. Slobodin, A. A. Fotelev. Zhur. prikl. khim. 38 no 4 801-809 Ap '65

Phase diagrams of the systems Na<sub>2</sub>BeF<sub>4</sub> - Na<sub>3</sub>PO<sub>4</sub> and K<sub>2</sub>BeF<sub>4</sub> - K<sub>3</sub>PO<sub>4</sub>. M. L. Levina, I. N. Kukharova, V. I. Kalitin. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 8 no 1 3-10 '65

Synthesis and some properties of the ZnGeAs<sub>2</sub> compound. N. A. Gorunova, V. I. Sokolova, T. S. I. Blin. [Chiang Ping-hsi]. Zhur. prikl. khim. 38 no 4 771-778 Ap '65

## PHENANTHROLINE

Complex compounds of rare-earth elements with 1,10-phenanthroline. N. I. Lobanov, V. A. Sminova. Zhur. neorg. khim. 10 no 4 840-843 Ap '65

Determination of an iron microimpurity in high-purity substances by the chromatographic method with o-phenanthroline. O. A. Karakovskaja, E. A. Bozhevol'nov. Trudy IREA no 25 317-320 '63

Determination of microgram quantities of iron in barium salts using a bathophenanthroline reagent. F. P. Gorbenko, L. I. A. Zakova. Trudy IREA no 25 321-324 '63

Synthesis of quinolinium bases. Report No. 5: Synthesis, extraction, and purification of 1, 10-phenanthroline. G. I. Mikhailov. Trudy IREA no 25 66-77 '63

## PHENESTERINE

Spectrum and selectivity of the antineoplastic effect of phenesterine. S. A. Degteva. Vop. onk. 10 no 12 52-58 '64

## PHENETHYLAMINE—PHYSIOLOGICAL EFFECT

Differences in the effect of phenamine and physostigmine on the electrocorticogram in rabbits. V. Micklena, A. Mickis. Fiziol. zhur. 51 no 5 544-546 My '65

- PHENOL—PHYSIOLOGICAL EFFECT**  
Microbiological changes in bacteria under the effect of trichlorophenol. Report No. 1. Anoptical microscopy. P. A. Ishchenko, A. P. Bocharov, Zhur. mikrobiol. epizoot. 42 no. 3:78-81 Mar '65.
- PHENOL CONDENSATION PRODUCTS**  
Mechanism of the press curing of cyanur phenol formaldehyde compression molding materials. V. Kabaivanov, Kh. Alimov, Plast. massy no. 4:15-18 '65.
- PHENOL CONDENSATION PRODUCTS—TESTING**  
Properties of hardened and unhardened epoxy novolacs compositions. A. F. Nivols and others, Plast. massy no. 4:75-78 '65.
- PHENOLS**  
Conductometric analysis of boron fluoride in reaction mixtures in the synthesis of diphenylpropane. I. U. A. Davydova and others, Trudy IREA no. 23:232-239 '63.  
Effect of additions on the synthesis of diphenylpropane. I. M. Buldakov and others, Trudy IREA no. 23:191-194 '63.  
Halophenols as the products of the metabolism of halophenoxyacetic acids in plants. D. I. Chikanov, N. N. Pavlov, A. D. F. Gertsuakii, Khim. v sel. khoz. 3 no. 4:55-60 Apr '65.  
Melting diagram of the ternary system urea - phenol - methylol, A. G. Falchikov, A. G. Bergman, Zhur. ob khim. 35 no. 6:942-945 Je '65.  
Preparation of polyphenylenes from phenols. I. A. M. Pashchenko, O. I. Umarov, Vysokom. soed. 7 no. 4:710-712 Apr '65.  
Radical deamination of 4-amino-2,6-dialkylphenols. G. A. Nizhnikov, V. V. Ershov, Izv. AN SSSR. Ser. khim. no. 6:1097-1100 '65.  
Reaction of phenol with 2-chloroprene in the presence of Friedel-Crafts catalysts. D. A. Novokhatina, B. V. "Istus" enskii, M. K. Tulin, Zhur. VKHO no. 10 no. 2:249 '65.  
Defining liquid alkyl phenols from the production of p-tert-butyl phenol. M. K. Rulin, A. B. Vol'-Epshtein, Neft' i gaz, 1:11-13 '65.  
Role of polyphenols in the oxidation of ascorbic acid in animal tissues. O. M. Platonov, Ukr. biokhim. zhur. 15 no. 3:597-704 '64.
- PHENOLS—EFFECT ON PLANTS** see Plants, Effect of phenols on
- PHENOLS—PHYSIOLOGICAL EFFECT**  
Characteristics of the species of freshwater fishes as to their sensitivity and resistance to phenol. V. I. Lukhtanenko, B. A. Flerov, Gidrobiol. zhur. 1 no. 2:48-53 '65.  
Effect of phenol on the conditioned response activity in fishes. B. A. Flerov, Gidrobiol. zhur. 1 no. 3:48-50 '65.
- PHENOLS IN THE BODY**  
Concentration of conjugated phenol compounds in the tissues of the liver and the walls of the alimentary tract of fetuses and adult cattle. S. I. Kusen', S. F. Shvets', Ukr. biokhim. zhur. 36 no. 5:756-766 '64.
- PHENOTHIAZINE—THERAPEUTIC USE**  
Therapeutic evaluation of theralens in the clinical aspects of depressive states. V. M. Shamanina, G. I. Zavidovskaya, Zhur. nevro. i psikh. 64 no. 11:1741-1746 '64.
- PHENOXY GROUP**  
Phenoxy radicals as oxidation inhibitors and their reaction with hydroperoxides. E. G. Skliarova and others, Izv. AN SSSR. Ser. khim. no. 6:1093-1098 '65.
- PHENYL GROUP**  
Acyl peroxides. Part 8. Reactions of phenyl radicals with mercury (II) acetate. I. U. A. O'ledek, N. A. Maler, V. N. Fabenchay, Zhur. ob khim. 35 no. 5:804-807 My '65.
- PHENYLENEDIAMINE**  
Infrared spectra of phenylenediamine complexes with transition metal salts. M. S. Barvinok, I. S. Bukhareva, Zhur. neorg. khim. 10 no. 4:861-864 Apr '65.
- PHILIPPINES—FOREIGN RELATIONS—UNITED STATES**  
Manila has changed. O. Skalkin, Az. i Afr. seg. 8 no. 6:50-52 Je '65.
- PHILOSOPHERS**  
Our authors, Vop. filos. 19 no. 6:183 '65.
- PHILOSOPHICAL ANTHROPOLOGY**  
Once more on I. I. Semenov's book. V. M. Bakhtia, D. Y. Kuznetsov, Vop. filos. 19 no. 6:175-180 '65.  
Review of letters on I. I. Semenov's book. Vop. filos. 19 no. 6:180-183 '65.  
Some problems of the development of human society. I. I. Semenov, Vop. filos. 19 no. 6:170-175 '65.
- PHILOSOPHY—BIBLIOGRAPHY** see Bibliography—Philosophy
- PHILOSOPHY—CONGRESSES**  
Basic trends in the development of philosophy and law. G. A. Slesarev, Vop. filos. 19 no. 6:142-148 '65.
- PHILOSOPHY, GERMAN**  
Biletiskii, E. E. [At the sources of Marxist philosophy, on F. Engels' book "Ludwig Feuerbach and the end of German classical philosophy"] U. Istokov marksietskiy filosofii, oknige F. Engelsa "Ludvig Feibakh i konets klassicheskoi nemetskoii filosofii," [Moskva] Izd-vo Mosk. univ., 1965, 33 p.  
Karpovits, Ernsta, [Classical German philosophy] Klassika vaku filosofii, Riga, Izdevnieciba "Liesma," 1965, 285 p. [In Latvian]
- PHILOSOPHY OF NATURE**  
Goneharuk, S. I. [Unity of theory and practice] Edinstvo teorii i praktiki, Moskva, Izd-vo "Znanie," 1965, 46 p. (Novoe v zhizni, nauke, praktike. II Seriya: Filosofii, no. 11)
- PHONOGRAPH**  
Stereophonic radio-phonograph combination "Belarus'-62-Stereo" A. Ziger, b. Shkol'nik, Radio no. 3:32-33 Mar '65.
- PHONONS—SCATTERING**  
Scattering of phonons and electrons in solid solutions. E. D. Deviatkova, V. V. Tikhonov, Fiz. tver. tela 7 no. 6:1770-1778 Je '65.
- PHONONS—SPECTRA**  
Anharmonicity effect on the phonon spectrum near the degeneration point. I. U. Kagan, A. P. Zhernov, Zhur. eksp. i teor. fiz. 48 no. 3:971-974 Mar '65.
- PHONORECORDS**  
Work with phonograph records in libraries abroad. M. P. Poznanakia, Bibliotekoved. i bibli. za rub. no. 14:70-88 '64.
- PHOSPHATASES**  
Kinetics of simultaneous hydrolysis of sodium phenyl phosphate and sodium glycol phosphate under the influence of acid phosphatase of the human placenta gland. I. U. G. Zhukovskii, Biokhimiia 20 no. 4:602-608 Ji-Ag '64.
- PHOSPHATES**  
Development of the production technology for ammoniated superphosphate on the basis of a granulation equipment. K. Kamalov and others, Uzb. khim. zhur. 8 no. 1:58-61 '65.  
Distribution of p-dicresylphosphoric acid between aqueous solutions of nitric acid and some organic solvents. S. A. Potapova, V. V. Fomin, Radiokhimiia 7 no. 1:14-25 '65.  
Mobilization of the P<sub>2</sub>O<sub>5</sub> of phosphate meal during the decomposition of rice straw. A. N. Ilaletdinov, Sh. Mamitov, Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 1:52-57 Ja-F '65.  
Phase diagrams of the systems Na<sub>2</sub>BeF<sub>4</sub> - Na<sub>2</sub>PO<sub>4</sub> and K<sub>2</sub>BeF<sub>4</sub> - K<sub>2</sub>PO<sub>4</sub>. M. E. Levina, I. N. Kukhareva, V. I. Kalitin, Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:3-10 '65.  
Relation between the catalytic activity of phosphate catalysts and the conditions of their preparation. A. A. Kalinin, G. B. Kabanova, I. P. Kirillov, Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:88-93 '65.  
Remodeled densitometer for hot disodium phosphate solutions. H. S. Dmitrenko, I. U. U. Lanherman, Khim. prom. [Ukr.] no. 2:77-78 Apr-Je '65.
- PHOSPHATIDES**  
Phospholipids of subcellular brain particles in chick embryogony. E. M. Kreps and others, Zhur. evol. biokhim. i fiziol. 1 no. 1:16-25 Ja-F '65.
- PHOSPHAZO COMPOUNDS**  
Arylamides of phosphazocarbonic acids. G. I. Derkach, A. V. Narbut, Zhur. ob khim. 35 no. 6:1008-1008 Je '65.  
Hydrolysis and acidolysis of trichlorophosphazone alkyls and trichlorophosphazone- $\alpha$ -carboxy alkyl chlorides. I. N. Zhmurova, B. S. Drach, A. V. Kirsanov, Zhur. ob khim. 35 no. 6:1018-1022 Je '65.  
Phenyldialkylphosphazone sulfonyl aryls. V. I. Shevchenko, V. P. Tkach, A. V. Kirsanov, Zhur. ob khim. 35 no. 6:992-998 Je '65.
- PHOSPHINE**  
Complex compounds formed by alkyl- and polyalkylchlorophosphines with aluminum chloride. Part 7. Reduction of complex compounds by metals and metal hydrides. V. G. Gruzdev, S. Z. Irin, K. V. Karpavov, Zhur. ob khim. 35 no. 6:1027-1029 Je '65.  
Conditions of the recovery of radiophosphine from mixed KCl. CaCl<sub>2</sub> crystals irradiated by high energy protons. R. V. Bogdanov, A. N. Murin, Zhur. ob khim. 35 no. 5:916-923 My '65.
- PHOSPHINE OXIDE**  
Palmitates and stearates of trimethylphosphine oxide. L. P. Zhuravleva, G. L. Butova, A. V. Kirsanov, Zhur. ob khim. 35 no. 6:988-998 Je '65.
- PHOSPHINE SULFIDE—THERAPEUTIC USE**  
Effect of thio-TPA on the phagocytic activity of leukocytes, an experimental study. B. I. Gromov, Vop. onk. 10 no. 12:49-52 '64.  
Effect of thio-TPA on the protein composition of blood in sarcoma M-1. T. I. Boshkova, T. N. Smirnova, Vop. onk. 10 no. 12:45-48 '64.  
Effect of transplantation of the bone marrow in the M-1 sarcoma M-1 in rats with high doses of thio-TPA. G. M. Sukhin, Vop. onk. 11 no. 3:48-51 '65.
- PHOSPHINIC ACIDS**  
Preparation of mixed esters of phenylphosphinic acid. V. K. Khritun, M. A. Kurylova, T. I. Boshkova, Izv. AN SSSR. Ser. khim. no. 6:1007-1008 '65.  
Reaction of dibenzylphosphinic acid with formaldehyde esters. B. A. Arbutov, G. G. Butenko, L. G. Iakova, Izv. AN SSSR. Ser. khim. no. 6:1005-1008 '65.  
Reaction of tetrabutyl titanate with methylphosphinic acid esters. K. A. Andrianov, I. K. Kuznetsova, I. N. Smirnova, Izv. AN SSSR. Neorg. mat. 1 no. 3:200-201 Mar '65.  
Reactions of formation of dimethylphosphonyltitanosilic oligomers. K. A. Andrianov, I. K. Kuznetsova, Izv. AN SSSR. Ser. khim. no. 6:1015-1019 '65.  
Reactions of n-tetrabutyl titanate with phosphinic acids. K. A. Andrianov, I. K. Kuznetsova, I. N. Smirnova, Izv. AN SSSR. Neorg. mat. 1 no. 3:301-304 Mar '65.  
Synthesis of the esters of  $\alpha$ -hydroxy  $\alpha$ -aryloxy phosphinic acid. I. K. Rubtsova, V. I. Kuliyevich, Plast. massy no. 4:50-60 '65.
- PHOSPHINIC AMIDE—THERAPEUTIC USE**  
Attempts to prevent and treat recurrence of transplanted rat sarcoma with phosphazine after their removal. L. A. Ivanova, Vop. onk. 11 no. 3:117-118 '65.
- PHOSPHOMOLYBDIC ACIDS**  
Preparation and alkalimetric titration of phosphomolybdic and phosphotungstomolybdic acids. I. U. F. Sikaravskii, Zhur. neorg. khim. 10 no. 5:1070-1082 My '65.
- PHOSPHONAMIDIC ACID**  
Derivatives of acylamidoarylphosphonic acids. G. I. Derkach, P. S. Gubinitkaya, V. A. Shukol, Zhur. ob khim. 35 no. 6:1014-1016 Je '65.  
N-carbalkoxyamidophenylphosphonic acids. A. V. Shlopakov, V. I. Shevchenko, A. V. Kirsanov, Zhur. ob khim. 35 no. 6:1023-1025 Je '65.
- PHOSPHONIC ACIDS**  
Conjugation capacity of phosphonyl groups. H. I. Stepanov, A. I. Bokanov, Zhur. ob khim. 35 no. 6:1124-1125 Je '65.
- PHOSPHOPROTEINS**  
Phosphoproteins of structural elements of the nervous system of a new worm. A. I. Kankava, V. I. Petrov, O. A. Gorlukhina, Vent. Lati 70 no. 6:74-75 '65.
- PHOSPHORAMIDIC ACID**  
Derivatives of phosphamic acid. L. P. Zhuravleva, M. A. Grinuk, A. V. Kirsanov, Zhur. ob khim. 35 no. 6:1008-1009 Je '65.  
Ethylmimides of alkyl- and dialkylphosphorous acids. N. P. Grechkin, I. A. Nuretdinov, Izv. AN SSSR. Ser. khim. no. 6:1105-1106 '65.
- PHOSPHORIC ACID**  
Interaction of mono-2-ethylhexylphosphoric acid with tributyl phosphate in n-octane. I. U. B. Katenin, I. S. Levin, Radiokhimiia 7 no. 1:110-113 '65.
- PHOSPHORITES** see Substitution under Kharatay; Krasnoyarsk Territory; Tuva A. S. R.
- PHOSPHOROUS ACID**  
Reaction of aromatic and heterocyclic thiocyanate derivative with diethyl and triethyl phosphite. V. G. Irenin, I. G. Vitenberg, Zhur. ob khim. 35 no. 6:1030 My '65.  
Synthesis and properties of alkyl aryl esters of pyrocatecholphosphorous acid. P. A. Kirpichnikov, L. M. Popova, Zhur. ob khim. 35 no. 6:1028-1031 Je '65.
- PHOSPHOROUS ORGANIC COMPOUNDS**  
Derivatives of phosphadiazacyclobutane. G. I. Derkach, A. V. Narbut, Zhur. ob khim. 35 no. 6:1032 My '65.
- PHOSPHOROUS ORGANIC COMPOUNDS—TOXICOLOGY**  
Prophylaxis and diagnosis of chronic intoxications in animals. D. D. Poloz, V. A. Poletskii, T. B. Baimuradov, Veterinaria 42 no. 5:73-76 My '65.
- PHOSPHORS**  
Electroluminescence of ZnS phosphor induced by a slowly varying field under the action of additional electric pulses. V. P. Vasilchenko, L. A. Uibo, Zhur. prikl. spekt. 2 no. 3:276-277 Mar '65.  
Exoelectronic emission of phosphors on a CaSO<sub>4</sub> base. A. R. Kravtsov, B. M. Nosonko, V. I. Iakobko, Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no. 1:81-85 '65.  
Thirteenth Conference on Luminescence, Organic luminescence and molecular luminescence. V. L. Levshin, Zhur. prikl. spekt. 2 no. 3:283-284 Mar '65.

## PHOSPHORS—SPECTRA

Effect of  $\text{Ca}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Ba}^{2+}$ ,  $\text{Cd}^{2+}$ , and  $\text{Mg}^{2+}$  ions on the energy distribution in the spectra of various types of luminescence of KCl and NaCl phosphors. A. Kh. Khalilov. Izv. AN Azerb. SSR Ser. fiz.-tekh. i. mit. nauk. no. 6:61-68 '64.

## PHOSPHORUS—EFFECT ON PLANTS see Plants, Effect of phosphorus on

## PHOSPHORUS ACIDS

Study of the reaction of hydroxyl-containing oligomers of propylene oxide with phosphorus acid esters. I. M. Kafengauz, F. K. Samiguln, A. P. Kafengauz. Plast. massy no. 4:13-15 '65.

## PHOSPHORUS HALIDES

Interaction between Iodine's reagent and phosphorus trihalides. G. M. Bogolubov, A. A. Fetisov, Zhur. ob. khim. 35 no. 6:888-892 Je '65.

## PHOSPHORUS IN THE BODY

Content of phosphorus compounds in the white pectoral and red femoral muscles of fowl. H. I. Kysel'ov, L. H. Kysel'ova. Uki. biokhim. zhur. 37 no. 2:279-282 '65.

## PHOSPHORUS ISOTOPES

Absorption of radioactive phosphate from the abdominal cavity in acute peritonitis. L. M. Zagouliko, Pat. fiziol. i. eksp. terap. 8 no. 0:22-24 N-D '64.

Disorders in the permeability of the hematoencephalic barrier to  $\text{p}^{32}$  in rats in hypervitaminosis A. N. I. Mitashova. Trudy TSU 71:221-225 '64.

Distribution of  $\text{p}^{32}$  in ocular tissues in rabbits following repeated introduction. T. S. P. Medvedovskaya. Med. i. rad. 10 no. 3:57-60 Mi '65.

Passage of radioactive phosphate into the cerebrospinal fluid and its inclusion in the cerebral tissue during histamine shock. V. N. El'skii, Pat. fiziol. i. eksp. terap. 8 no. 6:28-31 N-D '64.

## PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Change in the activity of feeding and motility of the tropical rat *Xenopsylla cheopis* labeled with radioactive phosphorus  $\text{p}^{32}$ . V. P. Khatamov. Zool. zhur. 44 no. 4:547-551 '65.

## PHOSPHORUS ISOTOPES—THERAPEUTIC USE

Comprehensive method of studies in the diagnosis of erythemia and secondary erythrocytosis. N. N. Chernysheva. Trudy TSU 71:132-139 '64.

Determination of the radiation dose in the liver of patients with polycythemia on the basis of biostimulation in the use of radiophosphorus therapy. V. I. Lanchenkov. Med. i. rad. 10 no. 5:51-55 My '65.

Functional state of the gastrointestinal tract in radiophosphorus therapy of polycythemia vera. Z. T. Belugina. Med. i. rad. 10 no. 5:35-40 My '65.

Study of transaminases and 17-hydroxycorticosteroids in the urine of patients with erythremia treated with radioactive phosphorus. A. L. Kozyreva, I. U. F. Shchetko, I. U. A. Danilovskii. Trudy TSU 71:124-131 '64.

Treatment of hemoragic thrombocytopenia with radioactive phosphorus. A. L. Kozyreva, R. L. Matishchevskaya. Trudy TSU 71:234-238 '64.

Treatment of polycythemia with radioactive phosphorus and the sexual functions of the female organism. A. L. Kozyreva, A. A. Nesterova. Trudy TSU 71:84-89 '64.

## PHOSPHORUS ISOTOPES—TOXICOLOGY

Assessment of some radiotoxicological characteristics of phosphorus-32. V. P. Pugachevskii, I. A. Likharev. Med. i. rad. 10 no. 2:17-22 S-O '65.

## PHOSPHORUS METABOLISM

Introduction of  $\text{p}^{32}$  in ocular tissues in rabbits following repeated introduction. T. S. P. Medvedovskaya. Med. i. rad. 10 no. 3:57-60 Mi '65.

Effect of insulin on the exchange of nucleic acid phosphorus in the rat brain. G. Kh. Bozhiko. Probl. endok. i. gorm. 10 no. 5:82-88 S-O '64.

Study of the mechanism of the absorption of orthophosphate of the medium by the mycelium of *Penicillium chrysogenum*. I. S. Kul'sev and others. Biokhimiya 29 no. 4:759-773 Ji-Ag '64.

## PHOSPHORUS ORGANIC COMPOUNDS

Derivatives of tetraazadiaphosphacyclopentatetraene. G. I. Derkach, M. V. Kolotilo. Zhur. ob. khim. 35 no. 6:1001-1005 Je '65.

Hydroperoxide reaction in the determination of phosphorus organic compounds in water and feeds. G. N. Borzhenko, V. L. Koliakov, I. I. Gorshkov. Veterinariya 42 no. 6:76-77 My '65.

Study of the thermal decomposition of ethyl ester of trichlorophosphazocarbonic acid by means of  $\text{O}^{18}$ . M. M. Alekhanin, L. I. Samara, G. I. Derkach. Zhur. ob. khim. 35 no. 5:823-825 My '65.

Synthesis of some RO derivatives of phosphazonephosphoroxide. N. I. Shvetsov, I. V. Lebedeva, I. M. Filatova. Zhur. neorg. khim. 10 no. 4:893-894 Ag '65.

## PHOSPHORUS ORGANIC COMPOUNDS—TOXICOLOGY

Comparative effectiveness of phosphorus organic preparations used against the cabbage aphid. A. P. Adashkevich. Khim. v sel'. khoz. 3 no. 5:34 My '65.

Systemic acaricidal properties of some phosphorus organic compounds. T. A. Sidorova, S. A. Semenova, L. F. Krotova. Khim. v sel'. khoz. 3 no. 5:35-37 My '65.

## PHOSPHORYLATION

Effect of toniquet shock on the level of conjugated phosphorylation in brain mitochondria. L. F. Panchenko. Ukr. biokhim. zhur. 37 no. 2:283-288 '65.

N-phosphorylated derivatives of cyanofornic and oxalic acids. G. I. Derkach, E. S. Gubnitskaya. Zhur. ob. khim. 35 no. 6:1009-1014 Je '65.

Oxidation and phosphorylation in mitochondria of the embryonic muscle. V. P. Skulachev, Kh. Dzhuned, A. S. Bratnes. Biokhimiya 29 no. 4:553-551 Ji-Ag '64.

## PHOTOCHEMISTRY

Cleavage and photochemical isomerization of asymmetric platinum (IV) cis-diamines. I. I. Chernakov, L. S. Korubina, G. S. Muravelskaya. Zhur. neorg. khim. 10 no. 5:1045-1050 My '65.

Photooxidation of polystyrene. O. B. Zapol'skii. Vysokom. soed. 7 no. 4:615-620 Ap '65.

## PHOTOCONDUCTIVITY

Development of the concepts of photoconductivity of ether solution of halo derivatives. I. U. A. Kopylov. Elektrokhimia 1 no. 5:579-584 My '65.

Forbidden band width in nickel oxide. I. A. Keandzov, I. A. Drabkin. Fiz. tver. tela 7 no. 6:1884-1888 Je '65.

Impurity and inter-impurity radiative recombination in silicon. I. A. P. Pokrovskii, K. I. Sviatunova. Fiz. tver. tela 7 no. 6:1837-1845 Je '65.

## PHOTOELASTICITY

Photoelastic effect in swollen cyanoethyltrityl cellulose. V. N. Tsvetkov and others. Vysokom. soed. 7 no. 4:608-614 Ap '65.

## PHOTOELECTRIC CELLS

Effect of the inertia of a circuit with photocells and thermistors on the selection of load resistors. S. F. Kondorf, N. S. Muromova. Izv. vuz. ucheb. zav. i. energ. 8 no. 5:102-104 My '65.

Electroluminescent condensers with organic glass base and polymer films. B. L. Agranat, B. P. Kryzhanovskii. Svetotekhnika 11 no. 4:23-25 Ap '65.

Photomagnetic effect with face lighting of a p-n junction. Z. D. Orbinskov. Radiotekh. i. elektron. 10 no. 6:1110-1114 Fe '65.

## PHOTOELECTRIC MULTIPLIERS

Recording ultraweak bioluminescence by noncooled photomultiplier. A. M. Fleish, N. M. Salanaki, R. I. Chumukova. Trudy MOIP, Old. biol. 21:177-180 '65.

## PHOTOELECTRICITY

Photoelectric devices for studying weak luminescences. R. P. Vasil'ev. Trudy MOIP, Old. biol. 21:170-176 '65.

## PHOTOENGRAVING

How to prepare photographic originals for electronic engraving machines. A. I. Geodakov. Poligrafia no. 12:35-38 D '64.

## PHOTOGRAMMETRY—LABORATORY MANUALS

Kislov, V. V., and I. R. Zaitov. [Practical work in photogrammetry] Praktikum po fotogrammetrii. Moskva, Nedra, 1965. 187 p.

## PHOTOGRAPHIC EMULSIONS

Effect of the pH of the impregnating solution on the track length of the  $\alpha$ -particle in the nuclear photographic emulsion. K. B. Zaborenko, V. I. Korobkov. Radiokhimiya 7 no. 1:126-128 '65.

Formation of gradation indices in the manufacture of thin-layer motion-picture films. V. L. Zelikman, T. N. Ustinova. Tekh. kino i. telev. 9 no. 3:1-12 Mi '65.

## PHOTOGRAPHIC OPTICS

Urnakher, L. S. [Optics of photographic and aerial photogrammetric apparatus] Optika fotograficheskikh i aerofotogrammetricheskikh priborov. Izd. 2., perer. i. dop. Moskva, Nedra, 1965. 239 p.

## PHOTOGRAPHY

One hundred and twenty-fifth anniversary of photography. Tekh. kino i. telev. 9 no. 3:92 Mi '65.

## PHOTOGRAPHY—DICTIONARIES

Akademii nauk Azerbaidzhanst SSR, Baku. Terminologicheskii komitet. [Dictionary of photography and cinematography terminology] Slovar' fotograficheskikh i kinematograficheskikh terminov. Baku, Izd-vo Akad. nauk Azerbaidzhanst SSR, 1965. 109 p. [In Russian and Azerbaidzhan].

## PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur. i. Fotokinetek. no. 6 Je '65.

## PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Application of high-speed photography for studying the dynamics of thread movement in high-speed sewing machines. M. N. Ivanov. Shvein. prom. no. 2:18-20 Mr-Ap '65.

## PHOTOGRAPHY, ARTISTIC

Artistic photography and the truth of art. A. Morozov. Iskusstvo 28 no. 3:19-24 '65.

## PHOTOGRAPHY, MEDICAL

Use of colposcopy and colpophotograms in the detection and evaluation of the effectiveness of the treatment of pancer and cancer of the cervix uteri. C. Vikstratits. Vop. onk. 11 no. 1:53-55 '65.

## PHOTOGRAPHY IN NUCLEAR PHYSICS

Study of four-pointed stars in  $\text{p-p}$ -interactions at a primary momentum of 3.5 GeV. M. S. Akhmedinov and others. Izd. fiz. 1 no. 6:1071-1078 Je '65.

## PHOTOMETERS

Underwater integrating photometer. I. L. Pyrina. Gidrobiol. zhur. 1 no. 2:61-67 '65.

## PHOTOMETRY

Determining manganese by the photometric method using formaldehyde. A. D. Gololobov. Pochvovedenie no. 3: 89-93 Mi '65.

Feasibility of determining by photometry the adhesion of an electrolytic deposit to the base. N. K. Naumoshkina, A. T. Vagranian, V. I. Titova. Zashch. met. 1 no. 4: 230-232 Mr-Ap '65.

## PHOTOMETRY, ASTRONOMICAL

Trichromatic photographic photometry of stars with D. D. Maksimov's monocular telescope (theses of a report). V. S. Matlagin. Trudy Astrofiz. inst. AN Kazakh. SSR 5:303-304 '65.

## PHOTOMICROGRAPHY

Microscopic observation of ice formation in cooled inverse emulsions. A. A. Raydel', G. A. Kozlov. Koll. zhur. 27 no. 2:287-288 Mr-Ap '65.

## PHOTONUCLEAR REACTIONS

Photonuclear reactions with alpha-particle emission and four-particle correlations in light nuclei. R. I. Dzhibuli, V. I. Mamashkhilov, T. S. Macharadze. Izd. fiz. 1 no. 6:976-983 Je '65.

## PHOTONS

Experimental observation of the tunnel effect in Cooper pairs with photon emission. I. K. Anson, V. M. Sviridov, I. M. Dmitrenko. Zhur. eksp. i. teor. fiz. 48 no. 3: 976-979 Mr '65.

Photon emission due to the production of muon pairs in electron-positron collisions. V. N. Baier, V. A. Khoze. Zhur. eksp. i. teor. fiz. 48 no. 3:946-951 Mr '65.

## PHOTOPERIODISM

Effect of the spectral composition and intensity of light on the development of plants cultivated under conditions of various photoperiods. I. A. Shul'gin. Fiziol. rast. 12 no. 2:289-300 Mr-Ap '65.

## PHOTOSYNTHESIS

Akademii nauk URSS, Kiev. Institut fiziologii roslin i. agrokhimii. [Photosynthesis and crop yields] Fotosintez i produktivnost' rastenii. Kiev, Naukova dumka, 1965. 280 p. (ONAL)

Calculation of the quantum yield of photosynthesis. V. P. Rychev, V. E. Palamaruk. Fiziol. rast. 12 no. 2:371-374 Mr-Ap '65.

Effect of cobalt on the rate of photosynthesis in potato leaves. I. V. Gori'dko. Fiziol. rast. 12 no. 2:346-348 Mr-Ap '65.

Effect of molecular oxygen on the formation of amino acids during photosynthesis in *Chlorella* under various conditions of light. I. G. Zak. Fiziol. rast. 12 no. 2: 283-289 Mr-Ap '65.

Latvijas Padomju Sociālistiskās Republikas Zinatnu akadēmija, Bioloģijas institūts. [Photosynthesis and the productivity of plants] Fotosintez i. produktivnost' rastenii. Riga, Izd-vo "Zinatne," 1965. 112 p. Photosynthetic development of purple sulfur bacterium *Chromatium vinosum* within narrow ranges of the spectrum. L. K. Canitkala. Mikrobiologiya 34 no. 2: 204-208 Mr-Ap '65.

Polarographic method for studying the kinetics and action spectra of photosynthesis. F. F. Litvin, Kh. I. Tan', [Ho I-tan'], E. I. Efimtsev. Fiziol. rast. 12 no. 2:364-370 Mr-Ap '65.

Present-day concepts of the nature of photosynthesis. B. A. Rubin. Vest. sel'. khoz. nauk. 8 no. 8:5-17 Ag '63.

## PHOTOSYNTHESIS—RESEARCH

Development of research on photosynthesis, Session of the Department of Biochemistry, Biophysics and Chemistry of Physiologically Active Compounds. L. I. Polezova, V. M. Kuturina. Vest. AN SSSR 35 no. 4:100-102 Ag '65.





## PIGMENTATION DISORDERS

Case of Harada's disease. Z. T. Kulieva, Azerb. med. zhur. 42 no. 3:82-85 Mr '65  
Problem of Harada's disease. S. I. Valtikhov, P. G. Zafirova, Azerb. med. zhur. 42 no. 3:79-81 Mr '65.

## PIGMENTS

(see also subdivision under Ukraine)  
Characteristics of the formation of a zirconium-vanadium pigment B. S. Cherepanov, Stek. i ker. 22 no. 6:8-12 Je '65  
Mechanism of the formation of zirconium-silicon-vanadium and certain other ceramic pigments A. S. Bystrikov, Stek. i ker. 22 no. 6:8-8 Je '65  
Obtaining new chrome pigments of the apinle type. S. G. Tumanov, V. P. Pyrkov, Stek. i ker. 22 no. 6:2-5 Je '65.

## PIKAS

Age determination in Ochotona rufula and O. macrotis, A. D. Bernshstein, G. A. Klovezal', Zool. zhur. 41 no. 5:767-789 '65.

## PIKE PERCH

Efficiency of pike perch and bream spawning, M. A. Poltavchuk, Gidrobiol. zhur. 1 no. 2:55-56 '65.

## PILGRIMS AND PILGRIMAGES

Easter pilgrimage. Zhur. Mosk. Patr. no. 6:5 '65.  
Pilgrimage to Sinai. M. Stadnik, Zhur. Mosk. Patr. no. 6:11-16 '65.  
Pilgrimage to the Holy Land. V. Rozhkov, Zhur. Mosk. Patr. no. 6:16-21 '65.

## PILING (CIVIL ENGINEERING)

(see also subdivision under Vorkuta, Komi A. S. S. R.)  
Mechanizing the work of laying pile foundations. T. Svetinskii, A. Gol'din, Stal' i stroi. 19 no. 4:15-16 Ap '65  
Practices in the construction of pile foundations for the supports of overhead contact networks, G. A. Pikhodilov, Transp. stroi. 15 no. 1:6-8 Ap '65.  
Transition of rod reinforcement of piling by the electrothermal method, N. M. Kolokolov and others, Transp. stroi. 15 no. 4:22-25 Ap '65.

## PIMENOV, VLADIMIR FEDOROVICH, 1905-

We congratulate those celebrating anniversary! Teat. 26 no. 6:104 Je '65.

PINE see subdivision under Nizhnolifinsk District; Tselinograd Province

## PINENE—TOXICOLOGY

Causes of the resistance of the gray sugar beet weevil Tenebrio pallidus to polychloroprene, N. M. Paimakova, Khim. v sel'khoz. 3 no. 5:24-28 My '65.

## PINS AND NEEDLES

Calculating the adjustment and tuning of the reducing machine for the manufacture of needle blanks, N. L. Solov'ev, Nauch. trudy MTILP no. 30:201-205 '64.  
Determining the feed by the support of the reducing machine taking the rotation of the separator into account, V. A. Kurch, N. L. Solov'ev, Nauch. trudy MTILP no. 30:306-309 '64.

## PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Daghestan)

Birth of a detachment I. G. Gordin, Nach. shkola 33 no. 4:247-54 Ap '65.  
Junior Pioneers in a camp, N. F. Zhukov, L. Medentsova, Nach. shkola 33 no. 6:58 Je '65  
Let's train them for the work with Pioneers, P. Kharin, Nauch. obr. no. 7:34-35 Ji '65  
Participation of Pioneers in the conservation of nature, N. A. Maksimov, Nach. shkola 33 no. 6:56-58 Je '65.  
Pedagogical diary of a Pioneer detachment, B. Shrivind, M. Koval', M. Trubacheva, Nauch. obr. no. 7:63-66 Ji '65.  
Summer of the Pioneers, V. V. Strumin, Nach. shkola 33 no. 5:72-84 My '65.  
Useful summer, M. Tupikov, Nauch. obr. no. 6:77-80 Je '65.  
Working with Junior Pioneers in a small school, I. V. Efimov, Nach. shkola 33 no. 4:70 Ap '65.

## PIPE

Making cast stone pipe by the static method, V. A. Dorofeev, Lit. prozv. no. 3:47 Mr '65.

## PIPE—CORROSION

Determining the intensity of the growth of corrosion crust on the lift pipes of injection wells during their exploitation, V. G. Ishkhanov, Gaz. delo no. 4:21-24 '65.

## PIPE—WELDING

Heating petroleum-pipe ends with a shifting arc for pressure welding, V. D. Taran, I. U. G. Gagen, Mash. i elekt. sbor. no. 5:30-38 '65.  
Mechanism of the growth of deformation under the repeated effect of a moving heat source, D. A. Gokhfeld, Svar. prozv. no. 4:4-5 Ap '65.

Possibilities of using induction butt welding of pipes in construction, V. N. Bogdanov, Mont. i spets. rab. v stroi. 25 no. 7:6-9 Ji '63  
Quality and reliability in the center of attention, M. Popov, Metallurg 10 no. 5:35 My '65.

## PIPE, ALUMINUM

Mechanical properties of aluminum alloy pipe in relation to the degree of deformation during drawing, G. N. Titlunk, V. I. Shapiro, TSvet. met. 38 no. 5:76-78 My '65.

## PIPE, CLAY

Drainage pipes for agriculture, Stek. i ker. 22 no. 6:40 Je '65.

## PIPE, CONCRETE

More about the hinged pipes designed by engineer A. K. Godyna I. Kusakin, IA. Gladskii, Avt. dor. 28 no. 2:10 F '65.  
New types of equipment for preparing reinforced concrete pipes and pipe fittings for pipelines, L. A. Taran, Uch. zap. Mord. gos. un. no. 15 pt. 2:116-132 '63.  
Practices in manufacturing pressure and non-pressure reinforced concrete pipes, A. I. Mirskii, Trudy Giprovdokhoza no. 26:3-71 '64.  
Some results of an experimental theoretical study of the preparation of reinforced concrete pressure pipes, L. A. Taran, Uch. zap. Mord. gos. un. no. 15 pt. 2:96-115 '63.

## PIPE, CONCRETE—TABLES, CALCULATIONS, ETC.

Calculating prestressed reinforced concrete pipes for strength and crack resistance by using tables, L. A. Taran, Uch. zap. Mord. gos. un. no. 15 pt. 2:87-93 '63.

## PIPE, COPPER

Studying variations in pipe wall thickness in the extrusion of heavy nonferrous metal alloys on horizontal 1500 T. presses, N. P. Belousov, G. N. Strakhov, V. A. Kuznetsov, Trudy LPI no. 243:141-145 '65.

## PIPE, PLASTIC

Connecting polyethylene pipes, V. V. Gar'kavyl, A. N. Krasnopol'skii, Sbor. rab. po mekh. i elektr. sel'khoz. prozv. no. 6:95-96 '63.  
Heating chambers for acid aggressive media with pipes made from ATM-1 graphite plastics, K. D. Loslovskiy, Khim. prom. [Ukr.] no. 2:39-40 Ap-Je '65.  
Rapid and reliable connecting of polyethylene pipes, V. Plisko, Tekh. v sel'khoz. 25 no. 5:84-85 My '65.  
Use of polyethylene pipes in hydraulic mechanization, N. A. Vasil'ev, Transp. stroi. 15 no. 4:20-22 Ap '65.

## PIPE, PLASTIC—DESIGN AND CONSTRUCTION

Assembling underground polyethylene pipelines, V. A. Podlesnyi, Mont. i spets. rab. v stroi. 25 no. 7:9-10 Ji '63.

## PIPE, PLASTIC—TESTING

Effect of the degree of branching of high density polyethylene on the mechanical properties of tubes produced by extrusion, V. V. Lapshin and others, Plast. massy no. 5:22-26 '65.

## PIPE, STEEL

Magnetographic method for testing welded joints of main and industrial pipelines made of ferromagnetic steels, A. S. Fal'kevich, Defektoskopiia no. 1:10-27 '65  
Pipe for the petroleum refining industry, B. N. Kuznetsov and others, Stal' 25 no. 5:448-447 My '65.  
Producing pipe with glass enamel coatings, Z. A. Ginzberg, N. S. Smirnov, Stal' 25 no. 5:443-445 My '65.

## PIPE, STEEL—DEFECTS

The EMID-2M defectoscope is helping workers in pipe mills, P. I. Vit'ko, V. I. Roitman, I. N. Nudel'man, Metallurg 10 no. 5:26-27 My '65.

## PIPE, STEEL—WELDING

Prospects for the expansion of techniques of welding main pipelines, A. S. Fal'kevich, Svar. prozv. no. 4:12-15 Ap '65.

## PIPE, TITANIUM

Principles of sizing piercing mill dies for the piercing of titanium alloys, G. S. Kazakevich, Trudy LPI no. 243:157-166 '65.

## PIPE FITTING

Connecting polyethylene pipes, V. V. Gar'kavyl, A. N. Krasnopol'skii, Sbor. rab. po mekh. i elektr. sel'khoz. prozv. no. 6:95-96 '63.  
Work of a specialized crew of fitters and assemblers, A. L. Korbut-Smirnov, Mont. i spets. rab. v stroi. 25 no. 7:22-24 Ji '63.

## PIPE FITTINGS

Gurevich, D. F. [Design and construction of pipe fittings] Raschet i konstruirovaniye truboprovodnoi armatury, Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1964, 831 p.

New types of equipment for preparing reinforced concrete pipes and pipe fittings for pipelines, L. A. Taran, Uch. zap. Mord. gos. un. no. 15 pt. 2:116-134 '63.

## PIPE FITTINGS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov, [Multipurpose pipe fittings, basic parameters and structural details] Atmatura truboprovodnaya obshchego naznacheniia, osnovnye parametry i konstruktivnye ispolneniia, Izd. ofitsial'noe. Moskva [Izd-vo Standartov] 1965, 80 p. (SSSR, Gosudarstvennye standarty)

## PIPE FITTINGS—WELDING

Soldering fittings to flexible metal hoses in an atmosphere of dissociated ammonia, A. A. Borzenkov, Svar. prozv. no. 4:35 Ap '65.

## PIPE INDUSTRY—QUALITY CONTROL

Quality and reliability in the center of attention, M. Popov, Metallurg 10 no. 5:35 My '65.

## PIPE JOINTS

Flange joints of pipelines made from nonferrous metals, V. B. Protopenov, N. I. Alekseev, Mont. i spets. rab. v stroi. 25 no. 7:10-14 Ji '63  
Increasing the strength of threaded joints of boring pipes, L. I. A. Dreizhinskaya, Blui. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 5:12-13 My '65.

## PIPE MILLS

Investigating the cross plugging process, I. U. F. Shevakin, O. F. Kozlov, F. S. Soldatov, Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:136-141 '65.  
Mechanism for introducing dry lubrication into the pipe shell before entering the rolling mill, M. G. Berdianskii and others, Metallurg 10 no. 6:28-30 Je '65.  
Selecting the amount of widening during the sizing reduction of pipe, G. I. Gullaev, A. I. Dovgal', Stal' 25 no. 6:546-549 Je '65.

## PIPE MILLS—DESIGN AND CONSTRUCTION

Principles of sizing piercing mill dies for the piercing of titanium alloys, G. S. Kazakevich, Trudy LPI no. 243:157-166 '65.

## PIPE MILLS—EQUIPMENT AND SUPPLIES

Correlation between the length of the mandrel and the pipe in rolling on a continuous mill, M. F. Stoletnil, A. Z. Gletberg, Trudy LPI no. 243:186-190 '65.  
The EMID-2M defectoscope is helping workers in pipe mills, P. I. Vit'ko, V. I. Roitman, I. N. Nudel'man, Metallurg 10 no. 5:26-27 My '65.  
Machine for cutting off the unfinished ends of shells, A. F. Krivanov, G. K. Goncharov, S. G. Podolskaya, Metallurg 10 no. 6:33 Je '65.

## PIPE MILLS—HEATING AND VENTILATION

New developments in the ventilation of a pickling department, V. B. Slavin, F. M. Ginet, Metallurg 10 no. 5:31-32 My '65.

## PIPE MILLS—MAINTENANCE AND REPAIR

Reconditioning couplings of automatic pipe rolling mills, B. M. Baikin and others, Metallurg 10 no. 5:29-30 My '65.

## PIPE MILLS—PARTS

Increasing the fatigue strength of parts of a disk piercing mill, A. S. Malkin, Mashinostroenie no. 3:40-41 My-Je '65.

## PIPELAYING MACHINERY

Equipment for trenchless laying of large-diameter pipes, I. K. Shapoval, V. I. Buresh, Mekh. stroi. 22 no. 2:25-26 F '65.

## PIPELINE TRANSPORTATION OF SOLIDS—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp. no. 6 Je '65.

## PIPELINES

(see also subdivision under Ukraine)  
Dynamic characteristics of a pipeline included in the control stage of a thermal process, B. G. Volik, Avtom. i telem. 26 no. 3:539-544 Mr '65.  
Effect method of laying pipelines in sagging soils, E. Rudenko, Stroi. i arkh. 13 no. 5:18-18 My '65.  
Stability of a pipeline and some methods for solving nonconservative problems, O. N. Mukhin, Vest. Mosk. un. Ser. I: Mat., mekh., 20 no. 2:76-87 Mr-Apr '65.

## PIPELINES—CATHODIC PROTECTION

Distribution of corrosion damage along the circumference of a pipeline, E. A. Nikitenko, Gaz. delo no. 5:20-23 '65.  
Electrolytic corrosion of the inner surfaces of pipelines used as conductors of electric current, N. G. Dubrovskii, Gaz. delo no. 1:20-22 '65.

## PIPELINES—CLEANING

Estimating the passability and determining the motive force for methods of internal pipeline cleaning, E. N. Maigurov, E. A. Reva, Gaz. delo no. 1:17-18 '65.

## PIPELINES—CORROSION

- The rate of a year's time on the development of the corrosion of steel in the ground. V. F. Negreev, G. A. Allakhov, V. M. G. Samedov. Gaz delo no 4 24-26 '65.  
Electric method of uncovering "through" damage in insulation coatings on operational pipelines. V. I. Glazkov. Zashch met. 1 no 2 214-223 Mr-Apr '65.  
Laboratory modeling of the internal corrosion of pipelines. V. M. Novakovich. Zashch met. 1 no 2 224-229 Mr-Apr '65.

## PIPELINES—VIBRATION

- Physical modeling of the pressure vibrations in pipeline systems. V. S. Vladislavov and others. Gaz delo no 1 14-17 '65.

## PIPELINES—WELDING

- Prospects for the expansion of techniques of welding main pipelines. A. S. Fal'kevich. Svar. proizv. no. 4: 12-15 Apr '65.

## PIPERAZINE

- Testing piperazine dithiocarbamate in ascaridiasis of chickens. A. I. Korchagin. Veterinarika 42 no 5: 63-64 May '65.

## PIROPLASMOSIS

- Treating the atony of the rumen in babesiasis. M. A. Barykin. Veterinarika 41 no 4 72-73 Apr '65.

## PIROPLASMOSIS, OVINE—PREVENTIVE INOCULATION

- see subdivision under Nakhichevan A. S. S. R.

## PISTON RINGS

- Steel spiral oil-control piston rings for tractor engines. Mashinostroyeniye no. 3 94-95 May-June '65.

## PISTON RINGS—LUBRICATION

- Effect of used mineral oils on the running-in of a friction pair. V. A. Lelluk. Vest mashinost. 45 no 5: 31-32 May '65.

## PISTONS

- (see also subdivision under Dolina Oil Field)  
Physicochemical and thermophysical properties of cast iron for locomotive diesel engine pistons. A. N. Mirza, B. E. Neumark. Lit. proizv. no. 3 27-29 Mr '65.  
Pistons for AD100 diesel engines with ceramic coating. E. V. Kollegov. Vest TSNII MPS 2 no 1 24-28 '65.

## PIROWSKY REACTION see Buret reaction

## PITUITARY BASOPHILISM see Cushing syndrome

## PITUITARY BODY

- Content of adrenocorticotrophic hormone in the pituitary body of rats in various stages of embryonic development. I. U. B. Skebel'skaya. Probl. endok. i gorm. 10 no 5: 74-77 S-O '64.

## PITUITARY BODY—DISEASES

- Adiposogenital dystrophy and diabetes insipidus following cerebrocranial injury. I. I. Ben'kovich. Probl. endok. i gorm. 10 no 4 70-71 Ji-Ag '64.

## PITUITARY BODY—TUMORS

- Ollier's disease (dyschondroplasia) combined with a brain tumor, cranioopharyngioma. G. G. Sokolianskii. Zhur. nevro. i psikh. 65 no 6: 821-824 '65.

## PITUITARY HORMONES

- Effect of ACTH, cortisone and somatotrophic hormone on vascular permeability and leucocyte migration under the effect of adenine nucleotides. R. U. Lipshits. Probl. endok. i gorm. 10 no 5 78-82 S-O '64.

## PITUITARY HORMONES—PHYSIOLOGICAL EFFECT

- Extrarenal effect of antidiuretic hormone. N. N. Pronina, I. Kh. Gabanova, G. B. Mkhitarova. Probl. endok. i gorm. 10 no 5: 88-89 S-O '64.

## PLACENTA

- Study of the tissues of the chorion and allantois chorionic placenta. V. I. Kazanin. Izv. 12. Ser. biol.-med. nauk no 3: 133-136.

## PLAKUNOV, NIKITA KIRILLOVICH

- The love of Nikita Plakunov. E. Luchnetskii. Veterinarika 42 no 5: 30-33 May '65.

## PLANARIA

- So-called conditioned reflexes in Planaria. L. G. Voronin, N. A. Tushmalova. Zhur. evol. biokhim. i fiziol. 1 no 1 95-103 Ja-F '65.

## PLANING MACHINES

- Base forming section in automatic lines for planing scantling parts. I. I. Mikheev. Bum. i del. prom. no 2: 8-13 Apr-June '65.

## PLANKTON

- (see also subdivision under Atlantic Ocean, Azov, Sea of; Black Sea; Caribbean Sea; Korch Strait; Mexico, Gulf of)

- Productive regions of the ocean. V. G. Bogorov. Trudy VNIRO 57 329-331 '65.

## PLANKTON RESEARCH

- Methods of dele mining the raw fat in plankton. D. M. Vitluk. Trudy SBS 17-304-308 '64.

## PLANNING, REGIONAL see Regional planning

## PLANOCOCCUS see subdivision under Mediterranean Sea

## PLANT CELLS AND TISSUES

- Characteristics of bioluminescence of plant tissues. S. V. Konev, M. A. Katibnikov. Trudy MOIP, Old. biol. 21: 69-74 '65.  
Spontaneous and induced ultraweak luminescence of plant organisms. R. A. Gasimov, T. G. Mamedov, B. N. Tarusov. Trudy MOIP, Old. biol. 21: 64-68 '65.

## PLANT COMMUNITIES

- Bykov, B. A. [Dominant plants of the plant cover of the Soviet Union] Dominantnye rastitel'nogo pokrova Sovetskogo Soyuza, Alma-Ata, Nauka, Vol. 3, 1965, 460 p.

- Interrelationships of plants in cultivated communities. A. A. Chasovennina. Vest LGU 20 no 9: 47-63 '65.

## PLANT DISEASES

- For the reliability of material. N. Salynskaya. Zashch. rast. ot vred. i bol. 10 no 4: 16-17 '65.  
Review of the diseases of industrial crops. T. Zakharova, A. Chumakov. Zashch. rast. ot vred. i bol. 10 no 5: 44-45 '65.

## PLANT DISEASES—CONGRESSES

- Second All-Union Conference on the Chemical Protection of Plants. N. N. Mel'nikov. Zhur. VKHO 10 no 2: 221-224 '65.

## PLANT INTRODUCTION

- Akademiya nauk URSS, Kiev, Botanicheskii sad, [Acclimatization and introduction of new plants] Aklimatizatsiya i introduktsiya novykh rasteniy. Kyiv, Naukova dumka, 1965, 221 p.

## (DNAL)

- Brief results of the introduction of food types of mallow in the U.S.S.R. P. K. Medvedev. Rast. res. 1 no 1: 109-115 '65.

- Polygonum coriaryum as a tanning material and the most important problems of its study and introduction. P. D. Sokolov. Rast. res. 1 no 1: 55-58 '65.

## PLANT LICE—EXTERMINATION

- Cabbage aphid. A. Adashkevich. Zashch. rast. ot vred. i bol. 10 no 4: 44 '65.

- Comparative effectiveness of phosphorus organic preparations used against the cabbage aphid. A. P. Adashkevich. Khim. v sel'. khoz. 3 no 5: 34 May '65.

- Control of aphids in nurseries. V. I. Andreeva, M. I. Burlutskaya. Sbor nauch. rab. NIi sad. no 10: 141-145 '64.

## PLANT PHYSIOLOGY

- Period of dormancy and change in the content of physiologically active substances in peach seedlings. M. K. Chailakhian and others. Dokl. AN Arm. SSR 40 no 4: 243-247 '65.

## PLANT PHYSIOLOGY—LABORATORY MANUALS

- Dagys, Jonas, Petras Bluzmanas, and Albinas Putrimas, [Laboratory exercises in plant physiology] Augalu fiziologijos laboratoriniai darbai. Vilnius, Ledykila "Mintis", 1965, 308 p. [In Lithuanian]

## PLANT QUARANTINE see subdivision under Leningrad Province

## PLANT REGULATORS see Growth promoting substances

## PLANT SUCCESSION

- Classification of successions. A. A. Nitsenko. Vest. LGU 20 no 9: 33-46 '65.

## PLANTERS (AGRICULTURAL MACHINERY)

- Improve the planting of seedlings. M. Chubarin. Tekh. v sel'khoz. 26 no 5: 48-53 May '65.  
Studying a fluted feed apparatus for sowing small seed. M. I. Polniakov. Trakt. i sel'khoz. mash. no 5: 28-28 May '65.

- Studying the movement of seed in the drilled sowing device in furrow openers for sowing on double. M. I. Malov. Vest. sel'khoz. nauki [Kazakh] 1 no 2: 1-7 '65.

- The 2STSN-6A sugar-beet planter for even seeding. N. P. Potrenko. Mashinostroyeniye no 1: 66-70 Ja. Je '65.

## PLANTERS (AGRICULTURAL MACHINERY) MAINTENANCE AND REPAIR

- Device for boring the wheel hubs of a planter. M. A. Tekh. v sel'khoz. 26 no 5: 81 May '65.

## PLANTING TIME

- Improved formation of generative organs in wheat sown at an early date. V. M. Pantukhova. Fiziol. rast. 12 no 2: 351-355 Mr-Apr '65.

## PLANTS—ABSORPTION OF WATER

- Determining the sucking power of plants. I. V. L. Trudy GSKII 9: 109-122 '65.  
Study of the relationship between respiration and water absorption in corn with the aid of heavy water (D<sub>2</sub>O). F. D. Samulov. Fiziol. rast. 12 no 2: 270-274 Mr-Apr '65.

## PLANTS—ASSIMILATION

- Determining the absorbing surface of the root system of plants. N. Z. Stankov, T. P. Luchina, V. A. V. Vest sel'khoz. nauki 1 no 8: 125-130 Ag '64.  
Effect of ammonium sulfate on the movement of assimilates in sugar beets. A. A. Anshinov. Fiziol. rast. 12 no 2: 280-284 Mr-Apr '65.  
Effect of fruit on the physiological activity of apple tree leaves. V. O. Kazarina, N. V. Balagereva, K. A. Karapetian. Fiziol. rast. 12 no 2: 313-318 Mr-Apr '65.  
Movement of sugars from the mesophyll in the root bundles of sugar beet leaves. M. I. Brovchenko. Fiziol. rast. 12 no 2: 270-279 Mr-Apr '65.

## PLANTS—CHEMICAL ANALYSIS

- (see also subdivision under Alma-Ata Province)  
Changes in the chemical composition of plants under irradiation at various periods of ontogeny depending on climatic factors. H. S. Zhabanov. Izv. AN Kazakh. Ser. biol. nauk 3 no 1: 65-70 Ja '65.  
Effect of microelements on the yield of cotton and its distribution of ashes in it. A. M. Akhmedov, M. A. Mov. Uzb. biol. zhur. 9 no 1: 23-28 '65.

- Polarographic determination of manganese in plants. V. P. Solov'ev, N. I. Zakharova. Fiziol. rast. 12 no 2: 357-360 Mr-Apr '65.

- Study of oligosaccharides in some plants. V. I. H. T. I. A. Solov'ev, A. I. Grishin. Ukr. biokhim. zh. 10 no 5: 735-738 '64.

## PLANTS—IRRITABILITY AND MOVEMENTS

- Participation of adenosinetriphosphatase in the function of the Mimosa pudica leaf. M. N. L. and others. Biokhimiya 20 no 4: 774-779 Ji-Ag '64.

## PLANTS—METABOLISM

- Effect of bacterization on the nitrogen and carbohydrate metabolism of the blue hybrid alfalfa. I. A. V. Trudy GSKII 9: 105-101 '65.  
Effect of effran 69 on carbohydrate and protein metabolism in weeds. M. A. Alizade, Shakhmat Man. S. V. Karakhanova. Izv. AN Azerb. SSR, Ser. biol. nauk 6 no 10: 22 '64.  
Effect of sodium fluoride on the respiration of leafy leaves and the formation of acids in them. J. A. Vainshtein, S. V. Soldatenkov. Vest. LGU 20 no 9: 117 '65.  
Halophenols as the products of the metabolism of phenylacetic acids in plants. D. I. Chikanikova, D. Pavlova, D. P. Gertselskii. Khim. v sel'. khoz. 3 no 5: 58-60 Apr '65.

- Role of flavoprotein and copper-containing protein enzymes in the oxidative metabolism of plants with varicolored leaves. B. A. Rubin, I. A. Chernavskii, T. E. Krendeleva. Fiziol. rast. 12 no 2: 204-209 Mr-Apr '65.

## PLANTS—NUTRITION

- Mycotrophic nutrition of grasses. N. A. Derzhkova. Biol. MOIP, Old. biol. 70 no 1: 110-120 Ja-F '65.

## PLANTS—RESPIRATION

- Activity of some oxidative enzymes in double intermediate hybrids of corn and the parental forms. M. S. Pavlova. Trudy GSKII 9: 41-50 '65.  
Channels of oxygen conduction from leaves to roots kept under anaerobic conditions. T. V. Chirkova, S. V. Soldatenkov. Fiziol. rast. 12 no 2: 216-225 Mr-Apr '65.  
Effect of gibberellic acid on respiration and oxidative phosphorylation in belladonna seeds. L. N. Beresnevskaya. Fiziol. rast. 12 no 2: 301-305 Mr-Apr '65.  
Effect of sodium fluoride on the respiration of bean leaves and the formation of acids in them. J. A. Vainshtein, S. V. Soldatenkov. Vest. LGU 20 no 9: 117 '65.  
Nonenzymatic oxidation in the seed embryos of wheat of northern origin. V. A. Zenzhenko. Fiziol. rast. 12 no 2: 242-247 Mr-Apr '65.

## PLANTS—RESPIRATION (Continued)

Probable participation of free radicals in the biological processes of energy transfer. V. N. Zholtkevich, A. G. Chetverikov, A. I. A. Rogacheva, *Fiziol. rast.* 12 no. 2: 193-203 Mr-Apr '65.

Secretion of nectar in buckwheat under various conditions as related to respiration. O. A. Zauralov, G. D. Gubar', *Fiziol. rast.* 12 no. 2: 240-256 Mr-Apr '65.

Study of the relationship between respiration and water absorption in corn with the aid of heavy water ( $D_2O$ ). F. D. Samulov, *Fiziol. rast.* 12 no. 2: 226-237 Mr-Apr '65.

## PLANTS—SOILLESS CULTURE see Hydroponics

## PLANTS, CULTIVATED

[Plant culture] *Ref. zhur.* Rast. nos. 12-13 Je-Jl '65.

## PLANTS, EDIBLE see subdivision under Archangel Province

## PLANTS, EFFECT OF ALTITUDE ON

Developmental rhythm of some forage plants at different altitudes of the Nuratau Mountains. K. Khaldarov, *Uzb. biol. zhur.* 9 no. 1: 49-52 '65.

Fruiting of Siberian cedar: according to altitudinal subdivisions of the northeastern Altai. V. N. Vorob'ev, *Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk* no. 3: 86-90 '64.

## PLANTS, EFFECT OF AMINO ACIDS ON

Effect of amino acids on the growth and development of *Anabaena variabilis* in culture. A. I. Morozhko, *Gidrobiol. zhur.* 1 no. 2: 58-59 '65.

## PLANTS, EFFECT OF AMMONIUM SULFATE ON

Effect of ammonium sulfate on the movement of assimilates in sugar beets. A. A. Anisimov, *Fiziol. rast.* 12 no. 2: 220-224 Mr-Apr '65.

## PLANTS, EFFECT OF ASCORBIC ACID ON

Effect of ascorbic acid on the translocation of water in plants. N. S. Spiridonova, *Fiziol. rast.* 12 no. 2: 340-341 Mr-Apr '65.

## PLANTS, EFFECT OF BORON ON

Application of boron fertilizers to flax. A. S. Krest'ianina, *Trudy GSKH* 9: 56-57 '58.

## PLANTS, EFFECT OF CALCIUM ON

Changes in biochemical activity and structure of mitochondria in isolated from plants suffering from calcium deficiency. T. M. Bushuova, O. A. Semikhatova, *Vest. LGU* 20 no. 9: 106-112 '65.

Effect of the amount and ratio of potassium and calcium in nutrient media on the yield and quality on winter wheat grain. L. V. Mosolova, *Khim. v sel'. khoz.* 3 no. 5: 2-6 My '65.

## PLANTS, EFFECT OF CARBANILIC ACID ON

Toxicity of carbide to wild oats and wheat as related to various conditions. V. F. Ladonin, L. I. Beketova, *Khim. v sel'. khoz.* 3 no. 5: 46-50 My '65.

## PLANTS, EFFECT OF COBALT ON

Accumulation of cobalt by plants as related to the content and forms of its compounds in the soil. N. V. Kulikov, N. A. Timofeeva, *Pochvovedenie* no. 4: 70-74 Ap '65.

Effect of cobalt on the rate of photosynthesis in potato leaves. I. V. Gorid'ko, *Fiziol. rast.* 12 no. 2: 346-348 Mr-Apr '65.

## PLANTS, EFFECT OF ETHYLENIMINE ON

Effect of gamma rays, fast neutrons and ethylenimine on the rate of chromosomal aberrations in winter wheat. V. E. Gorin, *Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk* no. 3: 117-121 '64.

## PLANTS, EFFECT OF GAMMA RAYS ON

Effect of gamma rays on the content of various ascorbic acid forms and reduced glutathione in cotton. N. N. Nazirov, *Uzb. biol. zhur.* 9 no. 1: 5-10 '65.

Male sterility in plants induced by penetrating radiation. B. I. Avramenko and others. *Dokl. AN BSSR* 9 no. 3: 292-294 Mr '65.

## PLANTS, EFFECT OF INSECTICIDES ON

Effect of chloroform organic insecticides on the nitrogen fixation by pulse crops. N. K. Krupskii, L. F. Krasnopolskaya, *Khim. v sel'. khoz.* 3 no. 4: 34-35 Ap '65.

## PLANTS, EFFECT OF IODINE ON

Effect of iodine fertilizers on some biochemical processes in cotton and wheat. Sh. M. Kuliev, *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 6: 69-73 '64.

## PLANTS, EFFECT OF LIGHT ON

Change in the composition and content of pigments in blue-green algae as related to the spectral composition of light and illumination degree. V. D. Zheyner, M. V. Gusev, S. V. Shestakov, *Mikrobiologiya* 34 no. 2: 200-215 Mr-Apr '65.

Chloroplast structure in the leaves of corn grown under various light conditions. O. P. Osipova, N. I. Ashur, *Fiziol. rast.* 12 no. 2: 257-262 Mr-Apr '65.

Effect of the spectral composition and intensity of light on the development of plants cultivated under conditions of various photoperiods. I. A. Shul'gin, *Fiziol. rast.* 12 no. 2: 289-300 Mr-Apr '65.

## PLANTS, EFFECT OF MINERALS ON

Theoretical basis of the control of mineral nutrition of plants, conference in Moscow. Z. I. Zhuritskii, D. V. Sitrusberg, *Vest. AN SSSR* 35 no. 4: 102-104 Ap '65.

## PLANTS, EFFECT OF MOLYBDENUM ON

Effect of seed treatment with molybdenum on the yield of peas. L. A. Panfilova, *Uzb. biol. zhur.* 9 no. 1: 36-38 '65.

## PLANTS, EFFECT OF NITROGEN ON

Nitrogen-containing substances in some organs of the broad bean (*Vicia faba* L.) during the process of their development. A. D. Berezhnikov, V. G. Klimenko, *Uzb. biol. zhur.* 35 no. 5: 739-750 '64.

## PLANTS, EFFECT OF OXYGEN ON

Effect of molecular oxygen on the formation of amino acids during photosynthesis in *Chlorella* under various conditions of light. E. G. Zak, *Fiziol. rast.* 12 no. 2: 263-269 Mr-Apr '65.

"Oxygen effect" of bioluminescence. T. S. M. Avakian, B. N. Tarusov, S. N. Adzhani, *Trudy MOIP, Old biol.* 21: 80-83 '65.

## PLANTS, EFFECT OF PHENOLS ON

Role of phenol compounds in the ontogeny of apple. I. M. Azarov, S. D. Amaeva, *Fiziol. rast.* 12 no. 2: 342-343 Mr-Apr '65.

## PLANTS, EFFECT OF PHOSPHORUS ON

Assimilation of phosphorus in phosphorite meal by buckwheat on acid turf-Podzolic soils. A. A. Melkazarova, *Vesti AN BSSR, Ser. sel'shosp. nav.* no. 4: 23-28 '64.

Effectiveness of phosphorus fertilizers in mountain meadows of the Northern Caucasus. A. A. Zotov, *Khim. v sel'. khoz.* 3 no. 5: 11-14 My '65.

## PLANTS, EFFECT OF POTASSIUM ON

Effect of the amount and ratio of potassium and calcium in nutrient media on the yield and quality on winter wheat grain. L. V. Mosolova, *Khim. v sel'. khoz.* 3 no. 5: 2-6 My '65.

Effect of the level of nitrogen and phosphorus nutrition on the intensity of the uptake of potassium by plants from nutrient solutions. H. V. Udovenko, M. P. Ivanov, *Vesti AN BSSR, Ser. sel'shosp. nav.* no. 4: 16-22 '64.

## PLANTS, EFFECT OF RADIATION ON

Changes in the chemical composition of plants undergone irradiation at various periods of ontogeny depending on climatic factors. R. S. Zhuravov, *Izv. AN Kazakh SSR, Ser. biol. nauk* 3 no. 1: 45-70 Jan '65.

Effect of gamma rays, fast neutrons and ethylenimine on the rate of chromosomal aberrations in winter wheat. V. E. Gorin, *Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk* no. 3: 117-121 '64.

Effect of gamma-rays on the yield of watermelons. A. T. Gaika, *Vest. sel'khoz. nauki* 8 no. 5: 53-54 Ag '63.

Effect of ionizing radiations on the oxidation-reduction processes of some plants. A. Kh. Tagizade, S. G. Gusainov, *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 6: 91-98 '64.

Measurement of optical radiation in the cultivation of plants. I. I. Sventitskii, *Svetotekhnika* 11 no. 4: 19-23 Ap '65.

Somatic radiomutations by the box elder (*Acer negundo* L.). G. P. Privalov, *Biul. MOIP, Old biol.* 70 no. 1: 153-160 Ja-F '65.

## PLANTS, EFFECT OF SALTS ON

Variation of the sulphydryl group content in plants under the effect of salinization. M. I. Shvachkina, A. P. Loshadkina, *Fiziol. rast.* 12 no. 2: 332-336 Mr-Apr '65.

## PLANTS, EFFECT OF SODIUM FLUORIDES ON

Effect of sodium fluoride on the respiration of bean leaves and the formation of acids in them. E. A. Vainshtein, S. V. Soldatenkov, *Vest. LGU* 20 no. 9: 113-117 '65.

## PLANTS, EFFECT OF SURFACE ACTIVE AGENTS ON

Effect of DS preparation on soils and plants. A. I. Larin, L. I. Romanuk, *Khim. v sel'. khoz.* 3 no. 4: 22-23 Ap '65.

## PLANTS, EFFECT OF TEMPERATURE ON

Thermal-vegetative chambers with the regulation of soil and air temperature for experiments with plants. A. I. Korovin, V. A. Vorob'ev, V. K. Kurets, *Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk* no. 3: 141-144 '64.

## PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of microelements on the dynamics of nitrogen compounds in soybeans under various conditions of moisture supply. M. R. Rustambekov, G. A. Rzaev, *Izv. AN Azerb. SSR, Ser. biol. nauk* no. 6: 11-17 '64.

Effect of microelements on the yield of cotton and the distribution of ashes in it. A. M. Iakubov, M. D. Abramov, *Uzb. biol. zhur.* 9 no. 1: 23-28 '65.

Effect of trace elements on the yield of corn in loamy turf-Podzolic soils of Plessey. A. I. Lapo, Z. M. Hushyna, *Vesti AN BSSR, Ser. sel'shosp. nav.* no. 4: 28-35 '64.

## PLANTS, EFFECT OF TRIAZINE ON

Effect of some triazine derivatives on the woodiness and yield of peas. A. D. Konev, T. A. Gerasimova, *Khim. v sel'. khoz.* 3 no. 4: 46-48 Ap '65.

## PLANTS, MOTION OF FLUIDS IN

Effect of ascorbic acid on the translocation of water in plants. N. S. Spiridonova, *Fiziol. rast.* 12 no. 2: 340-341 Mr-Apr '65.

## PLANTS, PROTECTION OF

(see also subdivision under Fergana Province; Krasnodar Territory; Kuybyshev Province; Tselinograd Province; White Russia)

In defense of plant resources. P. Kliushkin, *Zashch. rast. ot vred. i bol.* 10 no. 5: 55 '65.

Introduced on recommendation by the journal. V. Velichenko, N. Zagladov, *Zashch. rast. ot vred. i bol.* 10 no. 5: 13-14 '65.

Protection of grain crops in Saratov Province. P. Trofimov, V. Kozlov, *Zashch. rast. ot vred. i bol.* 10 no. 5: 17-20 '65.

## PLANTS, PROTECTION OF—EXHIBITIONS see subdivision under Uzbekistan

## PLANTS, PROTECTION OF—RESEARCH

(see also subdivision under Hungary; Kazakhstan)

In memory of the fallen comrades. M. Gorlenko, *Zashch. rast. ot vred. i bol.* 10 no. 5: 14-16 '65.

## PLANTS, RADIOACTIVE SUBSTANCES IN

Grodzinski, D. M. [Natural radioactivity of plants and soils] *Estestvennaia radioaktivnost' rastenii i pochv.* Kiev, Naukova dumka, 1965, 215 p.

## PLASMA (IONIZED GASES)

Acceleration of ions in a plasma produced by contact braking of a current in a vacuum. M. A. Tiutina, *Zhur. tekhn. fiz.* 35 no. 3: 511-515 Mr '65.

Behavior of a plasma with high radiation pressure in a strong electric field. L. E. Gurevich, V. I. Vladimirov, *Zhur. eksp. i teor. fiz.* 48 no. 3: 890-900 Mr '65.

Circumterrestrial and interplanetary plasma. K. I. Gringauz, *Vest. AN SSSR* 35 no. 5: 60-66 My '65.

Confinement of stable plasma in magnetic mirror traps. M. S. Ioffe, *Vest. AN SSSR* 35 no. 5: 48-52 My '65.

Cyclotron excitation of magnetoacoustic waves by a charged particle flux. V. V. Angelko, A. B. Kisenko, *Zhur. tekhn. fiz.* 35 no. 3: 170-174 Mr '65.

Dependence of the relative population of displaced levels of the copper atom on the electron concentration in an arc discharge plasma. L. I. Kiselevskii, V. N. Snopko, *Zhur. prikl. spekt.* 2 no. 3: 207-211 Mr '65.

Detection of centimeter waves in a gas discharge plasma. G. A. Sobol', *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2: 420-421 '65.

Diffusion theory of a positive column. L. E. Belousova, *Zhur. tekhn. fiz.* 35 no. 3: 475-485 Mr '65.

Effect of a variable electric field in steady-state helical instability in an electron-hole semiconductor plasma. L. V. Dubovoi, V. F. Shanskii, *Zhur. eksp. i teor. fiz.* 48 no. 3: 800-803 Mr '65.

Emission of an extraordinary wave by the current carrying layer of a magnetoactive plasma. M. V. Samokhin, *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2: 251-259 '65.

Energy loss by a charge moving in an inhomogeneous magnetoactive plasma. V. V. Tarnokhin, *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1: 42-49 '65.

Excitation of waves in a confined plasma by modulated current. A. M. Kondratenko, *Ukr. fiz. zhur.* 10 no. 3: 346-348 Mr '65.

Experimental study of plasma acceleration by the gradient of a superhigh-frequency field. I. R. Gekker, *Zhur. tekhn. fiz.* 35 no. 3: 577-580 Mr '65.

Nonlinear interaction between a charged particle beam and a plasma. N. P. Gioradze, *Zhur. tekhn. fiz.* 35 no. 3: 416-420 Mr '65.

Plasma spraying. P. V. Gladkii, I. I. Frumin, *Avtom. svaz.* 18 no. 3: 213-217 Mr '65.

Possibility of "pulsatory" distributions of turbulent sound waves in a plasma. I. A. Akhiezer, *Zhur. eksp. i teor. fiz.* 48 no. 3: 928-930 Mr '65.

Propagation of electromagnetic waves in a medium with a variable refractive index. L. P. Presnitskov, I. I. Sobel'man, *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1: 57-63 '65.

Propagation of waves of final amplitude in a plasma allowing for the effect of charge separation. A. D. Pataraia, *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1: 27-33 '65.

Radiation reaction in the case of longitudinal waves. O. V. Gordinitskii, *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1: 54-59 '65.

Role of helium in a helium-xenon plasma. E. P. Ostapchenko, V. I. Pugnin, *Zhur. prikl. spekt.* 2 no. 3: 227-231 Mr '65.

Shifting of the resonance frequency of the interaction between a plasma clot and a spatially modulated magnetic field. V. H. Marynin, *Ukr. fiz. zhur.* 10 no. 3: 343-346 Mr '65.

## PLASMA (IONIZED GASES) (Continued)

- Stability of charged instabilities due to strong interaction between a plasma and a neutral gas. IU V Vandakurov. Zhur tekhn. fiz. 35 no. 3 398-401 Mr '65.
- Some problems in the physics of high-temperature plasma. L. A. Partamovich. Vest AN SSSR 35 no. 5 39-45 My '65.
- Stability of some instabilities of a plasma column carrying current in a strong magnetic field. IU V Vandakurov. Zhur tekhn. fiz. 35 no. 3 390-397 Mr '65.
- Solving equations for a plasma flow with allowance for the reaction of methane decomposition in it. L. S. Pukht, T. A. Mukhtarova. Izv. AN Azerb. SSR Ser. fiz.-tehn. i inzh. nauk. no. 6 53-61 Jul '64.
- Theory of the instability of an anisotropic plasma with a beam. S. F. Ruzmishin, A. A. Rukhadze, V. G. Rukhlina. Izv. vuzovsk. radiofiz. 8 no. 1 50-56 '65.
- Transformation of waves at the interface plasma-vacuum. S. F. Ruzmishin. Zhur tekhn. fiz. 35 no. 3 582-585 '65.
- Turbulent heating of plasma. F. K. Zavoiskii. Vest. AN SSSR 35 no. 5 53-58 My '65.
- Transverse electromagnetic fields guided by plasma. Part 2. I. G. Fodorova, M. A. Miller. Izv. vys. shk. fiz. i tekhn. 8 no. 1 34-41 '65.

## PLASMA OSCILLATIONS

- Amplification of a particle beam of plasma waves related to a nonresonant interaction on the sharply defined interface of a medium. S. A. Fairshet. Izv. vuzovsk. radiofiz. 8 no. 1 13-26 '65.
- Excitation of longitudinal low-frequency plasma oscillations by a charged particle flux with an anisotropic distribution function. D. G. Lomnadze, K. N. Stepanov. Zhur tekhn. fiz. 35 no. 3 440-445 Mr '65.
- Excitation of plasma oscillations by an oscillator flux. D. G. Lomnadze, K. N. Stepanov. Zhur tekhn. fiz. 35 no. 3 441-443 Mr '65.
- Interaction of waves with particle energy in a weakly turbulent plasma. V. M. Dikhs, L. I. Rudakov, D. D. Rukho. Zhur tekhn. fiz. 35 no. 3 4913-4920 Mr '65.
- Theory of oscillations of a plasma in a high-frequency electric field. IU M. Aliev, V. P. Sudin. Zhur eksp. i teorn. fiz. 43 no. 3 901-912 Mr '65.

## PLASTIC BEARINGS

- Calculating the number of revolutions of Die-casting machine needed for making large polyamide sliding bearings. V. M. Shustakov. Vest mashinost. 45 no. 6 37-39 Je '65.
- Highly efficient replacement for metal. F. I. A. Polishchuk. Metallurg. 10 no. 5 37 '65.

## PLASTIC FILMS

- Processing of polymers into film materials. L. I. Kazakov and others. Zhur VKHO 10 no. 2 160-164 '65.
- Properties of polyethylene films used for packing. G. Kutanin, I. Sian. Sov. tovg. 38 no. 3 26-28 Mr '65.
- Synthetic films as the best binding material in budding. A. N. Stobbov. Seor. nauch. rab. NII sad. no. 10 108-110 '64.
- Use of polymer films for packaging and storage of jam and fruit pastes. M. I. Soboleva. Kons. i ov. prom. 20 no. 3 32-35 Mr '65.
- Use of polymeric film materials in storing fruit and vegetables. D. K. Shapiro. Kons. i ov. prom. 20 no. 6 43-44 Je '65.

## PLASTIC FILMS—TESTING

- Studies in the field of the stabilization of polyamide films. V. N. Kochetkov and others. Plast. massy. no. 3 12-14 '65.
- Study of the structural and mechanical properties of plasticized polyacrylate D 4 type films and possibilities of their orientation. M. S. Akutin, L. A. Rodionova, L. F. Zinin. Plast. massy. no. 3 32-36 '65.

## PLASTIC FILMS—WELDING

- Effect of aging and surface treatment on the weldability of polyethylene films. N. A. Melnikova and others. Plast. massy. no. 4 35-38 '65.

## PLASTIC FOAMS

- Determination of the overpressure developed by foam polystyrene during molding. P. V. Godilo, I. G. Romanov. Plast. massy. no. 4 34-36 '65.
- Kaufman, B. N., and others. [Structural expanded plastics] Skrotel'nye poroplasy. Moskva, Skrotel'dat, 1965, 173 p. (Novye skrotel'nye materialy).
- Rapid method for determining the volumetric weight of elastic polyurethane foams. V. A. Sidorov. Plast. massy. no. 4 74-75 '65.
- Spray guns for foam plastics and calculation of the basic parameters of air-liquid jets. G. A. Bulatov. Plast. massy. no. 5 27-32 '65.
- Using chloroform anhydride for the hardening of epoxy resins as exemplified in the manufacture of foam plastics. V. D. Valgin, E. V. Vasil'eva, V. A. Sergeeva. Plast. massy. no. 3 57-59 '65.

## PLASTIC PIPE see Pipe, Plastic

## PLASTIC SPRAYING

- Spray guns for foam plastics and calculation of the basic parameters of air-liquid jets. G. A. Bulatov. Plast. massy. no. 5 27-32 '65.

## PLASTIC SURGERY see Surgery, Plastic

## PLASTICITY

- Analytic theory of plasticity. V. D. Kiliushnikov. Izv. AN SSSR, Mekh. no. 2 82-87 Mr-Apr '65.
- Bezakhov, M. I. [Examples and problems in the theory of elasticity, plasticity and creep of materials] Primery i zadachi po teorii uprugosti, plastichnosti i polzuchesti. Moskva, Vysshaya shkola, 1965, 310 p.
- Determining the plastic constant of metals by their hardness. B. A. Shcheglov. Kuz'-shtam. proizv. 7 no. 4 6 Apr '65.
- Limit equilibrium of inhomogeneous plates and shells of revolution under piecewise-linear conditions of plasticity. IU. P. Listerova, M. A. Rudis. Izv. AN SSSR, Mekh. no. 2 89-94 Mr-Apr '65.
- The local determination hypothesis in the theory of plasticity. Dao Duy Blich. Vest. Mosk. un. Ser. i. Mat., mekh. 20 no. 2 67-75 Mr-Apr '65.
- Metal flow during the extrusion of variable cross-section products. A. A. Saprykin, L. A. Shofman. Kuz'-shtam. proizv. 7 no. 4 1-5 Apr '65.
- Plasticity of silicon. I. D. Kirvaldize. Fiz. tver. tela 7 no. 6 1897-1898 Je '65.

## PLASTICIZATION

- Adhesion and physicochemical properties of chlorinated polyvinyl chloride in interbundle plasticization. N. I. A. Gribkova, P. V. Korlov, S. V. Iakubovich. Vysokom. soed. 7 no. 4 751-755 Apr '65.
- Structuration and mechanical properties of plasticized isotactic polystyrene in the presence of artificial crystallization nuclei. V. A. Kaigin, T. I. Sogolova, N. I. Rapoport-Molodtsova. Vysokom. soed. 7 no. 1 576-578 Apr '65.

## PLASTICIZERS

- Role of the plasticizer in fiber destruction under the action of ultrasonic vibrations. V. T. Faerman. Khim. volok. no. 2 51-54 '65.
- Synthesis and study of dialkyl lactates of 1,5-epoxyhexahydrophthalates. E. N. Buzunova, A. I. Kutsenko, P. A. Moshkin. Plast. massy. no. 5 30-40 '65.

## PLASTICS

- Brake shoes made from a composition material and the characteristics of their operation on trains. L. A. Vukolov. Elek. i tepl. taga 9 no. 1 29-31 Apr '65.
- Increased stability of the physicochemical indices of plastics at low temperature baking. E. V. Vol'skii. Plast. massy. no. 4 32-34 '65.
- New development in the manufacture and use of foamed plastics. N. A. Napalkov, L. I. Pokrovskii. Zhur. VKHO 10 no. 2 188-194 '65.
- Piezothermoplastics from sawdust and sulfate lignin. V. A. Maslov. Der. prom. 14 no. 5 17-18 My '65.
- Plastic boards for manual cutting of materials. L. M. Vinetskii. Kozh.-obuv. prom. 7 no. 4 33-34 Apr '65.

## PLASTICS—ELASTIC PROPERTIES

- Study of the moduli of elasticity of polyvinyl chloride, polyethylene, and textolite in bending and twisting. P. Panov. Plast. massy. no. 3 46-48 '65.

## PLASTICS—ELECTRIC PROPERTIES

- Certain properties of electroconductive plastics with a base of polystyrene and nickel flake. V. I. Shoiokhova, L. L. Kuz'min. Plast. massy. no. 3 23-25 '65.

## PLASTICS—MOLDING

- Determination of the rheological properties and molding parameters of thermosetting plastics under injection molding conditions. A. D. Sokolov, I. F. Kannvets. Plast. massy. no. 3 18-23 '65.

- Effect of certain factors on the baking of unsaturated polyester resins. O. M. Levitskaya and others. Plast. massy. no. 4 18-20 '65.

- Mechanism of the press curing of cyanuric phenol formaldehyde compression molding materials. V. Kabaivanov, Kh. Alaminov. Plast. massy. no. 4 16-18 '65.

## PLASTICS—STANDARDS

- New standards for plastics. Plast. massy. no. 3 70-71 '65.
- New standards for plastics. Plast. massy. no. 4 70-80 '65.

## PLASTICS—TESTING

- Effect of nitric acid vapors on plastics. L. I. A. Moshinskii. Plast. massy. no. 5 64-67 '65.
- Effect of thermal aging on the operational properties of plastics. P. P. Dagaev. Plast. massy. no. 5 41-43 '65.
- Machine for fatigue test of plastics. B. L. Smushkovich, B. I. Vinogradov. Plast. massy. no. 4 70-71 '65.
- Resistance of various plastics to aggressive media. N. A. Kolesnyk and others. Khim. prom. [Ukr.] no. 2 11-14 Apr-Je '65.
- Study of the brittleness temperature of plastics. M. D. Frenkel', S. B. Ratner. Plast. massy. no. 4 30-44 '65.

## PLASTICS—THERMAL PROPERTIES

- Determination of the heat conduction coefficient of plastic materials with an epoxy resin base. I. A. L. P. Lonskaya, A. R. Chudnovskii. Plast. massy. no. 4 33-35 '65.

## PLASTICS, EFFECT OF RADIATION ON

- X-ray diffraction examination of polyamide films irradiated from irradiated solutions. A. M. Afonin and others. Plast. massy. no. 4 52-55 '65.

## PLASTICS IN BUILDING

- Kaufman, B. N., and others. [Structural expanded plastics] Skrotel'nye poroplasy. Moskva, Skrotel'dat, 1965, 173 p. (Novye skrotel'nye materialy).
- Plastic roofs and their characterization. Izv. vuzovsk. radiofiz. 8 no. 1 13-26 '65.

## PLASTICS IN INDUSTRY

- Gauz, S. N., M. S. Emel'yanov, and V. D. Parkhomenko. [Plastics in the instrument industry]. Vashinskaya, 1965, 100 p.
- Use of plastics in hydraulic turbines. Izv. vuzovsk. radiofiz. 8 no. 1 13-26 '65.

## PLASTICS IN MEDICINE

- Closing the defects of the skull and the dura mater. V. K. Vichomova-Onipenkova, N. I. Dolgov. Vest. Inst. im. N. V. Sklif. 8 164-167 '63.
- Our method of primary alloplasty for defects of the skull. V. D. Golovanov, M. E. Tikhonova. Vest. Inst. im. N. V. Sklif. 8 161-163 '63.

## PLASTICS IN SURGERY

- Apparatus for the fixation of splinters of the lower jaw in the operation of gluing. Vest. Inst. im. N. V. Sklif. 93 no. 11 100-110 N '64.

## PLASTICS IN THE AUTOMOBILE INDUSTRY

- Using plastic in the manufacture of the T-14 tractor. A. N. Tsyenko. Mashinostroyeniye no. 1 60-64 '65.

## PLASTICS IN THE MACHINERY INDUSTRY

- Belyi, V. A., A. I. Syvildemov, and S. V. Shcheglov. [Plastic gear transmissions] Zubechatye peredachi iz plastmassy. Minsk, Nauka i Tekhnika, 1965, 247 p.
- Capron worm gear for a reducer. I. A. Gendler, A. Kh. Gendler. Mashinostroyeniye no. 2 14-16 '65.
- Conference-seminar on the introduction of plastics in the machinery industry. V. A. Vokhov. Vest. Inst. im. N. V. Sklif. 8 164-167 '63.
- Design of units for vibratory application of plastic coatings. V. V. Zhukov. Vest. mashinost. 45 no. 3 30-41 My '65.
- Economic efficiency of the use of polymer materials in the machinery industry. V. M. Shcheglov. Mashinostroyeniye no. 3 103-105 My-Je '65.
- Efficiency of the use of polymer gear wheels. V. A. Belyi and others. Izv. vuzovsk. radiofiz. 8 no. 1 13-26 '65.
- Nonmetallic materials in machine-tool construction. E. Malanova. Tekhn. est. no. 3 40-48 Apr '64.
- Plastic pistons. A. M. Belits, I. G. Mikhalev, D. I. Ritsman. Mashinostroyeniye no. 2 10 12 '64.

## PLASTICS IN THE PETROLEUM INDUSTRY

- Aging of plastics in saline soils. V. I. Negreba and others. Gaz. delo no. 6 10-20 '65.

## PLASTICS IN SHIPBUILDING

- Glass-reinforced plastic as a reliable means of increasing the strength of reinforced concrete structures. V. V. Sokolov, N. P. Trunin, B. A. Peltov. Mashinostroyeniye no. 12 42-49 D '64.

## PLASTICS INDUSTRY

- Economics of the production of impact resistant polystyrene plastic. M. P. Kocherov, N. P. Frenkel', N. M. Markonova. Plast. massy. no. 4 1-1 '65.

## PLASTICS INDUSTRY—CONGRESS'S

- First All-Union Scientific and Technological Congress on the Use and Processing of Plastic Materials in the National Economy. E. I. Iankov. Zhur. VKHO 10 no. 2 225-227 '65.

## PLASTICS INDUSTRY—PERIODICALS

- Conference of the readers of the periodical Plast. massy. A. A. Bulatov and others. Plast. massy. no. 4 70 '65.

## PLASTICS MACHINERY

- Conditions of the formation of the shape of polymer granules. B. A. Olenov, G. V. Sagalov. Plast. massy. no. 5 34-37 '65.
- Equipment for manufacturing plastics products. E. M. Korotkiy, A. N. Levin, A. A. Shoyashov. Plast. massy. no. 3 1-3 '65.
- Japanese exhibition of equipment for the production and welding of plastics. G. N. Strekalov. Vest. Inst. im. N. V. Sklif. 18 no. 6 70-78 My '65.

## PLASTICS MACHINERY (Continued)

New machines and equipment for processing plastics and their trend of development. M. I. Mishchenko. Zhur. VkhGO 10 no. 2:133-143 '65.

## PLASTICS MACHINERY—PATENTS

Dmitriy, L. M. [New equipment for the preliminary processing of molded polymeric materials, review of foreign patents on the basic branches of the industry] Novoe oborudovaniye dlya predvartel'noi obrabotki i osnovenykh polimernykh materialov; obzor inostrannykh patentov po osnovnym otaslam promyshlennosti. Moskva, Tsent. nauchno-issl. i in-t patentnoi informatsii i tekhniko-ekon. issledovaniy, 1963. 34 p.

[MICROFILM]

## PLATE TOWERS

Foam transfer through the walls of a coil pipe under imbibing-foaming conditions. O. M. Drobysheva, V. K. Raskidkin. Trudy IREA no. 25:446-449 '65.

Kinetics of ammonia absorption by its aqueous solutions in a column with glass sieve plates. O. M. Drobysheva, V. K. Raskidkin. Trudy IREA no. 25:437-445 '65.

## PLATES (ENGINEERING)

Bending of an antisymmetric elliptic plate weakened by elliptic holes. V. V. Meglinskii. Prikl. mekh., 1 no. 4:40-57 '65.

Problems in the theory of plates and shells. M. N. Proskurkin. Bet. i zhel.-bet. II no. 4:46-47 '65.

## PLATES, ALUMINUM—WELDING

Methods of rolling forces needed for the tearing apart of welded strip. I. L. Perlin, I. G. Kirpa. TSvet.met., 38 no. 3:80-83 Mr '65.

## PLATES, IRON AND STEEL

Effect of the rolling system on the quality of plate steel. G. M. Katsnel'son. Stal' 25 no. 5:433-435 My '65.

## PLATES, IRON AND STEEL—TESTING

Investigating the quality and mechanical properties of St.3ps plate steel. L. A. Smirnov and others. Stal' 25 no. 6:511-516 Je '65.

## PLATINUM

Electroconductivity of diluted solutions of transition metals in platinum. I. U. N. Tsvetkov, N. V. Volkenshtein. Zhur. eksp. i teor. fiz. 48 no. 3:796-799 Mr '65.

Metals of the platinum group in rock forming and accessory minerals of ultrabasic rocks. L. V. Razin, V. P. Khvestova, V. A. Novikov. Geokhimiya no. 2:159-174 F '65.

Positive surface ionization of potassium on textured platinum bands. E. P. Chalkovskii, G. V. Pilyayn. Zhur. tekhn. fiz. 35 no. 3:528-534 Mr '65.

## PLATINUM COMPOUNDS

Cis effect in complex platinum (IV) compounds. O. T. Zvaghinaev, I. F. Sashchukina, B. I. Peshchevitski. Zhur. neorg. khim. 10 no. 5:1033-1037 My '65.

Cleavage and photochemical isomerization of asymmetric platinum (IV) cis diamines. I. I. Cherniaev, L. S. Koshlinskii, G. S. Muravievskaya. Zhur. neorg. khim. 10 no. 3:1045-1050 My '65.

Complex compound of divalent platinum with glycylglycine. L. M. Volshchik, G. G. Mottagina. Zhur. neorg. khim. 10 no. 6:1320-1331 Je '65.

Oxidation of cis- and trans-isomers of bivalent platinum by sodium vanadate. S. V. Zemskov, B. V. Pilyayn. Zhur. neorg. khim. 10 no. 6:1502-1503 Je '65.

Properties of cyano compounds of tetravalent platinum. I. I. Cherniaev, A. V. Babkov. Zhur. neorg. khim. 10 no. 4:802-811 Ap '65.

Rate of the reaction of Pt (II) trans-diammine nitro-bis-oxide with potassium nitrite. A. V. Babayeva, R. I. Rudyi. Zhur. neorg. khim. 10 no. 5:1268-1267 My '65.

## PLATINUM COMPOUNDS—SPECTRA

Infrared spectra of tetravalent platinum complex compounds containing chloramines. I. U. S. Varshavskii, I. U. N. Kukul'skii. Zhur. neorg. khim. 10 no. 6:1332-1337 Je '65.

## PLATINUM ELECTRODES see Electrodes, Platinum

## PLAY

Children's play. N. Bolarskaya. Doshk. vosp., 38 no. 4:20-31 Ap '65.

Outlining the subject of children's play. N. Ivanova. Doshk. vosp., 38 no. 5:28-33 My '65.

Problem of the classification of games. N. Pantina. Doshk. vosp., 38 no. 5:23-28 My '65.

## PLAYGROUNDS

Look after the children. G. Strashnov. Zhit. i kom. khaz. 15 no. 4:28-30 Ap '65.

## PLAYS FOR CHILDREN see Children's plays

## PLAZAS see subdivision under Kiev

## PLEURODYNIA, EPIDEMIC

Characteristics of the clinical aspects in the course of Bornholm disease caused by Coxsackie virus B3. G. F. Kolesnikov and others. Sov. med., 28 no. 4:52-56 Ap '65.

## PLEURODYNIA-LIKE ORGANISMS

Factors leading to L-transformation of Treponema pallidum. L. M. Ustimenko. Zhur. mikrobiol., epid. i immun., 42 no. 1:107-111 Ja '65.

Isolation of PPLO, L-forms and heteromorphous forms of bacterial growth from the cerebrospinal fluid of patients with purulent meningitis. G. I. A. Kagan, D. I. Koptelova, V. I. Pokrovskii. Zhur. mikrobiol., epid. i immun., 42 no. 2:105-110 F '65.

## PLEXIGLAS—TESTING

Determination of the resistance to crazing plexiglas in solvents. M. I. Frolova. Plast. massy no. 5:58-60 '65.

## PLONIKOV VLADIMIR NIKOLAEVICH, d. 1875

New information on V. N. Plonnikov. E. A. Masanov. Sov. etn. no. 2:157-161 Mr-Ap '65.

## PLOWS

Automatic regulation of the running depth of tractor-driven plows. A. B. Lurie, A. P. Ioffinov. Zap. Len. sel'khoz. inst. 85:102-205 '61.

Derivation of the equation for the system of the automatic regulation of the running depth of tractor-driven plows. A. B. Lurie. Zap. Len. sel'khoz. inst. 85:172-176 '61.

The PPN-40 mounted subsoil plow. I. A. Z. Zhilitskii, N. P. Losev. Sbor. nauch. rab. NI sad. no. 10:136-140 '64.

## PLOWS—TESTING

Use of rheostat transducers in field research on the work of mounted plows. V. A. Vasil'ev. Zap. Len. sel'khoz. inst. 85:267-270 '61.

## PLOWS—VIBRATION

Effect of the forced vibration of a plow on the stability of soil structure. V. I. Tsvetnikov. Zap. Len. sel'khoz. inst. 85:252-258 '61.

## PLUM see subdivision under Georgia

## PLUTONIUM

Preparation and certain properties of nitrate solutions of Pu(V). A. D. Gel'man, V. P. Zaitseva. Radiokhimiya 7 no. 1:40-55 '65.

State of Pu(IV) in the pH = 1.0-12.0 region at 2.10-5 M plutonium concentration. V. I. Graneshchikova, U. P. Davydov. Radiokhimiya 7 no. 2:191-195 '65.

## PLUTONIUM NITRATES

Behavior of Pu(V) in nitrate solutions. A. D. Gel'man, V. P. Zaitseva. Radiokhimiya 7 no. 1:56-68 '65.

Preparation and certain properties of nitrate solutions of Pu(VI). A. D. Gel'man, V. P. Zaitseva. Radiokhimiya 7 no. 1:40-55 '65.

## PNEUMATIC CONTROL

Composite hydropneumatic modeling system. A. S. Tumaikin. Trudy MINKHIGP no. 52:85-92 '64.

Modernizing the control system of model 305 core-blowing and core-shooting machines. G. A. Viktorov. Lit. proizv. no. 3:43 Ms '65.

Some problems in the theory of pneumatic systems of automatic machines. Y. V. Gerts. Mashinostroyeniye no. 3:12-30 '65.

Study of the errors of pneumatic timers. I. A. Lapshenkova. Trudy MINKHIGP no. 52:78-82 '64.

## PNEUMATIC CONVEYING

Conveying grain in air conduits. N. Cherniaev. Muk. - elev. prom. 31 no. 3:20-23 Mr '65.

Pneumatic conveying equipment in enterprises. M. M. Kisilevskii. Poligrafia no. 12:25-28 D '64.

Pneumatic sand conveying at the "Krasnyi Fskavator" Plant. M. M. Kuschel, I. I. Red'ko. Mashinostroyeniye no. 2:50-52 Mr-Ap '65.

Pneumatic tube with a felt filter for testing pneumatic machinery. A. Kemmer and others. Muk. - elev. prom. 31 no. 3:24-25 Mr '65.

## PNEUMATIC GAUGES

Selecting the parameters of a pneumatic measuring system according to given metrological characteristics. B. N. Markov, E. I. Ied. Izv. tekhn. no. 2:15-17 F '65.

## PNEUMATIC MACHINERY—SAFETY MEASURES

"Instructions in safety measures for working with ventilating and pneumatic conveying installations" by M. A. Tarkovskii. Reviewed by B. Maksimchuk, A. Krivoshein, B. Krichigin. Muk. - elev. prom. 31 no. 3:31 Mr '65.

## PNEUMOCOCCAL INFECTIONS

Effect of indopan, a monoamine oxidase inhibitor, on the sensitivity of white mice and rats to tetracycline and pneumococcal infection. Z. A. Popenkova, E. V. Guseva. Antibiotiki 10 no. 5:432-435 My '65.

Study of the biological nature of the virulent characteristics of microbes. Report No. 2: Character of pneumococcal infection in white mice in relation to the course of infection and the dose of the pathogen. S. A. Anatolii. Zhur. mikrobiol., epid. i immun. 42 no. 2:120-124 F '65.

## PNEUMOGASTRIC NERVE see Vagus nerve

## PNEUMONIA

Bronchopneumonia in calves and its treatment. M. I. Nemchenko. Veterinaria 42 no. 5:84-85 My '65.

Course of pneumonias in an intraepidemic period and during influenza epidemic. N. I. Morozkin, E. A. Bli kovaika, A. S. Pashchenko. Sbor. nauch. trud. Inst. infek. bol. no. 4:125-130 '61.

Croupous pneumonia and agranulocytosis. G. A. Smole-nakii, G. S. Marmolevskaya. Sov. med. 28 no. 4:74-76 Ap '65.

Electrophoretic studies on protein fractions of the blood serum in postinfluenza pneumonias. V. M. Plotnev. Sbor. nauch. trud. Inst. infek. bol. no. 4:180-184 '61.

Etiology of infectious cough in camels. S. Olakhbaev. Veterinaria 42 no. 6:105-106 Je '65.

Fibrous structures of the lung in influenza and bacterial pneumonias. N. E. Bol'sman. Sbor. nauch. trud. Inst. infek. bol. no. 4:98-103 '64.

Molchanov, N. S. [Acute pneumonias] Ostrye pnevmonii. [Leningrad] Meditsina, 1965. 206 p. (DNLM)

Morphological difference between atelectasis of the lungs and pneumonia in suddenly deceased breast-fed children. N. A. Mitiaeva. Sud.-med. ekspert. 3 no. 4:8-17 Ap-Je '60.

Some possibilities of the use of tomography in X-ray diagnosis of acute pneumonia. Sh. Shotamor. Vest. rentg. rad. 39 no. 5:13-49 N-D '64.

Testing of hormones (cortisone and prednisone) in pneumonia. R. A. Khersonskaya. Sbor. nauch. trud. Inst. infek. bol. no. 4:193-198 '64.

Treating acute enzootic bronchopneumonia in calves. I. M. Sarafkin, I. A. Burlak. Veterinaria 41 no. 4:56 Ap '65.

Treatment of chronic nonspecific pneumonia and bronchial asthma with aerosol inhalations. I. T. Mal'tsev, A. N. Mel'nik, N. A. Voronina. Sov. med. 28 no. 4:76-79 Ap '65.

## PNEUMOPERTONEUM, ARTIFICIAL

Pneumopertoneum and gynecological radiography in the diagnosis of the internal female sex organs. M. S. Poliak. Vop. onk. 10 no. 12:77-81 '64.

Tsybul'skii, B. A., and V. I. Sotnikov, comps. [Combined use of contrast media in the X-ray diagnosis of abdominal tumors, methodological manual] Kombinirovannoe kontrastirovaniye v rentgenodiagnostike opykheloi brushnoi polosti; metodicheskoe posobie. Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii in-t, 1964. 76 p. (DNLM)

## PNEUMOTHORAX

Late results of treating pulmonary tuberculosis patients with extrapleural pneumothorax. L. A. Karet'skii. Sov. med. 28 no. 4:57-61 Ap '65.

## PODKAMENNAYA TUNGUSKA VALLEY—SWAMPS

Genesis of rolling bogs in the Podkamennaya Tunguska basin. S. P. Efremov, N. I. Pivachenko. Izv. SO AN SSSR no. 12 Ser. biol. - med. nauk no. 3:37-43 '64.

## PODOL'SK (MOSCOW PROVINCE)—SEWING MACHINES

The question has been put in time. A. Razunov. NTO 7 no. 5:27-28 My '65.

## PODOL'SK (MOSCOW PROVINCE)—TECHNOLOGY—INFORMATION SERVICES

Practices of the center for science and technology promotion in the Podol'sk Economic Council. F. G. Krjukov. NTI no. 3:20 '65.

## PODZOL

(see also subdivision under Perm Province; Siberia, Western; Viljandi region, Estonia)

Assimilation of phosphorus from phosphorite meal by buckwheat on acid turf-Podzolic soils. A. A. Melkazarova. Vest. AN BSSR. Ser. sel'khoz. nauk no. 4:23-28 '64.

## POETICS

Is structural poetics possible. V. Kozhinov. Vop. lit. 9 no. 6:88-107 Je '65.

Purposes of the structural study of literary creation. I. Revzin. Vop. lit. 9 no. 6:73-67 Je '65.

## POGODIN, NIKOLAI FEDOROVICH, 1800-1862

Living Pogodin. Teatr. 26 no. 3:103 Mr '65.

Poem about the five-year plan, the first plays of Nikolai Pogodin. E. Kholodov. Teatr. 26 no. 3:37-47 Mr '65.

## POISONING

Pathological changes in internal organs of cats following poisoning by Erysimum. N. S. Dubinin. Trudy Inst. fiziol. AN Kazakh. SSR 7:62-67 '64.

## POLAND—AERONAUTICS

Polish aviation today. J. Rachkovskii. Av. i kosm. 47 no. 7:88-90 Ji '65.



- POLAND—AIRLINES**  
Polish air lines Jerzy Ponieczny Gzazhd av. 19 no. 5 29 My '62
- POLAND—COURTS**  
The Supreme Court of People's Poland, Jan Wasilkowski, Marjan Mazur, Zbigniew Resik Sots zakon 42 no. 2-27-30 F '65
- POLAND—CRANES, DERRICKS, ETC.**  
Development of elements of construction tower cranes in Poland E Rytel Mekh. stroj 22 no. 216-19 F '65.
- POLAND—ELECTIONS**  
170,000 elected representatives of the people, D. Beneslavskii, Mezhdunar. zhizn' 12 no. 7 110-111 Ji '65.
- POLAND—FOREIGN RELATIONS—RUSSIA**  
The state and trends of development of the Polish research on the history of Polish-Soviet relations Tadeusz Cieślak Sov. slav. no. 2 124-126 '65.
- POLAND—HISTORY—SOURCES**  
Source deficiencies, C. Robinska, Vop. ist. 40 no. 6 76-88 Je '65
- POLAND—HYDROBIOLOGY—CONGRESSES**  
Sixth Congress of Polish Hydrobiologists, V. V. Guryich, Gidrobiol. zhur. 1 no. 3 59 '65.
- POLAND—JUSTICE, ADMINISTRATION OF**  
The Supreme Court of People's Poland, Jan Wasilkowski, Marjan Mazur, Zbigniew Resik, Sots zakon 42 no. 2-27-30 F '65.
- POLAND—MUSIC FESTIVALS**  
Bylgaszcz and Torun, 1965 Z. Lissa Sov. muz. 29 no. 3 121-121 Mr '65.  
Festival in Poznan, I. Vachinskaja, Sov. muz. 29 no. 3 117-121 Mr '65  
Music that will never grow old, V. Vasina-Grossman, Sov. muz. 29 no. 3 113-117 Mr '65.
- POLAND—POLITICS AND GOVERNMENT**  
Three-party alliance, a letter from Warsaw, Irina Trofimova, Nov. vrem. 23 no. 25-4-7 Je '65.
- POLAND—RELATIONS (GENERAL) WITH RUSSIA**  
In close contact, the Polish-Soviet scientific and technical cooperation, B. Stronski Vnesh. torg 45 no. 6 13-15 '65.
- POLAND—RELATIONS (MILITARY) WITH RUSSIA**  
Comrades in arms, J. Urhadowicz, Komm. Vooruzh. Sil 46 no. 8 70-72 Ap '65
- POLAND—SOCIALISM**  
Leninism and the Polish social democracy, Felix Tyche, Sov. slav. no. 2 21-32 '65.
- POLAND—TECHNOLOGICAL INNOVATIONS—FINANCE**  
Financing the development of technology in the People's Republic of Poland, U. Voltshekhovskaja, Fin. SSSR 39 no. 5 77-83 Je '65.
- POLAND—THEATER**  
Russian classics on the Polish stage, IU. Okunkova, D. Roizotskii Teatr 26 no. 6 145-154 Je '65
- POLAND—WATER—INFORMATION SERVICES**  
Polish Branch Center for Technical and Economic Information in the Field of Water Economics J. Seliga, NTI no. 3 48-51 '65
- POLAND—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**  
Janic, Marian, [Partisans are coming, Translated from the Polish] Idut partizany, Moskva, Voenizdat, 1965, 168 p.
- POLAR REGIONS—PAVEMENTS, BITUMINOUS**  
Hot-laid bituminous pavements under Far North conditions V. A. Zakharov Avi. dor. 28 no. 2 13-14 F '65.
- POLARIZATION (ELECTRICITY)**  
Calculation of the current distribution on a cathode by the method of straight lines, A. N. Trofimov, V. T. Ivanov, Elektrokhimia 1 no. 2 224-225 F '65.  
Current distribution on a cathode as a strip in a half-space of the electrolyte with a polarization curve expressed by the Tafel formula N. P. Gnuin and others Elektrokhimia 1 no. 4 452-459 Ap '65  
Effect of cathodic and anodic polarization of a catalyst for ammonia synthesis on its activity Part 2, L. M. Dmitrenko, S. S. Lachinov, R. F. Slivakova, Kin. i kat. 6 no. 1 121-127 Ja-F '65.  
Effect of ultrasound on the processes of polarization and polarization reversal in triglycine sulfate crystals and in BaTiO<sub>3</sub> ceramics, V. M. Rudik, A. I. Baranov, Izv. AN SSSR Ser. fiz. 29 no. 8 955-958 Je '65.  
Electrophysical properties of an oxidized niobium electrode during cathodic and anodic polarization, V. V. Egorov, V. S. Borovkov, P. D. Lukovtsev, Elektrokhimia 1 no. 5 517-523 My '65.
- POLARIZATION (LIGHT)**  
Rotation of the plane of polarization of light in a field of forces of inertia and gravitation, L. I. A. Aflov, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 2 60-66 '65  
Thermographic and polarizing microscope study of L-ascorbic acid V. A. Ugol'tseva, I. G. Chistilakov, M. D. Nasyrova Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 3 65-66 '65.  
Use of phase techniques in studying polarization effects apparent in the reflection of radio waves from meteor trails V. V. Sidorov, A. F. Pavlov, R. IU Pakhaidinov Izv. vys. ucheb. zav., radiofiz. 8 no. 2 234-243 '65
- POLARIZATION (NUCLEAR PHYSICS)**  
Polarization effects in neutrino-electron scattering with allowance for radiation corrections, A. M. Perelomov, Izd. fiz. 1 no. 6 1045-1049 Je '65.
- POLAROGRAPHY**  
Determination of the adsorption characteristics of organic compounds on a mercury electrode from polarographic charging currents, S. G. Mairanovskii Elektrokhimia 1 no. 2 164-169 F '65.  
Mechanism of the polarographic kinetic currents of glycolic acid, IA. I. Turlian, Elektrokhimia 1 no. 4 401-404 Ap '65  
Oscillographic polarographic determination of thianthum IU. M. Gavrilko, P. N. Kovalenko, K. N. Bagdasaryan, Zhur. VKHO 10 no. 2 238-239 '65.  
Polarographic behavior of 5-substituted furfuryl thioyanates, IA. Stradyn', A. Iurashok, G. Roikhanidis, Zhur. ob. khim. 35 no. 5 768-773 My '65.  
Polarographic determination of manganese in plant ash, V. P. Solov'ev, N. I. Zakharova, Fiziol. rast. 12 no. 2 357-360 Mr-Ap '65.  
Polarographic method for studying the kinetics and action spectra of photosynthesis, F. F. Litvin, Khe I-Tan' [Ho I-Tan], E. I. Elmitsev, Fiziol. rast. 12 no. 2 364-370 Mr-Ap '65.  
Polarographic study of alizarin S, G. E. Komarova, V. N. Lenskaja, Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1 69-74 '65.  
Polarographic study of cyclohexanone peroxides, V. L. Antonovskii, Z. S. Frolova, Zhur. ob. khim. 35 no. 8 954-957 Je '65.  
Polarographic study of the effect of ethanol concentration on the rate of pyridine and 2,6-lutidine protonization by water, S. G. Mairanovskii, V. P. Gul'tial, Elektrokhimia 1 no. 4 460-466 Ap '65.  
Polarographic study with a molten mixture of LiNO<sub>3</sub>-NaNO<sub>2</sub> - KNO<sub>3</sub> as a support under conditions of convective diffusion, IU. K. Dolmat'skii, G. V. Shilina, Elektrokhimia 1 no. 5 532-537 Fy '65.  
Polarography of solutions containing elementary sulfur and bivalent iron present together, B. A. Kiselev, S. I. Zhdanov, Izv. AN SSSR, Ser. khim. no. 8 886-889 '65.  
Reaction of ketene with nitrogen-containing bombs, Part 20: Polarography of chloroacetamides, IU. V. Svetkin, L. N. Andreeva Zhur. ob. khim. 35 no. 5 839-842 My '65.  
Reduction of rare-earth metals, N. M. Dlatova, O. IU. Lavrova, Trudy IREA no. 25 289-302 '63.
- POLAROGRAPHY—CONGRESSES**  
Conference on the use of polarography in the chemistry and technology of polymers and monomers held from October 29 to October 31, 1964, Elektrokhimia 1 no. 5 522 My '65.
- POLESY—CORN (MAIZE)—FERTILIZERS AND MANURES**  
Effect of trace elements on the yield of corn in loamy turf-Podzolic soils of Polesye, A. I. Lapo, Z. M. Hlyshyna, Vestn. AN BSSR, Ser. sel'skosp. nav. no. 4 29-33 '64.
- POLESY—METALS**  
Heavy metals in the surface waters of the Pripyet Polesye in the White Russian S. S. R. K. I. Lukashch, A. L. Zhukhovitskaja, A. A. Zamiatkina, Dokl. AN BSSR 9 no. 3 183-186 Mr '65.
- POLESY—WATER—COMPOSITION**  
Heavy metals in the surface waters of the Pripyet Polesye in the White Russian S. S. R. K. I. Lukashch, A. L. Zhukhovitskaja, A. A. Zamiatkina, Dokl. AN BSSR 9 no. 3 183-186 Mr '65.
- POLICE** see subdivision under United States
- POLIOMYELITIS VACCINE**  
Behavior of an attenuated I SC 2 ab. strain of polio virus type 1 following purification on a cation exchange resin, I. S. Zakharenko, Izv. Vsesoyuzn. nauch. tsentra, 0 no. 5 558-564 5-6 '61.
- POLIOMYELITIS VIRUS**  
Behavior of an attenuated I SC 2 ab. strain of polio virus type 1 following purification on a cation exchange resin, I. S. Zakharenko, Izv. Vsesoyuzn. nauch. tsentra, 0 no. 5 558-564 5-6 '61.
- POLISH STATESMEN** see Statesmen, Polish
- POLISHING, ELECTROLYTIC** see Electrolytic polishing
- POL'KIN, STEPAN IVANOVICH, 1904-**  
Stepan Ivanovich Pol'kin on his 60th birthday, Izv. vuzov. zav., inzh. met. 0 no. 1 173 '65.
- POLLINATION** see Fertilization of plants
- POLONIUM**  
Behavior of polonium in ketone and nitrobenzene solutions, I. I. Gontik, H. S. Kuznetsov, I. I. Logova, Radiokhimia 7 no. 3 110-110 '65.  
Effect of ketones on the behavior of polonium in chloroacetic acid solutions, I. I. Gontik, H. S. Kuznetsov, Radiokhimia 7 no. 2 14-15 '65.
- POLONIUM COMPOUNDS**  
p-Anilyl derivatives of polonium, V. D. Nekrasov and others, Radiokhimia 7 no. 3 110-110 '65.  
Synthesis of some o-naphthyl derivatives of polonium, V. D. Nekrasov and others, Radiokhimia 7 no. 2 14-15 '65.
- POLTAVA PROVINCE—SPRAYING AND DUSTING EQUIPMENT**  
Let's make winter use of aerosol sprayers, V. I. Zashch. i ant. ot vredit. bol. 10 no. 1 11-12 '65.
- POLYAMIDES**  
Using bearing bushings with a thin layer of polyamide coatings in rolling mill mechanisms, I. A. G. and others, Plast. massy no. 3 64-65 '65.
- POLYEMBRYONY**  
Polyembryony in animals, O. M. Krasova, Izv. Arkh. anat. giat. i embriol. 10 no. 3 37-40 Fy '65.
- POLYETHYLENE**  
Effect of aging and surface treatment on the wetting of polyethylene films, N. A. Melnikova and others, Plast. massy no. 4 38-38 '65.  
Effect of the degree of branching of high density polyethylene on the mechanical properties of films produced by extrusion, V. V. Lapidus and others, Plast. massy no. 5 22-26 '65.  
Polydispersion and structure of medium pressure polyethylene, L. F. Shalueva and others, Plast. massy no. 4 5-10 '65.  
Properties of polyethylene films used for packaging, G. Kullavin, I. Shala, Sov. nauka, 28 no. 3 1-5 '65.  
Some electrophysical characteristics and a method of preparation of organic film membranes from polyethylene, A. V. Vannikov, N. A. Babik, Radiokhimia 1 no. 5 517-519 My '65.  
Some properties of the surface of polyethylene films produced in an electric field, A. M. Zinovyev, V. S. Sinagub-Lavrenko, V. G. Pavlov, Plast. massy no. 7 75-78 '65.  
Using the method of photochemical cross-linking in the presence of sulfur monochloride to increase the resistance to heat of polyethylene, H. K. and others, Khim. prom. [Ukr.] no. 2 8-9 Ap '65.
- POLYLOT PICTURE DICTIONARIES** see Picture dictionaries, Polylot
- POLYGONS**  
The problem of colored polygons, A. N. Kopylov, Vestn. Mosk. un. Ser. I: Mat., mekh. 20 no. 2 135-136 Mr-Ap '65.
- POLYGONUM**  
(see also subdivision under Soviet Central Asia; White Russia)  
Polygonum coriaryum as a tanning material and its most important problems of its study and breeding, P. D. Sokolov, Rast. res. 1 no. 1 65-65 '65.
- POLYGONUM—FERTILIZERS AND MANURES** see subdivision under Uzbekistan
- POLYMERIZATION**  
Acetylene polymerization process with a soluble catalyst system based on AlEt<sub>3</sub> and VO (acetyl acetate), F. M. Naizov, B. A. Krontselli, B. G. Davydov, Izv. AN SSSR, Ser. khim. no. 8 1000-1016 '65.

## POLYMERIZATION (Continued)

- Basic principles in carrying out emulsion polycondensation L. B. Sokolov. *Vysokom. soed.* 7 no. 4 601-605 Ap '65
- Catalytic polymerization of unsaturated polyesters. Carbonium polymerization of polyester malate. T. E. Lipatova. *Plast. massy* no. 3-6-8 '65.
- Composition of triolymers and the copolymerization constants of butyl methacrylate, glycidyl methacrylate, and methacrylic acid M. F. Sokolov, M. M. Babkina. *Vysokom. soed.* 7 no. 4 737-740 Ap '65.
- Cyclic polymerization and copolymerization Part 31: Radical polymerization of  $\beta$ -alkyl-substituted divinyl ketones. S. G. Matsolan, M. G. Avetian, E. G. Darbinian. *Izv. AN Arm. SSR. Khim. nauki* 17 no. 4 412-419 '64.
- Cyclic polymerization and copolymerization Part 32: Cyclic copolymerization of divinyl acetals with some vinyl monomers S. G. Matsolan and others. *Izv. AN Arm. SSR. Khim. nauki* 17 no. 1 420-427 '64.
- Cyclic polymerization and copolymerization Part 34: Polymerization of aromatic vinyl ethynyl carbonols. S. G. Matsolan, A. B. Saakian. *Izv. AN Arm. SSR. Khim. nauki* 17 no. 6 676-681 '64.
- Dependence of the block polymerization rate of certain polyester acrylates on the concentration of the initiating agent and temperature. G. V. Korolev, I. M. Altier, L. A. Zhil'tsova. *Plast. massy* no. 3-9-11 '65.
- Dependence of  $\eta$ ,  $T_g$ , and  $T_d$  in polymerized vegetable oils on the molecular weight of their samples. S. N. Kolesov. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 8 no. 1 69-75 '65.
- Effect and role of HCL acceptors in emulsion polymerization in the presence of aromatic reagents L. B. Sokolov, T. V. Kudim. *Vysokom. soed.* 7 no. 4 634-637 Ap '65.
- Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and a cation-active emulsifier S. D. Stavrova, M. F. Margaritova, S. S. Medvedev. *Vysokom. soed.* 7 no. 4 717-724 Ap '65.
- Emulsion polymerization kinetics of methyl methacrylate in the presence of organic acids and amines and an anion-active emulsifier S. D. Stavrova, M. F. Margaritova, S. S. Medvedev. *Vysokom. soed.* 7 no. 4 725-728 Ap '65.
- Nature of the active centers in the processes of polymerization in the presence of composite catalysts based on  $TiCl_3$ . L. M. Lanovskaya and others. *Vysokom. soed.* 7 no. 4 747-750 Ap '65.
- Optimum temperature conditions for oxygen-induced polymerization of ethylene. F. A. Shatkhani. *Plast. massy* no. 4 10-13 '65.
- Polymerization of ethylene in the presence of various composite catalysts based on  $TiCl_3$ . L. M. Lanovskaya and others. *Vysokom. soed.* 7 no. 4 741-746 Ap '65.
- Polymerization of 4-vinylbenzoic acid esters. G. M. Pogossian, G. A. Zhamkochian, S. G. Matsolan. *Vysokom. soed.* 7 no. 4 707-709 Ap '65.
- Quantitative determination of small concentrations of water by means of ethyllithium. D. K. Pollakov. *Vysokom. soed.* 7 no. 1 600-608 Ap '65.
- Radical polymerization of polar monomers under the effect of the triethylaluminum-dicyclohexyl peroxycarbonate system. E. B. Mikhovskaya, L. V. Zamolskaya. *Vysokom. soed.* 7 no. 4 670-673 Ap '65.
- Reactivity of unsaturated oligo-esters in carbonium polymerization. T. E. Lipatova, V. M. Siderko, V. A. Bulnikova. *Vysokom. soed.* 7 no. 4 580-585 Ap '65.
- Simplified method for determining the degree of polymerization of alkali cellulose. A. G. Ishanovskaya, E. M. Kononova, T. P. Belasheva. *Khim. volok.* no. 2 31-33 '65.
- Unit for radiation gas-phase graft polymerization. A. I. Bessonov and others. *Plast. massy* no. 5-3-4 '65.
- Use of the method of electroconductivity measurement for studying the kinetics of the block polymerization of styrene. S. V. Kuz'mina and others. *Plast. massy* no. 4 67-70 '65.

## POLYMERS

- [The chemistry and technology of polymers; translations and surveys from foreign periodical literature] *Khim. i tekhn. polim., sbor. perev. i obz. iz inostr. period. lit.* 9 nos. 5-6 '65.
- Copolymers of acetaldehyde. G. A. Chukhadzian and others. *Izv. AN Arm. SSR. Khim. nauki* 17 no. 4 406 '64.
- Dependence of some mechanical characteristics of polyformaldehyde on the temperature and deformation rate. F. A. Akhmedov, M. A. Koltunov, P. V. Kozlov. *Vysokom. soed.* 7 no. 4 650-654 Ap '65.
- Determination of furfural in the production of PA polymer. A. S. Maslennikov, G. N. Poryvaeva. *Plast. massy* no. 3 56-57 '65.
- Donor-acceptor interaction of halogens with polystyrene, polyvinyltoluene, and copolymers of styrene with  $\alpha$ -methylstyrene and  $\beta$ -vinylanthracene. I. I. Vasilenok and others. *Vysokom. soed.* 7 no. 4 620-633 Ap '65.
- Election microscope study of mutual diffusion in polymer systems A. N. Kamenskii, N. M. Podman, S. S. Volitskii. *Vysokom. soed.* 7 no. 4 696-700 Ap '65.

- Interchangeability of some polymeric materials. I. U. T. Livshits. *Plast. massy* no. 5-1-2 '65.
- Interference micromethod for the study of diffusion in the system polymer-solvent. A. E. Chalykh, R. M. Vasenin. *Nauch. trudy MTILP* no. 30-200-206 '64.
- Investigating the properties of solutions of water-soluble polymer mixtures. N. K. Baranov, M. M. Kukharchik. *Nauch. trudy MTILP* no. 30-108-116 '64.
- Machine construction elements made of polymeric materials. V. A. Belyi. *Zhur. VKHO* 10 no. 2 169-178 '65.
- Mechanism of thermal carbonization of chlorine-containing carboxylic polymers. V. I. Kasatchkin and others. *Izv. AN SSSR. Ser. khim.* no. 6 1003-1008 '65.
- Microscopic and X-ray diffraction study of the structure of polycarbonates in a block. A. V. Ermolina and others. *Plast. massy* no. 3-43-49 '65.
- Moving boundary problem in diffusion in the polymer-solvent systems R. M. Vasenin, A. E. Chalykh, V. I. Korobko. *Vysokom. soed.* 7 no. 4 593-600 Ap '65.
- New polymeric materials; 15th conference on macromolecular compounds. B. A. Krentsel'. *Vest. AN SSSR* 35 no. 5 103-106 My '65.
- Optical methods for the study of diffusion. A. E. Chalykh, R. M. Vasenin. *Nauch. trudy MTILP* no. 30-192-199 '64.
- Polymer wares. G. Nazarov, E. Korzh. *Siroi. i arkhil.* 12 no. 2-7 F '64.
- Polymers as fillers of joints in reinforced concrete road surfaces. E. Dubrov, M. Spector, I. U. Stasest, Zhil'-kom. khoz. 15 no. 1 31 Ja '65.
- Preparation of polyphenylenes from phenols. I. A. M. Pashkin, O. I. Umarov. *Vysokom. soed.* 7 no. 4 710-712 Ap '65.
- Processing of polymers into film materials. L. I. Kozakova and others. *Zhur. VKHO* 10 no. 2 160-164 '65.
- Rheology of polymers. Relaxation properties of polymers in a state of visco-plastic flow. A. A. Malkin, G. V. Vinogradov. *Koll. zhur.* 27 no. 2 234-241 Mr-Ap '65.
- Silyl-ethylene elastomers. N. S. Nameikin, V. M. Vdovin, V. I. Zavit'yalov. *Vysokom. soed.* 7 no. 4 757 Ap '65.
- Structuration of polyarylates containing free hydroxyl groups in the chain. V. V. Korshak, S. V. Vinogradova, S. A. Siling. *Vysokom. soed.* 7 no. 4 701-706 Ap '65.
- Synthesis and study of polyferrocenyl nitrile. T. P. Vishniakova, I. A. Golubova, I. A. M. Pashkin. *Vysokom. soed.* 7 no. 4 713-716 Ap '65.
- Synthesis and study of the products of furfural condensation with higher aliphatic ketones and polymers based on them. Z. Usmanov, I. V. Kamenkii, I. P. Losev. *Uzb. khim. zhur.* 9 no. 1 47-51 '65.
- Synthesis of glycerol derivatives of oligomers with functional groups at the ends of molecules. K. A. Andrianov, N. I. Somala, L. M. Khananashvili. *Izv. AN SSSR. Ser. khim.* no. 6 1022-1026 '65.
- Theoretical principles of the methods of processing of polymers. R. V. Terner, L. F. Gudkova. *Zhur. VKHO* 10 no. 2 122-132 '65.
- Twenty-fifth conference on macromolecular compounds. A. B. Volokhina, A. I. Koretskaya. *Khim. volok.* no. 2: 75-70 '65.

## POLYMERS—DRYING

- Latest in the technology of drying of polymeric materials. N. I. Gol'perin, O. I. Podgaetskaya, M. K. Dubinin. *Zhur. VKHO* 10 no. 2 165-202 '65.

## POLYMERS—ELECTRIC PROPERTIES

- Effect of the spatial structure of electroconducting polymers on their electroconductivity. V. E. Gul', N. S. Matzel'. *Plast. massy* no. 5-49-54 '65.
- Formation of conducting structures in polymer material under the action of a magnetic field. V. E. Gul', L. Z. Shenfil', G. K. Melnikova. *Plast. massy* no. 4-46-48 '65.

## POLYMERS—SPECTRA

- Use of infrared spectroscopy in the study of polymeric materials. Report No. 2. S. S. Slavnova, S. A. Pavlov, I. I. Suslov. *Nauch. trudy MTILP* no. 30-102-107 '64.

## POLYMERS—TESTING

- Determining the heat resistance of polymers and hydrocarbon formations by means of the differential-thermal analysis method. D. M. Kolotylo, V. I. Mischeiko. *Khim. prom. [Ukr.]* no. 2 73-74 Ap-Je '65.
- Effect of the adsorption modification of fillers on the strength properties of polymeric compositions. A. B. Sholokhova, S. N. Tolstaya, A. S. Freidin. *Plast. massy* no. 5-72-74 '65.
- Evaluation of the resistance to frost of polymer materials. I. P. Kanavets, B. M. Idrisev. *Plast. massy* no. 5-61-64 '65.
- Study of the thermal stability of polymer films. G. I. Kulandin, R. S. Urudzhev. *Plast. massy* no. 5-44-45 '65.

## POLYMERS, HIGH SEE Macromolecular compounds

## POLYMORPHISM

- Polymorphism in the system m-dinitrobenzene - trinitrobenzene. G. B. Ravich, O. P. Bogush. *Izv. AN SSSR. Ser. khim.* no. 6 1077-1079 '65.

## POLYNOMIALS

- Mean weighted and uniform approximations of functions on rectifiable curves I. A. L. Gerasimov. *Ukr. mat. zhur.* 17 no. 3 316-31 '65.
- One class of extremum problems for trigonometric polynomials L. V. Tal'kov. *Usp. mat. nauk* 20 no. 3: 205-231 My-Je '65.

## POLYPLOIDY

- Fertility of allotetraploid male silkworms during the first four generations of the tetraploid line. V. N. Vereiskaya, B. L. Astaurov. *Biul. MOIP. Otd. biol.* 70 no. 1 140-152 Ja-F '65.
- Soveshchanie po poliploidii, 1963. [Polyploidy and breeding, transactions] Poliploidia i selektsia; trudy, Moskva, Nauka, 1965. 322 p.

## POLYPROPYLENE

- Conditions of the formation of the shape of polypropylene granules. B. A. Olencov, G. V. Sagalov. *Plast. massy* no. 5 34-37 '65.
- Deformation of polypropylene fibers. I. U. M. Malinskii, V. V. Gusev, V. A. Kargin. *Vysokom. soed.* 7 no. 4 538-641 Ap '65.
- Diffusion of solvents in polyisobutylene. A. E. Chalykh, R. M. Vasenin. *Vysokom. soed.* 7 no. 4 586-592 Ap '65.
- Effect of the chemical nature of the sorbate on the sorption capacity of crystalline polymers. G. M. Pavlichenko, T. V. Gatovskaya, V. A. Kargin. *Vysokom. soed.* 7 no. 4 647-649 Ap '65.
- Effectiveness of some stabilizers in the extrusion of polypropylene films and their aging. G. A. Ermilova and others. *Plast. massy* no. 5-15-49 '65.
- Rheological properties of polypropylene. G. V. Vinogradov and others. *Khim. volok.* no. 2-7-11 '65.

## POLYPROPYLENE—THERMAL PROPERTIES

- Temperature dependence of the heat capacity of isotactic polypropylene G. L. Slonimskii, I. U. K. Godovskii. *Vysokom. soed.* 7 no. 4 621-625 Ap '65.

## POLYSACCHARIDES

- Cytochemical study of the testes in fishes. Report No. 1. Nucleic acids, proteins and polysaccharides. N. A. Butskaya. *Arkh. anat., gist. i embr.* 46 no. 4 17-23 Ap '65.
- Effect of a mucopolysaccharide preparation derived from the spleen of cattle on the hemopoiesis in rabbits. A. S. Shitikova. *Probl. gemat. i perel. krov.* 10 no. 4 42-46 Ap '65.
- Glutathione and sulfomucopolysaccharide metabolism in sarcoma-45 and in the organs of rats. A. I. Gaziev. *Vop. onk.* 11 no. 3 68-73 '65.
- Histochemistry of mucopolysaccharides and proteins of the periplacental trophoblast in rabbits. T. N. Tsi-tso-lina. *Arkh. anat., gist. i embr.* 46 no. 4 64-67 Ap '65.
- Study of the composition of polysaccharide haptens from yeast fungi I. P. Eit'nov, G. A. Vitovskaya, I. V. Tomilina. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 43-47 Mr '65.

## POLYSACCHARIDES—PHYSIOLOGICAL EFFECT

- Changes in the protein level in the blood of normal and irradiated animals under the effect of a mucopolysaccharide preparation made from cattle spleen. N. M. Ivanova, A. S. Shitikova. *Biul. eksp. biol. i med.* 59 no. 6 42-46 Je '65.

## POLYZOA, FOSSIL see subdivision under Russian Platform

## POPLAR see subdivision under Soviet Central Asia; Ussury Valley

## POPLAR—DISEASES AND PESTS see subdivision under Chernigov Province

## POPOV, ALEKSANDR STEPANOVICH, 1895-1897

- Bronev, I. V. [Invention of the radio by A. S. Popov] Zoborsteno radio A. S. Popova. Moskva, Sovetskoe radio, 1965. 111 p.

## POPOV, PETR PETROVICH, 1886-1864

- In memory of the honorable scientist, Professor Petr Petrovich Popov. Med. paraz. i paraz. bol. 33 no. 6 757-758 N-D '64.

## POPOV, VLADIMIR ALEKSANDROVICH, 1889-Jubilarian V. A. Popov, G. Khizhniakova. *Teatr* 26 no. 1 50-56 Ja '65.

## POPULISM (NARODNICHESTVO)

- Mrachkovskaya, I. M. [Contents of the second volume of V. I. Lenin's work "What are the 'Friends of the people' and how do they fight against the Social Democrats?"] Osoberzhanii viorogovypuska raboty V. I. Lenina "Chto takoe "druz'ia naroda" i kak oni voluit protiv sotsial-demokratov?" Moskva, Mysl', 1965. 63 p.

## POROSITY

- Genesis and the porous structure of beryllium oxide. I. B. Shinkovskaya. *Kin. i kat.* 6 no. 1 155-158 Ja-F '65.
- Theory of the coalescence of pores with gas. Z. K. Saralidze, V. V. Slezov. *Fiz. tver. tela* 7 no. 6: 1005-1011 Je '65.

## POROUS MATERIALS—THERMAL PROPERTIES

Theoretical way of evaluating the heat conductivity of porous alloys at high temperatures. V. S. Smirnov, A. F. Cradno skii, N. A. Karginov. Trudy LPI no. 243, 12-15 '65.

## PORPHYRIA

The effect of a metabolic mineral preparation in patients with chronic porphyria. B. N. Krivonozhko. Vestn. dermat. 33 no. 6 60-65 Je '64.

## PORPHYRINEMIA see Porphyria

## PORPHYRIC-URIA see Porphyria

## PORTAL VEIN

Venous potential difference as an indicator of the state of the portal blood flow in the liver during shock. S. A. Goleznev. Pat. fiziol. i eksp. ter. 8 no. 6 25-27 '64.

## PORTAL VEIN—DISEASES

Cavernous transformation of the portal vein. V. A. Zhuravlev. Sov. med. 13 no. 4 79-82 Ap '65.  
Characteristics of the clinical course and therapy of postoperative thrombosis in the system of the portal vein. A. I. Lipshin, R. G. Sprintson. Vestn. khim. 93 no. 11 44-55 '64.

## PORTAL VEIN—RADIOGRAPHY see Splenoportography

## PORTLAND CEMENT

Dichromate sludge as a raw material for the production of cements. V. A. Pliachev, M. F. Chebukov. Izv. vys. shk. 24 '64.

## POSITRONS

Generation of accelerated positron beams in a linear electron accelerator. I. O. Bryshalev and others. Ukr. fiz. zhur. 10 no. 3 260-262 Mr '65.

## POSTAL SERVICE

Results of a competition on the best suggestions on the mechanization of postal service operations. Vestn. svyazi 15 no. 2 28-29 F '65.  
There should be no compromise with shortcomings in postal service. Vestn. svyazi 15 no. 2 20-21 F '65.  
Timely delivery of mail is of the utmost importance. I. A. Puspoltak. Vestn. svyazi 25 no. 4 14-15 Ap '65.

## POSTAL SERVICE—EMPLOYEES see Subdivision under Riga

## POSTAL SERVICE—SECOND-CLASS MATTER

Use of punched cards in the distribution of magazines. P. D. Buraga. Vestn. svyazi 25 no. 2 22-24 F '65.

## POSTERS

[Visual propaganda] Vaidzine agitacija, Naghadnala agitacija, Vilnius, Leidykla "Mintis," 1965. 14 p. (chiefly illus.) [In Lithuanian and Russian]

## POSTERS, CZECH—EXHIBITIONS

Exhibition of Czechoslovak posters. Tekh. est. no. 4 30-31 Ap '65.

## POSTURE

Gurfinkel, V. S., I. A. M. Kots, and M. L. Shik. [Regulation of human posture] Regulatsiya pozitsii cheloveka. Moskva, Nauka, 1965. 255 p.

## POTASH MINES AND MINING

For "Big Chemistry". R. Blumkin. Sov. shkol. 14 no. 5 40 My '65.

## POTASSIUM

(see also subdivision under Siberian Platform)  
Determination of potassium in the soil with the aid of sodium tetraphenyl borate by a gravimetric method. A. I. Berdnikov. Izv. vys. shk. 24 '64.

Positive surface ionization of potassium on textured platinum bands. E. F. Chalkovskii, G. V. Putayn. Zhur. tekhn. fiz. 35 no. 3 528-534 Mr '65.

Removal of carbon dioxide from gases by means of a "hot" potash solution. M. A. Lyudkovskaya, S. D. Fridman, V. A. Klevchev. Khim. prom. 41 no. 5 339-343 My '65.

## POTASSIUM—EFFECT ON PLANTS see Plants, Effect of potassium on

## POTASSIUM-ARGON DATING

Study of the suitability of amphiboles for the determination of the absolute age of rocks by the potassium-argon method. E. K. Gerling and others. Geokhimiya no. 2 219-226 F '65.

## POTASSIUM CHLORATE

Kinetics of the reaction of iodide oxidation by potassium chlorate in the presence of rhodium. V. K. Pavlova, K. B. Laziminski, Zhur. neorg. khim. 10 no. 5 1027-1032 My '65.

## POTASSIUM CHLORIDE CRYSTALS

Conditions of the recovery of radiophosphorus from mixed KCl, CaCl<sub>2</sub> crystals irradiated by high energy protons. R. V. Bogdanov, A. N. Murin. Zhur. ob. khim. 38 no. 5 918-923 My '65.

## POTASSIUM CHLOROPLATINATE

Hydrolysis of potassium chloroplatinate. N. H. Nikolaeva, B. V. Putayn, I. I. Gorbacheva. Zhur. neorg. khim. 10 no. 5 1031-1037 My '65.

Hydrolysis of potassium chloroplatinate. V. M. Nikolaeva, B. V. Putayn, E. D. Pastukhova. Zhur. neorg. khim. 10 no. 5 1058-1061 My '65.

Nitrite ion exchange in potassium tetrachloroplatinate. I. V. Maslova, G. A. Shagaitanova, I. U. F. Seifaninov. Zhur. neorg. khim. 10 no. 5 1279-1284 My '65.

## POTASSIUM DICHROMATE—TOXICOLOGY

Acute poisoning by potassium dichromate. M. P. Tarasova. Trudy Inst. im. N. V. Sklif. 6 no. 2 201-205 '62.

## POTASSIUM FERROCYANIDE

Phase transitions in potassium ferrocyanide and its analogs. A. G. Lundin, E. P. Zaer. Izv. AN SSSR, Ser. fiz. 29 no. 6 910-913 Je '65.

## POTASSIUM IN THE BODY

Transport of sodium and potassium in the secretion of milk. M. G. Zaks and others. Fiziol. zhur. 51 no. 4 513-519 Ap '65.

## POTASSIUM ISOTOPES

(see also subdivision under Barents Sea)

Permeability of the hematoendothelial barrier and the distribution of K<sup>42</sup> in the organs of rats in hypovitaminosis. A. N. I. Mitashova, A. B. Sokolov. Trudy TSU 71 242-250 '64.

Study of the permeability of the histohematic barrier in the progeny of animals which have recovered from acute radiation disease. V. A. Tatisevskii. Trudy TSU 71 226-233 '64.

## POTASSIUM NITRIDE

Rate of the reaction of Pt (III) trans-diammine nitro-bromide with potassium nitride. A. V. Babayeva, R. I. Rudyi. Zhur. neorg. khim. 10 no. 5 1260-1267 My '65.

## POTASSIUM PHOSPHATE CRYSTALS

Use of the polarization-optical method in observing the domain structure in potassium dihydrophosphate crystals. N. N. Fomichev. Izv. AN SSSR, Ser. fiz. 29 no. 6 962-964 Je '65.

## POTASSIUM SALTS see Subdivision under Carpathian Mountain region

## POTASSIUM SILICATES

Electric conductance of glasses in the system K<sub>2</sub>O - SiO<sub>2</sub> over a wide range of temperatures. K. A. Kostanlan, E. A. Erankian. Izv. AN Arm. SSR, Khim. nauki 17 no. 6 613-622 '64.

## POTATO BEETLE—EXTERMINATION see Subdivision under Volyn Province

## POTATO PLANTERS (MACHINES)

Potato planting with the SN-4, SN-4A, and SN-4B planters. I. Gudzenko. Tekh. v. sel'khoz. 25 no. 5 9-14 My '65.  
The SN-4 potato planter. M. Kam, A. Koshintsev, G. Rogachev. Tekh. v. sel'khoz. 25 no. 5 36-37 My '65.

Studying the automatic device of the SKG-4 potato-planting machine. V. M. Godukhin, V. I. Chovkinov. Trudy GSKH 9 284-295 '68.

Use of bins in potato planting. A. Genson, M. Kulagin, S. Shavrin. Tekh. v. sel'khoz. 25 no. 5 14-17 My '65.

## POTATO PLANTERS (MACHINES)—HYDRAULIC EQUIPMENT

Hydraulic markers for potato planters. T. Valueva, V. Valuev, K. Titovets. Tekh. v. sel'khoz. 25 no. 5 37-39 My '65.

## POTATO PLANTERS (MACHINES)—MAINTENANCE AND REPAIR

Improving the work of potato planters. N. Men'shikov. Tekh. v. sel'khoz. 25 no. 5 82 My '65.

## POTATO PRODUCTS

Seminar on the improvement of the quality of potato crackers. A. N. Danilov. Kons. i ov. prom. 20 no. 3 43-45 Mr '65.

## POTATOES

(see also subdivision under Orel Province)

Derivatives of triazine and urea in potato plantings. Kh. Pekenko, A. Bogdanovskii, S. Trishkin. Zashch. rast. ot vred. i bol. 10 no. 4 27-28 '65.

Effect of cobalt on the rate of photosynthesis in potato leaves. I. V. Gorid'ko. Fiziol. rast. 12 no. 2 346-348 Mr-Apr '65.

Tillage in wide row plantations of potatoes. M. A. Mosin. Vestn. sel'khoz. nauki 8 no. 8 108-110 Ag '63.  
Valuable food item. B. Bykov. Dozhk. vosp. 38 no. 3 69-71 Mr '65.

## POTATOES—ANALYSIS

Effect of nitrogen fertilizers on the content of protein and crude protein in potato tubers. M. S. Nikitina. Vestn. AN BSSR, Ser. sel'khoz. nav. no. 4 40-44 '64.

## POTATOES—DISEASES AND PESTS

(see also subdivision under Germany, West)

Kazakhstan).  
Ambroose, A. L. [Virus diseases of potatoes and their control for growing healthy tubers] Virusnye bolezni kartofelya i metody vyashechivaniya zdorovykh klubney. Publ. N. A. Dotschikina, Minsk, Urozhai, 1961. 143 p. (DNAL)

Use of herbicide in weed control of potato fields. I. I. Ipatov. Ser. sel'khoz. nav. no. 4 97-100 no. 1 61-62 '64.

## POTATOES—FERTILIZERS AND MANURE

(see also subdivision under White Russia)

Placement of manure and compost for potato. Kuznetsova, Vestn. sel'khoz. nauki 8 no. 3 10-11 '64.

## POTATOES—FROST RESISTANCE

Dependence of the frost resistance of potatoes on the rate of nitrogen metabolism. B. N. Gorbachev, E. B. Sycheva. Fiziol. rast. 12 no. 3 329-331 Mr '65.

## POTATOES—STORAGE

Potato storage in thick layers under conditions of ventilation. G. S. Matveenko, N. G. Litvinskii. Trudy TSU 71 232-241 Mr '65.

## POTATOES AS FUEL

Determining when steamed potatoes are ready. A. A. Puchkov. Zap. Lening. obshch. bent. 85 363-372 '64.

## POTENTIAL, THEORY OF

Distribution of potential in sodium titanate in a wide temperature range. O. I. Prokopenko. Izv. AN SSSR, Ser. fiz. 29 no. 6 1000-1012 Je '65.

Formulation of problems on the search of stress functions by means of bilinear potentials. I. I. Kopelkin. Prikl. mekh. 1 no. 2 301-308 '65.

Uniqueness of one problem in the theory of piezoelectricity. M. Atukhodzhev. Izv. AN Uz. SSR, Ser. fiz. i mat. 9 no. 1 5-8 '65.

## POTENTIOMETER

Electrode potentiometer with a low interference sensitivity. I. I. Rukhtskii. Prikladnaya fizika 11-13 My '65.

Thermographic unit with simultaneous recording of the pressure of the system. R. A. Naykhov. Trudy [Ukr.] no. 2 78-79 Apr-Je '65.

## POTENTIOMETRIC ANALYSIS

Electric method of uncovering "thin" damage in insulation coatings of operational pipelines. V. P. Zashch. 1 no. 2 214-223 Mr-Apr '65.

## POTTERY, SLAVIC

Ornamentation of the Chernyakhov pottery. P. A. Symonovich. Mat. i issled. 1964 10 115-123 '64.

## POULTRY—DISEASES AND PESTS

Comparative evaluation of drugs in coccidiosis of chickens. V. F. Kiylov. Veterinarnia 42 no. 5 53-54 My '65.

Histological diagnosis of Mycoplasma infection in poultry. V. A. Shubin. Veterinarnia 41 no. 5 47-52 '64.

Measures for preventing Histomonas infection in chickens. G. Alergant. Veterinarnia 42 no. 5 60-60 My '65.

Orekhova, M. M. [Poultry diseases (protozoa)] Bolezni domashnikh ptits (protozoyny) Minsk, Urozhai, 1964. 43 p. (DNAL)

Some problems of the clinical aspects and epidemiology of lymphomatosis of chickens. A. A. Pajonov. Vestn. AN BSSR, Ser. sel'khoz. nav. no. 4 123-124 '64.

Veterinary hygienic measures in coccidiosis of poultry. M. S. Bolko. Veterinarnia 42 no. 5 101-102 My '65.

## POULTRY—PARASITES see Parasites—Poultry

## POULTRY—PHYSIOLOGY

Effect of chlorotetracycline on the viability of chicks. M. I. Lotenko. Khim. v. sel'khoz. 3 no. 4 61-62 '65.

Effect of egg carotenoids on the development of chicks. I. P. Okuntyev. Veterinarnia 41 no. 6 64-66 '64.  
Methods of studying the bile secreting function of the liver in chickens. G. F. Lavrenko. Trudy GSKH 9 247-251 '65.

## POULTRY PLANTS

Lower the cost of building poultry plants. V. P. Sel'stol. 10 no. 4 10-11 Ap '65.

## POWDERS—SPECTRA

Applicability of a plasmatron in analyzing organic and inorganic materials. L. V. Drutskaia, Zh. V. Shitipol'skaya. Zhur. prikl. spekt. 2 no. 3 287-290 Mr '65.

## POWER (MECHANICS)

Maximum utilization of secondary and internal power resources is a primary problem of the national economy. P. G. Goncharov. Stal' 28 no. 5 477 My '65.

## POWER ENGINEERING

- (see also subdivision under United States)
- Exchange of experience in the increasing of reliability, durability and economic efficiency of energy-producing equipment. F. I. Sinit'sa, *Blul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 5; 47-48 My '65.
- From the practice of power engineers. G. I. Akovlev, *Okhr. truda i sots. strakh.* 8 no. 5:40-41 My '65.
- In the department of physical and technical problems of power engineering. P. P. Orlov, *Izv. AN SSSR, Energetika*, no. 2:151-157 Mr-Apr '65.
- Optimization in competitive situations in the solution of power engineering problems. V. G. Karpov, *Izv. AN SSSR, Energ.* 1 transp. no. 2:43-50 Mr-Apr '65.
- Through the pages of technical journals. *Energetik* 11 no. 2:29 F '65.
- Through the pages of technical periodicals. *Energetik* 13 no. 4:31-32 Ap '65.
- Through the pages of trade journals. *Pror. energ.* 20 no. 3:48 Mr '65.

## POWER ENGINEERING—CONGRESSES

- International session of power engineers in Lausanne. M. A. Styskovich, *Vest. AN SSSR* 35 no. 4:73-76 Ap '65.

## POWER ENGINEERING—ECONOMIC ASPECTS

- Nekrasov, A. S., and Iu. V. Siniak, [Economic aspects of power engineering for heating processes] *Ekonomika energetiki professorov nauch. Moskva, Energiia*, 1955, 134 p.

## POWER PRESSES

- Design of crank presses. I. V. Klimov, *Vest. mashinost.* 45 no. 5:52-53 My '65.
- Increasing the output of double action crankshaft presses. I. N. Prik, *Kuz.-shtam. proizv.* 7 no. 4:34-38 Ap '65.
- Introducing the K1034 horizontal straightening press. I. P. Frid, *Blul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no. 4:20-21 Ap '65.
- Using universal presses for cold forging. Iu. F. Filimonov, I. A. Remikh, N. I. Chupayev, [Nauch. trudy] *ENIKMASHA* 11:50-52 '65.

## POWER PRESSES—ELECTRIC DRIVING

- Effect of the rigidity of forging crank presses on their power consumption, tendency toward overloading and blocking. V. P. Vintkin, V. F. Oparenko, [Nauch. trudy] *ENIKMASHA* 11:151-177 '65.

## POWER PRESSES—PARTS

- Geometrical parameters of the crank-cam mechanism of a drawing press. O. S. Koshelev, *Vest. mashinost.* 45 no. 5:53-55 My '65.
- Modernization of the fastening unit for the connecting rod head of a crank-pipe press. A. S. Malkin, *Mashino-stroenie* 20:229-30 Mr-Apr '65.

## POWER TOOLS

- Nut runners. A. Kovyl'n, *Avt. transp.* 43 no. 6:23-25 Je '65.
- Presses for mounting and removing semiaxle cases. O. Guliayev, *Avt. transp.* 43 no. 6:43 Je '65.

## PRAGUE—MUSIC

- Everyday musical life of Prague. I. Nest'ev, *Sov. mur.* 20 no. 5:130-138 My '65.

## PRAGUE—THEATER

- In theaters big and small. I. Bernshein, *Teatr* 26 no. 6:155-168 Je '65.

## PRAGUE, BATTLE OF, 1945

- Tanks hasten to the aid of Prague. D. Lelushenko, *Voen.-ist. zhur.* 7 no. 5:92-98 My '65.

## PRASEODYMIUM COMPOUNDS—SPECTRA

- Infrared absorption of PrTe<sub>2</sub>. E. L. Zorina, E. I. Iaremshchik, *Izv. AN SSSR, Neorg. mat.* 1 no. 3:446 Mr '65.

## PRECAST CONCRETE

- Planning indices for a shop producing large panels for apartment houses have been exceeded. V. S. Kindera-vich, Iu. I. Pakalnakis, *Stroitel. mat.* 11 no. 1:3-4 Ap '65.
- Possibilities of precast casting in the production of precast reinforced concrete. G. G. Mesinev, *Stroitel. mat.* 11 no. 4:11-13 Ap '65.
- Precast-solid foundations. A. Matskevich, *Nar. khoz. Khozakh.* 23 no. 3:66 Mr '65.

## PRECAST CONCRETE—DEFECTS

- Protracted sagging of precast monolithic elements. V. P. Polishchuk, *Bet i zhel.-bet.* 11 no. 5:40-42 My '65.

## PRECAST CONCRETE—MATHEMATICAL MODELS

- Three-dimensional model for the production and transportation of materials and products. G. Dzikovskii, *Ekos. stroitel.* no. 5:58-61 My '65.

## PRECAST CONCRETE CONSTRUCTION

- (see also subdivision under Kharkov Province; Rovno Province)
- Mallugin, V. I. [Effectiveness of using precast lightweight concrete elements in construction.] *Effektivnost' primeneniya v stroitel'stve sbornyykh konstruktsiy iz legkikh betonov*, Moskva, Stroizdat, 1965, 54 p. (Voprosy ekonomiki stroitel'stva)
- New method for constructing walls and making wall elements of stone and concrete. A. Mamidzhanian and others. *Pror. Arm.* 8 no. 4:54-58 Ap '65.
- Standard supports of precast reinforced concrete and concrete under unitized spans. Iu. K. Krylov, *Bet i zhel.-bet.* 11 no. 6:10-16 Je '65.

## PRECIOUS METALS see subdivision under Moscow

## PRECIOUS METALS—METALLURGY

- Andronov, V. P., and V. A. Golovin, [Production of intermediate products of precious metals and alloys, a handbook] *Proizvodstvo polufabrikatov iz dragotsennykh metallov i splavov; spravochnoe rukovodstvo*, Pod red. E. A. Marekova, [Moskva] Metallurgiya, 1965, 403 p.

## PRECIPITATION (CHEMISTRY)

- Determination of the surface area of tetrathioacyanomercurates by the isotope exchange method. A. V. Nikolaev, V. A. Grigor'ev, *Radiochimia* 7 no. 2:252-253 '65.
- Effect of the conditions of hydrolytic precipitation of zinc from ZnSO<sub>4</sub> solutions on the composition of precipitates. E. V. Margulis, E. D. Maletina, L. I. Bel'skeeva, *Zhur. neorg. khim.* 10 no. 4:995-913 Ap '65.
- Possibility of preventing the coprecipitation of cobalt (II) and iron (III). I. L. Teodorovich and others. *Zhur. VkhO* 10 no. 2:238-239 '65.
- Precipitation of enzymes by organic solvents. M. S. Shul'man, *Koll. zhur.* 27 no. 2:284-286 Mr-Apr '65.
- Precipitation of seed proteins by trichloroacetic acid. Iu. I. A. Gofman, V. V. Solanov, *Radiochimia* 30 no. 1:12-19 Ja-F '65.
- Quantitative evaluation of the effect of the precipitation conditions on the granulometric composition of nickelous hydroxide. L. A. Kuko, N. I. A. Aydeev, F. I. Kukoz, *Koll. zhur.* 27 no. 2:207-210 Mr-Apr '65.
- Special features of the processes of cobalt precipitation by vanthates. A. L. Zagladskii, *Zhur. prikl. khim.* 38 no. 4:842-845 Ap '65.
- Study of zinc hydroxide sulfate precipitates. E. V. Margulis and others. *Zhur. neorg. khim.* 10 no. 5:1241-1249 My '65.

## PRECIPITATION (METEOROLOGY)

- (see also subdivision under Arctic regions)
- Distribution of monthly amounts of precipitation. N. A. Bagrov, *Trudy TSIP* no. 139:3-21 '65.
- Problem of forecasting precipitation for a month. D. A. Ped', *Trudy TSIP* no. 139:88-110 '65.
- Statistical method of forecasting the air temperature and the quantity of precipitation for a month. K. A. Vasil'kov, N. I. Zverev, D. A. Ped', *Trudy TSIP* no. 136:22-28 '65.

## PRECIPITATION (METEOROLOGY)—ANALYSIS

- (see also subdivision under Soviet Central Asia)
- Total isotopic composition of atmospheric precipitation. V. M. Glushchenko, L. P. Krainova, *Zap. Uz. otd. Vses. min. ob-va* no. 16:8-10 '64.

## PRECIPITATION (METEOROLOGY)—MEASUREMENT

- see subdivision under Arctic regions

## PRECISION CASTING

- Assembly of wax patterns to the gating system for precision casting. D. S. Soskin, M. A. Nesterov, *Lit. proizv.* no. 3:47 Mr '65.
- Sand covering of pattern blocks in a pseudo-fluidized bed and the cleaning of precision castings in alkali baths. N. G. Tanklevskii, *Lit. proizv.* no. 2:45-46 F '65.

## PRECISION CASTING—EQUIPMENT AND SUPPLIES

- Standardizing the equipment and tools for precision casting. D. S. Soskin, *Lit. proizv.* no. 3:13-14 Mr '65.

## PREFABRICATED BUILDINGS see Buildings, Prefabricated

## PREGNADIENETRONE

- Testing of hormones (cortisone and prednisone) in pneumonia. R. I. A. Khersonskaya, *Sbor. nauch. trud. Inst. infek. bol.* no. 4:193-198 '64.

## PREGNANCY

- Changes in the cells of the mammary gland in rats during pregnancy, lactation and hormonal stimulation. I. A. Suetina, *Arkh. anat., gist. i embr.* 48 no. 4:74-79 Ap '65.

## PREGNANCY, COMPLICATIONS OF

- Clinical aspects of toxic dystrophy of the liver in Botkin's disease in gravidas; based on materials of the infectious diseases hospital in Ulan-Bator. V. Gamma, *Sov. med.* 28 no. 4:93-95 Ap '65.

- Significance of the control of the rhesus conflict in the antenatal protection of the fetus. I. A. Guseynova, *Azerb. med. zhur.* 42 no. 3:51-54 Mr '65.
- Thyroid gland and pregnancy; a review of literature. N. G. Tsharkova-Kala, *Probl. endok. i gorm.* 10 no. 5:99-107 S-O '64.

## PREGNANEDIOL

- Gonadotropins, estrogens and pregnanediol in the normal menstrual cycle. O. N. Savchenko, G. S. Stepanov, *Probl. endok. i gorm.* 10 no. 4:7-13 Ji-Ag '64.

## PREGNENOLONE

- Biosynthesis of 17-hydroxy- and 17-deoxycorticosteroids by the homogenates of the pig adrenal cortex from 4-C<sup>14</sup>-progesterone, 21-C<sup>14</sup>-pregnenolone and 4-C<sup>14</sup>-pregnenolone. N. A. Tudaev, Iu. A. Pankov, *Biokhimiya* 28 no. 4:707-715 Ji-Ag '64.

## PRENATAL CARE

- Significance of the control of the rhesus conflict in the antenatal protection of the fetus. I. A. Guseynova, *Azerb. med. zhur.* 42 no. 3:51-54 Mr '65.

## PREOPERATIVE CARE

- Comparative evaluation of some methodologies of preoperative X-ray therapy of breast cancer (immediate results). L. D. Lindenbaten, I. G. Prie, *Med. rad.* 10 no. 6:28-33 Je '65.

## PRESCHOOL EDUCATION see Education, Preschool

## PRESS

- (see also subdivision under Vologda Province)

- Seloznev, K. L., [Role of K. Marx and F. Engels in founding the proletarian press] *Ro' K. Marksa i F. Engels'a v sozdani raboch. pechat.*, Moskva, Mysl', 1965, 231 p.

## PRESSING OF GARMENTS—EQUIPMENT AND SUPPLIES

- Investigating the dynamic properties of the pads of ironing presses. A. S. Ruzhentsev, T. I. Tsareva, V. L. Bratt, *Nauch. trudy MTILP* no. 30:269-282 '64.

## PRESSURE

- Approximate value (upper bounds solution) of the amount of pressure in extruding through a conical die. I. P. Ruzne, *Kuz.-shtam. proizv.* 7 no. 4:7-8 Ap '65.
- Determining the pressure of refractory mixtures at feeder pipe outlets. V. E. Vernikovskii, *Ogneupory* 30 no. 4:13-16 '65.
- Effect of pressure on the temperature of metal recrystallization. P. K. Vorobovskii, *Izv. vuz. ucheb. zav. i tsent. met.* 8 no. 1:121-124 '65.

## PRESSURE REGULATORS

- Hydraulic steam pressure governor. D. G. Umrikhin, *Energetik* 13 no. 2:14-16 F '65.

## PRESSURE SUITS

- Pressure suit for air pilots and astronauts. S. Umanakii, *Av. i kosm.* 47 no. 7:54-60 Ji '65.

## PRESSURE VESSELS

- Grigor'ev, L. I., [Ship vessels operating under pressure; determination of stresses and deformations] *Sudovye sosudy, rabotayushchie pod davleniem; opredelenie napriazhenii i deformatsii*, Leningrad, Sudostroenie, 1965, 194 p.

## PRESSURE VESSELS—DESIGN AND CONSTRUCTION

- Fedushin, N. D., [Selecting optimal variants of thick-walled structures; handbook] *Vybor optimal'nykh variantov tolstostennyykh konstruktsiy; spravochnoe posobie*, Moskva, Mashinostroenie, 1965, 81 p.

## PRESTRESSED CONCRETE PRODUCTS

- At packaging stands. A. Semenov, V. Fabryl, *Na stroitel. Ros.* 6 no. 6:15 Je '65.
- Manufacturing large prestressed elements. N. Trishin, *Na stroitel. Ros.* 6 no. 6:25-26 Je '65.

## PRILUKI DISTRICT—SOVIETS

- Improve the work of the administrative committees. G. Bokhomny, *Sots. zakon.* 42 no. 3:70 Mr '65.

## PRIMERS, UKRAINIAN

- Kysilevskyi, Kost', [We are learning the Ukrainian language; orthographical and grammatical exercises for the fourth and fifth years of study of the Ukrainian language] *Vychayno ukrains'ku movu; pravopysni gramatychni vpravy dlia chetvertoho i p'iatoho rokiv navchannya ukrains'koj movy*, New York, Ukrain'skyi Kongressovyi Komitet Ameryky, 1962, 88 p. (CAEDU)

## PRIMITIVE RELIGION see Religion, Primitive

## PRINCIPALS (CRIMINAL LAW)

- Qualification of being a party in crime. A. Kuznetsov, *Sov. iust.* 28 no. 11:6-8 Je '65.

## PRINTERS—EDUCATION AND TRAINING

- Practical training of polygraphers. A. M. Vainbrand, *Sred. spets. obr.* 12 no. 2:40-41 F '65.

## 4402

## PROPANE

Synthesis and study of mixed polycarbonates based on 2,2-di(4-hydroxy-1,3-dichlorophenyl) propane  
El' Said Ali Khasan and others Vysokom soed 7 no. 4 723-733 Ap '65.

## PROPANESULFONIC ACID—THERAPEUTIC USE

Effectiveness of unithiol treatment in acute poisoning by mercury chlorides. V. S. Tindinik, O. G. Strakhova, R. M. Pashchazhenskaya. Trudy Inst. im N. V. Sklif. 5 no. 2:197-200 '62.

## PROPELLERS

Papir, A. N. [Axial-flow pumps for water-jet propellers, principles of their theory and design] Osevye naseoy vodometnykh dvizhiteley, osnovy teorii i rascheta. Leningrad, Sudostroenie, 1965, 250 p.

## PROPENE

Reaction of silane hydrides with allyl chloride. Z. V. Belikova, M. G. Pomurantseva, S. A. Golubtsov. Zhur. ob. khim. 35 no. 6:1040-1052 Je '65.

## PROPERDIN

Changes in the properdin level in the blood of normal and irradiated animals under the effect of a mucopolysaccharide preparation made from cattle spleen. N. M. Ivanova, A. S. Shitikova. Biol. eksp. biol. med. 59 no. 6:42-46 Je '65.

## PROPIONIC ACID

Polarographic behavior of  $\alpha$ -iminopropionic and pyroglutamic acids in the presence of alcohol and sodium sulfite. A. L. Markman, V. M. El'gort. Uzb. khim. zhur. 9 no. 1:8-12 '65.

$\beta$ -Propiolactone. I. L. Kurnians, N. D. Kuleshova, M. G. Lin'kova. Izv. AN SSSR. Ser. khim. no. 6:1081-1082 '65.

## PROPIONIC ACID BACTERIA

Role of propionic acid bacteria in the ensilage of feeds. O. I. Shomis, K. A. Il'ina. Izv. AN Kazakh. SSR. Ser. biol. nauk 3 no. 1:44-51 Ja-I' '65.

## PROPORTIONING EQUIPMENT

Electric mechanical proportionator for solutions. I. L. Oysheyl', G. M. Voronchikhin. Tekhn. kino i telev. 9 no. 4:60-61 Ap '65.

Introducing a valveless proportioning pump. G. F. Panchenko. Blul. tekhn. ekon. inform. Gos. nauch. inst. nauch. i tekhn. inform. 10 no. 5:17-18 My '65.

Measurement of the expenditure of milk of llamas. A. L. Antonovitch, Sakh. prom. 39 no. 4:39-40 Ap '65.

Fluctuation of the moisture in the sintering batch mixture. S. I. Kononov, S. I. Sukli, Metallurg 10 no. 8:11 Je '65.

Standard block system of automatic distribution of molding sand. N. T. Zhurav, M. M. Kuschch. Mashinostroenie no. 2:41-47 Mr-Apr '65.

Weighting equipment for the proportioning of a cupola charge. V. I. Vrublevskii and others. Lit. proizv. no. 3:15 Mr '65.

## PROPYLENE OXIDE

Differential calorimetry method of studying the oxidation of propylene and propylene oxide on a silver catalyst. V. P. Latshev, L. M. Kallburdo, N. I. Popova. Khim. i tekhn. 6 no. 4:167-171 Ja-F '65.

Study of the reaction of hydroxyl-containing oligomers of propylene oxide with phosphorus acid esters. I. M. Kafengauz, P. K. Samigullin, A. P. Kafengauz. Plast. massy no. 4:13-15 '65.

## PROPYNOL

Order of addition of trialkylsilanes to propargyl alcohol. L. L. Shchukovskaya, R. I. Pal'chik. Zhur. ob. khim. 35 no. 6:1112 Je '65.

## PROSPECTING

(see also subdivision under Dnieper-Donets Lowland; Saratov Province; Volgograd Province)

Il'inski, A. V. [Electric motors and starters used in geological prospecting] Elektrodvigateli i puskovaya apparatura, ispol'zuemye na geologorazvedochnykh rabotakh. Moskva, Nedra, 1965, 88 p.

Kashmenskaya, O. V., and Z. M. Khvorostova. [Geomorphological analysis in prospecting for placers (based on a study of the El'ga gold-bearing region in the upper Indigirka Valley)] Geomorfologicheskiy analiz pri poiskakh rاسب (na primere El'ginskogo zolotoznogo rاسبa v volkovskikh rekakh Indigirki. Novosibirsk, Izd. old. Sibirskogo old-nia AN SSSR, 1965, 105 p.

Kuznetsov, V. N. [How to search for natural wall materials] Fak iskral' ostesvennyy stenovyi material. Moskva, Nedra, 1965, 20 p. (Biblioteka iskateley poiznykh iskopaemykh)

Vinnichenko, V. M., and S. V. Nikolaev. [Economics, organization, and planning of geological prospecting; technical economic calculations] Ekonomika, organizatsiya i planirovaniye geologorazvedochnykh rabot; tekhniko-ekonomicheskie raschety. Moskva, Nedra, 1965, 223 p.

## PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Volga Valley)

Effect of the distortion of the length of lines of geophysical maps on the results of geophysical calculations. S. I. Kesel'man. Geol. i geofiz. no. 12:110-112 '64.

Geophysical methods of prospecting for the purpose of erecting structures for water management. L. N. Olofinskiy. Trudy Giprovedkhoza no. 25 3-23 '63.

Geophysical studies in the carrying out of experimental hydrogeological investigations in wells. N. I. Pichugin, A. A. Arifanov. Uzb. geol. zhur. 9 no. 2:18-23 '65.

## PROSTATE GLAND

Kinetics of simultaneous hydrolysis of sodium phenyl phosphate and sodium glycol phosphate under the influence of acid phosphatase of the human prostate gland. I. U. G. Zhukovskii. Biokhimiya 29 no. 4:602-608 Ji-Ig '61.

## PROSTATE GLAND—CANCER

Chemotherapy of tumors of the urogenital organs. Part 2: Cancer of the prostate gland. E. M. Varmel'. Vopr. onk. 11 no. 1:109-119 '65.

## PROSTHODONTICS

Methodology of the production of bridge-like prostheses without the preparation of the supporting teeth. A. G. Gadzhiev. Azerb. med. zhur. 42 no. 3:82-92 Mr '65.

## PROTACTINIUM

Bromination of microquantities of protactinium-233 on carrying agents. A. V. Lapitskii, S. S. Berdonov. Radiokhimiya 7 no. 1:18-19 '65.

Extraction separation of thorium and protactinium. N. P. Rudenko, Abdell' Gavad Saad, A. V. Lapitskii. Radiokhimiya 7 no. 1:32-33 '65.

## PTAMINES

Content of adequate heparin neutralization by ptamine sulfate in artificial blood circulation. M. S. Margulis, U. Burzina. Vest. khir. 93 no. 11:16-22 N '64.

## PROTECTION OF PLANTS see Plants, Protection of

## PROTECTIVE ATMOSPHERES

Automatic welding with a consumable electrode on a vertical plane. A. V. Petrov, G. A. Sinyin, M. M. Shtrikman. Svar. proizv. no. 4:15-18 Ap '65.

Corrosion resistance of Kh18N9T steel joints welded in carbon dioxide. L. S. Livahts, N. V. Sitnova. Svar. proizv. no. 4:28-31 Ap '65.

Reducing the consumption of carbon dioxide in the welding of combine units. A. T. Balkulov. Avtom. svar. 18 no. 4:53 Ap '65.

Soldering fittings to flexible metal hoses in an atmosphere of dissociated ammonia. A. A. Borzenkov. Svar. proizv. no. 4:35 Ap '65.

Using weaving arc hard facing. I. R. Patskevich. Avtom. svar. 18 no. 4:28-33 Ap '65.

## PROTECTIVE CLOTHING see Clothing, Protective

## PROTECTIVE COATINGS

Coating of parts in a fluidized bed with trifluorochloromethylene. A. L. Shterenzon, I. I. Stavitsker. Plast. massy no. 3:53-55 '65.

Design of units for vibro application of plastic coatings. V. V. Zhukov. Vest. mashinost. 15 no. 3:38-41 My '65.

Effect of copper and other coatings on the corrosion resistance of wire. F. M. Ladyzhenskaya, N. V. Eliseeva. Stal' 25 no. 5:474-476 My '65.

Platons for 2D100 diesel engines with ceramic coating. E. V. Koltozov. Vest. TSNIi MFS 24 no. 1:24-25 '65.

Producing pipe with glass enamel coatings. Z. A. Grinberg, N. S. Smirnov. Stal' 25 no. 5:441-445 My '65.

Protective coatings for valve and gate rods. N. A. Nazarova, B. N. Zamanskii, L. D. Tolstova. Mashinostroenie no. 3:15-16 My-Je '65.

Resistance to abrasive wear of ceramic coatings on metals. K. P. Azarov, N. S. Demchenko. Stek. i ker. 22 no. 6:18-18 Je '65.

Using bearing bushings with a thin layer of polyamide coatings in rolling mill mechanisms. I. A. Todor and others. Plast. massy no. 3:64-65 '65.

## PROTECTIVE COATINGS—TESTING

Quantitative evaluation of the protective action of polymers against various aggressive liquids. B. I. Borisov. Plast. massy no. 4:50-52 '65.

Some properties of the surface of polyethylene coatings produced in an electric field. A. M. Zinavich, A. A. Sinegub-Lavrenko, V. G. Pavlova. Plast. massy no. 4:75-76 '65.

## PROTECTIVE COATINGS—THERMAL PROPERTIES

Developing and testing a chemical method of preparing heat resistant inorganic films on magnesium alloys. M. A. Tsinanova, L. N. Stoliarova. Zashch. met. 1 no. 4:207-214 Mr-Apr '65.

## PROTEIN HYDROLYSATES

Improvement of the technology of preparing protein hydrolysates. L. V. Minakova. Probl. gemat. i perekr. 10 no. 4:50-53 Ap '65.

## PROTEIN METABOLISM

Ability of the gallbladder to absorb protein. M. F. Nesterin, R. V. Narodetskaya. Biol. eksp. biol. med. 59 no. 6:33-37 Je '65.

Biosynthesis of proteins. A. S. Spirin. Vest. AN SSSR 35 no. 4:61-64 Ap '65.

C-reactive protein in the cerebrospinal fluid and blood serum in infectious psychoses. S. I. Kogan, A. G. Shvedskaya, Zhur. nevroi. psikh. 65 no. 6:883-887 '65.

Interaction between digestion and the metabolism of endogenous proteins in swine. A. M. Stavitskiy. Vest. sel'khoz. nauk 8 no. 8:86-90 Ag '63.

Konikova, A. S., and M. G. Krutman. [Pathways of protein synthesis] Puti sinteza belka. Moskva, Meditsina, 1965, 357 p.

Use of nitrogen in the synthesis of various proteins in corn kernels studied with the aid of N<sup>15</sup>. A. N. Pavlov, T. I. Kolesnik. Fiziol. rast. 12 no. 2:265-268 Mr-Apr '65.

## PROTEINASES

Isolation of proteinase from brain tissues. K. F. Firsirotu, A. D. Morozkin, V. N. Orlovich. Biokhimiya 29 no. 4:673-679 Ji-Ig '64.

## PROTEINS

Change in the composition of proteins in ripening seeds of lentil, cowpea and chick-pea. V. G. Kifmenko, A. D. Berezovikov, G. B. Leonov. Biokhimiya 29 no. 4:598-601 Ji-Ig '64.

Determination of C-terminal amino acid residues in plant proteins by the hydrazinolysis method. A. A. Pichman, V. I. Veksel', M. S. Reznichenko. Biokhimiya 29 no. 4:583-585 Ji-Ig '64.

Effect of mixed and basically protein food on the condition of heat regulation. R. Akhmedov, Z. T. Tursunov. Uzb. biol. zhur. 9 no. 1:27-31 '65.

Effect of nitrogen fertilizers on the content of protein and crude protein in potato tubers. M. S. Nikitina. Vest. AN SSSR. Ser. sel'khoz. nauk. no. 4:40-44 '64.

Formation of amide groups of glutamine and proteins in the homogenates and subcellular fractions of the brain. G. B. Baniatdin, A. V. Aitullin. Dokl. AN. A. M. SSR 40 no. 4:209-215 '65.

New advances in studying biosynthesis of proteins and molecular mechanisms of morphogenesis. Zh. A. Medvedev. Usp. sovr. biol. 59 no. 3:333-353 My-Je '65.

Precipitation of seed proteins by trichloroacetic acid. I. U. A. Gofman, V. V. Salanova. Biokhimiya 30 no. 1:12-19 Ja-F '65.

Proteolytic properties of the fig tree (Ficus carica L.) latex. Sh. G. Gonashvili. Vopr. pit. 23 no. 6:26-30 N-D '64.

Some results of studying Basidiomycetes as a source for obtaining food proteins and diet-deficient amino acids. N. N. Falina and others. Rast. res. 1 no. 1:122-127 '65.

Study of electrochemical structure of protein molecules and their fragments by sorption methods. G. V. Samsonov, R. B. Penomareva. Biokhimiya 29 no. 4:586-589 Ji-Ig '64.

Study of proteins of the photobacterial alga Chlorella pyrenoidosa. E. P. Kurb. Vest. LGU 20 no. 9:157-160 '65.

Study of salt-soluble proteins of the seeds of Cucurbita pepo L. by the column gradient extraction method. M. V. Alekseeva. Biokhimiya 30 no. 1:60-68 Ja-F '65.

Study of the electrophoretic properties of citrate-soluble proteins of the colon bacillus in its variation. E. I. A. Rashba, M. B. Kaganakina. Biokhimiya 30 no. 1:3-6 Ja-F '65.

Studying the properties of the dispersions of protein copolymers. A. V. Zheltova, N. K. Barambolin. Nauch. trudy MTLF no. 30:18-25 '64.

## PROTEINS—SPECTRA

Studying the recombination of free radicals of irradiated protein and polymethylmethacrylic acid by the electron paramagnetic resonance and chemiluminescent method. I. I. Sapozhnikov, I. U. V. Silaev, N. M. Emanuel'. Trudy MOIP, Otd. biol. 21:102-106 '65.

## PROTEINS IN THE BODY

Autoradiographic study of protein-producing cells. F. V. Makarov. Arkh. anat., gist. i embr. 48 no. 4:3-16 Ap '65.

C-reactive protein in influenza and acute catarrh of the respiratory tract. P. M. Pashinin, V. G. Mosin. Zhur. mikrobiol. epid. i immun. 42 no. 3:126-130 Mr '65.

Cytochemical study of the testes in fishes. Report No. 1: Nucleic acids, proteins and polysaccharides. N. A. Butskaya. Arkh. anat., gist. i embr. 48 no. 4:117-23 Ap '65.

Histochemistry of mucopolysaccharides and proteins of the periplacental trophoblast in rabbits. T. N. Tsiatolina. Arkh. anat., gist. i embr. 48 no. 4:64-67 Ap '65.

Protein function of the liver in acclimatization. V. S. Cigauroi. Zhur. mikrobiol., epid. i immun. 42 no. 1:27-31 Ja '65.

Study of the electrophoretic protein fractions of the myocardium in the process of developing atherosclerosis. D. G. Grigoriant, V. A. Shalimov. Biol. eksp. biol. med. 59 no. 6:56-58 Je '65.



## PROTEUS

Activity of some Proteus enzymes of various origin.  
A. V. Ivanovskiy. Ukr. biohim. zhur. 37 no. 2 222-  
223 '65

## PROTEUS—CULTURES AND CULTURE MEDIA

Toxicity of cultural filtrates of Proteus of various origin. A. V. Ivanovskiy. Mikrobiol. zhur. 27 no. 3 17-20 '65

## PROTONS

Energy distribution of photoprotons from Si<sup>28</sup>. B. I. Goriachev and others. Izd. fiz. 1 no. 6 1005-1008 Je '65

## PROTONS—DECAY

Decay of a proton induced by electromagnetic radiation. V. D. Galazian. Izv. AN Arm. SSR Ser. fiz.-mat. nauk. 18 no. 1 126-133 '65

## PROTOPLASM

Activation of amino acids in the cytoplasm of skeletal muscles and liver during training. V. A. Rogozkin. IA. A. Far. Ukr. biohim. zhur. 37 no. 2 218-221 '65

Nature of protoplasm changes responsible for the occurrence of cellular pyrosis. P. V. Makarov. Vest. LGU. 20 no. 9 60-61 '65

## PROTOZOA, PATHOGENIC

Measures for preventing Histomonas infection in chickens. G. A. Gergam. Veterinaria 42 no. 5 58-59 My '65

Orekhova, M. M. [Poultry diseases (protozoan)] Belezni domashnikh ptits (protozoinye) Minsk, Urozhai, 1964. 43 p.  
(DNAL)

Patromorphological diagnosis of typhlohepatitis in turkeys. A. A. Bragimov. Veterinaria 41 no. 4 38-41 Ap '65

## PROTRACTORS

Fractor. B. B. Bolodzhiev, IU. A. Konstantinov. Lm. tekhn. no. 2 13 F '65

## PROVERBS

Vredenskaya, L. A. [Proverbs and sayings in elementary schools, a teachers' manual] Poslovitsy i pogovorki v nachal'noi shkole, posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 119 p.

## PRUSSIA—PEASANTRY

Prussian way of developing capitalism in agriculture and its special features in Russia. A. M. Anfimov. Vop. ist. 40 no. 7 62-76 Ji '65.

## PRUSSIA, EAST—WORLD WAR, 1939-1945—CAMPAIGNS

On the Dvina River. I. L. Lukin. Sov. voim. 47 no. 7 4-5 Ap '65

## PSEUDARTHROSIS

Causes of the development of pseudarthrosis due to the use of metallic osteosynthesis. S. S. Tkachenko. Vest. khir. 93 no. 11 79-83 N '64

"Pseudarthrosis" by A. I. Radulescu, O. K. Iaskov, A. Voina. Reviewed by E. G. Ornshtein. Vest. khir. 93 no. 11 133-134 N '64

## PSEUDORABIES—RESEARCH

Susceptibility of laboratory animals and tissue culture to the virus of Aujeszky's disease. G. Kh. Kamalov, V. V. Sturin. Veterinaria 41 no. 6 23-24 Je '64.

## PSKEM RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Lower Paleozoic sediments of the Pskem and Sandalash Ranges. R. N. Abdullaev. Uzb. geol. zhur. 9 no. 2 50-55 '65

## PSKOV PROVINCE—BRUCELLOSIS—PREVENTION

Practices in ridding farms of brucellosis of animals, A. Burakauskas and others. Veterinaria 42 no. 6 13-14 Je '65.

## PSKOV PROVINCE—RELIGION

Man departs from God. B. Emel'yanov. Sov. profsoiuzy 21 no. 12 26-27 Je '65.

## PSKOV PROVINCE—RURAL CONSTRUCTION

Conditions are similar but the results are different. P. Lipkin. Sel' stroit. 19 no. 4 22-24 Ap '65

## PSKOV PROVINCE—TRADE UNIONS

Man departs from God. B. Emel'yanov. Sov. profsoiuzy 21 no. 12 26-27 Je '65.

## PSORIASIS

Familial psoriasis. R. F. Fedorovskaya. Vest. dermat. ven. 38 no. 6 16-21 Je '64.

## PSYCHIATRY

Zhislina, S. G. [Studies on clinical psychiatry; clinical pathogenetic relations of dependency] Ocherki klinicheskoi psikiatrii, kliniko-patogeneticheskie zavisimosti. Moskva, Meditsina, 1965. 319 p.  
(DNLM)

## PSYCHOLOGICAL APPARATUS

Audio-speech reflexometer. V. V. Samanov and others. Vop. psikh. 11 no. 2 163-164 Mr.-Ap '65

Device for the automatic tape recording of the binary sequence of auditory stimuli. E. P. Kuchuk, A. N. Levko. Vop. psikh. 11 no. 2 157-57 Mr.-Ap '65

Visual speech reflexometer. K. V. Gavrilov and others. Vop. psikh. 11 no. 2 161-162 Mr.-Ap '65

## PSYCHOLOGICAL SOCIETIES see subdivision under Moscow

## PSYCHOLOGY—CONGRESSES

Conference of the Stavropol Interprovincial Section of the Society of Psychologists of the Academy of Pedagogical Sciences of the R. S. F. S. R. K. E. Dvorydova. Vop. psikh. 11 no. 2 184-185 Mr.-Ap '65

## PSYCHOLOGY—MODELS

Possible approach to the simulation of human psychic functions. N. M. Amosov and others. Vop. psikh. 11 no. 2 49-56 Mr.-Ap '65.

## PSYCHOLOGY, COMPARATIVE

Comparative study of conditioned reflexes to relationships. E. G. Vatsuro, M. Dzh. Kashkai. Vop. psikh. 11 no. 2 117-128 Mr.-Ap '65

## PSYCHOLOGY, FORENSIC

Using the testimonies of witnesses for the study of perceptual processes. L. G. Zhabitskaya, I. K. Shakhman'yan. Vop. psikh. 11 no. 2 148-154 Mr.-Ap '65.

## PSYCHOLOGY, INDUSTRIAL see subdivision under Gorky

## PSYCHOLOGY, PATHOLOGICAL

Dynamics of psychopathies in old age. V. I. Semko. Zhur. nev. i psikh. 64 no. 11 1680-1696 '64.

Psychopathological manifestations in the initial stage of an insult in its atypical forms. IU. D. Rakhal'skii. Zhur. nev. i psikh. 65 no. 6 900-905 '65.

Some disturbances of space components in the perceptions and ideas of the healthy and sick people. K. Kh. Korolenko, L. I. Umanski. Uch. zap. MGPI no. 104 311-335 '63.

## PSYCHOLOGY, PHYSIOLOGICAL—AUDIO-VISUAL AIDS

Technical models of the visual analyzer. V. A. Makhenin. Uch. zap. MGPI no. 104 330-337 '63.

## PSYCHOLOGY, RELIGIOUS

The influence of certain psychological factors on religiosity. I. N. Iablokov. Vest. Mosk.-un. Ser. 8; Ekon. filoz. 20 no. 2 43-50 Mr.-Ap '65

## PSYCHOLOGY OF LEARNING see Learning, Psychology of

## PSYCHOLOGY OF READING see Reading, Psychology of

## PSYCHOPHARMACOLOGY

Neuroleptic therapy of mental disorders in endocrine diseases. A. K. Dobrzhanakaya. Probl. endok. i gorm. 10 no. 5 41-48 S-O '64.

## PSYCHOSES

C-reactive protein in the cerebrospinal fluid and blood serum in infectious psychoses. S. I. Kogan, A. G. Shvedskaya. Zhur. nev. i psikh. 65 no. 6 803-807 '65

Clinical characteristics of chronic psychoses developed on the basis of alimentary emaciation. V. F. Dedov. Zhur. nev. i psikh. 65 no. 6 908-912 '65

Complete and dissociated structures of psychoses. A. M. Khaletskii. Zhur. nev. i psikh. 64 no. 11 1688-1670 '64

Dynamics of blood pressure in cerebral and peripheral vessels in hypertonic and atherosclerotic psychoses during treatment with aminazine. F. G. Zubarov. Zhur. nev. i psikh. 65 no. 6 894-899 '65.

Rheoencephalographic data in vascular and senile psychoses: preliminary report. A. D. Dol'mitsyna. Zhur. nev. i psikh. 64 no. 11 1697-1700 '64.

## PSYCHOSOMATIC MEDICINE see Medicine, Psychosomatic

## PSYCHOTHERAPY

Zenevich, G. V., and S. S. Libikh. [Psychotherapy of alcoholism] Psikhoterapiya alkogolizma. [Leningrad] Meditsina, 1965. 145 p. (Biblioteka prakticheskogo vracha)  
(DNLM)

## PSYCHOTROPIC DRUGS see Psychopharmacology

## PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION

Comprehensive series of large-panel public buildings according to a frameless design. A. Tundetnik, B. Kirsner. Stroi. i arkh. 12 no. 2 15-18 F '64.

Cooperation of public buildings in small settlements. G. Zen'kovich. Stroi. i arkh. 12 no. 2 10-21 F '64.

## PUBLIC HEALTH

(see also subdivision under Algeria; Karachi; J. efforts to improve public health. "Improve public health." Izv. zhurn. 42 no. 1 3-5 Ja '65)

Voronozh, G. G. [The seven-year plan of the national economy in the seven-year plan of the national economy] Vop. psikh. 11 no. 2 157-57 Mr.-Ap '65

## PUBLIC HEALTH—STATISTICS

Natkin, L. L. [Statistics in hygiene research] Statistika v gienicheskikh issledovaniyakh. Izd. 1. A. M. Moskva, Moskva, Meditsina, 1965. 222 p.  
(DNLM)

## PUBLIC OFFICERS

How can we organize more effectively the work of the public officers in an electoral district. A. M. Moskva, 38 no. 5 13 My '65

## PUBLIC OPINION

(see also subdivision under France; United States) The masses and foreign policy. A. Galkin. Vost. i zap. 1 mezhduim. otn. no. 7 14-14 '63.

## PUBLIC PROSECUTORS

(see also subdivision under Bulgaria; Brazil; East Germany; East; Kazakhstan; Rumania; Tajikistan; Republics)

Mayors: the role and responsibility of the public prosecutor. E. Mironova. Sots. zakon. 42 no. 1 15-17 Ja '65

For the intensification of the struggle against crime and for the further strengthening of legal order. Sots. zakon. 42 no. 6 2-8 Ji '65.

Improve the work of the public prosecutor. Sots. zakon. 42 no. 1 15-17 Ja '65.

Improve the prosecutorial supervision of the work of the court rulings on the appellate level. Sots. zakon. 42 no. 6 2-8 Ji '65.

In the Collegium of the Procurator of the U.S.S.R. Sots. zakon. 42 no. 3 10-11 Mr '65.

In the Collegium of the Procurator of the U.S.S.R. Sots. zakon. 42 no. 3 10-11 Mr '65.

In the Collegium of the Procurator of the U.S.S.R. Sots. zakon. 42 no. 3 10-11 Mr '65.

In the Collegium of the Procurator of the U.S.S.R. Sots. zakon. 42 no. 3 10-11 Mr '65.

Practice in prosecutorial supervision. Sots. zakon. 42 no. 3 10-11 Mr '65.

Practice of prosecutorial supervision. Sots. zakon. 42 no. 3 10-11 Mr '65.

Practice of prosecutorial supervision. Sots. zakon. 42 no. 3 10-11 Mr '65.

The prosecutor as a party in civil proceedings. Sots. zakon. 42 no. 3 10-11 Mr '65.

Prosecutorial supervision of law enforcement agencies. Sots. zakon. 42 no. 3 10-11 Mr '65.

Supervision of an action required by law as a result of criminal information. V. Rukhina. Sots. zakon. 42 no. 6 37-38 Ji '65.

## PUBLIC SERVICE

Let us fulfill ahead of schedule the plan for the concluding year of the seven-year plan. Vost. i zap. 1 mezhduim. otn. no. 7 14-14 '63.

## PUBLIC UTILITIES

Provide new and modern machinery for the economy. I. Mikhovskii. Zhur. nev. i psikh. 64 no. 11 1697-1700 '64.

## PUBLISHERS AND PUBLISHING

Attaching State publishers to publish literature and information works for research, design and construction organizations and enterprises of the country. G. G. Galkin, N. N. Stomilov. NTC no. 1 15-17 Ja '65

[Chronology on the history of Russian books, 1564-1917] Khronologiya po istorii russkikh knig, 1564-1917. Sost. L. A. Vozlov. Red. A. D. Eshengulov. Moskva, Izd-vo "Kniga," 1965. 377 p.

A publishing house makes a study of the demand. B. Voronov. A. G. Galkin. Zhur. nev. i psikh. 64 no. 11 1697-1700 '64.

To actively participate in the work of the publisher. A. Bolkina. Zhur. nev. i psikh. 64 no. 11 1697-1700 '64.

PUDKOV, ALEKSANDR KONSTANTINOVICH, 1899-1945. Aleksandr Konstantinovich Pudkov: an obituary. Sots. zakon. 42 no. 6 37-38 Ji '65.

## PUERPERIUM

Gronat, L. N., and V. V. Ivanova. [For the young mother. Medical material] Moskva, Meditsina, 1965. 34 p.  
(Nauchno-popularnaya meditsinskaya literatura)  
(DNLM)

## PULKOVO ASTRONOMICAL OBSERVATORY

Determining the declinations of certain extragalactic radio sources by means of the large radio telescope at Pulkovo V. I. A. Gol'tsev, G. G. Novozhilova, I. U. N. Paritskiy Izv. vys. ucheb. zav. radiofiz. 8 no. 1 143-185 '65

Scouts of space tracks. I. U. Stvolinskiy, I. Churin, Av. i kosm. 47 no. 7-42-47 J1 '65.

## PULLEYS

Investigating the process of the formation of a curved cable on a pulley. S. T. Sergeev, Prikl. mekh. 1 no. 4 79-91 '65.

## PULLORUM DISEASE

Prevention of ascaridiasis and pullorum disease in chicks using iodinol N. Kh. Kucheyuk, S. Z. Duboviy, Veterinariia 41 no. 6 62-63 Je '64.

## PULLORUM DISEASE—PREVENTION

Prophylaxis of pullorum disease B. A. Nikanorov, Veterinariia 41 no. 6 51-53 Je '64.

## PULMONARY ARTERY—DISEASES

Clinical and X-ray picture of isolated stenosis of the pulmonary artery O. S. Antonov, E. D. Kononov Vest. rent. i rad. 49 no. 6 3-6 N-D '64.  
Diagnosis and treatment of embolism and thrombosis of the pulmonary artery. N. M. Rzaev, Azerb. med. zhur. 42 no. 3-25-35 Mr '65.  
Thromboembolism of the pulmonary artery in a craniocerebral trauma. N. I. Bgantsev, Trudy Inst. im. N. V. Sklif. 8:140-144 '63

## PULMONARY ARTERY—RADIOGRAPHY

Clinical and X-ray picture of isolated stenosis of the pulmonary artery O. S. Antonov, E. D. Kononov Vest. rent. i rad. 39 no. 6 3-6 N-D '64 others.

## PULMONARY EDEMA

Edematogenous effect of adrenaline decomposition products. A. Kh. Kogan, M. R. Lichanidze, Pat. fiziol. i leksp. terap. 8 no. 6 70-79 N-D '64.

## PULPY KIDNEY DISEASE OF LAMBS

Epidemiology of badsoot and infectious enterotoxemia of sheep in Daghestan M. M. Farzaliyev, M. M. Dalgat, Veterinariia 41 no. 4 36-37 Ap '65.

## PULSE CIRCUITS

Correlation couplings of the output voltage of a switched RC integrator. A. S. Plotopopov, Radiotekh. i elektron. 10 no. 5 1073-1082 Je '65.  
Experimental study of pulse-type bridge components. S. P. Akhmedov, V. A. Il'in, Avtom. i telem. 20 no. 3: 563-566 Ma '65.  
Mutual blocking of transistor trigger circuits by means of a time selection principle M. B. Shchedrin, Trudy VNIIE no. 18 115-121 '61.  
Reliable high-frequency dynamic transistor trigger circuit. R. G. Berulava, Avtom. i telem. 20 no. 4 712-720 Ap '65.

## PULSE TECHNIQUES (ELECTRONICS)

Accurate analysis of the operation of a linearized device for converting a voltage into a time interval. I. A. S. Hakhela, Radiotekhnika 29 no. 4 50-52 Ap '65.  
Circuit of a decimal pulse counter with luminous indication A. D. Alekshin, I. U. V. Liza'ko, Priborostroyenie no. 5:25-49 My '65.  
Interference rejection of logarithmic pulse systems with logarithmic amplitude-time converters N. D. Kurtev, Trudy VZEL no. 29:101-106 '64.  
Peaking spark gaps insensitive to the pulse amplitude. G. A. Meslats, Zhur. tekhn. fiz. 35 no. 3 516-518 Mr '65.  
Propagation of excitation in one-dimensional structures. V. R. Telesnin, Izv. vys. ucheb. zav. radiofiz. 8 no. 1: 160-176 '65.  
Pulse signal transmission channel with frequency limitation of the lower level. A. E. Znamenskiy, Elektrosv. 19 no. 6:70-71 Je '65.  
Statistical characteristics of random pulse noises at the output of a pulse group selector. F. I. Baraukov, Radiotekhnika 20 no. 4 330-44 Ap '65.

## PUMICE

Producing pumice from the slag of ferroalloy plants. V. M. Rudkovskiy and others, Stroi. mat. 11 no. 4:25-27 Ap '65.  
Producing pumice from waste slag of nickel smelting. I. N. Reznikov, L. L. Chorpak, N. A. Kiselev, Stroi. mat. 11 no. 4:27-29 Ap '65.

## PUMPING MACHINERY

Design of a solid spatial vane of the runner of a centrifugal pump. I. N. Pogrebennyi, A. M. Tanskii, Izv. vys. ucheb. zav.; energ. 8 no. 5 90-92 My '65.  
Development and study of the flow-through of an EPN-6 sinking pump. A. I. Dingilev, Trudy LPI no. 246:46-52 '65.  
Effect of flow approach conditions to the rotor wheel on the form of the H-Q pressure characteristic of feed pump stages. S. A. Gorgidzhanian, Trudy LPI no. 246:39-45 '65.

Hermetically encased labyrinth pump for refrigerants. A. B. Barenholm, B. A. Minkus, E. A. Vasil'ev, Khol. tekhn. 42 no. 1 23-26 Ja-F '65.  
Outdoor system for studying full-sized feed pump units. G. I. Basalaev, Trudy LPI no. 216 64-68 '65.  
Pressure accumulator for motor pumps. V. I. Glukhan, L. K. Sokolov, Mekh. stroi. 22 no. 2 30 F '65.  
Removal of oil from the exhaust steam of pumps D. G. Umrikhin, Energetik 13 no. 4:10 Ap '65.  
Selecting sinking and artesian pumps for vertical drainage. N. N. Omelin, Vop. gidr. no. 22:34-66 '65.  
Skards, V. [Pumps] Sukni, Riga, Izdevnieciba "Litera", 1965, 166 p. [In Latvian]

## PUMPING MACHINERY—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref. zhur. N. S. Sosost. i kompressorost. no. 8 Je '65

## PUMPING MACHINERY, ELECTRIC

Calculation of the pressure characteristic of centrifugal pumps and ventilators with zero expenditure. A. A. Levin, V. I. Polikovskiy, Izv. AN SSSR, Energ. i transp. no. 2:120-133 Mr-Apr '65.  
Heating of the asynchronous motors of sinking pumps. G. G. Rekus, A. I. Belousov, Elektrichestvo no. 3 62-66 Mr '65.  
Selection of asynchronous motors for sinking pumps G. G. Rekus, A. I. Belousov, Prom. energ. 20 no. 3:31-34 Mr '65.  
Sinking pump motors for use in petroleum production A. A. Bogdanov, Elektrotekhnika 36 no. 3:9-11 Mr '65.

## PUMPKIN SEED

Study of salt-soluble proteins of the seeds of Cucurbita pepo L. by the column gradient extraction method. M. V. Alekseeva, Biokhimiya 30 no. 1:60-66 Ja-F '65.

## PUNCHED CARD SYSTEMS

Device for the computation and printing of alphabetical and numerical information from punched cards [USP-1] I. A. P. Shurman, NTI no. 1 29-31 '65.  
For a wider introduction of the remote transmission of information. A. Kaganovich, Bukh. uch. 22 no. 2: 3-7 F '65.  
Using punched cards in the Institute of Zoology of the Academy of Sciences of Moldavia P. Kh. Kiskin, NTI no. 3:33 '65.  
Using waste punched cards as cards with perforated borders V. I. Zaitsev, NTI no. 1:37-38 '65.

## PUNCHED CARD SYSTEMS—METALLURGY

Computers for the use of planning organizations. S. G. Vinov, R. A. Shamgunova, Stal' 25 no. 5:489-490 My '65.

## PUNCHED CARD SYSTEMS—MINING ENGINEERING

Improve the lower echelon operative planning in mine construction organizations. A. F. Pavlitukhin, I. A. N. TSKirovskiy, Shakh. stroi. 9 no. 5:4-7 My '65.

## PUNCHED CARD SYSTEMS—TOOL AND DIE INDUSTRY

see subdivision under Moscow

## PUNCHING MACHINERY

The RA-4HP punch press with a turret head. A. N. Izumtsov, Mashinostroyenie no. 3:49-51 My-Je '65.

## PUNCHING MACHINERY—NUMERICAL CONTROL

Manufacturing panels on punching presses. B. N. Markovich, A. N. Izumtsov, V. V. Kovalev, [Nauch. trudy ENIKMASH] 11:14-49 '65.

## PUNISHMENT

Let us do away with the inadequate application of the institution of conviction annulment before the end of the term. I. U. Mankev, Sots. zakon. 42 no. 6:52 Je '65.  
Prosecutorial supervision of law observance in places of confinement should be on the level of the present-day tasks. Sots. zakon. 42 no. 2:3-9 F '65.

## PUPPETS AND PUPPET PLAYS

(see also subdivision under Kharkov)  
Theater of Bekteshova. L. Polakova, Teatr 26 no. 4: 106-108 Ap '65

## PUSHKIN, ALEXANDR SERGEEVICH, 1799-1837

Moldavian folklore in the works of Pushkin. M. Khazin, Vop. lit. 9 no. 3:230-232 Mr '65.

## PUSHKIN IN LITERATURE AND ART

Correspondence in regard to the play "Pushkin" ("The last days"). M. Bulgakov, V. Voresnev, Vop. lit. 9 no. 3:151-171 Mr '65.

## PUSTOVOIT, VASILII STEPANOVICH

Achievements of a scientist and plant breeder; about V. S. Pustovoyt, V. M. Sustov, Vest. sel'khoz nauki 8 no. 8 146-149 Ag '63.

## PUTTY

Low-cost putty. S. Akopian, Prom. Arm. 8 no. 4:33 Ap '65.

## PUZANOV, IVAN IVANOVICH, 1885-

Ivan Ivanovich Puzanov, on his 80th birthday. I. A. Tseba, Gidrobiol. zhur. 1 no. 3:65-68 '65.

## PYRANONE

Chemistry of vinylacetylene. Part 55: Synthesis and transformations of 2,2-dialkyl-5-chlorotetrahydropyran-4-ones. S. A. Vartanian, V. N. Zhamagoritsian, L. G. Grigorian, Izv. AN Arm. SSR, Khim. nauki 17 no. 6: 682-692 '61.

## PYRAZOLE

Synthesis of pyrazole derivatives containing bidentate complex-forming groups. V. M. Dziomko, I. A. Kravtsov, Trudy IRCA no. 25:41-46 '63

## PYRGEOMETER

Possibility of observing long-wave streams of radiation on the Savinov-Landshyevskiy pyrometer in daytime. G. I. Kizhno, Trudy AANII 273 178-186 '65

## PYRIDINE

Polarographic study of the effect of ethanol concentration on the rate of pyridine and 2,6-lutidine protonization by water S. G. Mairanovskiy, V. P. Gul'fal, Elektrokhimiya 1 no. 4:460-466 Ap '65.

## PYRIDINE BASES

Reaction of polyvinyl chloride with pyridine bases. A. B. Davankov, V. M. Laufer, J. B. Kuznetsova, Izv. vys. ucheb. zav., khim. i khim. tekhn. 8 no. 1:127-130 '65.

## PYRIDINIUM COMPOUNDS

Reaction of ketone with nitrogen-containing bases, Part 19: Reaction of chloroacetyl pyridinium anilides. I. U. V. Svetkin, Zhur. ob. khim. 35 no. 5:839 My '65.

## PYRIDOINDOLE

Paramagnetic derivatives in the 1, 2, 3, 4-tetrahydro-7-carboline series. E. G. Rozantsev, A. B. Shapdro, N. N. Komolova, Izv. AN SSSR, Ser. khim. no. 6:1100-1102 '65.

## PYRIDOXINE

Effect of vitamin B<sub>6</sub> on the protein and lipoprotein fractions of the blood serum in rats and rabbits L. V. Batalova, Vop. pit. 23 no. 6:73-76 N-D '64.  
Phagocytic activity of leucocytes during the treatment of experimental hepatitis with vitamin B<sub>6</sub> I. Kh. Pasachnik, I. A. Sytnik, I. I. Nogachevskiy, Biol. eksp. biol. i med. 59 no. 6 46-49 Je '65.  
Tryptophan requirements under nervous stress. T. A. Brakhe, A. V. Popova, Vop. pit. 23 no. 6:21-23 N-D '64.

## PYRIMIDINES

Effect of natural pyrimidines on the growth of Ehrlich's tumor in mice and lymphosarcoma in rats. A. M. Polischuk, Vop. onk. 11 no. 3 50-61 '65.  
Radiosensitizing effect of some natural pyrimidines. R. I. Gol'kina, Vop. onk. 11 no. 3 57-58 '65.

## PYRITES

(see also subdivision under Caucasus, Northern; Kirovakan region)  
Processes of geological selection of pyrite individuals. A. A. Avakian, Dokl. AN Arm. SSR 40 no. 4 233-235 '65.  
Pyrite concretions of continental Middle Jurassic sediments and the conditions governing their formation. P. V. Ivashov, Soob. DVFAN SSSR no. 21:23-27 '63.

## PYROCATECHOL

Synthesis and properties of alkyl aryl esters of pyrocatecholphosphorous acid. P. A. Kirpichnikov, L. M. Popova, Zhur. ob. khim. 35 no. 6:1026-1027 Je '65.

## PYROGENS

Dynamics of the disappearance of bacterial lipopolysaccharide from the blood and formation of endogenous serum pyrogen in normal and thyroidectomized rabbits. O. Sh. Dzheksenbaev, Biol. eksp. biol. i med. 59 no. 6 40-42 Je '65.

## PYROLYSIS

Effect of the chemical composition of crude on the yield and quality of pyrolysis products. M. M. Prokopenko, B. S. Grinenko, Neft. i gaz. prom. no. 2:54-57 Ap-Je '65.

## PYROMETERS

Photodiode pyrometer for continuous temperature measurement of liquid cast iron. V. G. Tishchenko, Mashinostroyenie no. 3:30-31 My-Je '65.

## PYROMETRY

Measuring external surface temperatures of a large-capacity converter and converter ladle. G. M. Smirnov and others, Stal' 25 no. 5:416 My '65.  
Optical pyrometry of nonuniform radiation sources. L. P. Bakhtir, Zhur. prikl. spekt. 2 no. 3:279-282 Mr '65.

## PYROPE

Study of the material composition of the ultrabasic layer of the earth on the basis of studying ultrabasic rocks containing pyrope in kimberlites. A. P. Bobrovich, Geol. i geofiz. no. 3:89-114 '65.

## PYROPHOSPHATES

Complex formation of iron (III) with pyrophosphate. V B Spirakoski. G V Makovskaya. Zhur. neorg khim. 10 no 5 1065-1068 My '65

## PYROTARTARIC ACID

Polarographic behavior of  $\alpha$ -aminopropionic and pyrotartaric acids in the presence of alcohol and sodium sulfite. A L Markman, V M El'gort. Uzb khim zhur. 9 no 1 9-12 '65

## PYRRHOTITE

Reasons of the varying floatability of pyrrhotite modifications. R K Alekseeva. TSvet. met. 38 no 3 18-21 Mr '65

## PYRILIUM COMPOUNDS

Perchloric acid and its compounds as catalysts in organic synthesis. Part 22: Synthesis of pyriliium salts from compounds with a tertiary carbon atom. G N Dorofenko, G I Zhungietu. Zhur. ob khim. 35 no 6 563-567 Jr '65

Perchloric acid and its compounds as catalysts in organic synthesis. Part 23: Salts of 2-alkyl [3,4,5,6] bis (indenyl) pyriliium. IU, A. Zhdanov, G N Dorofenko, V A Falchikov. Zhur. ob khim. 35 no 5-827-831 My '65

## PYZHOVA, OL'GA IVANOVNA, 1895-

Always with young people. V Orlov. Teatr. 26 no 4 105 Ap '65

## Q FEVER

Experimental infection of house mouse, Dzhungar hamster and steppe vole with Q fever. A A Pchelkina. Zool. zhur. 44 no 4 625-626 '65

## Q FEVER—PREVENTIVE INOCULATION

Vaccinal process in guinea pigs in simultaneous immunization with brucellosis and Q-rickettsiosis live vaccines. F M Kniazeva, Zhur. mikrobiol., epid. i immun. 42 no 1 47-52 Ja '65

## QUADRATIC FORMS see Forms, Quadratic

## QUALITY CONTROL

Excellent-made-excellent sold. Sov. torg. 38 no 3 1-2 Mr '65

Role of accounting in organizing faultless production manufacture. F Starodubtsev. Bukh. uch. 22 no 2 42-43 F '65

Ties between industry and trade. IA Orlov. Sov. torg. 38 no 3 3-9 Mr '65

## QUANTUM ELECTRODYNAMICS

Nonrelativistic analogy of the Bloch-Nordsieck approximation. A D Gazazian. Izv. AN Arm SSR, Ser. fiz.-mat. nauk. 18 no 2 128-132 '65

## QUANTUM ELECTRONICS

Resonance effects in nonlinear optics. E A Mar'kin, A M Afanas'ev. Zhur. eksp. i teor. fiz. 48 no 3 931-938 Mr '65

## QUANTUM FIELD THEORY

Characteristics of the temperature dependence of non-magnetic metals with a small admixture of magnetic atoms. A A Abrikosov. Zhur. eksp. i teor. fiz. 48 no 3 980-992 Mr '65

Mathematical problems in quantum field theory. N N Bogoliubov. Usp. mat. nauk. 20 no 3 31-40 My-Je '65

Theory of nondissipative electron streams in a quantized magnetic field. F S Zyrinov, V I Okulov. Fiz. tver. tela. 7 no 6 1749-1755 Je '65

## QUANTUM THEORY

Amount of information transmitted via a quantum communication channel. Part 1. R L Stratonovich. Izv. vys. ucheb. zav., radiofiz. 8 no 1 116-128 '65

Amount of information transmitted via a quantum communication channel. Part 2. R L Stratonovich. Izv. vys. ucheb. zav., radiofiz. 8 no 1 129-141 '65

Auger recombinations with the participation of carriers bound to various centers. E I Tolpygo, K B Tolpygo, M K Sheinkman. Fiz. tver. tela. 7 no 6 1760-1764 Je '65

The Bethe-Salpeter equation and the significance of "central" interactions. I M Dremin and others. Zhur. eksp. i teor. fiz. 48 no 3 952-964 Mr '65

Coulomb excitation of the first  $2^+$  levels of  $Zr^{90}$  and  $Zr^{96}$ . IU, P. Gangarski, I Kh. Lemberg. IAD, fiz. 1 no 6 1025-1027 Je '65

Electromagnetic oscillations in a resonance medium. A I Alekseev. Zhur. eksp. i teor. fiz. 48 no 3 879-889 Mr '65

Electromagnetic radiation from a neutron in an external magnetic field. I M Ternov, V G Bagrov, A M Kha-paev. Zhur. eksp. i teor. fiz. 48 no 3 921-927 Mr '65

Energy levels and relative intensities of nuclear quadrupole resonance lines for certain integral spins. N E Amibinder, V S Grechishkin. Izv. vys. ucheb. zav., radiofiz. 8 no 2 418-420 '65

Excitation of atoms by electrons and the broadening of spectral lines. I I Sobel'man. Zhur. eksp. i teor. fiz. 48 no 3 965-970 Mr '65

Further on the uncertainty relation for energy and time. V A Fok. Usp. fiz. nauk. 86 no 2 363-365 Je '65

Generation of the second optical harmonic in a laser resonator. I O Marushko, V S Mashkevych. Ukr. fiz. zhur. 10 no 3 312-322 Mr '65

Hyperfine structure of the paramagnetic resonance spectra of free Ag, Au, and Cu atoms stabilized in a benzene matrix at the temperature of liquid hydrogen. R A Zhitnikov, N V Kolesnikov. Fiz. tver. tela. 7 no 6 1710-1716 Je '65

Kinetics of induced relaxation. A I Burshtein. Zhur. eksp. i teor. fiz. 48 no 3 850-859 Mr '65

Polarizing properties of muons in "elastic" neutral processes ( $\gamma, \pi^+ \pi^+ \mu^+$ ,  $\gamma, \pi^+ \pi^+ \mu^+$ ). G V Shishkin. Dokl. AN BSSR. 9 no 3 160-163 Mr '65

Possibility of observing induced radiation in the far ultraviolet region of the spectrum. P A Barzulin, I N Kniazov, G G Petrash. Zhur. eksp. i teor. fiz. 48 no 3 975-976 Mr '65

Production of fast H atoms in excited states by proton charge exchange and the dissociation of  $H_2^+$  and  $H_3^+$  ions in helium and neon. S V Bobashev, V A Ankudinov, E P Andreev. Zhur. eksp. i teor. fiz. 48 no 3 833-836 Mr '65

Pulsations of induced radiation in solids. B L Zhelnov and others. Fiz. tver. tela. 7 no 6 1750-1760 Je '65

Role of  $L_q$ -quanta in the formation of the continuous spectrum of diffuse nebulae. A V Kurchakov. Trudy Astrofiz. inst. AN Kazakh SSR. 5 292-295 '65

Some properties of the quasi-atom  $e^+H$ . Din' Van Khoang. Dokl. AN BSSR. 9 no 3 152-155 Mr '65

Spin-lattice paramagnetic relaxation and the shape of the EPR signal line in a magnetic-dilute solid body. I V Aleksandrov. Zhur. eksp. i teor. fiz. 48 no 3 860-878 Mr '65

Thermo-e.m.f. in a quantized magnetic field in semiconductor with a multi-ellipsoid band. V S L'vov. Fiz. tver. tela. 7 no 6 1680-1686 Je '65

## QUARTZ

Replacement of quartz with calcite in sedimentary rocks. S A Kashik. Geokhimiya. no 2 180-187 F '65

QUARTZITES see subdivision under Kursk Magnetic Anomaly

## QUEUING THEORY

A single server with a finite queue and items of several types. G P Basharin. Teor. ver. i appl. 10 no 2 282-286 '65

## QUINAZOLINE

Color reactions of quinazoline multidentate derivatives. V Dzhomko, I S Markovich, S L Zelichenok. Trudy IREA. no 25 47-56 '63

## QUINOLINE

Determination of the instability constant of a complex of 8-(p-toluenesulfonylamino)-quinoline with zinc. S U Krengol'd, E A Bozhevol'nov, G V Serebriankova. Trudy IREA. no 25 422-426 '63

Effect of the electrode material on the electroreduction of quinoline. N E Khomutov, V V Tsodikov. Elektrokhimiya. 1 no 4 482-485 Ap '65

Paramagnetic derivatives in the series of hydrogenated quinoline. A B Shapiro and others. Izv. AN SSSR, Ser. khim. no 6 1102-1104 '65

Treating cattle with theileriasis. G A Pereponov, P A Nechaev. Veterinariya. 41 no 6 56-58 Je '64

## QUINOLINOL

General effect and toxicity of stereoisomers of benzoate hydrochloride of 1-ethyl-2-methyl-4-oxydecahydroquinoline and 1-propyl-2-methyl-4-oxydecahydroquinoline. I I Chebekova. Trudy Inst. fiziol. AN Kazakh SSR. 7 34-38 '64

Local anesthetic activity of stereoisomers of benzoate hydrochloride of 1-ethyl-2-methyl-4-oxydecahydroquinoline and 1-propyl-2-methyl-4-oxydecahydroquinoline. I I Chebekova. Trudy Inst. fiziol. AN Kazakh SSR. 7 28-33 '64

Pharmacological activity of some stereoisomers, derivatives of oxydecahydroquinoline. G I Samarina. Trudy Inst. fiziol. AN Kazakh SSR. 7 48-53 '64

Relation of the toxicity and local effect of some stereoisomers, derivatives of oxydecahydroquinoline, to their spatial structure. G I Samarina. Trudy Inst. fiziol. AN Kazakh SSR. 7 39-47 '64

## QUINONE

Effect of quinone on the light transformation of violaxanthin in chloroplasts. I A Popova. Biokhimiya. 30 no 1 58-59 Ja-F '65

Kinetics of electrochemical processes in the system quinone - hydroquinone. Part 1: Effect of specific adsorption of the reactant on the kinetics of reactions on a platinum electrode. Lao Lu-an' [Yao Lu-an], IU, B. Vasil'ev, V S Bagotaki, Elektrokhimiya. 1 no 2 170-175 F '65

Kinetics of electrochemical processes in the system quinone - hydroquinone. Part 2: Effect of the adsorption of particles nonparticipating in the reaction. Lao Lu-an' [Yao Lu-an] and others. Elektrokhimiya. 1 no 2 176-181 F '65

Spectral study of polymorphic arylene quinones and their products of their transformation. B I Logvinov and others. Vysokom. energ. 7 no 1 60-66 Ap '65

## RABIES—PREVENTIVE INOCULATION

Catamnestic of patients with psychotic disorders at rest following antirabies vaccination. D M Khatib. Zh. nevrol. i psikh. 85 no 6 913-917 '65

Complications in antirabies inoculations. D M Khatib. Sov. med. 28 no 4 80-82 Ap '65

Elaboration of an optimal scheme for combined active and passive immunization against rabies. M A Nogicheva. Zhur. mikrobiol., epid. i immun. 42 no 2 144-145 Mr '65

Importance of late injection in the immunization of animals using antirabies vaccine. M A Kavalenok, I V Zhitnikov. Vestn. AN BSSR, Ser. sel'sk. khoz. nauk. 10 101-106 '64

## RACE

The theory of race studies at the Seventh International Congress of Anthropological and Ethnological Sciences. V P Alekseev. Sov. etn. no 2 7 Ja '65

RACE DISCRIMINATION see subdivision under Africa, South

## RADAR IN ASTONOMY

Use of phase techniques in studying polarization effects apparent in the reflection of radio waves from celestial bodies. V V Sidorov, A F Pavlov, R R Bakhtin. Izv. vys. ucheb. zav., radiofiz. 8 no 2 291-293 '65

## RADAR IN NAVIGATION

Baranov, IU. K., and M. M. Leokov. [Collection of problems on the use of radar in the prevention of ship collisions.] Sbornik zadach po ispol'zovaniyu radarov dlia preduprezhdeniya stolknovenii sudov. Moskva, Transport, 1964, 60 p. (Kursy nauch. i stroitel'sk. priklad. fiz. i matemat. nauk.)

## [MICROFILM]

Method for improving the performance reliability and accuracy of the synchronizing system of the "Donat" radar stations. I Apandin. Mes. fiz. 23 no 4 117-118 Ap '65

## RADCHENKOV GAS FIELD—GAS WELL COMPLETION

Reinforcing bottom zones in gas wells of the Radchenkov gas field with ceramic filters. A I Delachuk. Gaz. delo. no 4 17-20 '65

## RADIATION

Amplification by a particle beam of plasma waves related to transition radiation on the sharply defined interface of two media. S M Fainstein. Izv. vys. ucheb. zav., radiofiz. 8 no 1 19-20 '65

Effect of irradiation on the rate of leaching of barium and hydroargillite. V N Korlukov, S I Kuznetsov, A A Deravtinskii. Zhur. prikl. khim. 38 no 4 749-752 Ap '65

Luminescence in electrolysis as a radiation source for spectral analysis. O A Fevtska, V Z Kozlovskii. Trudy IREA. no 25 221-231 '63

Theory of radiation from a charge passing through an electrically inhomogeneous medium. F I Pavlov, V A Iakovenko. Usp. fiz. nauk. 86 no 2 190-199 Je '65

## RADIATION—DOSAGE

Calculation of doses in a plane not coincident with the plane of isodoses in intracavitary treatment of cancer of the cervix uteri. A A Stankevich. Vopr. onk. 11 no 3 106-113 '65

Characteristics of the biological action of ultrafractionated (pulsed) irradiation. A A Skuratovich, G M Pravdina. Med. rad. 10 no 2 28-35 F '65

Comparative evaluation of the dose field in the irradiated volume of the brain and in its cross section by the use of a gel dosimeter. IU, D. Skoropad. Med. rad. 10 no 2 23-28 F '65

Course of reactions of the mucous membrane of the oral cavity in radiotherapy of neoplastic formations of the maxillofacial region and its relation to the absorbed radiation dose. A S Pavlov, G M Ruror. Med. rad. 10 no 3 22-30 My '65

Determination of the radiation dose in the liver of patients with polycythemia on the basis of bromocresol green in the use of radiophosphorus therapy. V I Lapchenkov. Med. rad. 10 no 6 81-85 My '65

Dosage distribution in convergent rotation irradiation. A V Bilberg, T G Ratner, V L Lips. Med. rad. 10 no 5 70-81 My '65

Method of calculating the absorbed doses of long-wave X-ray radiation. A N Krugauz, A V Frolova. Vestn. rent. i rad. 30 no 6 80-86 N-D '64

Method of calculating irradiation doses and the maximum permissible concentration of fresh fission fragments for different sections of the gastrointestinal tract. V M Malykhin, V P Shamov. Med. rad. 10 no 5 82-88 My '65

## RADIATION—DOSAGE (Continued)

Use of supplementary filters to decrease irradiation doses in ordinary radiography and some special methods of examination. B. M. Aliev, I. E. Rabkin, Vest. rent. i rad. 39 no. 6 72-74 N-D '64

**RADIATION—EFFECT ON FETUS** see Fetus, Effect of radiation on

**RADIATION—EFFECT ON GALLIUM SELENIDE CRYSTALS** see Gallium selenide crystals, Effect of radiation on

**RADIATION—EFFECT ON GLASS** see Glass, Effect of radiation on

**RADIATION—EFFECT ON GLYCOSIDES** see Glycosides, Effect of radiation on

**RADIATION—EFFECT ON INDIUM** see Indium, Effect of radiation on

**RADIATION—EFFECT ON MICRO-ORGANISMS** see Micro-organisms, Effect of radiation on

**RADIATION—EFFECT ON ORGANIC COMPOUNDS** see Organic compounds, Effect of radiation on

**RADIATION—EFFECT ON PLANTS** see Plants, Effect of radiation on

**RADIATION—EFFECT ON PLASTICS** see Plastics, Effect of radiation on

**RADIATION—EFFECT ON URANIUM** see Uranium, Effect of radiation on

**RADIATION—EFFECT ON WATER** see Water, Effect of radiation on

## RADIATION—PHYSIOLOGICAL EFFECT

Change in acquired immunity in paratyphoid infection at different periods following irradiation, an experimental study. V. A. Snopkova, Med. rad. 10 no. 2: 51-54 F '65

Changes in the properdin level in the blood of normal and irradiated animals under the effect of a mucopolysaccharide preparation made from cattle spleen. N. M. Ivanova, A. S. Shil'kova, Biol. eksp. biol. i med. 50 no. 6: 42-46 Je '65

Characteristics of the biological action of ultrafractionated (pulsed) irradiation. A. A. Skuratovich, G. M. Praydina, Med. rad. 10 no. 2: 28-36 F '65

Dosage computation in the irradiation of lungs with radioactive particles. A. V. Bykhovskii, O. M. Zarsaev, Med. rad. 10 no. 3: 31-39 Mr '65

Effect of introducing cells of bone marrow and the spleen in irradiated and influenza-infected mice on their survival and anti-influenza immunity. O. P. Lebedeva, Shor. nauch. trud. Inst. infek. bol. no. 4: 114-122 '64

Effect of ionizing radiation on the sexual function in man. I. A. Mil'man, N. A. Mil'man, Med. rad. 10 no. 5: 65-71 My '65

Morphological changes in the lungs of irradiated mice following infection with influenza. V. P. Emalkina, Shor. nauch. trud. Inst. infek. bol. no. 4: 104-109 '64

State of the vestibular analyzer in persons working with sources of ionizing radiation. A. A. Model', Med. rad. 10 no. 5: 71-74 My '65

Studying the recombination of free radicals of irradiated protein and polymethylmetacrylic acid by the electron paramagnetic resonance and chemiluminescent method. I. I. Sapozhnikov, I. V. Silaev, N. M. Emanuel', Trudy MOIP, Old biol. 21: 102-108 '65

## RADIATION—PROTECTIVE AGENTS

Transformations of "potential radiation protectors" into active protective substances in the animal body. V. G. Iakovlev, Med. rad. 10 no. 6: 47-51 Je '65

## RADIATION—SAFETY MEASURES

Computation of the protection against radiation from accelerators with maximum electron energy up to 30 megavolts. I. P. Korenkov, Med. rad. 10 no. 3: 39-44 Mr '65

Some problems of protection against the bremsstrahlung of  $\beta$ -particles of a series of isotopes used in medicine. V. S. Eliseev, I. P. Korenkov, V. A. Golikov, Med. rad. 10 no. 6: 75-78 My '65

Working conditions of laboratory personnel employing radioactive iodine-131. M. I. Enikeev, Trudy TSU 71: 213-246 '64

## RADIATION-PROTECTIVE AGENTS

Effect of some radioprotective substances on the after-glow of serum albumin solutions. I. I. Sapozhnikov, N. M. Emanuel', Trudy MOIP, Old biol. 21: 122-124 '65

## RADIATION SICKNESS

Changes in the secretory and inhibitory function of the pancreas in acute radiation sickness. A. K. Ezhov, Med. rad. 10 no. 3: 49-57 Mr '65

Effect of cortisone on the development of late reactions in fatally irradiated rats treated with homologous bone marrow. K. A. Lebedev, Probl. endok. i gorm. 10 no. 5: 70-74 S-O '64

Effect of the administration of homologous  $\gamma$ -globulins on the outcome of radiation sickness in animals. V. F. Sosova, Med. rad. 10 no. 2: 54-58 F '65

Effect of ultraviolet irradiation on the course of radiation sickness. T. A. Sviderskaya, Med. rad. 10 no. 2: 59-66 F '65

Experimental two-stage transplantation of allogeneous bone marrow in severe radiation sickness. I. L. Chertkov and others, Med. rad. 10 no. 6: 34-42 Je '65

Giant cells of the bone marrow in acute radiation sickness. E. D. Gol'dberg, D. I. Gol'dberg, Probl. gemat. i pelet. krov. 10 no. 4: 24-30 Ap '65

Khramov, B. M. [Combined radiation-caused lesions] Kombinirovannye luchevye porazheniya, Leningrad, Medgiz, 1959, 341 p. (DNLit)

Problem of using bone marrow suspension in the treatment of radiation sickness combined with influenza. O. P. Lebedeva, Shor. nauch. trud. Inst. infek. bol. no. 4: 110-113 '64

Radiation lesion of medullary hemopoiesis. M. I. Novikova, Med. rad. 10 no. 5: 42-46 Je '65

Reactive processes in the brain during chronic local irradiation. I. N. Dimant and others, Arkh. anat. i hist. embriol. 48 no. 3: 84-90 Mr '65

Therapeutic effectiveness of the transfusion of "re-generating" bone marrow in acute radiation sickness. G. D. Balaegolov, K. N. Klyzhuk, Med. rad. 10 no. 3: 26-30 Mr '65

## RADICALS (CHEMISTRY)

Formation and reactions of free radicals in organosilicon compounds subjected to ultraviolet irradiation. Part 1: Polyphenylmethylsiloxane. E. L. Zhuzhgov, N. N. Bubnov, V. V. Voevodskii, Kina i kat. 6 no. 1: 56-64 Ja-F '65

Luminescence method for studying free radical states. N. A. Kingston, T. G. Mamedov, B. N. Tarasov, Trudy MOIP, Old biol. 21: 107-111 '65

Possible quantitative conformation of radicals linked to the central atom of the element. Part 4: Organoborn compounds. I. I. Lapkin, G. A. Ruzhikova, Zhur. obshch. khim. 33 no. 8: 1083-1088 Je '65

Probable participation of free radicals in the biological processes of energy transfer. V. M. Zholkevich, A. G. Chelverikov, A. A. Rogacheva, Fiziol. rast. 12 no. 2: 193-203 Mr-Ap '65

Radical polymerization of polar monomers under the effect of the triethylaluminum-dicyclohexylperoxydicarbonate system. E. H. Milovskaya, L. V. Zamolskaya, Vysokom. soed. 7 no. 4: 670-673 Ap '65

"Stepwise" recombination of free radicals in irradiated organic substances. Part 2: Formal-kinetic model and a method for evaluation of kinetic constants. A. I. Mikhailov, I. A. S. Lebedev, N. A. Euben, Kina i kat. 6 no. 1: 48-55 Ja-F '65

## RADIO

Brenov, I. V. [Invention of the radio by A. S. Popov] Izobretenie radio A. S. Popovym, Moskva, Sovetskoe radio, 1965, 111 p.

Evaluation of the interference rejection of an adaptive system. G. A. Levin, D. L. Zaitsev, Radiotekhnika 20 no. 4: 66-73 Ap '65

In the A. S. Popov Scientific and Technical Society of Radio and Electronics. Radiotekhnika 20 no. 4: 60 Ap '65

[Radio electronics abroad] Zarub. radioelek. no. 4 Ap '65

Seventieth anniversary of radio communications. I. V. Brenov, Elektrosv. 10 no. 5: 1-6 My '65

Spectrum of a phase keyed signal at the output of an ideal amplitude limiter. N. F. Zluzov, Elektrosv. 10 no. 6: 74-75 Je '65

## RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekhn. i elektrosv. no. 6 Je '65

## RADIO—BIBLIOGRAPHY see Bibliography—Radio

## RADIO—COMPETITIONS

The Columbus Prize for the Soviet radio amateur. Radio no. 3: 6 Mr '65

Wide boost for the finals of Spartakiada. Radio no. 3: 1-2 Mr '65

## RADIO—DICTIONARIES

Gorokhov, P. K., comp. [Russian-German radio engineering dictionary] Russko-nemetskii radiotekhnicheskii slovar'. Izd. 2., 16 pr. Moskva, Sovetskaya Entsiklopediya, 1965, 405 p.

## RADIO—EQUIPMENT AND SUPPLIES

Creative results of the contest "Design suggestions." A. Avtonomov, S. Petrov, Tekh. est. no. 4: 17-18 Ap '65

In foreign countries. Radio no. 3: 47-48 Mr '65

Let's improve the sales of radio equipment. A. Pleshev, Sov. potreb. koop. 9 no. 3: 34-38 Mr '65

## RADIO—INSTALLATION ON SHIPS

Radio electronics and shipbuilding. IU. G. Stepanov, Mor. sbor. 48 no. 6: 71-76 Je '65

## RADIO—INTERFERENCE

Interference rejection of radio broadcast receivers at the power supply end. V. V. Roditi, Elektrosv. 10 no. 5: 36-39 My '65

Structure of an optimal receiver for detecting a local signal source in a field of interfering noise. A. M. Reznik, Radiotekhn. i elektron. 10 no. 6: 979-985 Je '65

Suppression of radio interference in overhead communication lines. V. A. Bolov, V. M. Shushin, Vest. svyazi 25 no. 4: 8-9 Ap '65

## RADIO—NOISE

Effect of a phase modulated reference signal and noise on an automatic phase frequency control system. V. V. Shakhgil'dian, Elektrosv. 10 no. 6: 19-30 Je '65

Noise distribution at the output of an autocorrelating device. IU. S. Lezin, Radiotekhnika 20 no. 3: 60-65 Mr '65

## RADIO—RECEIVERS AND RECEPTION

Amplification losses of antennas during long-distance tropospheric propagation. L. G. Nazarova, Elektrosv. 10 no. 4: 71-75 Ap '65

Effect of fluctuation noise on an FM tracking receiver. L. A. Kantor, Elektrosv. 10 no. 4: 23-30 Ap '65

Kostikov, V. F. [How to build a radio receiver; principles of the design of simple electron-tube receivers] Kak postroiti radiopriemnik, osnovy konstruirovaniya prioslykh lampovykh priemnikov. Moskva, DOSAAF, 1964, 245 p.

Means for constructing detectors with self-optimizing threshold level in receiving systems in radio communication. G. A. Levin, A. M. Bonch-Bruyevich, Elektrosv. 10 no. 5: 7-14 My '65

Stereophonic radio-phonograph combination "Belarus'-52-Stereo." A. Ziger, S. Shkol'nik, Radio no. 3: 32-33 Mr '65

Structure of an optimal receiver for detecting a local signal source in a field of interfering noise. A. M. Reznik, Radiotekhn. i elektron. 10 no. 6: 979-985 Je '65

## RADIO—REPAIRING

Our consultations. Radio no. 3: 63 Mr '65

## RADIO, MILITARY

On the path of trials. N. Prokopiuk, Radio no. 3: 4-5 Mr '65

Radio communications in the Great Patriotic War. Radio no. 3: 3, 5 Mr '65

## RADIO, SHORTWAVE

Let's talk about shortwave radio. IU. Prozorovskii, Radio no. 3: 16 Mr '65

## RADIO, SHORTWAVE—EQUIPMENT AND SUPPLIES

Transistorized shortwave converter. V. Lugovoi, Radio no. 3: 47-50 Mr '65

## RADIO ASTRONOMY

Frequency dependence and time variation of the density ratio of the radiation fluxes from the discrete sources of Cassiopeia-A and Cygnus-A in the decimeter wave band. S. I. Braude, Izv. vyz. ucheb. zav., radiofiz. 8 no. 2: 229-233 '65

Natural or artificial signals? Space radio sources periodically change their flux. V. F. Esipov, Priroda 54 no. 6: 117-118 Je '65

Reduction of radio interferometer taking the transmission band into account. A. Belkay, Izv. vyz. ucheb. zav., radiofiz. 8 no. 2: 244-250 '65

Theory of the radio emission of Venus. A. D. Kuz'min, Izv. vyz. ucheb. zav., radiofiz. 8 no. 1: 7-18 '65

## RADIO CIRCUITS

Accurate analysis of the operation of a linearized device for converting a voltage into a time interval. I. A. S. Itkhoki, Radiotekhnika 20 no. 4: 50-52 Ap '65

Regenerated stage with high stability. V. M. Vol'f, Radiotekhnika 20 no. 3: 16-20 Mr '65

## RADIO CLUBS

Advice to the beginners. N. Kazanski, Radio no. 3: 12 Mr '65

## RADIO COMPASS

From the practice of carrying-out radio deviation work on submarines. A. P. Burashev, V. V. Kostin, Mor. sbor. 47 no. 5: 63-66 My '64

Radio deviation work on submarines. V. A. Mikhail'skii, Mor. sbor. 48 no. 5: 82-83 My '65

## RADIO DETECTORS

Spectrum of a phase keyed signal at the output of an ideal amplitude limiter. N. F. Zluzov, Elektrosv. 10 no. 6: 74-75 Je '65

## RADIO DIRECTION FINDERS

Device for recording the radiation patterns of transmitting antennas from an airplane. E. E. Geln, Vest. svyazi 25 no. 2: 6-8 F '65

## RADIO FREE EUROPE

Division. Janusz Kolczynski. *Oktjabr'* 42 no. 6:182-172 Je '65.

## RADIO IN AERONAUTICS

Advantages of unipolar radio communication. A. Khassanov. *Grazhd. av.* 22 no. 6:21 Je '65.

Meditations at the receiver. V. Krasnov. *Grazhd. av.* 19 no. 6:11 Je '62.

## RADIO IN EDUCATION

Radio in a school. G. Panov. *Nauk. obr.* no. 7:52-54 Ji '65.

## RADIO IN SPORTS

Device for radio contact between the coach and the athlete exercising at a distance. I. A. Vardishvili. D. N. Zandukell, E. M. Levin. *Teor. i prakt. fiz. kul't.* 28 no. 6:70-73 Je '65.

## RADIO INDUSTRY

(see also subdivision under Riga)

Fundamentals of the design of assembling, adjusting and testing processes used in the manufacture of radio systems. P. P. Mesaitsev. *Izv. vys. ucheb. zav. mashinostr.* no. 3:31-37 '65.

## RADIO MEASUREMENTS

Correlators with ideal limiters. I. U. B. Cherniakh. *Radiotekhnika* 20 no. 3:70-77 Mr '65.

Device for recording the radiation patterns of transmitting antennas from an airplane. E. E. Geln. *Vest. svyazi* 25 no. 2:6-8 F '65.

## RADIO OPERATORS

The main thing is the concern for the young. M. Zozulia. *Radio* no. 3:6-9 Mr '65.

A microphone and different bands. I. U. Zhomov. *Radio* no. 3:13 Mr '65.

On the path of trials. N. Prokopluk. *Radio* no. 3:4-5 Mr '65.

Short and ultrashort radio waves. *Radio* no. 3:14 Mr '65.

## RADIO OPERATORS—COMPETITIONS

We are preparing for the finals. N. Tartakovskii. *Radio* no. 3:7 Mr '65.

## RADIO RELAY SYSTEMS

Experience in the operation of radio relay lines. V. N. Semochkin, I. E. Vas'kovskii. *Vest. svyazi* 25 no. 2:22-23 F '65.

Statistical characteristics of random pulse noises at the output of a pulse group selector. F. I. Baraukov. *Radiotekhnika* 20 no. 4:36-44 Ap '65.

## RADIO RESONATORS

Effect of first and second order aberrations on the characteristics of a cavity resonator. V. S. Averbakh, S. N. Vlasov, V. I. Talanov. *Radiotekh. i elektron.* 10 no. 6:1150-1153 Je '65.

Natural oscillations of dielectric cavity resonators. A. N. Oraevskii, V. A. Shcheglov. *Radiotekh. i elektron.* 10 no. 6:1140-1142 Je '65.

Theory of a  $\pi$ -type hollow resonator. I. A. Malinov. *Radiotekhnika* 20 no. 3:9-15 Mr '65.

## RADIO STATIONS see subdivision under Moscow

## RADIO WAVE PROPAGATION

Diffraction characteristics of two-element nonsymmetrical metal grids. L. N. Litvinenko, V. P. Shestopalov. *Radiotekh. i elektron.* 10 no. 6:1131-1134 Je '65.

Krasnushkin, P. E., and N. A. Tablochkina. [Theory of the propagation of ultralong waves] *Teoriya rasprostraneniya sverkhdlugnykh voln*. Ed. 2., stereotipnoe, Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 93 p. (Trudy Gosudarstvennogo Soluzhnogo nauchno-issledovatel'skogo instituta, no. 4(12))

Study of the propagation of a television signal in mountainous areas. V. V. Kuznetsov, V. V. Kisliak. *Elektrosvyaz'* 19 no. 6:78-80 Je '65.

Unusual tropospheric propagation of radio waves. G. Rumanisev, V. Chernyshev. *Radio* no. 3:15 Mr '65.

## RADIO WAVES

Nonresonance radio wave absorption in molecular oxygen. K. S. Stankevich. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 1:89-103 '65.

Radio waves of sonic and infrasonic frequencies. M. Dolukhanov. *Radio* no. 3:17-18 Mr '65.

## RADIOACTIVE PROSPECTING

Determination of the velocity of the distribution of elastic waves from the curves of neutron gamma logging. A. T. Ivankina. *Trudy NVNIIGG* no. 1:129-131 '64.

Interpretation of the apparatus  $\gamma$ -spectra of the natural radiation of rocks for separated determination of the content of elements in the U-Th series and  $K^{40}$ . R. Sh. Kharitonova. *Izv. Kazan. fil. AN SSSR. Ser. geol. nauk* no. 10:117-119 '63.

Possibility of using a luminescence counter for the spectroscopy of the natural  $\gamma$ -radiation of rocks. R. Sh. Kharitonova. *Izv. Kazan. fil. AN SSSR. Ser. geol. nauk* no. 10:120-125 '63.

Some problems of the methods of the radiometric study of wells. V. P. Ivankin. *Trudy NVNIIGG* no. 1:145-163 '64.

## RADIOACTIVE SUBSTANCES

(see also subdivision under Barents Sea)

Continuous measurement of radioactivity during the separation of 535 tagged compounds by gas-liquid chromatography. K. Panek, K. Mudi. *Radiokhimiia* 7 no. 2:246-252 '65.

## RADIOACTIVE SUBSTANCES IN PLANTS see Plants, Radioactive substances in

## RADIOACTIVE SUBSTANCES IN SOILS see Soils, Radioactive substances in

## RADIOACTIVE TRACERS

Determination of capillary permeability by the method of radioactive indication. I. A. Sorochenko, I. U. F. Shcherbak. *Trudy TSU* 71:206-211 '64.

Study of the recombination phenomenon in influenza viruses with the aid of radioactive isotopes. V. M. Zhdanov and others. *Trudy TSU* 71:201-205 '64.

## RADIOARGON DATING

Device for the quantitative determination of radiogenic argon in rocks and minerals. I. U. N. Antonov, E. F. Dol'ntsyn, V. M. Kharovskii. *Geol. i geofiz.* no. 3:175-183 '65.

## RADIOBIOLOGY

Localization of radioactivity in the tissues of guinea pigs following injection of  $C^{11}$ -catechols into the organism. E. F. Shamral, M. N. Zaprometov. *Biokhimiia* 29 no. 4:697-700 Ji-Ag '64.

## RADIOCHEMISTRY

Microchromatographic column with remote control. N. A. Lebedev, N. S. Tolstoi, V. A. Khalkin. *Radiokhimiia* 7 no. 1:115-117 '65.

Radioanalysis of iron ions in sulfuric acid solutions. L. T. Khuan Guan'-lin' (Huang Kuan'-lin), L. T. Bogaenko, Zhur. neorg. khim. 10 no. 4:745-750 Ap '65.

Study of the reaction ( $p, p\gamma$ ) on  $^{116}\text{In}$  by the radiochemical method. V. N. Rybakov, N. S. Mal'tseva. *Radiokhimiia* 7 no. 1:80-85 '65.

Use of ethanol in the isolation of sodium-22 from cycloctron targets. A. S. Zhukovskaia. *Radiokhimiia* 7 no. 1:125-126 '65.

## RADIOCHEMISTRY—CONGRESSES

Vsesoiuznaya nauchno-tekhnicheskaya konferentsiia po primeneniiu radioaktivnykh i stabil'nykh izotopov i izucheniui narodnom khoziaistvu i nauke. 2d. Moscow, 1957. [Isotopes and radiation in chemistry; transactions] *Izotopy i izlucheniia v khimii*; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1958. 380 p.

## RADIOGENETICS

Mitogenetic radiation as chemiluminescence. Interrelation between fluorescence processes and those similar to phosphorescence in living systems. A. A. Gurvich, V. F. Ereemeev. *Trudy MOIP. Otd. biol.* 21:135-141 '65.

## RADIOGRAPHY

Mechanism of some complications in the use of contrast methods in X-ray examinations. N. N. Malinovskii and others. *Vest. rent. i rad.* 39 no. 6:31-39 N-D '64.

Method for detecting on electrophotograms and chromatograms stains of substances absorbing ultraviolet rays in the 254 - 260 m $\mu$  zone (photography in ultraviolet rays). I. U. N. Kasatkina, N. A. Fedorov. *Biul. eksp. biol. i med.* 50 no. 6:121-124 Je '65.

Use of electroradiography in medicine. L. Nalysa, A. Kaminskas, I. P. Varanekas. *Vest. rent. i rad.* 40 no. 1:51-54 Ja-F '65.

## RADIOISOTOPES

Conditions of the recovery of radiophosphine from mixed KCl, CaCl crystals irradiated by high energy protons. R. V. Bogdanov, A. N. Murin. *Zhur. ob. khim.* 35 no. 5:816-823 My '65.

Effect of the pH of the impregnating solution on the track length of the  $\alpha$ -particle in the nuclear photographic emulsion. K. B. Zahorenko, V. I. Korobkov. *Radiokhimiia* 7 no. 1:128-128 '65.

Investigations of some processes of fine purification of cobalt salts using radioisotopes. G. I. Gorsheln, G. A. Kumaneva, I. A. Kiforova. *Trudy IREA* no. 25:104-122 '63.

Testing the scintillation counter designed by the Central Scientific Research and Design Institute for Fuel Systems of Motortruck, Tractor, and Stationary Engines for studying the wearing out of engine parts using radioisotopes. V. V. Dolbin. *Zap. Len. sei'khov. inst.* 85:74-81 '61.

## RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Devices using radioisotopes. *Prom. energ.* 20 no. 3:48 Mr '65.

## RADIOLOGY, INDUSTRIAL

Standards for defect exposure in X-ray and gamma-ray testing. M. I. A. Bala-zovskii. *Defektoskopiia* no. 1:57-71 '65.

## RADIOLOGY, MEDICAL

(see also subdivision under Kirov Province, Lithuania) Ovoschinnikov, M. S. [New apparatus and methods of roentgenological examination] *Novye apparaty i metody rentgenologicheskogo issledovaniia*. Kiev, Gosmedizdat USSR, 1962. 320 p. (DNM)

State of and prospects for further development and improvement of radiologic service in the country. V. A. Semenov, T. S. Seletskina. *Med. rad.* 10 no. 3:7-7 Mr '65.

X-ray archives in a therapeutic institution of the Japanese type. T. G. Pishkovich. *Vest. rent. i rad.* 40 no. 2:52-51 Mr-Ap '65.

## RADIOLOGY, MEDICAL—CONGRESSES

8th All-Union Congress of Roentgenologists and Radiologists. I. U. G. Elashov and others. *Med. rad.* 10 no. 2:80-94 F '65.

Second Hungarian Radiological Congress. K. H. Tikhonov, I. A. Teregin, N. K. Sviridov. *Vest. rent. i rad.* 39 no. 6:76-83 N-D '64.

## RADIOLOGY, MEDICAL—EQUIPMENT AND SUPPLIES

Experimental device for chronic irradiation of animals. I. A. Gamaeva, Sh. M. Salimov. *Med. rad.* 10 no. 3:81-82 Mi '65.

## RADIOLOGY, MEDICAL—STUDY AND TEACHING

Method for teaching radioisotope diagnosis to students of medical institutes. Z. I. Akimovich, L. V. Novikova, L. A. Udin. *Med. rad.* 10 no. 3:41-40 Mi '65. Training specialists in the use of radioisotopes in experimental and clinical medicine in the Department of Medical Radiology. V. K. Modestov, D. S. Silchinskii. *Trudy TSU* 71:3-9 '64.

## RADIOMETER

Self-recording pocket radiometer for studying the state of thyroid function. A. A. Agafontsev. *Med. rad.* 10 no. 3:73-78 Mi '65.

## RADIOMETRY

(see also subdivision under Kirov Region Basin)

Computation of the protection against radiation from accelerators with maximum electron energy up to 30 megavolts. I. P. Kozlov. *Med. rad.* 10 no. 3:30-44 Mi '65.

Determination of microquantities of cobalt using radiometric titration and electroplating. I. G. Shafren, I. A. Strotina. *Trudy IREA* no. 25:244-248 '63.

Determination of radiation characteristics based on two simultaneously measured values. A. N. Krongauz, V. K. Lapidovskii, A. A. Tikhov. *Med. rad.* 10 no. 6:70-82 Je '65.

Dosage computation in the irradiation of lungs with radioactive particles. A. V. Bykhovskii, O. M. Zaitsev. *Med. rad.* 10 no. 3:31-30 Mi '65.

Electrometric device for measuring the integral absorbed energy of X-ray and  $\gamma$ -radiation. N. G. Iushchenko. *Med. rad.* 10 no. 6:83-85 Je '65.

Method for the determination of  $C^{137}$  in bone tissue. M. M. Golovina and others. *Med. rad.* 10 no. 3:78-80 Mi '65.

## RADIOMETRY—EQUIPMENT AND SUPPLIES

Stand for the fixation of rate on a gamma-counter for the determination of the thyroid absorption of radioactive iodine. I. I. Silvatko. *Probl. endok. i gorm.* 10 no. 4:11-11-Ag '64.

## RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

## RADIOTELEGRAPHY

Distortion of radiotelegraphy signals with phase keying due to Doppler effect. N. M. Karabin. *Elektrosvyaz'* 19 no. 5:77-87 My '65.

Modulation and relative phase telegraphy. A. I. Korobovskii. *Radiotekhnika* 20 no. 4:78-79 Ap '65.

Remarks on A. I. Korobovskii's article "Modulation and relative phase telegraphy." G. P. Divnogorov. *Radiotekhnika* 20 no. 4:70 Ap '65.

## RADIOTELEPHONE

Ostriakov's letter to Lenin. B. S. Grigor'ev. *Vest. svyazi* 25 no. 4:30-32 Ap '65.

## RADIOTELEPHONE—NOISE

Use of a system of parallel operating resonators in the suppression of impulse noise in radiotelephony. A. P. Zelenin. *Elektrosvyaz'* 19 no. 5:16-10 My '65.

## RADIOTHERAPY

Calculation of doses in intracavitary treatment of cancer of the uterus with radioactive preparations using a rectangular coordinate system. A. A. Stankevich. *Vop. onk.* 11 no. 1:80-108 '65.

## RADIOTHERAPY (Continued)

- Changes in the activity of cholinesterase in the blood serum in patients with cancer during the period of radiotherapy. N. N. Mazovskiy. Med. rad. 10 no. 2 12-13 F '65.
- Effect of acclimatization to hypoxia on the growth and radiosensitivity of rat lymphoma cells. G. A. Vasiliev and others. Med. rad. 10 no. 2 35-40 F '65.
- Introduction of radioactive colloidal solutions of Au<sup>198</sup>, P<sup>32</sup> and Ag<sup>111</sup> into the lymphatic vessels. N. F. Tarasov. Med. rad. 10 no. 5 61-66 My '65.
- Radiotherapy in chronic myeloid leukemia. V. I. Krut'ko. Med. rad. 10 no. 3 21-26 Mi '65.
- Results of radiotherapy in cancer of the esophagus. I. A. Pereslegin, A. I. Brankov. Med. rad. 10 no. 5; 3-8 My '65.
- Incidentological observations in radiotherapy in cancer of the rectum. N. U. Shniger. Vop. onk. 11 no. 1-16 21 '65.
- State of blood serum proteins in patients with malignant neoplasms before and after radiotherapy. O. N. Nikonova, A. V. Popov. Med. rad. 10 no. 2 13-16 F '65.

## RADIOTHERAPY—COMPLICATIONS AND SEQUELAE

- Effect of radiotherapy on the content of intestinal cozymes (enterokinase and alkaline phosphatase) in the duodenal juice and excrements. I. T. Abasov. Med. rad. 10 no. 2 5-11 F '65.
- Late changes in the urinary bladder following radiation therapy for cancer of the cervix uteri. V. D. Lazurkina, S. I. A. Sarnetskaia, N. V. Grigor'eva. Vest. rent. i rad. 40 no. 2 47-52 Mr-Apr '65.
- Late radiation injury of the rectum diagnosed erroneously as recurring cancer. A. P. Koshman. Med. rad. 10 no. 5 60-61 My '65.
- Malignant degeneration of benign tumors of the bones and fibrous osteodysplasia following X-ray therapy. L. A. Dunaev. Med. rad. 10 no. 5 30-35 My '65.

## RADIOTHERAPY—EQUIPMENT AND SUPPLIES

- Use of a plaster bandage in measuring the cross section of the body in radiotherapy. S. S. Kulikov. Vop. onk. 11 no. 3 113-114 '65.

## RADISHCHEV, ALEXANDR NIKOLAEVICH, 1740-1802

- The court trial of A. N. Radishchev. V. Goldiner. Sov. iust. 29 no. 11 21-22 Je '65.

## RADIUM COMPOUNDS

- Physicochemical study of some radium compounds. Part I. Ionic refraction of radium. V. M. Vdovenko, I. U. V. Dubasov. Radiokhimiya 7 no. 2 211-220 '65.

## RADIUS—CANCER

- Case of an angiosarcoma of the radius. D. Sh. Nakhamkes. Vest. rent. i rad. 40 no. 2 61-62 Mi-Apr '65.

## RAILS

- length log bundles) Volnovostoiichivye stary i vygruzka khylovoykh puchkov, Moskva, 1964. 20 p. (Laso-ekspluatatsiya) [MICROFILM]

## RAILLIETINA

- Therapy of ascaridiasis and raillietiasis in chickens. N. M. Shchirnov. Veterinarika 42 no. 5 65-68 My '65.

## RAILROAD BRIDGES

- Reinforced concrete 55 m. span with continuous trusses for a railroad load. K. K. Iakobson, V. P. Ustinov. Del. i zhel.-bet. 11 no. 6 31-33 Je '65.

- Savin, K. D. [Railroad engineering structures] Iskusstvennyye sooruzheniya zheleznnykh dorog. Izd. 2., perer. Moskva, Transport, 1965. 223 p.

## RAILROAD BRIDGES—DESIGN AND CONSTRUCTION

- New experimental data on the dynamic parameters of reinforced concrete arched bridges. G. N. Karisvadze, I. E. Blus, B. I. Dzheharadze. Trudy GPI [Gruz.] no. 7 55-60 '63.

## RAILROAD BRIDGES—MAINTENANCE AND REPAIR

- Device for measuring roller incline. K. F. Stavropol'shev. Put' i put. khoz. 9 no. 3 17 '65.
- Exchange of waterproofing. A. F. Bormotin. Put' i put. khoz. 9 no. 3 23 '65.
- Suitable preparation is a guarantee for success. N. A. Lankov. Put' i put. khoz. 9 no. 3 25 '65.

## RAILROAD CONSTRUCTION WORKERS

- They electrified the Karaganda - Teelinograd railroad line. G. S. Bershteyn. Transp. stroit. 15 no. 4 20-31 Ap '65.

## RAILROAD ENGINEERING

- Bringing forth the economic advantages of the application of measures for the elimination of the inadmissible overheating of the traction motors of electric locomotives. G. D. TSiskarishvili. Trudy GPI [Gruz.] no. 7 161-173 '63.

- Determining the maximum ruling gradient in sections with artificial development of the route. A. F. Koniashev. Trudy GPI [Gruz.] no. 7 99-97 '63.
- Devices for the reinforcement of the foundations of the structures for shore protection against washouts. M. A. Khodzhashvili. Trudy GPI [Gruz.] no. 7 145-152 '63.
- Savin, K. D. [Railroad engineering structures] Iskusstvennyye sooruzheniya zheleznnykh dorog. Izd. 2., perer. Moskva, Transport, 1965. 223 p.
- Zaitsev, P. F., ed. [Problems in designing and planning railroads] Voprosy proektirovaniya zheleznnykh dorog. Moskva, Transport, 1965. 94 p.

## RAILROAD ENGINEERING—STUDY AND TEACHING see subdivision under Moscow

## RAILROAD LAW

- Practice in supervising law observance in transportation. A. Fedoseev, N. Abo. Sots. zakon. 42 no. 5 82-84 Je '65.

## RAILROAD RESEARCH

- Experimental gas-turbine train. Zhel. dor. transp. 47 no. 5 82-83 My '65.

## RAILROADS

- (see also subdivision under Siberia, Western)
- Railroad news. Zhel. dor. transp. 47 no. 5 96 My '65.

## RAILROADS—ABSTRACTS

- [Railroad transportation] Ref. zhur. [Zhel. dor. transp. Predmetnyi ukazatel'] za 1964 g.

## RAILROADS—ACCIDENTS

- Porkshelan, O. Kh. [Medical expertize in railroad accidents] Sudbomeditsinskaya ekspertiza pri zhelezno-dorozhnykh proisshestviyakh. Moskva, Meditsina, 1965. 150 p.

- Recovery of damages caused by injuries to health in railway transportation. A. Konashin. Sots. zakon. 42 no. 6 12-44 Je '65.

## RAILROADS—ACCOUNTING

- Improve business accounting. N. I. Shkurat. Put' i put. khoz. 9 no. 3 20 '65.
- Our proposals. B. P. Bredin. Put' i put. khoz. 9 no. 6 10-20 '65.
- Supplement the indices with more details. I. V. Zherebtsov. Put' i put. khoz. 9 no. 6 21 '65.

## RAILROADS—AUTOMATIC TRAIN CONTROL

- Developing automatic control of trains. I. S. Sokolov, M. L. Semerik. Gory. khoz. Mosk. 30 no. 4 27-29 Ap '65.

## RAILROADS—BRAKES

- Brake shoes made from a composition material and the characteristics of their operation on trains. L. A. Vukolov. Elek. i tsipl. tsipl. 9 no. 1 20-31 Ap '65.
- Causes of the nonuniform wear of wheels in braking with composition brake shoes. T. V. Larin, V. P. Deviatkin. Zhel. dor. transp. 47 no. 4 81-84 Ap '65.
- Krylov, V. I., A. N. Polov, and A. K. Ozolin. [Manual on brakes] Spravochnik po formozam. Izd. 2. Moskva, Transport, 1965. 509 p.

## RAILROADS—BUILDING AND STRUCTURES

- Selecting the optimum types of structures for flood water passage. D. D. Kokoshvili. Trudy GPI [Gruz.] no. 7: 77-88 '63.

## RAILROADS—CARS—AIR CONDITIONING

- Introduction of electric heating and air conditioning in passenger cars. Zhel. dor. transp. 47 no. 6 78-80 Je '65.

## RAILROADS—CARS—HEATING AND VENTILATION

- Introduction of electric heating and air conditioning in passenger cars. Zhel. dor. transp. 47 no. 6 79-80 Je '65.

## RAILROADS—CARS—MAINTENANCE AND REPAIR

- Progressive technology of the operations in the technical car inspection point. A. M. Nozhevnikov, B. M. Charnina, Z. O. Kuperman. Zhel. dor. transp. 47 no. 5 36-43 My '65.

## RAILROADS—CARS—PARTS

- Reliability and life of spare parts. F. M. Vorob'ev. Zhel. dor. transp. 47 no. 5 50-54 My '65.

## RAILROADS—COMMUNICATION SYSTEMS

- Comparative technical and economic indices of the radio-relay and cable communication lines. D. A. Bunin. Zhel. dor. transp. 47 no. 5 64-67 My '65.
- Permissible error level in the transmission of information. G. M. Kut'yev. Vest. TSNII MPS 24 no. 1 61-64 '65.

## RAILROADS—COMMUTING TRAFFIC

- Zonal nonparallel train sheets. A. P. Artyunov. Vest. TSNII MPS 24 no. 1 53-55 '65.

## RAILROADS—DESIGN AND CONSTRUCTION

- (see also subdivision under Siberia, Western)
- Excavating by large-scale blasting. E. P. Alekseev. Transp. stroit. 15 no. 4 4-6 Ap '65.

## RAILROADS—DESIGN AND CONSTRUCTION—SCHEDULING

- Organization of operations according to a network graph. R. A. Grigor'yan, B. N. Tsvetkov. Transp. stroit. 15 no. 4 3-4 Ap '65.

## RAILROADS—ELECTRIC EQUIPMENT—BIBLIOGRAPHY see Bibliography—Railroads—Electric equipment

## RAILROADS—ELECTRIFICATION

- Efficiency of complex electrification. V. N. Davydov. Zhel. dor. transp. 47 no. 5 57-61 My '65.
- Speed up the electrification of transportation. Zhel. dor. transp. 47 no. 5 81-82 My '65.

## RAILROADS—ELECTRONIC EQUIPMENT

- Bukhgal'ts, V. P. [Circuit track pickups for automatic control in rail transportation] Putevye datchiki avtomaticheskogo kontrolya na rel'sovom transporte. Moskva, Energiya, 1965. 78 p. (Biblioteka po avtomatike, no. 137)

## RAILROADS—EMPLOYEES

- (see also subdivision under Caucasus, Northern)
- Capable organizer and thoughtful commander. E. I. Dvator. Put' i put. khoz. 9 no. 3 20 '65.
- Dmitriyevskii, V. A., and I. T. Shishov. [The rails adhere] Rel'sy v ogne. [Moskva] Moskovskii rabochii, 1965. 149 p.
- Effectiveness of work time callsthenes for railroad dispatchers. G. K. Borisov. Teori i prakt. fiz. kul't. 28 no. 6 51-54 Je '65.
- Heroic deed of Soviet railroaders. A. G. Naporko. Zhel. dor. transp. 47 no. 5 7-12 My '65.
- We improve our living conditions. N. A. Lutschik. Put' i put. khoz. 9 no. 3 16 '65.

## RAILROADS—EMPLOYEES—DISEASES AND HYGIENE

- Effectiveness of work time callsthenes for railroad dispatchers. G. K. Borisov. Teori i prakt. fiz. kul't. 28 no. 6 51-54 Je '65.
- Safety engineering in the division. L. A. Baranova, B. V. Mel'nikov. Put' i put. khoz. 9 no. 6 11-12 '65.

## RAILROADS—EQUIPMENT AND SUPPLIES

- Mechanized divisions for loading and unloading operations. Zhel. dor. transp. 47 no. 6 88-89 Je '65.
- New equipment and techniques for the mechanization of loading and unloading operations. V. A. Drobyshevskii. Zhel. dor. transp. 47 no. 6 89-90 Je '65.

## RAILROADS—FINANCE

- The fictitious joint stock companies in Russia, 1860-1870, assets of the Ryazan-Kozlov Railroad. V. M. Liakovskii. Ist. zap. 76 276-281 '65.
- Determining the efficiency of capital investments. P. A. Lugovoi. Zhel. dor. transp. 47 no. 6 72-75 Je '65.
- Profit and the material stimulation of railroad workers. A. V. Orlov. Zhel. dor. transp. 47 no. 4 70-73 Ap '65.
- Use economically the material resources. Zhel. dor. transp. 47 no. 4 81 Ap '65.

## RAILROADS—FREIGHT

- (see also subdivision under Rostov-on-Don; Ural Mountain region)
- Base load stations and the servicing of agriculture. M. G. Balaev. Zhel. dor. transp. 47 no. 4 27-29 Ap '65.
- Base stations and specialized unloading points. G. S. Dvator. Zhel. dor. transp. 47 no. 6 30-32 Je '65.
- Cars should be loaded to their full capacity. K. N. Malakhov. Zhel. dor. transp. 47 no. 4 13-18 Ap '65.
- Compact loading of large freight units. N. I. Astaf'ev, S. M. Litinskii. Zhel. dor. transp. 47 no. 6 37-38 Je '65.
- Determination of the economic advantages of concentrating freight operations at a lesser number of stations. I. U. N. Tikhonchuk. Zhel. dor. transp. 47 no. 4 74-78 Ap '65.
- Introduce advanced technology in the operation of freight terminals. I. A. F. Gulev. Zhel. dor. transp. 47 no. 5: 22-26 My '65.
- Mechanized divisions for loading and unloading operations. Zhel. dor. transp. 47 no. 6 88-89 Je '65.
- New crops and tasks of railroaders. S. F. Nachuchenko. Zhel. dor. transp. 47 no. 6 3-8 Je '65.
- New developments in the organization of the operations of a freight terminal. I. T. Pogrebnoi. Zhel. dor. transp. 47 no. 5 25-30 My '65.
- Strengthening of the freight facilities of railroads. G. I. Golovchenko. Zhel. dor. transp. 47 no. 5 30-32 My '65.





## RAILROADS—TRACK

- About one sided heaving. N. M. Kozhechkin, I. A. Prokofev. Put' i put, khoz. 9 no. 3:33-34 '65.
- Comparing the efficiency of the methods to meet the requirements of traffic volume on double-track lines. A. M. Makarochkin. Trudy MII no. 203:122-131 '65.
- Efficient arrangement of station necks. V. M. Gurgendze, L. R. Bolakchev. Trudy GPI (Gruz.) no. 7:29-30 '63.
- Efficiency of the various methods for staged reconstruction of single-track lines into double-track lines. V. S. Plavov. Trudy MII no. 203:133-145 '65.
- Longitudinal forces in a continuous rail track during repair. V. I. Novakovich. Vest. TSNII MPS 24 no. 1:14-18 '65.
- New organization of track repair. S. V. Tormazov. Put' i put, khoz. 9 no. 3:31-32 '65.
- Organization of nonstop train bypassing on the insets of auxiliary main tracks. A. D. Cherniugov. Vest. TSNII MPS 21 no. 1:56-58 '65.
- Potentials in the management of track operation, maintenance and repair. P. P. Tukanov. Put' i put, khoz. 9 no. 3:2-5 '65.
- Purpose of tolerance in gauge maintenance. S. P. Peralin. Put' i put, khoz. 9 no. 6:37-38 '65.
- Reducing the longitudinal stresses in the train by smoothing the track profile. V. A. Denisov. Vest. TSNII MPS 24 no. 1:48-49 '65.
- Track work. G. I. Razin. Gor. khoz. Mosk. 39 no. 4:32-34 Ap '65.
- Traction and power characteristics on various track grading taking the train inertia into account. K. K. Tikhonov. Trudy MII no. 203:144-152 '65.

## RAILROADS—TRAFFIC

- Basic principles in the plotting of an efficient network system for the traffic of long-distance passenger trains. V. V. Klugman. Trudy MII no. 203:162-188 '65.
- Comparing the efficiency of the methods to meet the requirements of traffic volume on double-track lines. A. M. Makarochkin. Trudy MII no. 203:122-131 '65.
- Designating permanent basic train paths in the train sheet. I. B. Solnikov. Trudy MII no. 203:103-121 '65.
- Fast-freight trains and the train sheet. I. B. Solnikov, N. A. Samarina. Zhel. dor. transp. 47 no. 4:28-32 Ap '65.
- New train sheet for freight trains. Zhel. dor. transp. 47 no. 5:79-80 My '65.
- Organization of nonstop train bypassing on the insets of auxiliary main tracks. A. D. Cherniugov. Vest. TSNII MPS 24 no. 1:56-58 '65.
- Organization of track and construction work during combined traffic intervals. P. T. Somosheko, A. A. Inozemisev, E. M. Vigdergauz. Zhel. dor. transp. 47 no. 5:44-48 My '65.
- Simultaneous selection of the optimum plan for the dispatching and technical routing of car flows. N. E. Borovoi. Trudy MII no. 203:16-20 '65.
- Traffic organization of local freight transfer trains at junction stations. I. U. T. Timokhin. Zhel. dor. transp. 47 no. 4:31-35 Ap '65.

## RAILROADS—TRAIN DISPATCHING

- Improved conditions of the work of dispatchers. G. A. Platonov. Zhel. dor. transp. 47 no. 6:33-35 Je '65.
- Planning the work of the train dispatching staff in a section. M. I. Kuzenko. Zhel. dor. transp. 47 no. 4:32-34 Ap '65.

## RAILROADS—TRAIN LOAD

- Characteristics of the traction properties of modern locomotives and the inertia calculations of train weights. D. A. Okhannashvili. Trudy GPI (Gruz.) no. 7:129-134 '63.

## RAILROADS—TRAIN SPEED

- Possibilities of increasing the traffic speed on railroads. Zhel. dor. transp. 47 no. 4:84-85 Ap '65.
- Prospects for a further speed increase in the traffic of freight trains. N. V. Kolodyazhnyi. Zhel. dor. transp. 47 no. 4:3-7 Ap '65.

## RAILROADS—TRAINS—DYNAMICS

- Reducing the longitudinal stresses in the train by smoothing the track profile. V. A. Denisov. Vest. TSNII MPS 24 no. 1:48-49 '65.

## RAILROADS, INDUSTRIAL

- Efficiency of the new technological equipment and procedures on industrial railroads. V. I. Balch, I. A. P. Grinenko. Trudy MII no. 203:199-208 '65.

## RAILROADS, INDUSTRIAL—ELECTRIFICATION

- Electrification of industrial railroads. E. A. Khokhlov. Zhel. dor. transp. 47 no. 6:81-84 Je '65.

## RAILROADS, INDUSTRIAL—RAILS

- Type of rails for industrial tracks. M. A. Frishman, K. D. Belykh, I. U. D. Volosheko. Put' i put, khoz. 9 no. 3:9-10 '65.

## RAIN AND RAINFALL—MAPS

- Method for plotting maps of rain precipitation energy, and their use in geomorphological analysis. N. P. Matveev. Uch. zap. MOPI 124:131-157 '63.

## RAISINS

- Effect of gibberellin on seedless grape varieties and their products. K. V. Smirnov, E. P. Perepelitsayna. Fiziol. rast. 12 no. 2:306-312 Mr-Apr '65.

## RAMAN EFFECT

- Stimulated Raman scattering of certain substances. M. E. Movsesian. Zh. O. Ninoian, L. T. Badalian. Dokl. AN Arm. SSR 40 no. 4:205-207 '65.
- Temperature dependence of the intensity of the Raman spectrum of the second order in NaCl crystals. T. I. Maksimova, A. I. Stepanov, E. V. Chlaster. Fiz. tver. tela 7 no. 6:1881-1883 Je '65.
- Vibrational spectra of organoarsenic compounds. Report No. 2; Raman spectra of ethers and acid chlorides of trivalent arsenic. R. R. Shaghdullin, T. E. Pavlova. Izv. AN SSSR. Ser. khim. no. 6:995-998 '65.

## RANDOM PROCESSES

- Asymptotic distribution of statistics related to the estimation of the spectrum of a stationary process. T. L. Malevich. Teor. verol. i mat. stat. no. 1:77-80 '64.
- Calculation of the likelihood relation for Gaussian processes with a rational spectrum. V. F. Pisarenko. Teor. verol. i mat. stat. no. 2:323-328 '65.
- Conservative methods for the representation of random processes. A. V. Skorokhod. Usp. mat. nauk 20 no. 3:87-87 My-Je '65.
- Evaluation of the mathematical expectation and dispersion of a random process. N. I. Golubov. Radiotekhnika 20 no. 4:21-26 Ap '65.
- First passage time for one class of processes with independent increments. A. A. Borovkov. Teor. verol. i mat. stat. no. 2:360-364 '65.
- Local properties of processes with independent increments. E. S. Shattand. Teor. verol. i mat. stat. no. 2:344-350 '65.
- On the maximum in a Gaussian stationary process. M. G. Shur. Teor. verol. i mat. stat. no. 2:386-389 '65.
- Proof of Jung's geometrical theorem and its analog in the theory of stochastic processes. T. A. Timan. Usp. mat. nauk 20 no. 3:213-218 My-Je '65.

## RAVENSKAIA, FAINA GRIGOR'EVNA, 1896-

- Actress of all the people. D. A. Andronikov. Teatr. 26 no. 6:106-108 Je '65.

## RARE AND MINOR METALS see Metals, Rare and minor

## RARE-EARTH CHLORIDES

- Reaction of gadolinium and dysprosium chlorides with sodium and potassium chlorides in melts. B. G. Korshunov, D. V. Drohot. Zhur. neorg. khim. 10 no. 4:933-942 Ap '65.

## RARE-EARTH COMPOUNDS

- Complex compounds of rare-earth elements with 1,10-phenanthroline. N. I. Lobanov, V. A. Smirnova. Zhur. neorg. khim. 10 no. 4:840-843 Ap '65.
- Complex formation of B. hydroxyethyliminodiacetic acid with rare-earth elements. N. M. Dlatova and others. Zhur. neorg. khim. 10 no. 5:131-137 My '65.
- Constants of acidic dissociation of rare-earth gluconates. N. A. Kostromina. Zhur. neorg. khim. 10 no. 6:1369-1373 Je '65.
- Perchlorates of rare-earth elements. M. M. Bel'kova, L. A. Alekseenko. Zhur. neorg. khim. 10 no. 6:1374-1378 Je '65.
- Thermochemistry of the complex formation of some ions of rare-earth elements and yttrium with ethylenediaminetetraacetate. V. A. Korobova, G. A. Prik. Zhur. neorg. khim. 10 no. 4:844-852 Ap '65.

## RARE-EARTH FERRITES—MAGNETIC PROPERTIES

- Magnetostriction in rare-earth ferrites-garnets at low temperatures. K. P. Belov, V. I. Sokolov. Zhur. eksp. i teor. fiz. 48 no. 3:979-980 Mr '65.

## RARE EARTH FLUORIDES

- Use of the nuclear magnetic resonance method in studying trifluorides of rare earth elements of the cerium group. E. A. Baturina, I. A. Luk'inychev, O. T. Mal'uchkov. Fiz. tver. tela 7 no. 6:1892-1894 Je '65.

## RARE-EARTH METALS

- Heavy lanthanide formates. L. P. Shklover and others. Zhur. neorg. khim. 10 no. 5:121-125 My '65.
- Reduction of rare-earth metals. N. M. Dlatova, O. I. Lavrova. Trudy IRDA no. 25:289-302 '63.

## RARE-EARTH NIOBATES

- Orthoniobates of yttrium subgroup elements. V. N. Sanatina, E. I. Krylov. Izv. AN SSSR. Neorg. mat. 1 no. 3:389-392 Mr '65.

## RARE-EARTH PYROPHOSPHATES

- Samarium pyrophosphates. I. V. Tananaev, G. V. Shevchenko. Izv. AN SSSR. Neorg. mat. 1 no. 3:389-373 Mr '65.

## RARE-EARTH SELENITES

- Production of rare-earth selenides by the reduction of selenites. L. I. A. Markovskii, M. S. Soboleva, I. U. P. Sapozhnikov. Zhur. prikl. khim. 38 no. 4:717-720 Ap '65.

## RARE-EARTH SULFATES—THERMAL PROPERTIES

- Thermal properties of double sodium sulfates of certain rare-earth elements of the cerium subgroup. L. L. Zaitseva and others. Zhur. neorg. khim. 10 no. 6:1441-1448 Je '65.

## RARE EARTHS

- Catalytic properties of rare-earth elements in the conversion of n-butane. Kh. M. Minachev, I. U. S. Khodakov. Kin. i kat. 6 no. 1:89-94 Ja-F '65.
- Catalytical properties of rare-earth oxides in hydrogen oxidation. T. T. Bakumenko. Kin. i kat. 6 no. 1:74-81 Ja-F '65.
- Complete thermodynamic characteristic of electrode processes involving rare-earth and actinide elements. G. A. Krestov. Radiokhimiya 7 no. 1:66-78 '65.
- Reaction of sodium metaphosphate with cerium, neodymium, and samarium oxides. S. I. Berai, N. K. Voskresenskaya. Zhur. neorg. khim. 10 no. 5:110-1120 My '65.
- Reaction of thorium and rare-earth elements with tartaric acid when present together. O. E. Zviagintsev, V. P. Tikhonov. Zhur. neorg. khim. 10 no. 4:984-995 Ap '65.

## RATE OF CHEMICAL REACTION see Chemical reaction, Rate of

## RAUZER-CHERNOUSOVA, DAGMARA MAKSIMILIANOVNA

- New group of Lenin Prize laureates; studying the foraminifer shells. A. L. Anshin. Priroda 54 no. 6:2-5 Je '65.

## RAVA-RUSSKAYA REGION—ROCKS, SILICEOUS

- Upper Cretaceous siliceous rocks in the surroundings of Rava-Russkaya. D. V. Huzhii, V. I. Koltun. Geol. zhur. 25 no. 2:57-63 '65.

## RAVEL, MAURICE, 1875-1937

- A talk about Ravel. Francis Poulenc. Sov. muz. 29 no. 3:78-82 Mr '65.
- Understanding our contemporaries. G. T. Sytin. Sov. muz. 29 no. 3:74-78 Mr '65.

## RAVENSIIKH, BORIS IVANOVICH

- In the genre of an epic. I. Mikhailova. Teatr. 26 no. 6:29-35 Je '65.

## RAVICH-BIRGER, ELENA DAVIDOVNA, 1895-

- Elena Davidovna Ravich-Birger; on her 70th birthday. Zhur. mikrobiol. epid. i immun. 42 no. 3:157 Mr '65.

## RAW MATERIALS—PRICES

- Some tendencies in the movement of prices for raw commodities. P. Khvoink, Vnesh. torg. 45 no. 6:27-32 '65.

## RAYON—TESTING

- Determining the density of triacetate fibers. L. P. Perepechkin, L. V. Mironova. Khim. volok. no. 2:43-44 '65.
- Studying the deformation of viscous fibers. A. N. Kozlova, A. I. Petrusheva, V. A. Beresnev. Khim. volok. no. 2:54-55 '65.

## READING (ELEMENTARY)

- Working on the expressiveness of reading. T. V. Ermilova. Nech. shkola 33 no. 4:31-34 Ap '65.

## READING, PSYCHOLOGY OF

- Comprehension of a text in case of limited knowledge of the vocabulary. R. M. Frumkina. NII no. 4:44-48 '65.

## REALISM IN LITERATURE

- Clarity of a position. R. Samarin. Vop. lit. 9 no. 3:190-194 Mr '65.

- Sheherbina, V. R. [Realism and modernism; the 20th century and the paths of artistic progress] Realizm i modernizm, XX vek i puti khudozhestvennogo progressa. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke, tekhnike, VI Seria; Literatura i iskusstvo, no. 10)

## REAMERS

- Movable draw-in countersink. V. P. Kiselev. Mashino-stroenie no. 2:33-34 Mr-Apr '65.

## REASONING (PSYCHOLOGY)

- Development of intellectual operations in the course of problem solving by schoolchildren. S. A. Zhekulina. Vop. psikhol. 11 no. 2:79-80 Mr-Apr '65.

## RECEPTIONISTS

- Senior receptionist consultant. E. Kuznetsov. Sov. iust. 29 no. 11:19-20 Je '65.

## RECEPTORS (NEUROLOGY)

- Akademika nauk Azerbaidzhanской SSR, Baku. Sektor fiziologii. [Problems of internal reception and physiologically active substances]. Voprosy vnutrennei reitsepsii i fiziologicheski aktivnykh veshchestv. Baku, Izd-vo Akad. nauk Azerbaidzhanской SSR, 1965. 126 p.

## 2472

## REFRIGERATION AND REFRIGERATING MACHINERY (Continued)

- Determining the needed amount of Freon for charging binary-cooler system single-evaporator refrigerating plants. I. A. N. Lashin. *Khol. tekhn.* 12 no. 1 38-39 Ja-F '65.
- Freezing-out of carbon dioxide in the regenerator and freeze-out apparatus of the BR-6 plant developed by the All-Union Scientific Research Institute of Industrial Oxygen Apparatus Construction. G. V. Vasilenko, I. N. Matzel's. *Trudy VNIIMASH* no. 9 56-74 '65.
- Hermetically enclosed labyrinth pump for refrigerants. A. B. Barenholm, B. A. Minkus, F. A. Vasil'tsov. *Khol. tekhn.* 12 no. 1 23-26 Ja-F '65.
- Large compressors with opposite arrangement of cylinders for the chemical and petroleum processing industries. F. S. Gurevich and others. *Khol. tekhn.* 12 no. 1 8-12 Ja-F '65.
- Nomogram for determining the basic parameters of piston compressors without crosshead. E. V. Iakobson. *Khol. tekhn.* 12 no. 1 75-77 Ja-F '65.
- Piping systems in refrigerating machinery. M. E. Lurie. *Khol. tekhn.* 12 no. 1 44-46 Ja-F '65.
- Refrigerating machinery industry at the service of the industrial chemistry. H. V. Pavlov. *Khol. tekhn.* 42 no. 1 1-1 Ja-F '65.
- Results of the testing of 10 continocompressor refrigerating machines. E. Z. Bakhit and others. *Khol. tekhn.* 12 no. 1 13-19 Ja-F '65.
- Turbocompressor refrigerating machines. V. K. Mishuk. *Mor. zhur.* 48 no. 5 88-89 My '65.
- Use of refrigeration in the production of synthetic rubber. L. V. Lopatin, N. I. Kertaman. *Khol. tekhn.* 12 no. 1 5-8 Ja-F '65.
- Veinberg, B. S.** [Piston compressors of refrigerating machines] *Poshneye kompressory kholodil'nykh mashin*. Ed. 2., perer. i dop. Moskva, Mashinostroyeniye, 1965, 354 p.

## REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] *Ref zhur. Khim. i khol. mashinost.* nos. 5-6 My-Je '65.

## REFRIGERATION AND REFRIGERATING MACHINERY—DICTIONARIES

**Togunov, B. M., and V. M. Stepanovskii, comps.** [German-Russian dictionary of refrigeration engineering] *Nemetsko-russkii slovar' po kholodil'noi tekhnike*. Moskva, Sovetskaya Entsiklopediya, 1965, 246 p.

## REFRIGERATION AND REFRIGERATING MACHINERY—MAINTENANCE AND REPAIR

**Chupakhin, N. M., and F. I. Rudometkin.** [Installation and repair of refrigerating plants] *Montazh i remont kholodil'nykh ustanovok*. Moskva, Gostogizdat, 1961, 340 p.

## REFRIGERATION AND REFRIGERATING MACHINERY—RESEARCH

Scientific and Technical Symposium at the Exhibition of Achievements of the National Economy on "The new design of refrigerating machinery." *Khol. tekhn.* 42 no. 1 61 Ja-F '65.

## REFRIGERATION AND REFRIGERATING MACHINERY—TESTING

Testing methods of small Freon refrigerator compressors. V. B. Iakobson. *Khol. tekhn.* 42 no. 1 49-53 Ja-F '65.

## REFUGEES, CUBAN see subdivision under United States

## REGENERATION (BIOLOGY)

- Conditions for the regeneration of endocrine organs. A. A. Volkovich. *Arkh. anat. gist. i embr.* 48 no. 3: 111-120 Mi '65.
- Dominant mechanisms in the process of carcinogenesis as exemplified by the interrelations between reparative regeneration and tumor formation. G. N. Arkhipov. *Pat. fiziol. i eksp. terap.* 8 no. 6 65-69 N-D '64.
- Effect of actinomycin on the regeneration of the liver in mice. I. D. Bellaeva. *Biol. eksp. biol. i med.* 50 no. 6 81-85 Je '65.
- Formation of a growing regenerating part of the thyroid gland. A. A. Volkovich. *Probl. endok. i gorm.* 10 no. 5: 89-93 S-O '64.
- Therapeutic effectiveness of the transfusion of "regenerating" bone marrow in acute radiation sickness. G. D. Baisogolov, K. N. Klyukh. *Med. rad.* 10 no. 3 26-30 Mi '65.

## REGENERATION (BIOLOGY)—CONGRESSES

Fourth Conference on Problems of Regeneration and Cell Division. L. D. Lioznar, L. K. Romanova, T. B. Timashkevich. *Usp. sov. biol.* 59 no. 3: 487-490 My-Je '65.

## REGIONAL PLANNING

Practice in regional economic planning in capitalist countries. F. Khyluk. *Ekon. rad. Ukr.* 8 no. 3: 184-87 Mr '65.

## REGULATORS see Government (Machinery)

## REHABILITATION OF CRIMINALS

The public in the service of a noble cause. I. U. Maslov. *Sots. zakon* 42 no. 3: 60-63 Mr '65.

Timely placing in jobs of persons returning from penal custody is one of the conditions for preventing recidivism. B. Shagin. *Sots. zakon* 42 no. 3: 31-32 Mr '65.

## REINDEER—PARASITES see Parasites—Reindeer

## REINDEER AS CARRIERS OF DISEASE see subdivision under Tyumen' Province

## REINFORCED CONCRETE—TESTING

Mesh-reinforced concrete as shipbuilding material. K. K. Amel'yanovich, V. D. Veibitskii. *Sudostroenie* 30 no. 12: 38-41 D '64.

## REINFORCED CONCRETE CONSTRUCTION

[see also subdivision under Dnepropetrovsk, Moscow, Zvenigorod District]

**Ambrasas, Česlovas.** [The story of a plant] *Gamyklos istorija*. Vilnius, Leidykla "Mintis," 1965, 64 p. [In Lithuanian]

Mesh-reinforced concrete on building sites of water development projects. A. P. Lutikov and others. *Trudy Giprovedkhoz* no. 26 73-123 '64.

Practices in the elaboration and use of three-dimensional reinforced concrete elements. V. A. Mikhailov. *Bet. i zhel.-bet.* 11 no. 4 2-6 Ap '65.

Prestressed alloy towers of monolithic reinforced concrete. K. P. Putnikov, A. I. Chernitsov. *Bet. i zhel.-bet.* 11 no. 5 15-20 My '65.

Reinforced concrete funnel troughs and conduits 12 and 14 m. deep. V. A. Kuznetsov. *Trudy Giprovedkhoz* no. 25 73-78 '63.

Sealed joints of precast reinforced concrete frames of public buildings. M. P. Prikshtaitis. *Bet. i zhel.-bet.* 11 no. 5 11-15 My '65.

## REINFORCED CONCRETE PRODUCTS

[see also subdivision under Erivan]

Assembly-line technology of manufacturing reinforced concrete products. *Bet. i zhel.-bet.* 11 no. 6 46-48 Je '65.

## REINFORCED CONCRETE PRODUCTS—PLASTIC PROPERTIES

Method of calculating statically indeterminate reinforced concrete and steel reinforced concrete bridge elements according to limiting conditions taking non-elastic deformations into account. N. N. Sireletskaia. *Bet. i zhel.-bet.* 11 no. 6 34-37 Je '65.

## REINFORCED CONCRETE PRODUCTS—TESTING

Flexures of reinforced concrete beams depending on the age of concrete during the loading. A. Akopian. *Prom. Arm.* 8 no. 4: 60-63 Ap '65.

## REINFORCED PLASTICS—TESTING

Strength of soft fiber-reinforced plastics on oriented and crossed warps. E. S. Umanski. *Prikl. meth.* 1 no. 2: 118-123 '65.

## REISNER, LARISA MIKHAILOVNA, 1895-1926

Larisa Reisner, a daughter of the Revolution. Z. N. Tikhonova. *Vop. ist.* 40 no. 7: 205-208 Ji '65.

## REITER'S DISEASE

Heller's syndrome with ankylosing spondylarthritis. V. V. Orzheshkovskii, S. I. Dovzhanski, A. A. Krupicheva. *Vest. deim. i ven.* 38 no. 6: 90-91 Je '64.

## RELAPSING FEVER

Transovarial transmission of spirochaetes causing tick-borne relapsing fever in *Alectorobius asperus*. V. V. Slesarenko, K. A. Dunayevskii. *Med. paraz. i paraz. bol.* 33 no. 6: 744-745 N-D '64.

## RELATIVITY (PHYSICS)

Applicability of the theory of relativity in astronomy. G. M. Idits, Z. Kh. Kurmakhev. *Trudy Astrofiz. inst. AN Kazakh. SSR* 5: 179-190 '65.

Inertial frames of reference. Part 2. L. I. Arifov, I. I. Gutman. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1: 93-97 '65.

## RELIABILITY (ENGINEERING) see subdivision under Vladimir Province

## RELIGION

[see also subdivision under Pskov Province]

**Oslipav, A. A., V. A. Molokau, and A. M. Kamarou.** [Answers to believers' questions] *Adkazy na pytni veruyushchikh*. Minsk, Belarus', 1965, 62 p.

**Stavitskiy, M. A.** [Beware of obscurantists] *Skazazhytsia tsemrashalau Minsk, Belarus'*, 1964, 38 p. [Biblioteka ateista]

Stolen happiness. I. Okunev. *Doshk. vosp.* 38 no. 3: 75-80 Mi '65.

## RELIGION—BIBLIOGRAPHY see Bibliography—Religion

## RELIGION—CONTROVERSIAL LITERATURE

What is Easter after all? I. Okunev. *Doshk. vosp.* 38 no. 4 36-39 Ap '65.

## RELIGION, PRIMITIVE

Search for generalization in the field of religious history. B. F. Pershnev. *Vop. ist.* 40 no. 7: 135-149 Ji '65.

## RELIGION AND COMMUNISM see Communism and religion

## RELIGION AND SCIENCE

**Malinovskii, T. I.** [Man, God and science] *Chelovek, bog i nauka*. Kishinev, Karla moldovenaske, 1964, 68 p.

## RELIGIOUS ETHICS

**Taratunskii, F. S.** [Does religion teach what is good?] *Uchit li religia dobro?* Minsk, Belarus', 1964, 60 p. [Biblioteka ateista]

## RELIGIOUS PSYCHOLOGY see Psychology, Religious

## REMOTE CONTROL

[see also subdivision under Soviet Central Asia]

Author's reply to remarks on the article "Technical and economic effectiveness of over-all automation and remote control in electrical power distribution networks." N. S. Shablin. *Elek. sta.* 36 no. 4: 81-83 Ap '65.

Effect of pulse noises on a threshold-type remote control receiver. L. B. Vanchkovskii. *Avtom. i telem.* 26 no. 6: 525-531 Mr '65.

**Ginzburg, S. A., I. A. Lekhtman, and V. S. Malov.** [Principles of automatic and remote control] *Osnovy avtomatiki i telemekhaniki*. Pod obshch. red. S. A. Ginzburga. Izd. 3., perer. Moskva, Energiya, 1965, 511 p.

Investigating the organization and the operation of the remote-controlled sectors of drillholes for water. G. M. Belinskii. *Vop. gidr.* no. 22: 67-75 '65.

Large telemechanical systems with multistage control. V. A. Il'in. *Vest. AN SSSR* 35 no. 5: 72-75 My '65.

**Malov, V. S.** [Remote control] *Telemekhanika*. Izd. 2., dop. i perer. Moskva, Energiya, 1965, 94 p. [Biblioteka po avtomatike, no. 123]

Remote-control electro-gas injection ignition device. K. F. Kogan, I. A. Polosin. *Gaz. delo* no. 5 27-28 '65.

Remote control of electric cranes. A. I. Gurkov, E. M. Poltskii. *Mekh. i avtom. proizv.* 19 no. 1: 35-36 Ap '65.

Stability of "manless" mined coal workings in flat contiguous seams. M. I. Veskov. *Vop. gor. davl.* no. 22: 18-28 '64.

## REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] *Ref zhur. Avtom. i telem. i ych. tekhn.* no. 7 Ji '65.

## REMOTE CONTROL—DICTIONARIES

[Automation of production processes and industrial electronics, an encyclopedia of modern technology] *Avtomatizatsia proizvodstva i promyshlennaya elektronika*. Entsiklopediya sovremennoi tekhniki. Glav. red. A. I. Berg i V. A. Trapeznikov. Moskva, Sovetskaya Entsiklopediya. (Entsiklopedii, slovari, spravochniki)  
Vol. Telekomandovanie - Iachetki standartnye. 1965, 643 p.

## RENAISSANCE see subdivision under Lithuania

## RENGARTEN, VLADIMIR PAVLOVICH, 1882-1964

Vladimir Pavlovich Rengarten; obituary. *Izv. AN SSSR, Ser. geol.* 30 no. 6: 127-129 Je '65.

## RENT

**Markovich, I. B., and V. R. Skripko.** [Apartment rent] *Kvartirnaia plata*. Moskva, Strofizdat, 1965, 74 p.

## REPELLENTS

**Naumov, N. P., and V. D. H'ichev.** [Acoustic repellents and their use] *Akusticheskie repellenty i ikh primeneniye*. [Moskva] Izd-vo Mosk. univ., 1965, 46 p. (Nauchno-popularnaya literatura)

## REPRODUCTION

Changes in the higher nervous activity under the effect of the reproductive cycle. L. T. Ivanova. *VI B. Ivanov. Zhur. vyz. nerv. deiat.* 14 no. 6: 984-981 N-D '64.

In vitro reproduction of *Salmonella typhimurium* in macrophages. O. N. Ekzemplerov. *Zhur. mikrobiol. epid. i immun.* 42 no. 3: 88-92 Mr '65.

Reproduction characteristics of long-tailed susliks (*Citellus undulatus*) in the Dzungarian Alatau. A. Benkenov. *Izv. AN Kazakh. SSR, Ser. biol. nauk* 3 no. 1: 86-91 Ja-F '65.



## RIGA—MUSIC—COMPETITIONS

Letters from cities Riga. B. Bricke, I. Braun, Sov. muz., 29 no. 5 80-81 My '65

## RIGA—POSTAL SERVICE—EMPLOYEES

The post office workers are improving the quality of their work. S. I. Pettenko. Vest svizti. 25 no. 2-15-17 P '65.

## RIGA—RADIO INDUSTRY

[Creative thought summons us forward] Radosa doma aicina iinaki. Riga, Latvijas Valsts izdevnieciba, 1965, 43 p. [In Latvian]

## RIGA—TECHNICAL EDUCATION

Riga. Politehniskais instituts. [Riga Polytechnic Institute] Rīgas politehniskais instituts. Rīzhskii politehnicheskii institut. Riga, Izdevniecība "Liesma," 1965, 23 p. [chiefly Lithuanian, in Latvian and Russian]

## RIGID DYNAMICS see Dynamics, Rigid

## RING FORMATION (CHEMISTRY)

Cyclization of geraniol and nerol ethers. A. V. Semenovskii and others. Izv. AN SSSR, Ser. khim., no. 6:1058-1070 '65.

## RINGS (ALGEBRA)

Elementary theories of free nilpotent algebras. M. A. Taitelb. Alg. i log. 3 no. 5/6:57-63 '64.  
Some examples of rings without zero divisors. L. A. Bokut'. Alg. i log. 3 no. 5/6:5-28 '64.

## RINGWORM

Treatment of trichophytosis in cattle. N. R. Asenov. Veterinaria 42 no. 6:37-39 Je '65.

## RIPPLE MARKS see subdivision under Stalubin region (White Russia)

## RIVERS—REGULATION see subdivision under Sweden

## ROAD CONSTRUCTION

(see also subdivision under Georgia, Krasnoyarsk Territory)

Consolidating an additional lane on ascending roads. L. A. Ketoglu, V. V. Sil'yanov. Avi. dor. 28 no. 2:5-8 F '65

Determining the calculated value of the modulus of the deformation of road soils. G. I. Shelopayev, Trudy STI 33:12-21 '62.

Device for studying the abrasive characteristics of frozen soils. N. N. Goriushkin, Trudy STI 33:74-81 '62.

Fast roadbed made of excessively saline soils. L. F. Stupakova, R. A. Popova. Avi. dor. 28 no. 2:16-17 F '65

Possible way of prolonging the road construction season at logging camps in Krasnoyarsk Territory. N. N. Goriushkin, Trudy STI 33:22-31 '62.

Using synthetic adhesives in road construction. V. M. Kharulev. Avi. dor. 28 no. 2:21-23 F '65.

Ways to increase the stability of asphalt-concrete road topping. V. M. Goglidze, Trudy GPI [Gruz.] no. 7: 23-28 '63.

## ROAD CONSTRUCTION—EQUIPMENT AND SUPPLIES

Kamenetskii, L. B. [Handbook for a bitumen-boller operator] Parnatika mashinistu bitumennogo kotla. Moskva, Transport, 1965, 36 p. (Tekhnika bezopasnosti na dorozhnykh rukohtakh)

## ROAD MATERIALS—FROST DAMAGE

Frost resistance of cement road materials. A. P. Kuznetsov. Avi. dor. 28 no. 2:23-24 F '65

## ROADS

At the Ministry of the Automotive Transportation and Highways of the R. S. F. S. R. Avi. transp. 43 no. 6:59-60 Je '65.

Numbers and facts. V. F. Babkov. Avi. dor. 28 no. 2: 2-5 F '65.

Stramenov, A. E., and E. A. Merkulov. [City streets and roads] Gorodskie ulitsy i dorogi. Moskva, Stroizdat, 1965, 343 p.

## ROADS—DESIGN

Kaganovich, V. E. [Technical and economic substantiation of the variants of highway location; a manual] Tekhniko-ekonomicheskoe obosnovanie variantov trassy avtomobil'nykh dorog; uchebnoe posobie. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, Omskoe otd-nie, 1964, 50 p. (Biblioteka studenta, no. 5) [MICROFILM]

Zapachayev, M. S. [Transition curves on highways] Perekhodnye krivye na avtomobil'nykh dorogakh. Moskva, Transport, 1965, 112 p.

## ROADS—MAINTENANCE AND REPAIR

(see also subdivision under Uzbekistan, White Russia)  
Use modern communication systems in road maintenance units. G. F. Vlasov. Avi. dor. 28 no. 2:9 F '65.

## ROADS—MODELS

Studying the heat cycle of roadbeds by electric models. I. A. Tsyganov. Izv. vyz. ucheb. zav. stroi i arkhit. 6 no. 2:131-133 '65

## ROADS, ICE

Practices in maintaining a temporary ice crossing. I. U. P. Birlukov. Transp. stroi. 15 no. 4:50-51 Ap '65

## ROADSIDE IMPROVEMENT see subdivision under Tuapse

## ROBBERY

Certain problems of responsibility for overt theft under Soviet criminal law. V. V. Fraksin. Vest. Mosk. un. Ser. 10. Pravo. 29 no. 1:59-67 Ja-Mr '65

## ROBOTS see Automata

## ROCHELLE SALT CRYSTALS—MAGNETIC PROPERTIES

Characteristics of the Barkhausen effect in Rochelle salt and triglycine sulfate crystals. V. M. Rudlak, L. A. Shuvaylov, V. E. Kamaev. Izv. AN SSSR, Ser. fiz. 29 no. 6:943-947 Je '65.

## ROCK DRILLS

Pneumatic gas-jet therm drill for working hard rocks. I. Goldaev and others. Prom. Arm. 8 no. 4:28-31 Ap '65.

## ROCK PRESSURE

Controlling rock pressure during the mining of steep seams without the presence of men in stopes. V. V. Gubin. Vop. gor. davl. no. 22:29-32 '64.

A "pressure wave" and its role in the process of sudden ejections of coal and gas. N. G. Russakov. Vop. gor. davl. no. 22:57-65 '64.

Regularities of roof displacement in steep seam longwall. A. G. Shadrin. Vop. gor. davl. no. 22:3-10 '64.

Stand for investigating the fracture of rock under high pressure. I. U. P. Nomikovsky. Vop. gor. davl. no. 22: 68-70 '64.

Turchaninov, L. A. [Displacement and pressure of rock in the mining of steeply pitching seams] Sdvizhenie i davlenie gorn'nykh porod pri razrabotke krutopadaniushchikh zhil. Moskva, Nauka, 1965, 93 p.

## ROCK PRESSURE—MEASUREMENT

Using the results of actual measurements of pressure on supports for making strength calculations. V. A. Lytkin, M. A. Dolgikh. Vop. gor. davl. no. 22:33-48 '64.

## ROCK PRESSURE—TESTING

Some results of investigating manifestations of rock pressure during cutter-loader mining operations. E. A. Bober, V. N. Smirnov, N. A. Fedorov. Vop. gor. davl. no. 22:10-18 '64.

## ROCK PRODUCTS

Igneous and metamorphic rock as building materials. L. G. Tkachuk. [Prats] Inst. geol. nauk AN URSSR. Ser. geol. rod. kor. kop. no. 1:10-33 '63

## ROCK PRODUCTS—COSTS

Reducing the cost of rock products. A. P. Davidovich. Stroi. mat. 11 no. 1:19-21 Ja '65.

## ROCK SALT see subdivision under Siberian Platform

## ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur. 'Avi. i raket. dvig. no. 6 Je '65.

## ROCKET RESEARCH see subdivision under United States

## ROCKETS (ORDNANCE)

The antisubmarine rocket "Subroc." P. I. A. Zaleskii, V. A. Kononov. Mor. sbor. 47 no. 5:65-67 My '64.

The main battery is always on the alert. V. Tolubko. Komm. Vooruzh. Sil. 45 no. 8:45-47 Ap '65.

Shibaev, N. F. [Fighting with rockets] Bor'ba s raketami. Moskva, Voenizdat, 1965, 128 p. (Za voenno-tekhnicheskoe znanie)

## ROCKS see subdivision under Bug Valley; Carpathian Mountains; Vorskla Valley

## ROCKS—ANALYSIS see subdivision under Chingiztau region

## ROCKS—DENSITY see subdivision under Kursk Magnetic Anomaly

## ROCKS—ELASTIC PROPERTIES

(see also subdivision under Kola Peninsula)  
Practices in the comparative determination of the modulus of rock elasticity in laboratories and under field conditions. I. U. R. Perkov, M. A. Dolgikh. Osm. i. fund. i mekh. grun. 7 no. 3:10-11 '65.

## ROCKS—ELECTRIC PROPERTIES

Possibility of evaluating the specific resistance of the rocks of a crystalline basement in the presence of the effect of infinite resistance. B. A. Gaman. Geofiz. sbor. no. 8:88-90 '64.

Specific resistance of rocks in constant and variable electric fields. M. P. Volarovich. K. A. Valeev. F. I. Parkhomenko. Izv. AN SSSR, Fiz. zem. no. 5:51-56 '65

## ROCKS—MAGNETIC PROPERTIES see subdivision under Ukraine

## ROCKS—MICROBIOLOGY see subdivision under Furmanovo District

## ROCKS—PERMEABILITY

Effect of the temperature and overall pressure on the gas permeability of rocks. I. A. Burlakov, N. S. Gudok. Gaz. delo. no. 4:13-16 '65

## ROCKS—TESTING

Determination of the tensile strength of rock by the method of splitting the core sample. V. I. Nikolin, G. A. Naryshkin. Vop. gor. davl. no. 22:65-67 '64.  
Investigations of the physical properties of rocks at high pressures and temperatures. M. P. Volarovich. Geofiz. sbor. no. 9:3-13 '64.

Laboratory estimate of the magnetic stability of rocks of the Czech massifs. O. L. Andreeva, V. V. Bukha, G. N. Petrova. Izv. AN SSSR, Fiz. zem. no. 2:54-54 '63

Stand for investigating the fracture of rock under high pressure. I. U. P. Nomikovsky. Vop. gor. davl. no. 22: 68-70 '64.

## ROCKS, CARBONATE see subdivision under Caucasus, Uzbekistan

## ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Dnieper Valley, Yenisey Range

## ROCKS, CRYSTALLINE AND METAMORPHIC—ELASTIC PROPERTIES see subdivision under Dnieper Valley

## ROCKS, CRYSTALLINE AND METAMORPHIC—MAGNETIC PROPERTIES

Determining the age of crystalline rocks according to their magnetization. N. P. Mikhailova, Z. A. Krutikhovskaya. Geofiz. sbor. no. 9:44-51 '64

## ROCKS, IGNEOUS see subdivision under Kafan District; Kazakhstan, Pamirs, Shakhdag Range; Siberia; Soviet Far East, Taymyr Island; Tetyukhe region (Maritime Territory)

## ROCKS, IGNEOUS—ANALYSIS

Determination of the composition of plagioclase based on the results of the chemical analysis of igneous rocks. V. I. Zinov'ev. Geol. i geofiz. no. 12:140-144 '64.

## ROCKS, IGNEOUS—DENSITY see subdivision under Dnieper Valley

## ROCKS, IGNEOUS—EXHIBITIONS

Exhibition of volcanic rocks from the Soviet Union and foreign countries in the Petrographic Museum of the Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry of the Academy of Sciences of the U. S. S. R. V. I. Gon'shakova. Izv. AN SSSR, Ser. geol. 30 no. 6:142-144 Je '65

## ROCKS, SEDIMENTARY

(see also subdivision under Perm Province, Pripet Valley, Saratov Province, Siberia)

Distribution of clay minerals according to fractions in sedimentary rocks. TS, M. Raitburd, A. M. Tsareva. Lit. i pol. iskop. no. 2:172-174 Mr-Apr '65.

Replacement of quartz with calcite in sedimentary rocks. S. A. Kashuk. Geokhimiya. no. 2:180-187 F '65

## ROCKS, SEDIMENTARY—MAPS

(see also subdivision under East European Plain)  
Methods for compiling lithologic maps. E. A. Skobelin. Geol. i geofiz. no. 3:184-189 '65

## ROCKS, SILICEOUS see subdivision under Rava-Russkaya region, Russian Platform

## RODARI, GIANNI

Internationalism as the mind and heart of Gianni Rodari. R. Finkel'shtein. Doshk. vosp. 38 no. 4:110-112 Ap '65.

## RODENTS

Methods of studying individual home ranges of rodents with the help of live traps. N. A. Nikulina. Zool. zhur. 44 no. 4:598-605 '65.

## RODENTS—DISEASES AND PESTS

Experimental infection of house mouse, Dzungar hamster and steppe vole with Q fever. A. A. Pchelkina. Zool. zhur. 44 no. 4:523-524 '65.

## RODENTS AS CARRIERS OF DISEASE

Characteristics of the distribution of some bacterial infections in the rodent population in cities. O. V. Iushchenko and others. Zhur. mikrobiol. epid. i immun. 42 no. 3:101-106 Mr '65



# RODZIANKO, MIKHAIL VLADIMIROVICH, 1859-1924

M. V. Rodzianko's reports to Nicholas II. I. I. Vostokov. Izv. vuzov, 1965, no. 1, 10-11, 1965.

# ROEGNERIA

Productivity of grass mixtures containing Roegneria and bird's-foot-trefoil. M. A. Soboleva. Trudy GSKH 9, 68-81, 1963.

# ROLLING (METALWORK)

(See also sub-division under Nizhny Tagil)

Rolling of sheet elements. B. Popovskii. Trudy LPI no. 243-69-78, 1965.

Increasing increase in width formulas and methods of the experimental investigation of transverse deformation in rolling. V. S. Smirnov, A. K. Grigor'ev, V. A. Lunov. Trudy LPI no. 243-69-78, 1965.

Analyzing the conditions of gripping during the rolling of a multilayer flat pack with a stepped front end. N. I. Korogin, L. G. Pavlov, Tsvet. met. 35 no. 3, 76-80, 1965.

Applying the dimensional theory to determine the degree of elongation in the rolling with fins. V. S. Smirnov, V. Kuritsa. Trudy LPI no. 243-69-105, 1965.

Chizhkov, I. M. (Processes of working steels and alloys by pressure) Protsessy obrabotki davleniem legirovannykh staley i sployov. [Moskva] Metallurgiya, 1965, 499 p.

Coefficient of metal deformation during rolling in a cogging-down pass. V. S. Smirnov, A. K. Grigor'ev, N. Kh. Davitbekov. Trudy LPI no. 243-64-65, 1965.

Determining the capacity and acting forces in helical rolling with taper grooves. P. Tikhauer. Trudy LPI no. 243-144-159, 1965.

Determining the course of shape forming starting from the plastic properties of the blank and the permissible deformation of the section's side edges. K. N. Bogolavskii, A. K. Grigor'ev. Trudy LPI no. 243-118-123, 1965.

Effect of inertial forces on metal gripping by rolling mill rolls. V. S. Smirnov, V. Kuritsa. Trudy LPI no. 243-85-93, 1965.

Effect of the rolling system on the quality of plate steel. G. M. Katsar'yan. Stal' 25 no. 5, 433-435, 1965.

Efficient conditions for the strip press rolling of strip. M. A. Benak, A. A. L. I. Butkova. Metallurg 10 no. 3-22, 1965.

Experimental investigation of gripping conditions. V. S. Smirnov, V. Kuritsa. Trudy LPI no. 243-79-84, 1965.

Geometrical similitude in the rolling of corresponding strips. V. S. Smirnov. Trudy LPI no. 243-44-53, 1965.

Gorenshchikov, M. M., I. Z. T. Silevich, and M. M. Mezhaurov. [Lightweight rolled sections] Oblegchevnye profilirovannye. Kiev, Gostekhizdat USSR, 1963, 137 p.

Investigating helical rolling with taper grooves. P. Tikhauer. Trudy LPI no. 243-146-153, 1965.

Investigating the cross plugging process. I. F. Shevkin, O. F. Kozlov, F. S. Sedalov. Izv. vuzov, ucheb. zav. i tsent. met. 8 no. 1, 135-141, 1965.

Multiple groove die rolling. V. D. Durnev. Trudy LPI no. 243-106-111, 1965.

Rolling of special sections for the screens of jiggling machinery. B. M. Blukovich, S. E. Merkur'ev. Metallurg 10 no. 5, 30-31, 1965.

Similitude theory in rolling. V. S. Smirnov. Trudy LPI no. 243-38-43, 1965.

Tolerance for coinciding the elements of periodic sections and roll grooves. V. Kuritsa. Trudy LPI no. 243-94-95, 1965.

Ways of improving the mechanical properties of sheet and rolled sections of low carbon and low alloy steel. E. Z. Freidman and others. Stal' 25 no. 6, 553-557, 1965.

Rolling (METALWORK)—EQUIPMENT AND SUPPLIES

Lubrication for rolling tubes on a continuous mill. A. Z. Gredenshchikova and others. Stal' 25 no. 6, 549-550, 1965.

Mechanism for introducing dry lubrication into the pipe shell before entering the rolling mill. M. G. Berdianskii and others. Metallurg 10 no. 6, 28-30, 1965.

Rolling (METALWORK)—TERMINOLOGY

Terms "bloom," "blooming," "slab," "E. D. Kononova. Trudy LPI no. 243-191-192, 1965.

Use of a reduction mill with a ve. M. F. Stoletil. Trudy LPI no. 243-191-192, 1965.

Improving reduction conditions of the shank. N. I. Medovachnikova. Trudy LPI no. 243-191-192, 1965.

Acting forces in helical rolling. P. Tikhauer. Trudy LPI no. 243-144-159, 1965.

Rolling during foil rolling on a mill. K. N. Bogolavskii, O. A. Orlov. Trudy LPI no. 243-132-133, 1965.

Investigating the process of rolling wheels at the Nizhny Tagil metallurgical combine. A. P. Chekmarev and others. Stal' 25 no. 6, 543-546, 1965.

ROLLING MILLS—DESIGN AND CONSTRUCTION

Investigating power parameters of rolling on mills with swivel bearings. K. N. Bogolavskii and others. Trudy LPI no. 243-126-131, 1965.

ROLLING MILLS—ELECTRIC DRIVING

Increasing the operational reliability of rolling mill motors. A. S. Lenovich, A. I. A. Dubinets, I. A. M. Palei. Prom. energ. 20 no. 6, 4-9, 1965.

Transducers for the continuous control of metal in rolling mill rolls. A. I. Romanenko, E. I. Babenko. Stal' 25 no. 5, 445-448, 1965.

ROLLING MILLS—EQUIPMENT AND SUPPLIES

Mechanization of the removal of hot metal from the roll train. I. U. G. Lebedev, I. N. Potapov. Metallurg 10 no. 6, 30-31, 1965.

Natural gas to intensify the heating of ingots. F. A. Etushenko, E. V. En'kov, A. N. Pekker. Metallurg 10 no. 5, 25-26, 1965.

Operation of coolers in light section mills during high speed rolling. I. A. Al'men, A. S. Baidot. Stal' 25 no. 5, 438-441, 1965.

Semiautomatic cutting of thick sheet. A. V. Zhigula and others. Metallurg 10 no. 6, 32, 1965.

Using continuous operating dynamometers on strip mills. G. G. Rannov and others. Metallurg 10 no. 6, 25-27, 1965.

ROLLING MILLS—PARTS

Selecting the material for spindle-coupling bushings of rolling mills. N. N. Belykh. Vest. mashinost. 45 no. 5, 33, 1965.

ROLLING MILLS—TECHNOLOGICAL INNOVATIONS

Modernization of rolling mills. M. I. Shinkarenko, A. A. Vitkon. Mashinostroenie no. 2, 28-29, 1965.

ROLLS (ROLLING MILLS)

Calculating the grooving of section mills according to the method of corresponding strips. N. N. Pavlov. Trudy LPI no. 243-68-69, 1965.

Investigating helical rolling with taper grooves. P. Tikhauer. Trudy LPI no. 243-146-153, 1965.

Multiple groove die rolling. V. D. Durnev. Trudy LPI no. 243-106-111, 1965.

ROLLS (ROLLING MILLS)—DEFECTS

Effect of the axial channel in working rolls on the plastic deformation of four-high rolling mill rolls. V. P. Polukhin, A. V. Zinov'ev, B. S. Zubanov. Stal' 25 no. 5, 435-437, 1965.

ROMANCE LANGUAGES

Akademika nauk SSSR, Institutazykovedeniya. [The Romance languages] Romanskoeazyki. Moskva, Nauka, 1965, 148 p.

ROMANETS, NIKITA IAKOVLEVICH

Exchanging sword for plow. D. Meksin. Zemledelo 27 no. 5, 7-10, 1965.

ROMASHKINO OIL FIELD—OIL FIELD FLOODING

Controlling the development of oil reserves in case of contour flooding in the Aznashkino region of Romashkino oil field. M. G. Garipov. Nefteprom. delo no. 1, 19-21, 1965.

ROMASHKINO OIL FIELD—OIL WELL DRILLING

Sampling a core from a producing horizon in Romashkino oil field. V. P. Makshantsev. Burenie no. 10, 19-21, 1965.

ROMASHKINO OIL FIELD—PETROLEUM—MICROBIOLOGY

Effect of temperature on the development of microorganisms from flooded layers of the Romashkino Oil Field. V. A. Kuznetsova, V. M. Gorlenko. Mikrobiologiya 34 no. 2, 329-334, 1965.

ROMASHKINO OIL FIELD—PETROLEUM PRODUCTION

Methods for improving air tightness in the gathering of gas and oil. N. M. Baikov, E. I. Mansurov. Nefi, khoz. 43 no. 5, 37-40, 1965.

ROOFING—STANDARDS

[Wall, roofing, and insulation materials] Materialy stenovye, krovel'nye, izolatsionnye. Izd. offtsiat'noe. Moskva, Izd-vo Standartov, 1965, 315 p. (SSSR, Gosudarstvennyye standarty)

ROOFING, BITUMINOUS

Bitumino-latex emulsions for waterproof roofing. S. S. Blei, V. L. Karas', Stroim. 11 no. 4, 13-14, 1965.

Practices in introducing bitumen-latex roofing. V. M. Varusha, Z. M. Bychkovskii. Transp. stroi. 15 no. 4, 27-28, 1965.

ROOFS

Characteristics of the construction of large spans of the roofs of bungalows. L. I. Goltsberg. Trudy vuzov, ucheb. zav. i tsent. met. 8 no. 1, 135-141, 1965.

Flat built-up roofs for major repairs of apartment buildings and public buildings. I. A. I. Lupton. Nov. tekhn. i kon. khoz. Zhil. khoz. no. 2, 105-111, 1965.

Plastic roofs and their characteristics. I. A. I. Lupton. Nov. tekhn. i kon. khoz. Zhil. khoz. no. 2, 105-111, 1965.

Warehouse roof of thin-walled folded elements. I. A. I. Lupton, Z. A. Alidulayev. Tekhn. i kon. khoz. no. 4, 19-25, 1965.

ROOFS, SHELL

Double curvature shells for roofs of industrial buildings. V. Abovskii and others. Tekhn. i kon. khoz. no. 4, 12-15, 1965.

Molding panels of precast reinforced concrete three-dimensional roofs. O. A. Savinova and others. Tekhn. i kon. khoz. no. 4, 11-14, 1965.

Precast-monolithic roofs of the sheet cylinder. A. D. Liberman, O. M. Rubanov, D. A. Korshunov. Tekhn. i kon. khoz. no. 4, 17-17, 1965.

ROOFS, SUSPENSION

Mesh-reinforced concrete suspension roofs for sheds and warehouses. Sh. S. Ievina. Tekhn. i kon. khoz. no. 4, 30-31, 1965.

ROOT CROPS—HARVESTING

Multiple purpose combine for harvesting root crops. A. A. Kuvov. Trudy i izobreteniya, no. 5, 10-10, 1965.

ROOTS (BOTANY)

Determining the absorbing surface of the root system of plants. N. Z. Stankov, T. P. Lendenina, A. A. I. Lupton. Vest. sel'khoz. nauk 6 no. 1, 25-130, 1965.

Distribution of nutrients in fruit trees under the nutrition of individual roots. S. S. Rubina, V. I. Moiseichenko. Vest. sel'khoz. nauk 6 no. 1, 131-131, 1965.

Dormancy period in the hibernation of pepper plants. S. I. Kornova. Pchel. i ust. 12 no. 2, 320-324, 1965.

Root system spread of some field crops in the desert steppes. I. O. Butkova. Trudy i izobreteniya, no. 5, 10-10, 1965.

ROSE BENGAL

Preliminary report on the results of the study of the functional state of the liver with the aid of B31-tagged rose bengal in surgical patients. B. P. Markin, H. G. Nikitina. Trudy TSU 72, 190-191, 1965.

Study of the liver by the use of B31-tagged rose bengal in erythemia. A. L. Koryeva, H. G. Nikitina. Trudy TSU 72, 180-185, 1965.

ROSES—DISEASES AND PESTS

Rose mildew. I. T. Tsvetkov. Zashch. rast. i zhivot. 10 no. 4, 42-43, 1965.

ROSES—VARIETIES see sub-division under Chu Valley

ROSTAND, EDMOND, 1868-1918

Theater, translation, theater. I. U. Akhmedov. Trudy LPI no. 243-38-43, 1965.

Trifly poetry: "Cyran de Bergerac" performed in the Moscow Theater Studio "Sovremennik" I. M. Akhmedov. Trudy LPI no. 243-38-43, 1965.

ROSTOV-ON-DON—BUILDING, IRON AND STEEL

In the effort for high quality. G. Shul'gin. Trudy LPI no. 243-33-34, 1965.

ROSTOV-ON-DON—CUPOLA FURNACES

Automatic mixture making and cupola-furnace charging at the "Rostovmash" Plant. V. N. Pomin. Trudy LPI no. 243-33-34, 1965.

ROSTOV-ON-DON—LIBRARIES AND READERS

Reading guide for young workers from the experience of the M. Gor'ki Central Municipal Library in Rostov. A. I. Abgarova. Bibliot. SSSR no. 26, 41-50, 1965.

ROSTOV-ON-DON—OPERA

Opera from Rostov. E. Fal'kovich. Trudy LPI no. 243-33-34, 1965.

ROSTOV-ON-DON—RAILROADS—FREIGHT

Information and centralized freight delivery. I. I. Minkin, V. V. Shatilov. Zhel. dor. transp. 47 no. 5, 35-38, 1965.

ROSTOV PROVINCE—CHILDREN—MANAGEMENT

Theory of A. S. Makarenko in action. O. S. Kol'p. Nach. shkola 33 no. 5, 84-85, 1965.

ROSTOV PROVINCE—CORN (MAIZE)

Wide row single-seed planting of corn. I. Smorodin, D. Podlaskii. Zemledelo 27 no. 5, 43-45, 1965.

**ROSTOV PROVINCE—EDUCATION, PRESCHOOL**

Great concern V Ivashchenko Doshk vosp, 38 no 3 30-31 Mr '65

**ROSTOV PROVINCE—INDUSTRIES**

From the history of the struggle of the party organizations and workers in Taganrog for the development of industry, 1916-1970 A A Zolov Knaevd, zap Tag knaevd muz no 2 3-51 '64

**ROSTOV PROVINCE—RURAL SCHOOLS**

Where lies the secret of success? R. Knipenko, Nach, shkola 33 no. 5:60-60 My '65,

**ROSTOV PROVINCE—TEACHING**

Conference on the problem of repeating students in primary grades A Demintsev, Na obr, no 6:122-123 Je '65,

Do not "eliminate," but prevent, V. P. Streizkozhin, Nach, shkola 33 no. 5:58-60 My '65,

Persistent struggle for students' complete success in their studies, A. S. Pchelko, N. S. Rozhdestvenskii, Nach, shkola 33 no. 5:51-55 My '65,

Practice of the progressive teachers of Rostov Province in overcoming the repetition of a year, Nach shkola 33 no 4:93-95 Ap '65.

**ROTARY KILNS see Kilns, Rotary****ROTATING AMPLIFIERS**

Dynamic properties of an amplifier with a separated magnetic circuit, E. A. Dikanov Elektr. tekhnika 36 no 3:54-58 Mr '65,

**ROTATING BODIES**

Stability of certain permanent revolutions of a solid body N. G. Apykhin Prikl mat i mekh 20 no 2 375-378 Mr-Apr '65

Stability of the permanent revolutions of a solid body about a fixed point, A. Anchev Prikl mat i mekh 20 no. 2:380-386 Mr-Apr '65,

Uniform revolutions of a body about a fixed point, P. V. Kharlamov Prikl mat i mekh, 20 no. 2:373-375 Mr-Apr '65

**ROTATION OF CROPS**

(See also subdivision under Grodno Province)

Corn as a crop preceding winter crops, I. U. K. Kobelev, Zemledelie 27 no. 5:53-55 My '65,

Crop preceding sugar beet crops, I. A. Akhmedov, Zemledelie 27 no. 5:75 My '65,

Prianishnikov, D. N. [Chemicalization of agriculture and proper crop rotations] O khimizatsii zemledel'ia i pravil'nykh sevooborotakh, Moskva, Izd-vo "Znanie," 1965, 45 p. (Novoe v zhizni, nauke, tekhnike. V Seriya: Sel'skoe khozaistvo, no. 11)

**ROTFERA see subdivision under Kandalaksha Bay****ROVE BEETLES**

Sectophionthus, a remarkable new palaeoecologic genus of the tribe Philonthini (Coleoptera, Staphylinidae), H. C. Colfer, Zool zhur, 44 no. 4:615-617 '65

**ROVNO PROVINCE—PRECAST CONCRETE CONSTRUCTION**

Precast reinforced concrete goes into building, M. Panchuk, V. Dan'kovskiy Sli. bud. 16 no 2:4-5 F '65

**ROWING**

Neurological evaluation of speed qualities in shell and canoe oarsmen T. P. Ponomarevskaya, Teor i prakt fiz. kul't 28 no. 6:36-36 Je '65,

Ways to increase the efficiency of young shell and canoe oarsmen, N. P. Fremenko, G. M. Krasnoperstev, A. K. Chuprun, Teor i prakt fiz. kul't 28 no 6 33-35 Je '65,

**ROZHDESTVENSKI, ROBERT**

We will still be, V. Voronov, Vop. lit. 9 no 3:56-60 Mr '65,

**ROZINS, FRICIS, 1870-1919**

Millers, V., and L. Stumbina. [Fricis Rozins, 1870-1919, his life and work] Fricis Rozins, 1870-1919, dzive un darbs, Riga, Izdevnieciba "Liesma," 1965, 270 p. [In Latvian]

**RUBANOV, ALEKSEI ALEKSEEVICH**

In the front line, K. F. Chernolovin, Veterinaria 42 no. 5:23-25 My '65,

**RUBBER—TESTING**

Effect of the vulcanizing network structure on the strength and elasticity of rubbers, Part 2: Structural changes of the network under thermal and thermooxidative action, A. S. Lykin, Z. N. Tarasova, B. A. Dogadkin, Koll. zhur, 27 no. 2:224-231 Mr-Apr '65,

**RUBBER, SYNTHETIC**

Emulsion polymerization of vinyl chloride in the presence of latex previously introduced in the system, I. B. Kotliar, I. A. Mukhina, Plast. massy no. 3:4-8 '65,

**Stability and coagulation of synthetic latexes Part 6**

Effect of secondary ions of electrolyte-coagulants on the kinetics of the first stage of coagulation R. E. Neiman, O. A. Lashenko Koll. zhur, 47 no 2 254-258 Mr-Apr '65,

**Use of synthetic rubber in criminal investigation.**

A. Mironov, Sois zakon 42 no 2 36-37 F '65

**RUBBER COATINGS**

Manufacture of metal bearings and rubber coatings for the suction boxes F. P. Kondratskiy, Bum prom no 3 21 Mr '65

Protective linings of abalone vulcanized without pressure, I. U. B. Iantseva, S. I. Pimenova Zashch. met. 1 no 2 244-245 Mr-Apr '65,

**RUBBER INDUSTRY**

Induction heat dryer for the drying of rubber compound ingredients, V. I. Brushkovskiy, Khim. prom [Ukr.] no 2:80-81 Ap-Je '65,

Lepelov, V. A. [Engineering rubber goods] Rezhimoye tekhnicheskoye izdellia, Izd. 2., perer. i dop. Moskva, Khimlia, 1955, 471 p.

Use of refrigeration in the production of synthetic rubber L. V. Lopatin, N. I. Kertsman Khol. tekhn. 42 no. 1 5-8 Ja-F '65,

**RUBBER MACHINERY**

Dynamics of the work of type ZG-83-10/320 high-pressure piston compressors L. I. Mamon and others Khim. prom, [Ukr.] no. 2, 51 Ap-Je '65,

New type of packings for the rotor necks of high-pressure rubber compound mixers, M. A. Lokshin, L. I. Mamon, B. F. Tatallin, Khim. prom [Ukr.] no 2: 52-53 Ap-Je '65,

Using wood as packing for the telescopic pipes of forming vulcanizers V. A. Annenkov, G. V. Sarana, Khim. prom [Ukr.] no. 2:53-54 Ap-Je '65,

**RUBBER TIRES see Tires, Rubber****RUBIDIUM ZIRCONATE**

Rubidium dzirconate, A. A. Grizik, V. E. Plushchev, A. N. Kamenskaya, Zhur. teorg. khim. 10 no. 6:1312-1319 Je '65,

**RUBLEVO (MOSCOW PROVINCE)—WATER SUPPLY**

Order of Lenin station P. Stepanenko Zhil. i kom. khoz 16 no 4 4-5 Ap '65

**RUBY**

Effect of the fine splitting of the lower level of  $Cr^{+3}$  in ruby on some characteristics of coherent radiation G. I. Freidman, Izv. vys. ucheb. zav., radiofiz 8 no 2:272-284 '65

**RUBY—SPECTRA**

Effect of gamma rays on ruby fluorescence yield S. V. Starodubtsev, M. I. Unusov, Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 9 no. 1:111-113 '65

**RUDSKAYA, ANTONINA SAVEL'EVNA**

Bringing joy to people, M. Bril' Koizh. torg 16 no 3 28-29 Mr '65

**RUE**

Alkaloids from Haplophyllum, Part 4: Structure of phloesidin V. I. Pastukhova, G. P. Sidakin, S. I. Unusov, Khim. prirod. soed. no 1 27-33 '65,

**RUGOSA see Tetrodonallia****RUMANIA—CHAMBER ORCHESTRA**

The "Bucharest Trio," T. Gaidamovich, Sov. muz, 20 no. 3:96-97 Mr '65,

**RUMANIA—COASTS**

Some features of the morphology and dynamics of the Rumanian coastal area of the Black Sea, A. Spataru, Okeanologia 5 no. 2:311-315 '65,

**RUMANIA—ECONOMIC POLICY**

Rumania's new five-year plan, Z. Mitrakii, Nov. vsem 23 no. 28:14-15 Je '65,

**RUMANIA—LIBRARIES**

Books and libraries in the Rumanian People's Republic, Mirecea Tomescu, Bibliotekoved. i bibli. za rub. no. 14 3-18 '64,

**RUMANIA—RELATIONS (MILITARY) WITH RUSSIA**

In a fighting family, C. Bertiariu, Komm. Vooruzh. Sil. 46 no. 8 72-73 Ap '65

**RUMEN**

Digestibility of cellulose in the rumen of ruminants in connection with their age T. U. Izmailov, A. Urzagaliev Izv. AN Kazakh SSR Ser. biol. nauk 3 no. 1: 103-105 Ja-F '65

**RUMEN—DISEASES**

Naphthalen for treating tympanites in calves, B. M. Anokhin, Veterinaria 41 no. 6:78-80 Je '64,

Treating the atony of the rumen in babesiosis, M. A. Barykin, Veterinaria 41 no. 4:72-73 Ap '65,

**RUMEN—MICROBIOLOGY**

Method for counting the micro-organisms of the rumen content A. A. Limarenko, Veterinaria 42 no 5 105-106 My '65

**RUMANTSEVA, LIUBA**

The road begins with songs S. M. Teatr 26 no. 4:111 Ap '65

**RUNOFF**

(See also subdivision under Azov Sea region Caucasus, Dniestrpranchay Valley, Tien Shan, Turkestan Range)

Effect of waters of continental runoff on the development of phytoplankton in the northwestern part of the Black Sea G. P. Mashtakova, Trudy Azherbim. no 23 55-57 '64

**RURAL CONSTRUCTION**

(See also subdivision under Cherkassy Province, Kharkas Autonomous Province, Leningrad Province, Nikolayev Province, Pskov Province, Ukraine, Ulyanovsk Province, Volga Valley)

Efficient forms of rural contractual organizations A. Zaitin Sel'sk. stroi 19 no 4 17 Ap '65

Lenin's ideas are conquering Sel'sk. stroi 19 no 4 1-2 Ap '65

Strengthen the material and technical base for agriculture Bel. i zhel.-bet. 11 no 5 1-2 My '65

**RURAL CONSTRUCTION—FINANCE see subdivision under Odessa Province****RURAL ELECTRIFICATION**

Lenin's plan for electrification is being realized V. Bodin Sel'sk. stroi 19 no 4 5-6 Ap '65

Reliable power supply of rural areas, D. T. Komarov, Energetik 13 no. 2:1-4 F '65,

**RURAL LIBRARIES**

Moscow, Publitsnaya biblioteka. [Working with children in a rural library; a practical text] Rabota s det'mi v sel'skoi bibliotek; prakticheskoe posobie Moskva, Kniga, 1965, 122 p.

**RURAL MEDICINE see Medicine, Rural****RURAL SCHOOLS**

(See also subdivision under Rostov Province, Vologda Province)

Our village school A. Iugov, Nar. obr. no. 7 84-85 Jl '65

**RURAL SEWERAGE see Sewerage, Rural****RURAL WATER SUPPLY see Water supply, Rural****RUSSIA—AIR FORCE**

Aligning with courage, I. Kozhedub Komm. Vooruzh. Sil. 46 no 8 51-54 Ap '65

Great feat of the people S. Rudenko Kryl. rod. 16 no 5:1-2 My '65,

**RUSSIA—AIR FORCE—OFFICERS**

Before you make a decision... A. Bublik, Av. i kosm. 47 no. 7:8-9 Jl '65,

Comrade commander, O. Nazarev, Av. i kosm. 47 no. 7:10-15 Jl '65,

Squadron commander, P. Kokarev, Av. i kosm. 47 no. 7:2-5 Jl '65,

**RUSSIA—ARMED FORCES**

Following Lenin's principles, Mor. shor. 48 no. 4:5-9 Ap '65,

Indestructible force of the unity of the people and the army A. Burlai, Komm. Vooruzh. Sil. 46 no 8 9-18 Ap '65,

[Our pride, our glory, for young people about the Armed Forces of the Soviet Union] Nasha gordost', nasha slava; molodezhni o Vooruzhenykh Silakh Sovetskogo Soyuza, [Moskva] Molodaya gvardia, 1965, 202 p.

Poets by the Black Sea, Sov. voen 47 no 11:1 Je '65,

**RUSSIA—ARMED FORCES—INSPECTION**

At a repair plant, G. Babkin, Komm. Vooruzh. Sil. 46 no. 10:54-55 My '65

Operativeness and effectiveness, D. Kuchin, Komm. Vooruzh. Sil. 46 no. 10:53-54 My '65,

Use means reasonably M. Doronin, Komm. Vooruzh. Sil. 46 no 10:52-53 My '65,

When the accounting is up-to-date, S. Rudin, Komm. Vooruzh. Sil. 46 no. 10:55-56 My '65,

**RUSSIA—ARMED FORCES—MANAGEMENT**

[Unit administrator's manual] Spravochnik voiskovogo khozaiствennika, Moskva, Voenizdat, 1965, 462 p.

**RUSSIA—ARMED FORCES—MEDALS, BADGES, DECORATIONS, ETC.**

The Order of Victory V. Loboda, Voen.-isl. zhur. 7 no. 5:124-125 My '65

#### RUSSIA—ARMED FORCES—OFFICERS

From the experience of political training of officers.  
F. Alekseevskii, V. Churilo. Komm. Vooruzh. Sil 46  
no. 11:55-56 Je '65

#### RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

For you, propagandists. Komm. Vooruzh. Sil 46 no. 10:  
63 My '65

From the experience of political training of officers.  
F. Alekseevskii, V. Churilo. Komm. Vooruzh. Sil 46  
no. 11:55-56 Je '65

A group of lecturers at a unit party committee. V. Boiko,  
I. Talala. Komm. Vooruzh. Sil 46 no. 10:42-44 My  
'65

Requirements of party organizations are needed in con-  
nection with the 19th anniversary. Komm. Vooruzh. Sil 46  
no. 11:55-56 Je '65

Substantiation and methodology of political studies

F. Lukin. Komm. Vooruzh. Sil 46 no. 10:68-74 My  
'65

What working collectively means. A. Mamaev. Komm.  
Vooruzh. Sil 46 no. 10:57-62 My '65

When the fate of a man is decided. S. Konoplev. Komm.  
Vooruzh. Sil 46 no. 10:37-41 My '65

#### RUSSIA—ARMED FORCES—REGULATIONS

Carry out the demands of military regulations exactly.  
Komm. Vooruzh. Sil 46 no. 11:3-7 Je '65

#### RUSSIA—ARMED FORCES—RESERVES

No contradictions. Sots. zakon. 42 no. 2:86-88 F '65.

#### RUSSIA—ARMY

Liberating mission of the Soviet Army during the  
Second World War. D. Diev. Voen.-ist. zhur. 7 no. 5  
11-15 My '65

#### RUSSIA—ARMY—ARTILLERY

Artillerists take an examination. B. Terentev. Komm.  
Vooruzh. Sil 46 no. 8:59-60 Ap '65

Dear initiates. A. Pushovarov, M. Ryzhak. Sov. voen. 47  
no. 11:30-31 Je '65

Shattering volley. N. N. Voronov. Otkliab. 42  
no. 6:133-150 Je '65.

#### RUSSIA—ARMY—BIOGRAPHY

Dzifurayev, T. D. [Faithful sons of our country] Vernye  
syny Rodiny. Tashkent, Izd-vo Uzbekistan, 1964.  
511 p.

#### RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

Heroes in our ranks. Sov. iust. 29 no. 9:5-8 My '65

#### RUSSIA—ARMY—MILITARY CONSTRUCTION OPERATIONS

To new successes in the work of military builders.  
A. N. Komarovskii. Komm. Vooruzh. Sil 46 no. 10:  
19-24 My '65

#### RUSSIA—ARMY—MILITARY LIFE

Lashchenko, P. N. [Officer's youth] Otklitskaya  
lunost'. Moskva, Voenizdat, 1965. 268 p.

Lenin entrusted me to take care of this. Valeri Mukhin.  
Sov. voen. 47 no. 7:2-3 Ap '65

#### RUSSIA—ARMY—NON-COMMISSIONED OFFICERS

Support on sergeants. I. Kovalev. Komm. Vooruzh. Sil  
46 no. 11:58-61 Je '65.

#### RUSSIA—ARMY—OFFICERS

Lashchenko, P. N. [Officer's youth] Otklitskaya  
lunost'. Moskva, Voenizdat, 1965. 268 p.

#### RUSSIA—ARMY—PARACHUTE TROOPS

For the motherland! L. Lisov. Kryl. rod. 16 no. 5:8-9  
My '65.

#### RUSSIA—ARMY—POLITICAL ACTIVITY

Being with young people at all times and places. V. Mi-  
troshenkov. Komm. Vooruzh. Sil 46 no. 11:76-82 Je  
'65.

Example of a political worker. D. Azov. Komm. Vooruzh.  
Sil 46 no. 8:39-43 Ap '65.

The first frontline meeting ... I. Kallidin. Komm.  
Vooruzh. Sil 46 no. 8:34-35 Ap '65

Party and political work in the Berlin operation.  
M. Kalashnik. Voen.-ist. zhur. 7 no. 5:42-55 My  
'65.

Support on sergeants. I. Kovalev. Komm. Vooruzh. Sil  
46 no. 11:58-61 Je '65.

What a study-room style leads to. G. Lodygin. Komm.  
Vooruzh. Sil 46 no. 11:82-83 Je '65.

#### RUSSIA—CIVIL DEFENSE

The Osoaviakhim (Society for the Promotion of Aviation  
and Chemical Defense), pages from history, 1927-1941.  
L. F. Borisov. Vop. ist. 40 no. 8:45-60 Je '65.

#### RUSSIA—COMMERCE

Determining the efficiency of capital investments.  
V. Kaniukis, D. Petrov. Sov. iorg. 38 no. 3:38-40  
Mr '65.

Economic regulation of the market. A. Levin. Sov. iorg.  
38 no. 3:10-14 Mr '65

Foreign trade of the U. S. S. R. I. U. Savost'yanov,  
Mezhdunar. zhizn' 12 no. 6:136-138 Je '65.  
In the State Committee on Commerce of the Council of  
Ministers of the U. S. S. R. Sov. iorg. 38 no. 3:58-60  
Mr '65

The output of machinery and equipment is increasing, and  
export potentialities expand. A. Kirillov, Vnesh. iorg.  
45 no. 6:3-8 '65.

Wholesale-trade representatives are aids of the retail  
trade. V. Andonovich, N. Gorskikh. Sov. iorg. 38  
no. 3:31-35 Mr '65

#### RUSSIA—COMMERCE—FINLAND

"Konselo," a Soviet-Finnish joint stock company.  
A. Engibarov. Vnesh. iorg. 45 no. 6:38-42 '65.

#### RUSSIA—COMMERCE—FLANDERS

From the history of the commercial relations between  
Russia and Flanders in the 16th century. B. N. Florin.  
Sred. veka. no. 26:97-103 '61

#### RUSSIA—COMMERCE—PROBLEMS, EXERCISES, ETC.

Burmistrov, V. G., and others. [Collection of problems  
on the organization and technique of trade] Sbornik  
zadach po organizatsii i tekhnike torgovli. Moskva,  
Ekonomika, 1965. 174 p.

#### RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

#### RUSSIA—CONSTITUTION

Ukraine, Constitution. [Constitution (fundamental law)  
of the Ukrainian S. S. R. With amendments and supple-  
ments passed at the fourth session of the Sixth Supreme  
Soviet of the Ukrainian S. S. R.] Konstytutsiia (osnovnyi  
zakon) Ukrainy "kol Radians'kol Sotsialistychnoi  
Respubliki. Iz zminamy i dopovnomniamy, pryinyatymy  
na chetvertii sesii Verkhovnoi Rady Ukrainy "kol RSR  
shostocho skykannia. Kyiv, Polityvydav Ukrainy, 1965.  
23 p.

#### RUSSIA—CONSTITUTIONAL LAW

Ievsteyev, I. F., ed. [Fundamentals of Soviet law]  
Osnovy radians'koho prava. [By] F. N. Burchak ta  
insh. Kyiv, Derzh. vyd-vo sil's'koho hospodars'kol  
Ukr. vy. USSR, 1963. 423 p.

#### RUSSIA—DESCRIPTION AND TRAVEL

Across our homeland. N. Mikhailov. Doshk. vosp.  
38 no. 4:60-66 Ap '65.

#### RUSSIA—ECONOMIC CONDITIONS

Achievement of economic independence. V. Kas'ianenko.  
Kommunist 42 no. 10:35-44 J1 '65.

#### RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

#### RUSSIA—ECONOMIC POLICY

Drobnizheva, L. M. [Lenin and the utilization of the local  
experience in economic development] Lenin i ispol'zo-  
vanie mestnogo opyta khoziaistvennogo stroitel'stva.  
Moskva, Nauka, 1963. 134 p.

The economic law of the Soviet state. A. Kostayn,  
V. Lepiev. Kommunist 42 no. 10:88-94 J1 '65.

Planning and forecasting. M. Breev. Plan. khoz. 42  
no. 6:66-67 Je '65.

Role of local planning organs in national economic  
planning. G. Voskanian. Plan. khoz. 42 no. 6:  
50-57 Je '65.

Verification of plan fulfillment. A. Malyshev. Plan.  
khoz. 42 no. 6:40-44 Je '65.

#### RUSSIA—FEBRUARY REVOLUTION, 1917

How the Socialist Revolutionaries betrayed their agrarian  
program. V. V. Garmiza. Vop. ist. 40 no. 7:31-41  
J1 '65.

The Temporary Committee of the State Duma and the  
Provisional Government. D. V. Oznobishin. Ist.  
zap. 75:273-294 '65.

#### RUSSIA—FEBRUARY REVOLUTION, 1917—HISTORIOGRAPHY

How the bourgeois historiography "bans" V. I. Lenin and  
the Bolsheviks from the February Revolution. G. Z.  
Ioffe. Vop. ist. KPSS 9 no. 7:53-61 J1 '65.

#### RUSSIA—FOREIGN ECONOMIC RELATIONS—EGYPT

The United Arab Republic on the way toward new goals.  
N. Smetanin. Mezhdunar. zhizn' 12 no. 7:44-52 J1 '65.

#### RUSSIA—FOREIGN ECONOMIC RELATIONS—FRANCE

An example of fruitful cooperation. T. Ievleva.  
Mezhdunar. zhizn' 12 no. 7:145-147 J1 '65.

#### RUSSIA—FOREIGN ECONOMIC RELATIONS—HUNGARY

In the spirit of fraternal friendship. D. Tallos, Vnesh.  
iorg. 45 no. 6:7-12 '65.

#### RUSSIA—FOREIGN ECONOMIC RELATIONS—JAPAN

A journey to Yakutsk. D. Lashchenko. Vnesh. iorg.  
45 no. 26:20-29 Je '65.

#### RUSSIA—FOREIGN ECONOMIC RELATIONS—JAPAN

Japan, our neighbor. A. F. Alekseev. Vnesh. iorg.  
45 no. 6:1-12 '65.

#### RUSSIA—FOREIGN RELATIONS

At the Helsinki Congress. I. Sedlin. Vnesh. iorg.  
45 no. 20:13-15 J1 '65.

For peace and friendship. V. Koshchikov. Vnesh. iorg.  
45 no. 6:26-27 Je '65

Leninist course of foreign policy of the Soviet Union.  
V. Koshchikov. Komm. Vooruzh. Sil 46 no. 10:17-22 Je '65

Problems of European peace and security. I. U.  
Mezhdunar. zhizn' 12 no. 6:9-12 Je '65

The struggle in Russia about the problem of  
policy on the eve of the 1941 World War. I. U.  
V. Bostanov. Ist. zap. 75:11-12 '65

#### RUSSIA—FOREIGN RELATIONS—BELGIUM

Thirty years later: a letter from Brussels. V. Yagor.  
Nov. vrem. 23 no. 30:7-9 J1 '65.

#### RUSSIA—FOREIGN RELATIONS—GERMANY

East German historiography and Soviet-German  
relations in the "Year of recognition." Ist. zap.  
Vop. ist. 40 no. 6:113-160 Je '65.

Russia and the Baltic question in German policy.  
1558-1953. I. Dornheim. Ist. zap. 76:175-185 '65

#### RUSSIA—FOREIGN RELATIONS—IRAN

Good neighbor policy. Nov. vrem. 23 no. 25:1-3  
J1 '65.

#### RUSSIA—FOREIGN RELATIONS—POLAND

The state and trends of development of Polish-Soviet  
relations in the "Year of recognition." Ist. zap.  
Vop. ist. 40 no. 6:113-160 Je '65.

#### RUSSIA—FOREIGN RELATIONS—TURKEY

Bagirov, H. A. [From the history of Soviet-Turkish  
relations, 1920-1923] Iz istorii sovetskikh otnoshenii  
otnosheni v 1920-1923 gg. i po materialam Azerbaidzhan-  
skoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhan-  
skoi SSR, 1965. 142 p.

In Atatürk's time and now. H. A. Bagirov. Ist. zap.  
23 no. 25:16-17 Je '65.

In the interest of good neighborliness. M. M. Makhov.  
Mezhdunar. zhizn' 12 no. 7:63-69 J1 '65.

Kemal Atatürk: "We are friends with Russia."  
Mezhdunar. zhizn' 12 no. 6:140-141 Je '65

#### RUSSIA—FOREIGN RELATIONS—UNITED STATES

Great peace and the position of the U. S. A. V. Morozov.  
Vop. ist. 40 no. 7:52-61 J1 '65.

#### RUSSIA—FOREIGN RELATIONS—YUGOSLAVIA

Criteria of the revolutionary spirit. Sovetskaya  
vrem. 23 no. 20:3-4 J1 '65.

Development of Soviet-Yugoslav relations. Ist. zap.  
Nov. vrem. 23 no. 20:13-14 Je '65.

#### RUSSIA—GEOGRAPHY see Geography

#### RUSSIA—GERMAN OCCUPATION, 1941-1944

Collapse of Hitler's agrarian policy on the territory of  
the U. S. S. R., 1941-1944. N. I. Koshchikov.  
V. R. Tomlin. Vop. ist. 40 no. 6:32-44 Je '65

#### RUSSIA—HISTORIOGRAPHY

Basic trends in the Soviet historiography of modern  
times. I. M. Krivoguz and others. Vop. ist. 40 no. 6:  
87-104 Je '65.

#### RUSSIA—HISTORY

From the history of the court conspiracies in 18th  
century Russia. S. S. Lur'e. Vop. ist. 40 no. 6:7-14  
J1 '65.

Maevskii, V. I. [Pre-revolutionary Russia and the U. S. S. R.]  
Dorevolutsionnaya Rossiia i SSSR. Madrid, 1963.  
341 p.

Oprichnina and the last independent principality in  
Russia. R. G. Skrynnikov. Ist. zap. 76:152-154 '65

#### RUSSIA—HISTORY—BIBLIOGRAPHY

New books. Vop. ist. 40 no. 6:175-176 Je '65.

#### RUSSIA—HISTORY—SOURCES

A review of documents of the Information Section of the  
Central Committee of the Russian Communist Party  
(Bolshevik). V. P. Nikolaeva. Vop. ist. KPSS 9 no. 6:  
110-122 J1 '65.

Sources of the registers of military officers from 1475  
to the early 17th century. V. I. Bugarev.  
Ist. zap. 76:216-220 '65.

# RUSSIA—HISTORY—STUDY AND TEACHING

**Borunov, V. F., and V. V. Mal'kov.** [Methodological instructions on the history of the U.S.S.R. for the students of correspondence courses preparing for the entrance examinations to the Moscow State University] Metodicheskie ukazaniia po istorii SSSR, dlia uchashchikhsia zaochnykh kursov po podgotovke k vstupit'nyim ekzamenam v MGU. [Moskva] Izd-vo Mosk. univ., 1964. 141 p.

# RUSSIA—HISTORY, MILITARY

**Krivoshin, S. M.** [Between the storms; reminiscences] Mezhdubur'e, vospominaniia. Voronezh, T'Sentral'no-Chernozemnoe knizhnoe izd-vo, 1964. 277 p.  
[Our pride, our glory, for young people about the Armed Forces of the Soviet Union] Nasha gordost', nasha slava, molodezhi o Vooruzhennykh Silakh Sovetskogo Soiuza. [Moskva] Molodaja gvardiia, 1965. 202 p.

# RUSSIA—INDUSTRIES

Industrial policy of the Russian autocracy during the years of the crisis of the feudal system. N. S. Kiriapina. Vop. ist. 40 no. 6:61-75 Je '65  
Using the conditions of the market for equipment F. Levshin. Vnesh. torg. 45 no. 6:44-48 '65

# RUSSIA—INDUSTRIES—AUDITING AND INSPECTION

[Be alert, public inspector] Zorkin bud', narodnyi kontroler! Petrozavodsk, Karol'skoe knizhnoe izd-vo, 1964. 76 p.  
(CSK-II)

# RUSSIA—INDUSTRIES—DICTIONARIES

**Aleksandrov, A. M., and others, eds.** [Dictionary-manual for the economist of an industrial enterprise] Slovar'-spravochnik ekonomista promyshlennogo predpriiatiia. Moskva, Politizdat, 1965. 368 p.

# RUSSIA—INDUSTRIES—LABOR PRODUCTIVITY

Heavy industry is here for the welfare of the people. S. N. in Agiator 33 no. 11:10-19 Je '65

# RUSSIA—INTELLECTUAL LIFE

**Strange, M. M.** [The democratic intelligentsia in Russia in the 18th century] Demokraticheskaiia intelligentsiia Rossii v XVIII veke. Moskva, Nauka, 1965. 304 p.

# RUSSIA—INVASION OF 1812

**Nersisyan, M. G.** [Patriotic War of 1812 and the peoples of the Caucasus] Otechestvennaia voina 1812 goda i narody Kavkaza. Erevan, Izd-vo AN Armianskoi SSR, 1965. 416 p.

# RUSSIA—LITERATURES

Miracle or natural phenomenon? M. Parkhomenko. Vop. lit. 8 no. 6:25-38 Je '65

# RUSSIA—MANUFACTURES

Business fairs and the production of goods. V. Klimenko. Sov. torg. 38 no. 3:21-23 Mr '65

Demand, price, quality. IA. Orlov. Tekh. est. no. 4: 3-5 Ap '65.  
Excellent made-excellent sold. Sov. torg. 38 no. 3: 1-2 Mr '65.

In the State Committee on Commerce of the Council of Ministers of the U.S.S.R. Sov. torg. 38 no. 3:58-60 Mr '65.

**Orlovskii, E. I.** [Synthetic products in everyday life; synthetic materials and goods manufactured from them] Sintetika v bytu; sinteticheskie materialy i tovary iznkhk. [Leningrad] Lenizdat, 1964. 141 p.

Regulating commodity stocks according to the changes in the population's demand. L. V. Nikitina. Vest. Mosk. un. Ser. 8: Ekon., filos. 20 no. 2:21-27 Mr-Ap '65  
Some problems in the making up of assortments. V. Shvili. Tekh. est. no. 4:2 Ap '65.

Study by commercial organizations of the consumers' demand. G. Trakhtenberg. Tekh. est. no. 4:5 Ap '65.

Ties between industry and trade. IA. Orlov. Sov. torg. 38 no. 3:3-9 Mr '65.

# RUSSIA—NAVY

The baton of heroes in safe hands. N. A. Torik. Mor. sbor. 48 no. 5:23-26 My '65.

Combat deeds of soldiers of the fleet. G. Shchedrin. Komm. Vooruzh. Sil 46 no. 8:55-58 Ap '65.

Development of the Black Sea Fleet on the eve of the First World War, 1907-1914. K. F. Shatsillo. Ist. zap. 75 86-121 '65

From the history of the defense of Sevastopol during the Great Patriotic War, defense of the communications. V. M. Koval'chuk. Ist. zap. 75:26-43 '65.  
A great victory. Mor. sbor. 48 no. 5:13-13 My '65.

Heroes of military glory. G. G. Antonov. Mor. sbor. 48 no. 4:25-29 Ap '65.

On ships, in units, and fleet commands; from reports by our volunteer correspondents. Mor. sbor. 48 no. 6:68-70 Je '65.

# RUSSIA—NAVY—MANAGEMENTS

Automation of the control of naval forces under modern conditions. N. I. Nikol'skii. Mor. sbor. 48 no. 5: 54-60 My '65.

# RUSSIA—NAVY—MEDALS, BADGES, DECORATIONS, ETC.

The badge "For a Long-Distance Cruise." IU. F. Kamnitskiy. Mor. sbor. 48 no. 6:57 Je '65

Honorary awards of the motherland obligate. S. G. Gorshkov. Mor. sbor. 48 no. 6:6-7 Je '65

# RUSSIA—NAVY—OFFICERS

Decisive work team. V. M. Grishanov. Mor. sbor. 48 no. 6:17-17 Je '65.

It is necessary to cultivate the commander's independence and initiative. P. V. Maksimov. Mor. sbor. 48 no. 5:61-66 My '65.

# RUSSIA—NAVY—POLITICAL ACTIVITY

Party principle at work. P. N. Medvedev. Mor. sbor. 47 no. 5:7-13 My '65.

The political worker on a cruise and at a training exercise. D. Urchenko. Komm. Vooruzh. Sil 46 no. 11:18-23 Je '65.

# RUSSIA—NAVY—SEA LIFE

Greater attention to the living conditions of sailors. B. M. Volosentov. Mor. sbor. 48 no. 6:16-23 Je '65.

# RUSSIA—OFFICIALS AND EMPLOYEES

**Sennikov, A. A.** [Trade union organization in a government establishment] Profsoyuznata organizatsiia gosudarstvennogo uchrezhdeniia. [Moskva] Proizdat, 1965. 61 p.

# RUSSIA—POLITICS AND GOVERNMENT

[Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh. Sov. RSFSR 0 no. 25 Je '65.

[Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh. Sov. SSSR 28 nos. 22, 26, 28-29 Je-Jl '65.

History of the 18th century "Zemskie sobory." S. O. Smidit. Ist. zap. 76 120-151 '65.

How the so-called "Christian Socialist Workers' and Peasants' Party" appeared and vanished. D. L. Golinkov. Vop. ist. 40 no. 6:218-219 Je '65.

M. V. Rodzianko's reports to Nicholas II. L. I. Astaf'ev. Ist. zap. 75 306-307 '65.

The Temporary Committee of the State Duma and the Provisional Government. D. V. Ozonishin. Ist. zap. 75:273-294 '65.

# RUSSIA—POPULATION

Powerful forces of friendship and fraternity. S. Kenzho-baev. Nar. khoz. Kuzakh. 23 no. 3:78-80 Mi '65.

# RUSSIA—RELATIONS (GENERAL) WITH AZERBAIJAN

**Abdullayev, Gasli.** [Azerbaijan in the 18th century and her relations with Russia] Azerbaidzhan v XVIII veke i vzaimootnosheniia ego s Rossiei. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 620 p.

# RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

Bulgarian lawyers in the U.S.S.R. Sots. zakon. 42 no. 6:80 Je '65.

# RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Formation and activity of the Czechoslovak Society for the Economic and Cultural rapprochement with the New Russia, 1925-1927. E. D. Vorob'eva. Sov. slav. no. 2:33-43 '65.

# RUSSIA—RELATIONS (GENERAL) WITH GERMANY, EAST

Sojourn in the U.S.S.R. of the delegation of the Supreme Court of the German Democratic Republic. Sots. zakon. 42 no. 3:73 Mr '65.

# RUSSIA—RELATIONS (GENERAL) WITH JAPAN

Our relations are improving. Az. i Afr. seg. 8 no. 6: 3-4 Je '65

# RUSSIA—RELATIONS (GENERAL) WITH POLAND

In close contact; the Polish-Soviet scientific and technical cooperation. B. Stronski. Vnesh. torg. 45 no. 6: 13-18 '65.

# RUSSIA—RELATIONS (GENERAL) WITH SCANDINAVIA

Fruitful cooperation. V. Bakov. Mezhdunar. zhizn' 12 no. 8:106-107 Je '65.

# RUSSIA—RELATIONS (GENERAL) WITH TURKMENISTAN

**Agayev, Khalym.** [Relations between the Caspian Sea Turkmen and Russia in the 19th century (before their incorporation into Russia)] Vzaimootnosheniia prikaspiiskikh turkmen s Rossiei v XIX veke (do prisoedineniia k Rossii). Ashkhabad, Turkmenskoe izd-vo, 1965. 102 p.

# RUSSIA—RELATIONS (GENERAL) WITH YUGOSLAVIA

Strengthening contacts. V. Oranzhereeva. NTO 7 no. 5:58-60 My '65.

# RUSSIA—RELATIONS (MILITARY) WITH BULGARIA

Glory to the liberators. I. Vrachev. Komm. Vooruzh. Sil 46 no. 8:65-67 Ap '65

# RUSSIA—RELATIONS (MILITARY) WITH CZECHOSLOVAKIA

Together forever. O. Rylik. Komm. Vooruzh. Sil 46 no. 8:74-75 Ap '65.

# RUSSIA—RELATIONS (MILITARY) WITH GERMANY

Combat friendship gets stronger. N. Azarevich. Komm. Vooruzh. Sil 46 no. 11:70-71 Je '65

# RUSSIA—RELATIONS (MILITARY) WITH GERMANY, EAST

On guard of peace. G. Amm. Komm. Vooruzh. Sil. 46 no. 8:68-70 Ap '65

# RUSSIA—RELATIONS (MILITARY) WITH HUNGARY

Inviolable friendship. I. Lakatos. Komm. Vooruzh. Sil. 46 no. 8:67-68 Ap '65

# RUSSIA—RELATIONS (MILITARY) WITH POLAND

Comrades in arms. J. Urbanowicz. Komm. Vooruzh. Sil 46 no. 8:70-72 Ap '65

# RUSSIA—RELATIONS (MILITARY) WITH RUMANIA

In a fighting family. C. Bertanu. Komm. Vooruzh. Sil 46 no. 8:72-73 Ap '65.

# RUSSIA—REVOLUTION, 1917-1921

**Gerasimov, P. M.** [Valiant army commander] Dobrosl komandarm. Moskva, Politizdat, 1965. 78 p. (Geri podvigi)

How the so-called "Christian Socialist Workers' and Peasants' Party" appeared and vanished. D. L. Golinkov. Vop. ist. 40 no. 6:218-219 Je '65

# RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

**Budennyi, S. M.** [The road behind us] Proidennyi put'. Moskva, Voenizdat. Book 2. 1965. 369 p. (Voennye memuary)

# RUSSIA—REVOLUTION OF 1905

**Andrikanis, E. N.** [The owner of the "Dovii's Nest"] Khozian "Cherleva gnezda." Izd. 2., dop. [Moskva] Mosk. rabochi, 1965. 230 p.

**Boyukin, V. I.** [The Revolution of 1905-1907] Revolutsiia 1905-1907 gg. [Moskva] Izd-vo Mosk. univ., 1965. 93 p.

Revolutionary feat of Russian sailors; on the 60th anniversary of the revolt on the battleship "Potemkin" F. S. Krutitsyn. Mor. sbor. 48 no. 6:31-35 Je '65.

**Shaurov, I. V.** [The year 1905; recollections of a participant in the revolution of 1905-1907] 1905 god; vospominaniia uchastnika revoliutsii 1905-1907 godov. Mosk. Mysl', 1965. 261 p.

# RUSSIA, ASIATIC—FISHES, FOSSIL

Taxonomy of the family Lycopteridae. V. N. Iakovlev. Paleont. zhur. no. 2:80-92 '65.

# RUSSIA, ASIATIC—INSECTS, FOSSIL

New and rare Palaeontofidea of Asia. E. F. Bekker-Migdisova, R. D. Vutton. Paleont. zhur. no. 2:63-70 '65

# RUSSIA, NORTHERN—CRANE FLIES

Ecology and preimaginal phases of the development of the Arctic crane fly Tipula (Pterelachnus) carinif. Holm. (Diptera, Tipulidae). IU. I. Chernov, E. N. Savchenko. Zool. zhur. 44 no. 5:777-770 '65.

# RUSSIA, NORTHERN—FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Economic evaluation of the introduction of new technology, mechanization and automation in the fishing industry of the North (1966-1970) L. A. Ostrovskaya. Mat. rybokhoz. issl. Sev. bas. no. 4:128-134 '61.

# RUSSIA, NORTHWESTERN—CORN (MAIZE)—DISEASE AND PESTS

Swedish fly and common corn smut. I. Shkurpeia. Zashch. rast. ot vred. i bol. 10 no. 5:58 '65.

# RUSSIA, NORTHWESTERN—FOREST SOILS

Differences in the soil formation under spruce and oak forests in the northwestern part of the U.S.S.R. R. Shlotina. Pochvovedenie no. 3:20-20 Mr '65.

# RUSSIA, NORTHWESTERN—HAY—HARVESTING

Machine stacking of grass on racks. I. V. Llaovskii. Zap. Len. sel'khoz. inst. 85:228-233 '61.

# RUSSIA, NORTHWESTERN—METEOROLOGY

Possibility of complex meteorological conditions on the European part of the Union caused by baric formations. V. I. Titov. Uch. zap. MOPI 124:337-3 '63.

# RUSSIA, NORTHWESTERN—SOIL FORMATION

Distribution of soil formation in the northwestern part of the USSR. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:41-42 Ja-F '65.

# RUSSIA, NORTHWESTERN—SOIL PERCOLATION

Co-percolation of water and air in the percolation column of soil in the forest-steppe zone of the northwestern part of the USSR. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:43-44 Ja-F '65.

# RUSSIA, NORTHWESTERN—SOILS

Grey, dark-colored turf soils in the northwestern part of the USSR. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:45-46 Ja-F '65.

# RUSSIA, NORTHWESTERN—TRANSPORTATION—PASSENGER TRAFFIC

Our goal is passenger traffic. A. Khramov, V. Matyushko, M. Ryl'skaya. Rech. transport. 29 no. 12:9-10 D '63.

# RUSSIA, SOUTHERN—GRAVITY PROSPECTING

Some results of gravity surveying in the southeastern part of the European part of the USSR. O. A. Shvart. Trudy VNIIGG no. 1105-109 '64.

# RUSSIA, SOUTHERN—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

23 conference of entomologists of the sanitary epidemiological stations in the southeast of the European part of the USSR on the control of injurious insects. V. P. Polodovaya, L. A. Bichenko. Med. paraz. i paraz. bol. 33 no. 6:75-75 N-D '64.

# RUSSIA IN LITERATURE AND ART

Poems of the Decembrists on themes of early Russia, the second half of the 1820's and the 1830's. A. A. Ilushin. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:41-42 Ja-F '65.

Russia and the Russians in Shakespeare's works. M. P. Alekseev. Vop. iz. 40 no. 7:77-82 JI '65.

# RUSSIAN DRAMA—HISTORY AND CRITICISM

Analysis of the history of Russian drama. V. Pimenov. Vop. iz. 9 no. 3:3-9 M '65.

Kardin, V. [A judge by the name of time, about a hero of Soviet drama]. Sud'ba po imeni vremeni, o geroe sovetskogo drama. Moskva, Iskusstvo, 1964. 201 p. (Nu) (RPD)

The quests continue. V. Filolov. Vop. iz. 9 no. 3:30-36 M '65.

Russian classics on the Polish stage. I. U. Okr'kova, B. Rostotskii. Teatr. 26 no. 6:145-154 Je '65.

So that the footlights wouldn't dim! Nikolai Okhlopov. Teatr. 26 no. 6:12-22 Je '65.

Thoughts and hopes. Leonid Zorn. Teatr. 26 no. 6:23-28 Je '65.

Who makes the play? V. Pimenov. Teatr. 26 no. 6:4-12 Je '65.

# RUSSIAN LANGUAGE—ACCENTUATION

Gurbanov, V. V., and others. [Exercises on Russian literary pronunciation and accentuation; manual for secondary school teachers]. Sbornik uprazhnenii po russkomu literaturnomu proiznosheniiu i udareniiu, posobie dlia uchitel'ei srednei shkoly. Moskva, Prosveshchenie, 1964. 161 p. (Nu) (RPD)

Interrelation of nominal and verbal accentuation in modern literary Russian. V. A. Red'kin. Vop. iz. 14 no. 3:111-117 M-Je '65.

# RUSSIAN LANGUAGE—ADJECTIVE

Akademii nauk SSSR, Institut russkogo iazyka. [Changes in word formation and the forms of nouns and adjectives in the Russian literary language of the 19th century]. Izmeneniia v slovoobrazovanii i formakh sushchestvitel'nogo i prilagatel'nogo v russkom literaturnom iazyke XIX veka. Pod red. V. V. Vinogradova i N. I. U. Shvedovoi. Moskva, Izd-vo Nauka, 1964. 598 p. (Ocherki po istoricheskoi grammatike russkogo iazyka XIX veka) (Nu) (RPD)

# RUSSIAN LANGUAGE—ADVERB

Don't forget, that. G. Dybo'skaya. Doshk. vosp. 38 no. 4:50-52 Ap '65.

# RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

Cards for independent work. P. S. Kartalov. Nach. shkola. 33 no. 6:78-80 Je '65.

Homemade visual aids for the Russian language. N. G. Salomadin. Nach. shkola. 33 no. 6:78-79 Je '65.

# RUSSIAN LANGUAGE—BUSINESS RUSSIAN

Rabinovich, P. A. [Business correspondence and documents]. Korrespondentsia i deloproduzvodstvo. Moskva, Kolos, 1965. 142 p. (Uchebnye i uchebnye posobia dlia sel'skokhoziaistvennykh tekhnikumov)

# RUSSIAN LANGUAGE—CHRESTOMATHIES AND READERS

Brodskaya, V. B. [Exercises on the history of the literary language]. Sbornik uprazhnenii po istorii literaturnogo iazyka. Moskva, Prosveshchenie, 1964. 174 p. (Nu) (RPD)

# RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Belitskaya, S. P. [Expositions in grades 5-8; a teacher's manual]. Izlozhenie v V-VIII klassakh, posobie dlia uchitel'ei. Moskva, Prosveshchenie, 1965. 221 p.

# RUSSIAN LANGUAGE—CONJUNCTIONS

From the history of time conjunctions of the relative type. R. D. Oganessova. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:85-73 Ja-F '65.

# RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS—LITHUANIAN

Stasaitiene, V. [Russian-Lithuanian phrase book]. Russko-litovskii razgovornik. Russku-tietuvišku pasikalbėjimų knygelė. 2. leidimas. Vilnius, Mintis, 1965. 318 p.

# RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS—NEPALI

Korolev, N. I. [Russian-Nepali phrase book]. Russko-nepal'skii razgovornik. Moskva, Nauka, 1965. 182 p.

# RUSSIAN LANGUAGE—DICTIONARIES

Grigor'ev, V. P. [Dictionary of the language of Soviet Russian poetry, a prospectus, examples of dictionary articles, instructive materials]. Slovar' iazyka russkoi sovetskoi poezii, prospekt, obratnyi slovarnykh statei, instrukivnye materialy. Moskva, Nauka, 1965. 223 p.

Shanskii, N. M. [Etymological dictionary of the Russian language]. Etimologicheskii slovar' russkogo iazyka. [Moskva] Izd-vo Mosk. univ. Vol. 1, No. 2. B. 1965. 270 p.

# RUSSIAN LANGUAGE—DICTIONARIES—AZERBAIJANI

Akademii nauk Azerbaidzhanskoi SSR, Baku. Terminologicheskii komitet. [Dictionary of photography and cinematography terminology]. Slovar' fotograficheskikh i kinematograficheskikh terminov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 109 p. [In Russian and Azerbaijani]

Akademii nauk Azerbaidzhanskoi SSR, Baku. Terminologicheskii komitet. [Dictionary of terms used in animal husbandry]. Slovar' terminov po zhivotnovodstvu. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965. 63 p. [In Russian and Azerbaijani]

# RUSSIAN LANGUAGE—DICTIONARIES—ENGLISH

Smirnitshii, A. I., ed. [Russian-English dictionary]. Approximately 50,000 words. Russko-angliskii slovar'. Okolo 50 000 slov. Sostavil' O. S. Akhmanova i dr. Izd. 7 pod red. O. S. Akhmanovoi. 5 pilozheniem kratkikh svedenii po angliskoi grammatike i orfoepii. Moskva, Sovetskaiia Entsiklopediia, 1965. 766 p.

# RUSSIAN LANGUAGE—DICTIONARIES—GERMAN

Gorokhov, P. K., comp. [Russian-German radio engineering dictionary]. Russko-nemetskii iadiotekhnicheskii slovar'. Izd. 2, ispr. Moskva, Sovetskaiia Entsiklopediia, 1965. 405 p.

# RUSSIAN LANGUAGE—DICTIONARIES—JAPANESE

[Russian-Japanese dictionary]. Russko-japonskii slovar'. [Edited by Ikeda Sadatoshi, 4. ed., Tokyo, 1957]. 1240 p. (Seria slovari "Concise" Sansendo)

# RUSSIAN LANGUAGE—DICTIONARIES—POLYGLOT

Soheka, Z., and others, ed. [Chemical dictionary in 4 languages: English-German-Polish-Russian]. Khimicheskii slovar' na 4 iazykakh: angliskko-nemetskko-pol'sko-russkom. Pri uchastii G. Stiven i T. Stiven (Oksford). Warsaw, Wydawnictwa naukowo-techniczne, [1962] 724 p.

# RUSSIAN LANGUAGE—DICTIONARIES—SPANISH

[Spanish-Russian and Russian-Spanish military dictionary]. Ispano-Russkii i Russko-Ispankii voennyi slovar'. Moskva, Voenizdat, 1965. 632 p.

# RUSSIAN LANGUAGE—DICTIONARIES—SWEDISH

[Russian-Swedish pocket dictionary. Approximately 11,000 words]. Karmannyi russko-shvedskii slovar'. Okolo 11 000 slov. Sost. A. P. Valentinus. Moskva, Sovetskaiia Entsiklopediia, 1965. 407 p.

# RUSSIAN LANGUAGE—DICTIONARIES—VIETNAMESE

[Russian-Vietnamese school dictionary. Approximately 11,200 words]. Russko-Vietnamskii uchebnyi slovar'. Okolo 11 200 slov. Sost. I. V. Tolstaja, Dao Chong Tkhyong. Pod red. Nguyen Van Khanhia. S prilozheniem morfologicheskikh tablits russkogo iazyka, sost. A. A. Zaitznakom. Moskva, Sovetskaiia Entsiklopediia, 1965. 940 p.

# RUSSIAN LANGUAGE—EXAMINATIONS, QUESTIONS, ETC.

Russian language. M. L. Zakozhurnikova, E. L. Glinkina. Nach. shkola. 33 no. 4:20-28 Ap '65.

# RUSSIAN LANGUAGE—HOMONYMS

Algorithmic recognition of the meaning of homonyms; preliminary report. D. G. Lakhutii, V. S. Cherniavskii. NTI no. 1:46-47 '65.

# RUSSIAN LANGUAGE—INTERJECTIONS

Verbal-interjectional forms in 19th century literary Russian. T. N. Prokopovich. Vop. iz. 11 no. 1:1-2 Ja-F '65.

# RUSSIAN LANGUAGE—MACHINE TRANSLATION

Alteration of forms in Russian grammar. T. M. Moloshnina, T. M. Nikolaeva. NTI no. 2:2-3 Ja-F '65.

# RUSSIAN LANGUAGE—MORPHOLOGY

Alteration of forms in Russian grammar. T. M. Moloshnina, T. M. Nikolaeva. NTI no. 2:2-3 Ja-F '65.

# RUSSIAN LANGUAGE—NOUN

Akademii nauk SSSR, Institut russkogo iazyka. [Changes in word formation and the forms of nouns and adjectives in the Russian literary language of the 10th century]. Izmeneniia v slovoobrazovanii i formakh sushchestvitel'nogo i prilagatel'nogo v russkom literaturnom iazyke XIX veka. Pod red. V. V. Vinogradova i N. I. U. Shvedovoi. Moskva, Izd-vo Nauka, 1964. 598 p. (Ocherki po istoricheskoi grammatike russkogo iazyka XIX veka) (Nu) (RPD)

# RUSSIAN LANGUAGE—ORTHOGRAPHY

Akademii nauk SSSR, Institut russkogo iazyka. [Orthography of proper names]. Ortografika sobytnykh imen. Moskva, Nauka, 1965. 145 p.

The discussion "Suggestions for the improvement of Russian orthography." V. P. Grigor'ev. Vop. iz. 14 no. 1:69-75 Ja-F '65.

# RUSSIAN LANGUAGE—PHONOLOGY

On one possibility of interpreting phonological phenomena. T. P. Litnev. Vop. iz. 11 no. 1:81-82 Ja-F '65.

# RUSSIAN LANGUAGE—PRONUNCIATION

Gurbanov, V. V., and others. [Exercises on literary pronunciation and accentuation, manual for secondary school teachers]. Sbornik uprazhnenii po russkomu literaturnomu proiznosheniiu i udareniiu, posobie dlia uchitel'ei srednei shkoly. Moskva, Prosveshchenie, 1964. 161 p. (Nu) (RPD)

# RUSSIAN LANGUAGE—PUNCTUATION

Independent work of correspondence students on punctuation of the Russian language. M. L. Gurbanov, L. I. Gubel'berg. Sred. apeta. obz. 17 no. 1:2-3 Ja-F '65.

# RUSSIAN LANGUAGE—RHYTHM

Analysis of rhythm in "Verba about the land" by Matkovskii. A. N. Kolmogorov. Vop. iz. 13 no. 3:70-75 M-Je '65.

Free trochee and free iambus in Matkovskii's poetry. M. L. Gurbanov. Vop. iz. 14 no. 3:76-78 M-Je '65.

# RUSSIAN LANGUAGE—SPOKEN RUSSIAN

Ozhegov, S. I., and V. P. Grigor'ev, eds. [Our language, how we speak and write]. Nasha roch', kak my govorim i pishem. Moskva, Znaniie, 1963. 110 p. (Nasha shkola: Pedagogicheskii fakul'tet, no. 3)

Teaching of grammatically correct speech. A. A. Kibina. Doshk. vosp. 38 no. 4:24-28 Ap '65.

# RUSSIAN LANGUAGE—STUDY AND TEACHING

(see also subdivision under "Stuttgart")

Efficiency of the Russian language lesson. I. I. Voovodskaya. Nach. shkola. 33 no. 4:87-89 Ap '65.

Good spoken Russian of a teacher. N. V. Kontseva. V. V. Novikova. Nach. shkola. 33 no. 4:88-89 Ap '65.

Ways to overcome the students' failure in the Russian language. V. Dolbromyslov. Nach. shkola. 33 no. 4:90-91 Ap '65.

# RUSSIAN LANGUAGE—STYLE

Attempt at a comparative study in style. M. N. Tsvetkov. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:17-18 Ja-F '65.

Characteristics of metaphoric word usage in the poetry of L. Leonov. A. P. Gurbanov. Vest. Mosk. un. Ser. 7. Filol., zhur. 20 no. 1:13-28 Ja-F '65.

Ozhegov, S. I., and V. P. Grigor'ev, eds. [Our language, how we speak and write]. Nasha roch', kak my govorim i pishem. Moskva, Znaniie, 1963. 110 p. (Nash shkola: Pedagogicheskii fakul'tet, no. 3)

# RUSSIAN LANGUAGE—TRANSLATING

From the foreign language to the native and in reverse. Organizing a course in translating from Russian into a foreign language using German as an example. M. P. Tsviling. Uch. zap. Kaf. perev. MGPIIA no. 2:2-3 Ja-F '65.

# RUSSIAN LANGUAGE—TRANSLITERATION INTO LATIN

Latinization of international telegrams written in Russian. R. O. Jakobson. Vop. iz. no. 1:111-113 Ja-F '65.

## LANGUAGE—VERB

Interjectional forms in 10th century literary  
Jan E. N. Piskopovich, Vop. iz. 14 no. 1:76-  
a-F '65

## LANGUAGE—WORD FORMATION

On word formation in modern Russian E. A.  
Lada, Vop. iz. 14 no. 3:102-110 My-Je '63.

## LANGUAGE—WORD FREQUENCY

ment of probability-statistical analysis of some  
means in the history of literary Russian of the 10th  
th century B. N. Glavin Vop. iz. 11 no. 3:  
146 My-Je '65

## N LANGUAGE—WORDS

Alta nauk SSSR, Institut russkogoazyka. [Male-  
and studies on the lexicon of 10th century Russian]  
izly i issledovaniia po leksike russkogoazyka  
veka. Moskva, Nauka, 1965, 307 p.

, I. I. U. [What's behind the word?] Chto za slo-  
Predisl. Kometa Chukovskogo, Moskva, Polit-  
, 1965, 237 p.

## N LITERATURE

republic libraries must assist in the popularization  
ussian literature. N. E. Dobrynina Bibliot. SSSR  
26:63-76 '64.

## N LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

## N LITERATURE—HISTORY AND CRITICISM

dit and clearness of purpose, critical remarks.  
Zinov, Vop. iz. 9 no. 6:3-24 Je '65.  
great Patriotic War and literature. Poi Stokov.  
abr' 42 no. 6:173-177 Je '65.

his which cannot be surer ended. Mikhail Alekseev.  
mn. Vostok SII 46 no. 10:85-89 My '65.

chic states. . . V. Gusev Vop. iz. 9 no. 3:172-  
Mi '65.

ary life. Vop. iz. 9 no. 3:244-256 Mr '65.

ional traditions in the Russian literature of the 10th  
rmy, conference in Leningrad, IV, V. Sternik,  
est. AN SSSR 39 no. 1:118-120 Ap '65.

in the 1960's we write about the literary decade of  
1920's. U. Mitkovskii. Vop. iz. 9 no. 3:178-189  
'65.

truth must not be distorted. K. Zelinskii. Oktabr'  
no. 4:197-200 Ap '65.

ks of literary scholars in Tartu. N. Fridman. Vop.  
, 9 no. 6:206-214 Je '65.

## IAN LITERATURE—PERIODICALS

almova, V. A. [Gor'kii as editor, 1918-1936] Gor'-  
-redaktor (1918-1936). Moskva, Nauka, 1965,  
6 p.

ograph about "Iskru". P. Belikov Vop. iz. 9 no. 3:  
0-214 Mi '65.

## SIAN LITERATURE—STUDY AND TEACHING

len'kii, G. I. [Theory of literature in the graduating  
lass, developing the concepts of the idea of belonging  
to the Party and socialist realism of Soviet literature]  
eorila literatury v vyusknom klasse; formirovanie  
oniatii o partinosti i socialisticheskom realizme  
ovetskoi literatury. Moskva, Prosveshchenie, 1964,  
78 p. (Pedagogicheskaya biblioteka uchitel'ia)  
(CU)

## SIAN LITERATURE—TRANSLATIONS INTO FOREIGN LANGUAGES

roughout the whole world. I. Belokon'. Oktabr' 42  
no. 6:181-183 Je '65.

## SIAN LITERATURE IN FOREIGN COUNTRIES

roughout the whole world. I. Belokon'. Oktabr' 42  
no. 6:181-183 Je '65.

## SIAN NEWSPAPERS—INDEXES

hronicle of newspaper articles] Let. gazet, st. no. 5  
'65. Vspomogatel'nye ukazatel' k nos. 1-3 za 1965.

## SIAN PERIODICALS—BIBLIOGRAPHY see Bibliography—Russian periodicals

## SIAN PERIODICALS—INDEXES

Chronicle of periodical articles] Let. zhur, st. nos. 23-  
28 '65.

## SIAN PLAIN see East European Plain

## SIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

Concerning the revision of the stratigraphic scale of  
Late Pre-Cambrian sediments in the central and east-  
ern areas of the Russian Platform. L. F. Solonov,  
Izv. Kazan fil. AN SSSR, Ser. geol. nauk no. 10:136-143  
'63

Continental Mesozoic sediments in the Glazovskaya  
syncline of the Russian Platform. P. V. Ivashov,  
V. P. Naborzhnikov, Soob. DVFAN SSSR no. 21:15-21  
'63.

## RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL

Sokolovskii, I. I., and N. G. Volkov. [Methods for  
the stage-by-stage study of recent tectonics, based  
on a study of the southwestern part of the Russian  
Platform] Metodika po etapno izucheniia neotektoniki;  
na plinire lugo-zapada Russkoi platformy. K VII  
kongressu Mezhnatsionalnoi assotsiatsii po izucheniia  
chelverichnogo perioda (INQUA). Kiev, Naukova  
dumka, 1965, 132 p.

## RUSSIAN PLATFORM—POLY ZOA, FOSSIL

Systematic position of the family Hyphasemoridae and  
its scope N. A. Shishova Paleont. zhur. no. 2:55-62  
'65

## RUSSIAN PLATFORM—ROCKS, SILICEOUS

Siliceous rocks from the southeastern part of the Russian  
Platform and the conditions governing their formation  
I. A. Shamrai Lit. i pol. iskop. no. 2:19-27 Mr-Apr  
'65

## RUSSIAN POETRY—HISTORY AND CRITICISM

Civic enthusiasm in our poetry. S. Narovchatov  
Kommunist 42 no. 11:70-82 Ji '65

For beauty, for kindness, for man M. Lapshin Knizh.  
toig. 16 no. 3:41-43 Mr '65

Grigor'ev, V. P. [Dictionary of the language of Soviet  
Russian poetry, a prospectus, examples of dictionary  
articles, instructive materials] Sov. iazyk i russkoi  
sovetskoi poezii; prospekt, obraztsy slovarnykh statei,  
instruktivnye materialy. Moskva, Nauka, 1965, 223 p.  
I shall try to be more precise. St. Rossadn. Vop. iz.  
9 no. 0:177-179 Je '65.

Narovchatov, S. S. [Poetry is spirit in motion] Poezija—  
dushi divizhen'ie. Moskva, Znanie, 1965, 38 p. (Novoe  
v zhizni, nauke, tekhnike. VI Seriya: Literatura i iskus-  
stvo, no. 11)

Poems of the Decembrists on themes of early Russia;  
the second half of the 1820's and the 1830's A. A.  
Ilyushin Vest. Mosk un. Ser. 7: Filol., zhur. 20  
no. 1:1-52 Ja-F '65.

Poetry of the land of Voronezh. A. Kaipov. Vop. iz. 9  
no. 6:230-232 Je '65.

## RUSSIAN SATELLITES see Communist countries

## RUSSIAN SOCIAL DEMOCRATIC PARTY

Ivanov, I. U. G. [In the years of the revolutionary under-  
ground, from the history of the activities of the social-  
democratic organization in Moldavia, 1895-1914]  
V gody revoliutsionnogo podpol'ia, iz istorii delatel'-  
nosti sotsial-demokraticeskikh organizatsii v Moldavii,  
1895-1914 gg. Kishinev, Kartla moldoveniasko, 1963,  
43 p.  
(MH)

## RUSSIANS see subdivision under Angara Valley

## RUSTAM, PASHA BEZIR'IAN, 1908-1964

P. B. Rustam-zade; obituary. Elek. sta. 36 no. 4:91  
Ap '65

## RUSTAVELI, SHOTA, fl. 1190

Studying the biography of the great Rustaveli. G. Akh-  
mediani, G. Margvelashvili. Vop. iz. 9 no. 6:64-72 Je  
'65.

## RUTHENIA see Transcarpathia

## RUTHENIUM

[Chemistry of ruthenium] Khimiiia ruteniia. [By] O. E.  
Zvinglatscv i dr. Moskva, Nauka, 1965, 299 p.

## RUTHENIUM COMPOUNDS

Solutions of Ru(IV) in perchloric and sulfuric acids.  
V. M. Vdovenko, L. N. Lazarev, I. A. S. Khvoostin. Radio-  
khimiiia 7 no. 2:232-240 '65.

## RUTILE

[see also subdivision under Yakkabag Mountains]

Ovorgrowth of rutile by diamond crystals. S. I.  
Futergendlor. Geol. i geofiz. no. 1:172-173 '65

## RUTILE—SPECTRA

Electron paramagnetic resonance spectra generated in  
the adsorption of oxygen on rutile. V. M. Masfikhin,  
L. M. Koteli, N. P. Keizer. Kin. i kat. 6 no. 1:180-181  
Ja-F '65.

## RYAZAN—CHILDREN'S PLAYS

"Green brothers," E. Zonina. Teatr 26 no. 1:104 Ja  
'65.

## RYAZAN—HISTORY—SOURCES

Kuz'mit, A. G. [Ryazan chronicle writing; information  
from the chronicles on Ryazan and Murom up to the mid-  
10th century] Riazanskoe letopisanie; svedeniia letopis-  
sei o Riazani i Murome do serediny XVI veka. Moskva,  
Nauka, 1966, 283 p.

## RYAZAN PROVINCE—BIRDS

New bird species in Ryazan Province. E. S. Plushenko,  
Soob. Irud. Zool. muz. MGU 9:217-219 '65.

## RYE BREEDING

Practices in breeding winter rye. V. I. Savanov, A. G.  
Lukincheva Vest. sel'khoz nauki 6 no. 8:53-58  
Ag '63

## RYNDIN, VADIM FEDOROVICH, 1902-

V. Ryndin as an artist for the theater. V. Borozkin.  
Sov. muz. 29 no. 3:11-17 Mi '65

## SABLES

Methods of the quantitative census of the sable. V. N.  
Nadeev. Biol. MOIP, Old. biol. 70 no. 1:33-36 Ja-  
F '65.

## SAFETY EDUCATION, INDUSTRIAL—STUDY AND TEACHING

Thoughts on the industrial safety education course. B. M.  
Zlobinskii. Vest. vye. shkoly 23 no. 6:12-47 Je '65.

## SAGE

Antimicrobial activity of preparations from some sage  
species. N. A. Derbentseva, S. O. Matvienko, T. I. A.  
Omelychuk. Mikrobiol. zhur. 27 no. 3:76-80 '65.

## SAGETELIAN, GRACHII MARKOSOVICH, 1904-

Grachii Markosovich Sagetelian; on his 60th birthday.  
V. A. Fanardzhian, V. M. Penesian. Vest. rent. i rad.  
40 no. 2:77 Mr-Apr '65.

## SAID-GALIEV, SAKHIBGAREI, 1894-1949

Kasimov, S. S., M. Mukhamitov, and M. Sa (dasheva,  
Sakhibgarai Said-Galiev. Kazan', Tatarskoe knizhnoe  
izd-vo, 1964, 85 p.  
(CS-II)

## SAILORS (NAVY)

Four in a boat. S. Rossinskaya. Sov. voia 17 no. 11:  
32 Je '65.

Friends. L. Dmitriev, M. Ryzhak. Sov. voia 47 no. 11:  
2-3 Je '65

## SAINT EXUPERY, ANTOINE DE, 1900-1964

Be careful with childhood. V. Niznenkova. Dashk. vosp.  
38 no. 4:112-115 Ap '65.

## SAKHALIN—FRUIT CULTURE

Use of growth stimulants in the reproduction of fruit  
and berry crops in Sakhalin. T. G. Voronova Vest.  
sel'khoz nauki 8 no. 8:118-124 Ag '63

## SAKHALIN—GEOLOGY, STRUCTURAL

Tectonic development in Japan and Sakhalin in the Pale-  
ozoic. N. A. Bogdanov Izv. AN SSSR, Ser. geol. 30  
no. 6:51-63 Je '65.

## SAKHALIN—SOILS

Ivlov, A. M. [Soils of Sakhalin] Pochvy Sakhalina.  
Moskva, Nauka, 1965, 113 p.

## SAKHALIN—WOMEN—EMPLOYMENT

In Sakhalin. V. Znam. Sov. toig. 38 no. 3:37 Mr '65

## SAKHALIN PROVINCE see Sakhalin

## SAKSAGAN' VALLEY—MONZONITES

Absolute age of the Saksagan' Plagioclase granites in  
the Krivoy Rog Basin. A. I. Tugainov, S. I. Zerkov, S. F.  
Karpenko. Geokhimiiia no. 2:245-247 F '65.

## SALAIR RANGE—BIRDS

Summer life of the birds in the Salair Ridge. S. I.  
Chumkin. Priroda 54 no. 6:126-127 Je '65.

## SALAIR RANGE—FIELD MICE

Population density and its significance in controlling the  
abundance of the red-backed bank vole. T. V. Koshkina.  
Biol. MOIP, Old. biol. 70 no. 1:5-19 Ja-F '65.

## SALAIR RANGE—METAMORPHISM (GEOLOGY)

Characteristics of the structure of the dynamometamor-  
phism of rocks and ores in the Salair ore zone. A. S.  
Lapukhov. Geol. i geofiz. no. 12:56-71 '64

## SALAIR RANGE—ORE DEPOSITS

Characteristics of the structure of the dynamometamor-  
phism of rocks and ores in the Salair ore zone. A. S.  
Lapukhov. Geol. i geofiz. no. 12:56-71 '64.

## SALAIR RANGE—PLAGIOCLASE

Plagioclases in the basalt effusives of the Upper Prot-  
erozoic and Cambrian in the Altai and Salair Range.  
A. F. Bolosov, V. V. Velinskii, I. U. N. Kochkin. Geol.  
i geofiz. no. 3:183-189 '65.

## SALAIR RANGE—POPULATION

Population density and its significance in controlling the  
abundance of the red-backed bank vole. T. V. Koshkina.  
Biol. MOIP, Old. biol. 70 no. 1:5-19 Ja-F '65.

## SALAKHOV, TAIR

Tair Salakhov works for the theater. Grigorii Anisimov,  
Teatr 26 no. 3:120-121 Mr '65



**SALAVAT (BASHKIRIA)—CONSTRUCTION INDUSTRY**  
Law of a construction project L. Alt'man, Na stroi.  
Ros 6 no 6-6-8 Je '65

#### SALES FORECASTING

Estimating the purchasing power of the population.  
P. Goloschapor, Sov. preib. korp. 9 no 3-14-17  
Mr '65

#### SALICYLALDEHYDE

Derivatives of the reaction of salicylaldehyde thio-  
semicarbazone with nickel, copper and zinc A. V.  
Allov, M. V. Gerbelev, Zhur. neorg. khim. 10 no 5  
1155-1159 My '65

#### SALICYLANILIDE

Habituation of Staphylococci to halogen salicylanilides  
and some antibiotics, I. O. Vasylyeva, L. M. Lyenko,  
M. M. Retmistrov, Mikrobiol. zhur. 27 no 3, 71-  
75 '65.

#### SALICYLIC ACID

Reaction of lithium nitrate with meta and para-hydroxy-  
benzoic acid anions in aqueous solutions K. N.  
Kozlenko, D. V. Kazachenko, Zhur. neorg. khim. 10  
no 4 927-933 Ap '65.

#### SALINE AND ALKALI SOILS

(see also subdivision under Amu Darya Valley,  
Tajikistan)

Determining the absorption capacity of carbonate rich  
salinized soils by the Pfeffer method, T. P. Krüger,  
Kum. Bui. Kh. Pochvovedenie no 3:93-95 Mr '65

Treating salinized soils by direct electric current with  
periodical shifts of polarity E. B. Aibassov, Vest. sel'-  
skhoz. nauki (Kazakh) 8 no 2 63-67 F '65

**SALINE AND ALKALI SOILS—MICROBIOLOGY** see  
subdivision under Bulgaria

#### SALINITY

(see also subdivision under Black Sea, Caspian Sea;  
Norwegian Sea)

Salinity fluctuations in the warm Spitsbergen current.  
A. G. Kisliakov, Trudy, FIMRO no 16:215-225 '64.

Salt composition of the water of the world ocean and its  
changes in time, S. V. Bruevich, Okeanologiya 5  
no 2, 193-205 '65.

#### SALIVA—ANALYSIS

Changes in the content of lysozyme in the saliva of  
rheumatic children under the effect of bicillin therapy  
L. L. Averbanova, F. S. Fideiman, I. B. Vol'man, Anti-  
biotiki 10 no 5 445-447 My '65

#### SALIVARY GLANDS

Histochemical changes in submaxillary glands of rats  
in alloxan diabetes, E. A. Shubnikova, L. P. Chumakova,  
Probl. endok. i gorm. 10 no 4 89-93 Ji-Ag '64.

#### SALIVARY GLANDS—TUMORS

Clinical aspects and treatment of recurring tumors of  
the salivary glands E. A. Rabinovich, Vop. onk. 11  
no 1 67-72 '65.

#### SALMON

(see also subdivision under Far East; Kola Peninsula,  
Pacific Ocean, Pechora River)

Productivity evaluation of egg incubation and keeping of  
prelarvae of salmon in gravel A. M. Kol'gaev, Ryb.  
khoz. 41 no 5:22-23 '65

**SALMON—PARASITES** see Parasites—Salmon

#### SALMONELLA

(see also subdivision under Moscow)

Bacterial factors of the blood serum, Report No. 2:  
Bactericidal properties of sera from animals infected  
with Salmonella typhosa, V. M. Supontsekaia, Zhur.  
mikrobiol., epid. i immun. 42 no 1:31-38 Ja '65.

Conditions of the formation of typhoid antibodies of  
various physicochemical nature, E. V. Chernokhvostova  
and others, Zhur. mikrobiol., epid. i immun. 42 no 2:  
13-19 F '65.

Duration of preserving enzymatic variability in Salmo-  
nella E. G. Livkina, I. B. Popov, E. I. Katseva, Anti-  
biotiki 10 no 5 450-451 My '65

Effect of tetracycline, levomycetin, monomycin and  
streptomycin on Salmonella typhimurium phagocytized  
by macrophages, O. N. Ekzemplarova, Antibiotiki 10  
no 5 420-424 My '65.

In vitro reproduction of Salmonella typhimurium in  
macrophages, O. N. Ekzemplarova, Zhur. mikrobiol.,  
epid. i immun. 42 no 3 88-92 Mr '65.

Sensitivity of typhoid bacteria isolated from patients to  
various antibiotics, G. R. Finn, Antibiotiki 10 no 5  
471-472 My '65.

#### SALMONELLA—CULTURES AND CULTURE MEDIA

Effect of deposition on the distribution of total antigen  
from Gärner's culture, labelled with carbon (C<sup>14</sup>),  
G. V. Shumakova, I. B. Prizhova, Zhur. mikrobiol.,  
epid. i immun. 42 no 2:8-13 F '65.

#### SALMONELLA INFECTIONS

Clinical microbiological characteristics of salmonellosis  
patients treated with monomycin G. V. Voronova, M. G.  
Chakabutinskaya, Antibiotiki 10 no 5:461-465 My '65.

Effect of burns on immunity in salmonellosis, P. I.  
Prilutin, Veterinaria 42 no 5:40-42 My '65.

Effect of cortisone on typhoid bacteria infections in im-  
mune animals, E. I. Zhdova, K. I. Kudrinskova, Zhur.  
mikrobiol., epid. i immun. 42 no 2:27-31 F '65.

Microbiological diagnosis of salmonellosis, P. I. Pri-  
lutin, Veterinaria 41 no 8 29-31 Je '64

Salmonellosis in man and in animals, Kh. O. Pikhil,  
L. K. Leemant, Veterinaria 41 no 4:31-32 Ap '66

#### SALT—DYEING

Effectiveness of the introduction of a drum-type dryer  
for salt and chalk at mixed feed plants, IU. Golandskaia  
Muk. elev. prom. 31 no 2:16-17 F '65

**SALT DEPOSITS** see subdivision under Darya Kol'mes  
Depression

**SALT FISH** see Fish, Salt

#### SALTS

Processes and products of the reaction of high-molecular  
compounds with inorganic salts. Part 5: Physico-  
chemical studies of the reaction of polyacrolein with  
inorganic salts, I. V. Andreeva, E. M. Rogozina, P. F.  
Andreev, Radiokhimiya 7 no 1:83-90 '65.

Use of ultrasound in the production of metallic salts.  
A. I. Riazanov, Trudy MEA no 25:183-182 '63

**SALTS—EFFECT ON PLANTS** see Plants, Effect of  
salts on

#### SALTS—PHYSIOLOGICAL EFFECT

General loss of salts by some Black Sea invertebrates  
in distilled water O. G. Karandoeva, Trudy SBS  
17:368-378 '64

#### SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1889

Writer of bitterness and wrath, S. Makaashin, Vop. lit.  
9 no 6:108-124 Je '65.

**SALVAGE** see subdivision under Chukchi Sea

#### SALYNSKII, AFANASH DMITRIEVICH, 1920-

Afanasiy Salynskiy, N. Oromov, Teatr. 26 no 8:68-74  
Je '65.

#### SALZBURG—SYMPHONY ORCHESTRAS

History of the "Mozartium," Sov. muz. 26 no 5:130  
My '65.

#### SAMARIUM

Samarium pyrophosphates, I. V. Tananaev, G. V.  
Shevchenko, Izv. AN SSSR, Neorg. mat. 1 no 3:369-  
373 Mr '65.

#### SAMOLO, A. S., 1893-

A. S. Samolov's 70th birthday, Sred. veka no 26:223 '64.

#### SAMPLING (STATISTICS)

Evaluating the results of sampling inspection control  
exercised according to plans D(p, p), I. I. Iamov,  
Teor. veroiat. i mat. stat. no 1:26-47 '64.

Multitest statistical sampling inspection control,  
T. Abdurakhmanov, Teor. veroiat. i mat. stat. no 1:  
5-12 '64

Multitest statistical sampling inspection control for  
N → ∞, S. Kh. Sirazhdinov, T. Abdurakhmanov, Teor.  
veroiat. i mat. stat. no 1:113-25 '64.

Practical use of estimators in analyzing the results of  
statistical control of production quality, M. I.  
Eldel'man, I. Iamov, Teor. veroiat. i mat. stat. no 1:  
48-57 '64

#### SAMUR VALLEY—GEOLOGY, STRATIGRAPHIC

Achagyl' sediments in the Samur-Kusarochay interfluvio,  
K. A. Altzade, A. Kh. Babayev, Izv. AN Azerb. SSR, Ser.  
geol.-geog. nauk no 5:31-38 '64.

#### SANATORIUMS

(see also subdivision under Crimea; Karelia)  
Sanatoriums for adolescents, S. I. A. Slutskii, Okhr.  
truda i sots. strakh. 8 no 4:21 Ap '65.

#### SAND—TRANSPORTATION

Current problems in the winning and transportation of  
mineral building materials, A. Prostov, Rech. transp.  
23 no 12:5-8 D '64.

#### SAND, FOUNDRY

(see also subdivision under Soviet Central Asia)

Determining the tendency of mixes with organic admix-  
tures to pincher formation, V. A. Shevchenko, D. M.  
Kolotilo, Mashinostroenie no 3:33-34 My-Je '65.

Double separation and distribution of used sand, V. I.  
Derkachev, V. M. Prikhod'ko, A. A. Tikhonov, Ma-  
shinostroenie no 2:49-50 Mr-Ap '65.

#### SAND, FOUNDRY—ADDITIVES

Combination soluble glass mixtures with improved knock-  
out properties, K. I. Baev, A. I. Kucherov, Shor. trud.  
BITM no 22:13-20 '64.

Effect of water glass additives on the properties of sand  
and play mixtures, G. P. Borisov, B. I. Markhashev,  
Lit. prozv. no 3:44-45 Mr '65.

Improving the knockout properties of soluble sand mix-  
tures with a soluble glass binder in conditions of large-  
batch production of steel castings for sufficient cast-  
ing, M. Koz'min, Shor. trud. BITM no 22:21-26 '64.

Using quick-hardening mixtures with a soluble glass  
binder for large, shaped steel castings in conditions  
of small batch production, K. I. Baev, A. I. Kucherov,  
Shor. trud. BITM no 22:30-35 '64.

Ways of improving the knockout properties of soluble  
mixtures with a soluble glass binder, M. P. Mikhlin,  
Shor. trud. BITM no 22:3-12 '64.

#### SAND, FOUNDRY—COOLING

Sand cooling equipment, N. V. Afanas'ev, M. P. Mikhlin,  
Shor. trud. BITM no 22:41-50 '64.

#### SAND, FOUNDRY—TESTING

Anteils, Aleksha, [Molding materials, mixtures and  
their testing] Formesanas materialai, antistandants  
parbaidos, Riga, Latvian Valsts izdevnieciba, 1963,  
76 p. [in Latvian]

**SAND, GLASS** see subdivision under Ukraine

**SAND AND GRAVEL INDUSTRY** see subdivision under  
Ukraine

#### SAND AND GRAVEL PLANTS—EQUIPMENT AND SUP- PLIES

Standard design of gravel-sorting plant, V. G. Gerasimov,  
Stroil. mat. 11 no 1:32-34 Ja '65.

**SAND FLIES AS CARRIERS OF DISEASE** see subdivision  
under Uzbekistan

#### SANDLASH RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Lower Paleozoic sediments of the Pater  
and Sandlash Ranges, R. N. Abdullayev, Uzb. geog.  
zhur. 9 no 2:50-56 '65.

#### SANDBLAST

Core mixtures prepared by the sandblast method, K. I.  
Vashchenko, P. V. Avramkin, P. A. Varenak, Mashin.  
stroenie no 3:20-23 My-Je '65.

Introducing sandblast mold making, A. N. Gladyshev,  
E. S. Krylov, B. G. Vecherka, Mashinostroenie no 2:  
47-48 Mr-Ap '65.

#### SANDPIPERS

Effect of nesting characteristics of sandpipers on the  
time and nature of their fall migrations, V. B. Kozlov,  
Zool. zhur. 44 no 5:704-707 '65.

**SANDSTONE** see subdivision under Ukraine

#### SANDWICH CONSTRUCTION

Vibrations and stability of a cylindrical sandwich shell  
filled with a noncompressible ideal fluid, V. V. Stejs-  
niuk, Prikl. mekh. 1 no 2:70-85 '65.

#### SANITARY ENGINEERING

(see also subdivision under Bashkiria)  
Kolobanov, S. K., and L. G. Mazurenko, [Industrializing  
sanitary engineering operations] Industriyatsiya  
sanitarno-tekhnicheskikh rabot, Kiev, Budivol'syk,  
1965, 27 p. [Biblioteka inzhenera-santekhnika]

#### SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES

New kinds of sanitary engineering equipment, Stroil.  
mat. 11 no 4:34 Ap '65.

#### SANITARY ENGINEERING—SAFETY MEASURES

Russia (1923- U. S. S. R.) Glavnoe upravlenie sanitar-  
no-tekhnicheskogo monitoringa, [Safety engineering in-  
structions for carrying out interior sanitary engineering  
operations in construction] Industriyatsiya  
tekhnike bezopasnosti pri proizvodstve vnutrennikh san-  
itarno-tekhnicheskikh rabot na stroitel'stvo, Moskva,  
Stroizdat, 1965, 227 p.

#### SARATOV—OPERA

Joy and sorrows of the Saratov Opera House, M. G. G.  
Sov. muz. 26 no 5:1-52 My '65.

#### SARATOV—TECHNOLOGICAL INNOVATIONS—FINANCE

Sources of refunding credit for new equipment,  
G. Korobova, Den. kred. 23 no 8:133-34 My '65

#### SARATOV PROVINCE—BITUMEN—GEOLOGY

Relation of disseminated bituminosity to the tectonics  
and petroleum and gas potentials of local structures  
in the Volga Valley portion of Saratov Province,  
G. M. Davydov, T. M. Morozova, Trudy NVNIKh  
no 1:62-66 '64.

#### SARATOV PROVINCE—BOOKSELLERS AND BOOK- SELLING

Introduce cost accounting, R. Rozentfeld, Knizh. tor-  
g. 16 no 3:27 Mr '65.

#### SARATOV PROVINCE—CLAY

Microgasometry of the clay solutions of deep wells  
in the Volga Valley portion of Saratov Province,  
D. S. Korobov, G. M. Davydov, Trudy NVNIKh no 1:  
68-73 '64.

**SARATOV PROVINCE—GAS, NATURAL—GEOLOGY**

Conditions governing the formation of gas pools in the Jivet sediments of the Stepanovskoye upland. E. M. Gellor, Trudy NVNIIGG no. 1:33-40 '64.

Evaluation of the oil and gas potentials of Paleozoic carbonate reservoir rocks as revealed by a study in the Volga Valley portion of Saratov Province. I. E. Eldman, I. U. M. Martynov. Trudy NVNIIGG no. 1:137-145 '64.

Relation of disseminated bituminosity to the tectonics and petroleum and gas potentials of local structures in the Volga Valley portion of Saratov Province. G. M. Davydov, T. M. Morozova. Trudy NVNIIGG no. 1:82-90 '64.

**SARATOV PROVINCE—GAS WELLS—HYDRAULIC FRACTURING**

Hydraulic fracturing in gas wells. V. P. Goncharov, A. K. Gorshkov, A. I. Babalin. Gaz. delo no. 5:10-12 '65.

**SARATOV PROVINCE—GASOMETRY**

Microgasometry of the clay solutions of deep wells in the Volga Valley portion of Saratov Province. D. S. Korobov, G. M. Davydov. Trudy NVNIIGG no. 1:68-73 '64.

**SARATOV PROVINCE—GEOLOGY, STRATIGRAPHIC**

Upper Carboniferous of the Volga Valley portion in Saratov Province. I. N. Orlowa, I. A. Chernova. Trudy NVNIIGG no. 1:76-77 '64.

**SARATOV PROVINCE—GRAIN**

Protection of grain crops in Saratov Province. P. Trofimov, V. Korlov. Zashch. rast. ot vied. i bol. 10 no. 5:17-20 '65.

**SARATOV PROVINCE—LANDFORMS**

Prospecting significance for some forms of Pro-Archegyl' relief. E. I. Denisovskaya. Trudy NVNIIGG no. 1:48-52 '64.

**SARATOV PROVINCE—MILLET**

251 pools of millet per hectare. L. P. Fomin, Zemledelo 27 no. 5:62 My '65.

**SARATOV PROVINCE—PETROLEUM—ANALYSIS**

Relation of the composition of Jivet oils in the Volga Valley portion of Saratov Province to the geological conditions governing the existence of pools. V. V. Artem'eva, L. A. Vavayeva. Trudy NVNIIGG no. 1:58-62 '64.

**SARATOV PROVINCE—PETROLEUM GEOLOGY**

Evaluation of the oil and gas potentials of Paleozoic carbonate reservoir rocks as revealed by a study in the Volga Valley portion of Saratov Province. I. E. Eldman, I. U. M. Martynov. Trudy NVNIIGG no. 1:137-145 '64.

Relation of disseminated bituminosity to the tectonics and petroleum and gas potentials of local structures in the Volga Valley portion of Saratov Province. G. M. Davydov, T. M. Morozova. Trudy NVNIIGG no. 1:82-90 '64.

Relation of the composition of Jivet oils in the Volga Valley portion of Saratov Province to the geological conditions governing the existence of pools. V. V. Artem'eva, L. A. Vavayeva. Trudy NVNIIGG no. 1:58-62 '64.

**SARATOV PROVINCE—PROSPECTING**

Prospecting significance for some forms of Pro-Archegyl' relief. E. I. Denisovskaya. Trudy NVNIIGG no. 1:48-52 '64.

**SARATOV PROVINCE—ROCKS, SEDIMENTARY**

Conditions governing the formation of Tatarian sediments in the trans-Volga portion of Saratov Province. V. E. Latskova. Trudy NVNIIGG no. 1:77-78 '64.

**SARATOV PROVINCE—SEISMIC PROSPECTING**

Geological effectiveness of seismic prospecting in the Volga Valley portion of Saratov Province. P. M. Bystritskaya. Trudy NVNIIGG no. 1:98-105 '64.

Results of the generalization of materials on seismic prospecting in the Volga Valley portion of Saratov Province. A. A. Morozova. Trudy NVNIIGG no. 1:92-99 '64.

Structure of media close to seismic boundaries in the Volga Valley portion of Saratov Province. A. T. Ivankina. Trudy NVNIIGG no. 1:128-129 '64.

**SARATOV PROVINCE—TRACE ELEMENTS**

Prospecting significance for manganese, strontium, and barium in the deep waters of the oil field in the Volga Valley portion of Saratov and Volgograd Provinces. D. S. Korobov. Trudy NVNIIGG no. 1:73-75 '64.

**SARCINA**

Effect of Sarcina lutea preparations on the micro-organisms and animals. B. A. Matvienko, B. Tolysbaev. Veterinaria 42 no. 5:42-44 My '65.

**SARCOLYSINE**

Nature of reparative processes in the bones of patients with myeloma treated with sarcolysine. I. L. Tager, N. V. Merkulova, M. S. Tsechovskii. Vest. rent. i rad. 40 no. 2:13-17 Mr-Apr '65.

Treatment of multiple myelomas with sarcolysine, ACTH and corticosteroids. A. N. Chigirinskii. Vop. onk. 11 no. 3:118-121 '65.

**SAR'IAN, MARTIUS SERGEEVICH, 1880-**

Drampal, R. G. Sar'ian, [Moskva] Iskustvo, 1964, 124 p., illus. (NIC)

**SARMATIANS**

The religious and magic conception of myths among the Sarmatians. A. M. Khazakov. Sov. etn. no. 3:88-90 My-Je '61.

**SATELLITES, ARTIFICIAL** see Artificial satellites**SATYRIDAE** see subdivision under Crimea**SAUKOV, ALEKSANDR ALEKSANDROVICH, 1902-1964**

Aleksandr Aleksandrovich Saukov, obituary. Geokhimiia no. 2:248-249 F '65.

**SAUREL**

(see also subdivision under Black Sea)

Rapid method of smoking Atlantic saurel. V. P. Skachkov, A. E. Tseluiko. Ryb. khoz. 41 no. 5:61-62 '65.

**SAVINGS BANKS**

Savings banks in the closing year of the five-year plan. P. Chetverikov. Don. i kred. 23 no. 6:10-15 Je '65.

**SAWS**

Precision of sawing with log frame saws. V. I. Plaksan. Der. prom. 14 no. 2:9-12 F '65.

**SAWS—MAINTENANCE AND REPAIR**

Methods of shaping flattened teeth of frame saws. E. M. Borovikov. Der. prom. 14 no. 5:12-13 My '65.

The PSh-3M mechanized saw forging die. E. N. Koshcheev. Der. prom. 14 no. 2:15 F '65.

**SAYAN MOUNTAINS—FOREST SOILS**

Microflora of mountain soils of the cedar-fir forests and their clearance areas. Z. V. Vishniakova. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3:67-61 '64.

**SAYAN MOUNTAINS—GEOLOGY**

Holographs of seismic waves and the thickness of the earth's crust in the Altai-Sayan fold area based on data obtained by recording industrial explosions and local earthquakes. N. D. Zhalkovskii, G. M. Tsimul'chik, I. D. Tsimul'chik. Geol. i geofiz. no. 1:173-179 '65.

**SAYAN MOUNTAINS—GEOLOGY, STRUCTURAL**

Newest tectonic movements in the Eastern Sayan Mountains. A. S. Mitropol'skii, A. M. Anisichenko. Geol. i geofiz. no. 12:112-118 '64.

Structure of the Shindinskii pluton (Eastern Sayan) according to geological and geophysical data. E. P. Puchkov, G. S. Fedoseev. Geol. i geofiz. no. 3:84-88 '65.

**SAYAN MOUNTAINS—MAGNETIC ANOMALIES**

Interpretation of magnetic anomalies in the northwestern part of the Altai-Sayan fold area. E. V. Tuluzakova. Izv. AN SSSR, Ser. geol. 30 no. 6:72-77 Je '65.

**SAYAN MOUNTAINS—METAMORPHISM (GEOLOGY)**

Hydrothermal manifestations in the Jurassic sediments of the Eastern Sayan Mountains. V. A. Globa, I. V. Gordienko, A. P. Shmotov. Geol. i geofiz. no. 12:127-134 '64.

**SAYAN MOUNTAINS—ORE DEPOSITS**

Hydrothermal manifestations in the Jurassic sediments of the Eastern Sayan Mountains. V. A. Globa, I. V. Gordienko, A. P. Shmotov. Geol. i geofiz. no. 12:127-134 '64.

**SAYAN MOUNTAINS—PALEOGEOGRAPHY**

Conditions governing the accumulation of Lower Carboniferous sediments in the eastern part of the Sayan-Altai area. G. N. Brovkov, M. I. Graizer, A. E. Mogilev. Geol. i geofiz. no. 1:100-123 '65.

**SAYAN MOUNTAINS—PASTURES AND MEADOWS**

Formation of vegetation on drag dumps. A. V. Kuzmina. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3:91-95 '64.

**SCALE INSECTS**

Chinese wax scale (Eucoriscus pala Chav., Homoptera, Coccoidae) in the U.S.S.R., E. M. Dantsig. Zool. zhur. 44 no. 4:537-540 '65.

**SCANDINAVIA—RELATIONS (GENERAL) WITH RUSSIA**

Fruitful cooperation. V. Bokov. Mezhdunar. zhizn' 12 no. 8:106-107 Je '65.

**SCANDINAVIAN STUDIES**

A conference on the history, economy, language and literature of the Scandinavian countries and Finland. A. S. Sred. veka no. 28:204-205 '64.

**SCANDIUM**

Thermal stability of scandium sulfates and their solubility in sulfuric acid solutions at 25°C. L. N. Komissarova, V. M. Shalski, G. I. Moiseichenko. Zhur. neorg. khim. 10 no. 4:755-763 Ap '65.

**SCANDIUM COMPOUNDS**

Complex formation in the scandium-dianthipyrylmethane-iodide system. V. P. Zhivopistsev, I. S. Kalmykova. Zhur. neorg. khim. 10 no. 5:1126-1130 My '65.

Scandium oxalate-carbonate compounds. I. A. Fedorov, T. A. Bulakeeva. Zhur. neorg. khim. 10 no. 5:1258-1259 My '65.

**SCANDIUM FLUORIDE**

System of sodium, potassium, and scandium fluorides. E. P. Babaeva, G. A. Bukhalova. Zhur. neorg. khim. 10 no. 6:1455-1458 Je '65.

**SCARLET FEVER**

Effectiveness of using short-ultraviolet rays in the treatment of scarlet fever. K. A. Amirdzhanov, M. G. Valdova. Azerb. med. zhur. 42 no. 3:54-58 Mr '65.

**SCENE PAINTING**

In one's own voice. N. Zhagin. Teatr 26 no. 3:110-111 Mr '65.

**SCHEDULING (MANAGEMENT)**

Finding critical paths in the network schedules. V. S. Mikhail'son. Ekon. i mat. metod. 1 no. 2:255-261 Mr-Apr '65.

System of planning and administration on the basis of network schedules. A. Iakovlev. Plan. khoz. 42 no. 6:20-31 Je '65.

Systems of network planning and administration by creating complex objects. I. U. A. Avdeev, A. P. Nikolaeva. Ryb. khoz. 41 no. 5:73-74 '65.

**SCHEDULING (MANAGEMENT)—STUDY AND TEACHING**

They should know the system of network planning and administration. O. A. Orsiannikov. Vest. vys. shkoly 23 no. 6:17-11 Je '65.

**SCHISTOSOMA**

Observations of the emergence of miracidia from schistosome eggs. H. O. Abu Senna, M. Bassaly. Med. paraz. i paraz. bol. 33 no. 6:704-706 N-D '64.

**SCHIZOPHRENIA**

Clinical aspects of acute appearances of recurrent schizophrenia. B. M. Kutsenok. Zhur. nevr. i pskh. 64 no. 11:1883-1887 '64.

Effect of repeated treatment with aminazine on the schizophrenic process. R. I. Zolotnitskii. Zhur. nevr. i pskh. 64 no. 11:1728-1733 '64.

Effect of systematic treatment with aminazine on the course of recurrent schizophrenia. V. A. Egorov. Zhur. nevr. i pskh. 64 no. 11:1734-1740 '64.

Hyperglycemic action of the blood serum in schizophrenia patients. L. Z. Gaskin. Zhur. nevr. i pskh. 64 no. 11:1701-1704 '64.

Some remarks to the evaluation of enzyme activity and indices of bilirubin in the diagnosis of diseases of the liver in schizophrenia patients. M. K. Caune, Z. P. Jaksons, A. K. Filipenko. Zhur. nevr. i pskh. 64 no. 11:1705-1711 '64.

**SCHMENKEL, FRITZ, 1916-1944**

Zembov, A. [Heroic deed of Fritz Schmenkel] Podvig Fritsa Schmenkela, Moskva, Pravda, 1965. 62 p.

**SCHOOL EXCURSIONS**

Along the roads of glorious victories. Z. Bonks. Nar. obr. no. 6:74-76 Je '65.

Our nature and the work of those around us. A. Kozhukhova, V. Kikueva. Doshk. voep. 38 no. 3:42-45 Mr '65.

Where do our fathers and mothers work? E. Mikhlenko. Doshk. voep. 38 no. 3:40-42 Mr '65.

**SCHOOL GARDENS**

Creative work in a school garden. V. Mozhegov. Nar. obr. no. 6:85-87 Je '65.

For school flower gardens. B. A. Bykov. Nach. shkola 33 no. 4:58-59 Ap '65.

Let's landscape our school gardens! P. Men'shikova. Doshk. voep. 38 no. 3:52-54 Mr '65.

**SCHOOL HYGIENE**

Hygiene of writing. N. N. Kuzhzh. Nach. shkola 33 no. 5:75-78 My '65.

**SCHOOL LIBRARIES**

What was shown by the survey of libraries. V. Vorob'eva. Nar. obr. no. 7:81-84 Ji '65.

**SCHOOL MANAGEMENT AND ORGANIZATION**

The house I live in. N. Dolina. Nar. obr. no. 7:59-62 Ji '65.

**SCHOOL MUSIC—INSTRUCTION AND STUDY**

Vakhromeev, V. A. [Methods of teaching solfeggio in children's musical schools] Voprosy metodiki prepodavaniia sol'fedzhio v detskoi muzykal'noi shkole, Moskva, Gos. muz. izd-vo, 1963. 87 p.

## SCHOOL SUPERVISION

(See also subdivision under Alma-Ata, Altai Territory, Tatar A.S.S.R., Volgograd Province)  
Let's improve organizational and pedagogical supervision. *Nar. obr.* no. 11-17 Je '65  
Supervision of a preschool institution. *M. Denisov. Fiziol. zhur.* 39 no. 4:79-80 Ap '65

## SCHOOLHOUSES

Children are the main thing. I. G. Butenko. *Doshk. zap.* 38 no. 6:87 Je '65

## SCHOOLS—FURNITURE, EQUIPMENT, ETC.

Inventories and initiative. D. Raskina. *Nar. obr.* no. 7:36-37 Ju '65  
Selfies and cupboards for visual aids. I. M. Zarits, T. A. Zaslavskaya. *Spets. zap. obr.* 12 no. 2:52 F '65

## SCIATIC NERVE

Changes in the electrical activity of the hypothalamus following stimulation of a sensory nerve and introduction of adrenalin. A. V. Tonkikh, A. I. Il'ina, S. P. Teplov, Fiziol. zhur. 51 no. 6:755-761 Je '65

## SCIENCE

Information and the principles of natural science, I. I. Sedov. *Vest. AN SSSR* 35 no. 5:116-125 My '65

## SCIENCE—BIBLIOGRAPHY see Bibliography—Science

## SCIENCE—INFORMATION SERVICES

Science and technology documentation in an information system. M. I. Polchinskii, S. L. Kruglov. *NTI* no. 4:9-18 '65  
Some aspects of the work of the Scientific and Technological Information Section of the Research Institute IA S. Schneiderman. *NTI* no. 3:6-8 '65  
V. I. Lenin and the problems of scientific and technical information and propaganda. A. I. Fridman. *NTI* no. 4:3-8 '65

## SCIENCE—PHILOSOPHY

Lenin's ideas and modern natural science. V. I. Siforov, I. B. Nork, M. S. Slutskii. *Vest. AN SSSR* 35 no. 4:5-10 Ap '65

Philosophical seminar at the physics and mathematics department. N. S. Ponomarev. *Vest. vyzn. shkoly* 23 no. 6:81-85 Je '65

## SCIENCE—STUDY AND TEACHING

Training scientific specialists in the R.S.F.S.R. S. G. Yablonskii, A. S. Dobrynin. *Bull. tekhn.-ekon. inform. Gos. nauch.-issled. inst. tekhn. inform.* 19 no. 5:55-57 My '65

## SCIENCE—TRANSLATING

Technical translator's work with a dictionary. A. I. Fridman. *NTI* no. 3:11-17 '65

## SCIENCE AND ART see Art and science

## SCIENCE AND LITERATURE see Literature and science

## SCIENCE FICTION

What does science fiction teach us? Miron Petrovskii. *Sovetskaya shkola* 20 no. 4:33-35 Ap '65

## SCIENTIFIC LIBRARIES

(See also subdivision under Irkutsk)

Work of libraries with readers who are young research workers, based on the study of their interests in the library of the scientific-research institute. F. N. Nikiforova. *Bibliot. SSSR* no. 26:51-62 '64

## SCIENTISTS see subdivision under Leningrad

## SCINTILLATION COUNTERS

Synthesis of 4-methoxy-*p*-terphenyl. S. A. Vardanian, A. G. Vardanian. *Izv. AN Arm. SSR Khim. nauki* 17 no. 4:428-430 '64  
Testing the scintillation counter designed by the Central Scientific Research and Design Institute for Fuel Systems of Motortruck, Tractor, and Stationary Engines for studying the wearing out of engine parts using radiolabels. V. V. Dolbin. *Zap. Len. sel'khoz. inst.* 83:74-81 '61

Use of a scintillation counter in recording a stream of secondary electrons when studying secondary ion-electron emission with the aid of the pulse counting method. U. A. Arifov, V. I. Kogan, A. Kh. Khalikov. *Izv. AN Uz SSR Ser. fiz.-mat. nauk* 9 no. 2:16-22 '65

## SCIENOTINIA

Use of trichodermin for controlling *Sciobolus libertaria* of cucumbers under glass. M. A. Darozhkin, A. A. Sopanova. *Vestis AR BSSR Ser. sel'khoz. nauki* no. 4:64-66 '64

## SCORPION FISHES see subdivision under Newfoundland, Pacific Ocean

## SCOTLAND—CLAY

Clayey minerals in Scottish soils. R. C. Mackenzie. *Pochvovedenie* no. 4:78-87 Ap '65

## SCRAP METALS

Making use of cast iron scrap. A. M. Tironko. *Lit. proizv.* no. 2:5-6 F '65  
Metallurgical characteristics of remelting cast iron scrap. B. A. Noskov, S. I. Tsukerman. *Lit. proizv.* no. 2:3-5 F '65  
Remelting ShKh15 steel scrap. I. G. Dorofeev, V. P. Matveev, I. N. Nikitenko. *Lit. proizv.* no. 2:7-9 F '65

## SCRAPERS

D-542 scrapers with curved blades and bottom. D. I. Fedotov, N. A. Nedozvezov, N. V. Gulina. *Mekh. stroit.* 22 no. 2:12-14 F '65

## SCREENS (MINING)—ELECTRIC DRIVING

Improvement of the drive of a vibrating, self-balancing, and self-canceling grizzly. *Metallurg* 10 no. 5:14 My '65

## SCREW CUTTING

Tal'pa, S. M. [Thread grinding] *Rezhishil'forn'nye raboty*. Moskva, Vysshaya shkola, 1965. 346 p.

## SCREW THREAD ROLLING

Thread rolling on screw parts. V. V. Lapin. *Trudy LPI* no. 243:167-172 '65

## SCRUBBER (CHEMICAL TECHNOLOGY)

Automatic maintenance of the water level in scrubbers for the water purification of gas by removing CO<sub>2</sub>. E. A. Glovinskii, V. A. Lebedev. *Neftoper. i neftekhim.* no. 1:46-47 '65

SEA ICE see subdivision 'Ice' under Barents Sea, Davis Strait, Kara Sea, Labrador Sea

SEA ICE DRIFT see subdivision under Okhotsk, Sea of

SEA LEVEL see subdivision under Caspian Sea

## SEALING (TECHNOLOGY)

Device for sealing joints. V. Tkachenko. *Stroitel'skii. 12 no. 2:29-30 F '65*  
New method for the adjustment and control of tin can sealing mechanisms and technological sealing machines. G. F. Moldavskii, T. I. Kukushkina. *Kons. i ov. prom.* 20 no. 6:12-13 Je '65

## SEALING COMPOUNDS

Polyamide resin sealings for heavy-duty hydraulic presses. L. I. Mal'kh, I. V. Ivanova. *Vest. mashinostr.* 45 no. 5:34-37 My '65

SEALS (ANIMALS) see subdivision under Okhotsk, Sea of

## SEASHORE

On the stable form of equilibrium of a pebble shore exposed to the surf. S. S. Givogian. *Prikl. mat. i mekh.* 29 no. 2:387-391 Mr.-Ap '65  
Some results of the study of the recent facies in the littoral zone of the sea. A. A. Aksenov, Lit. i pol. iskop. no. 2:141-153 Mr.-Ap '65

## SEASONS see subdivision under Arctic regions

## SEAWATER—COMPOSITION

(See also subdivision under Bering Sea)

Conditions of the formation of primary food resources of the ocean. M. V. Fedosov. *Trudy VNIRO* 57:145-160 '65

Methodology of determining bituminous substances in suspension. I. U. A. Bogdanov, L. I. Ovchinnikova. *Okeanologiya* 5 no. 2:356-371 '65

Reconstruction of the hydrochemical conditions of ancient sea basins based on geochemical indications. I. S. Gramberg, N. S. Spiro. *Metod. paleogeog. issl.* no. 1:6-15 '64

Reconstruction of the hydrochemical conditions of ancient sea basins based on lithological and geochemical indications. G. I. Teodorovich. *Metod. paleogeog. issl.* no. 1:16-43 '64

## SEAWATER—OXYGEN CONTENT

The oxygen regime, an index of the primary productivity of marine waters. M. V. Fedosov, V. V. Volkovinskii. *Trudy VNIRO* 57:131-144 '65

## SEAWATER—THERMODYNAMICS

Thermal constants of seawater. V. N. Slesarenko. *Izv. vyzn. ucheb. zav. i energ.* 8 no. 5:117-119 My '65

## SECONDARY ELECTRON EMISSION

Angular dependence of the complete energy spectrum of secondary electrons during the bombardment of metals with electrons. U. A. Arifov, A. Kh. Kasymov. *Izv. AN Uz SSR Ser. fiz.-mat. nauk* 9 no. 2:23-28 '65

Secondary electron emission from solids with oblique incidence of primary electrons. I. M. Bronshteyn, S. S. Denisov. *Fiz. tverd. tela* 7 no. 6:1846-1855 Je '65

Use of a scintillation counter in recording a stream of secondary electrons when studying secondary ion-electron emission with the aid of the pulse counting method. U. A. Arifov, V. I. Kogan, A. Kh. Khalikov. *Izv. AN Uz SSR Ser. fiz.-mat. nauk* 9 no. 2:16-22 '65

## SECONDARY RECOVERY OF OIL

Automatic control of the dynamic level in oil supply wells. G. F. Mulanidze. *Nefteprom. i neft. 30-31 '65*

## SECRET SOCIETIES

Linkov, I. A. I. [A. I. Herizen and N. P. Ogareva's role in the struggle and the secret society "Izvestiya" in the 1860's] *Revolyutsionnaya bor'ba A. I. Ogareva i N. P. Ogareva (1860-1865)*. Moskva, Nauka, 1964. 474 p.

## SECTS

Stryuka, M. A. [Beware of obscurantism] *Slovo i deelo (vesti iz smysla)* Minsk, Belarus', 1961. 14 p. (Biblioteka ateista)

## SEDIMENTARY ROCKS see Rocks, Sedimentary

## SEDIMENTATION ANALYSIS—EQUIPMENT AND METHODS

Equipment for the automatic sedimentation analysis of various pulps and suspensions; an automatic sedimentation meter. V. I. Kononov, V. M. Rodin. *Met. 38 no. 3:22-24 Mr. '65*

## SEDIMENTATION AND DEPOSITION

Basic features of the geochemistry of hydrocarbon elements in weathering and sedimentation processes. A. B. Ronov, A. A. Migdalov. *Geofizika* 10 no. 1:158 F '65  
Storm-caused sedimentation of gata and their deposits. G. Bushkirev. *Mor. flot* 25 no. 4:31-32 Ap '65

## SEDOHEPTULOSE

Formation of sedoheptulose-7-phosphate in plants in acute D<sub>2</sub> avitaminosis caused by oxidation of D<sub>2</sub>. T. V. Trebukhina, I. M. Ostrovskii. *Biokhim. zh.* 60:609-614 Ju.-Ag '64

## SEED HANDLING

Change in the quality of seeds under the influence of S. D. Putsyn. *Vest. sel'khoz. nauki* 8 no. 8:100-104 Ag '63

## SEED POTATOES

Ambrosov, A. L. [Virus diseases of potatoes and their control for growing healthy tubers] *Virusnye bol'noznosti i melody vyrashchivaniya zdorovykh klubnich. (vospit. N. A. Dorozhkin, Minsk, Urozhai, 1963. 100 p. (DNL)*

Potatoes in seed plots. D. I. Filin. *Zemletr. 2 no. 5:86-88 My '65*

## SEEDLINGS

Determining the intensity of the growth of seedlings by the weight method. V. I. Mosin. *Vest. sel'khoz. nauki* (Kazakh) 8 no. 2:58-62 F '65

## SEEDS

Change in the composition of proteins in the seeds of lentil, cowpea and chick-pea. V. I. Kibrikov, A. V. Bezozrikov, G. N. Leonov. *Biokhim. zh.* 60:1001 Ju.-Ag '64

Use high-quality seed for spring sowing. V. I. Kireev. *Muk. i elev. prom.* 31 no. 2:6-7 F '65

## SEEDS—CLEANING

Analyzing the working process of an electrically driven seed cleaning machine using the inner surface of a rotating cylinder. S. M. Grigor'ev, M. V. Kireev. *Zap. Len. sel'khoz. inst.* 85:102-171 '61

Experimental study of the possibility of the use of the inner surface of a horizontally rotating cylinder for cleaning and grading of seed. S. M. Grigor'ev, M. V. Kireev, D. M. Luzanov. *Zap. Len. sel'khoz. inst.* 85:143-161 '61

## SEEDS—DISINFECTION

Treatment of pea seeds with hexachlorocyclopentadiene is not efficient. M. Moldovan, M. Larionenko. *Zashch. rast. i vred. bol.* 10 no. 4:113-118 '65

Use of insecticides with adhesives. N. Karavayev, V. Pakhomov. *Zashch. rast. i vred. bol.* 10 no. 4:113-118 '65

## SEEDS—GRADING

Experimental study of the possibility of the use of the inner surface of a horizontally rotating cylinder for cleaning and grading of seed. S. M. Grigor'ev, M. V. Kireev, D. M. Luzanov. *Zap. Len. sel'khoz. inst.* 85:143-161 '61

## SEEDS—STRATIFICATION

Effect of electric current on the stratification of cherry seeds. I. N. Lukova, P. M. Oleshko. *Fiziol. rast.* 12 no. 2:238-241 Mr.-Ap '65

## SEEDS, EFFECT OF ELECTRICITY ON

Effect of electric current on the stratification of cherry seeds. I. N. Lukova, P. M. Oleshko. *Fiziol. rast.* 12 no. 2:238-241 Mr-Apr '65

## SEIFULLIN, SAKEN, 1894-1930

Saken Seifullin was a poet of the revolution. T. Kozhaev. *Vop. lit.* 9 no. 3:229-230 Mr '65.

## SEIGNETTOELECTRIC SUBSTANCES see Ferroelectric substances

## SEISMIC PROSPECTING

(see also subdivision under Belorussia region; Zaporozhye Province, Carpathian Mountain region; Dnieper-Donets Lowland, Saratov Province, Tatar A.S.S.R.)  
Characteristics of wave hodographs in media with varying velocities divided by a vertical boundary. I. R. Obolontseva. *Geol. i geofiz.* no. 3:115-127 '65  
Effective form of the explosive charge in deep seismic sounding of the earth's crust. V. G. Afonin. *Geofiz. sbor.* no. 8:97-100 '64  
Frequency method for studying conditions governing the formation of reflections from boundaries in a thin-layered medium. B. I. Despiatov. *Trudy NVNIIGG* no. 1:115-128 '64  
One inverse problem in the geometrical seismic prospecting of inhomogeneous media. T. I. Chelgina. *Izv. AN SSSR, Fiz. zem.* no. 5:7-11 '65  
Optimum conditions governing explosions. B. I. Despiatov. *Trudy NVNIIGG* no. 1:109-115 '64  
Recording the successive arrivals of elastic waves in seismic logging, based on modeling data. A. I. D'achkova. *Geofiz. sbor.* no. 8:92-96 '64  
Study of circum-well space using the method of forward waves. A. S. Kefell. *Geol. i geofiz.* no. 3:110-146 '65  
Use of regulated electric delay lines for kinematic corrections in seismic recording. I. Klugman, B. L. Lerner. *Trudy NVNIIGG* no. 1:132-137 '64

## SEISMIC PROSPECTING—EQUIPMENT AND SUPPLIES

Use of an electrokinetic transformer as pressure type seismic detector. M. S. Khatmazade, Kh. F. Guseinov. *Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk* no. 1:80-86 '65.

## SEISMIC WAVES

Change of the velocity of longitudinal waves and densities during phase and chemical transitions in the earth's interior. I. Sh. Rakhimova. *Geofiz. sbor.* no. 9:75-82 '64  
Direction of displacements in a longitudinal wave propagating along the free boundary of an elastic medium. A. A. Gvozdev. *Izv. AN SSSR, Fiz. zem.* no. 2:85-89 '65  
Intensity of waves reflected from the boundaries of the second kind in the earth's mantle. N. G. Mikhailova, B. S. Paritskii. *Izv. AN SSSR, Fiz. zem.* no. 5:63-66 '65  
Interference of Sh waves in an elastic spherical layer lying on an elastic sphere. Part 2. Z. A. Anson. *Izv. AN SSSR, Fiz. zem.* no. 5:12-24 '65  
Probabilities of false amplitude expansion and false phase axes. S. V. Goldin. *Geol. i geofiz.* no. 1:73-91 '65  
Using the cophasal axes of azimuthal seismograms in determining the parameters of elliptically polarized vibration. V. I. Bondarev. *Izv. AN SSSR, Fiz. zem.* no. 5:82-93 '65

## SEISMOLOGY

(see also subdivision under Antarctic regions, Arctic regions; Far East)  
Conducting macroseismic studies. I. E. Gubin. *Izv. AN SSSR, Fiz. zem.* no. 2:11-20 '65  
Seismic belts of the globe and their energy characteristics during the period 1959-1960. N. V. Golubeva. *Izv. AN SSSR, Fiz. zem.* no. 5:4-6 '65.

## SEKAZIN

Experimental chemotherapeutic study of the antihelminthic monomycin and sekazin. V. D. Nosina, Med. paraz. i parazit. 33 no. 6:671-676 N-D '61

## SELENIDES

Production of rare-earth selenides by the reduction of selenites. L. I. A. Markovskii, M. S. Soboleva, I. U. P. Sapozhnikov. *Zhur. prikl. khim.* 38 no. 4:717-720 Apr '65.

## SELENIOS ACID

Selenotungstovanadate acid. N. A. Polotebnova. *Zhur. neorg. khim.* 10 no. 5:1498-1499 Je '65.

## SELENITES

Composition and certain properties of mercury selenite. I. U. P. Sapozhnikov, L. I. A. Markovskii. *Zhur. neorg. khim.* 10 no. 5:1399-1401 Je '65.

## SELENIUM

(see also subdivision under Asia, Central; Uzbekistan)  
Effect of a phosphorus impurity on the temperature-time dependence of the strength of selenium. B. B. Kullov, S. A. Abasov, Kh. M. Khalilov. *Fiz. tver. tela* 7 no. 6:1860-1864 Je '65.

## SELENIUM—ANALYSES

Determination of selenium, tellurium, and gold in gold-containing electrolyte slimes. V. M. Tarasov, Zh. M. Aratamin. *Izv. AN Arm. SSR, Khim. nauk* 17 no. 6: 623-630 '64.

## SELENIUM—ELECTRIC PROPERTIES

Anomalous temperature dependence of the carrier mobility in selenium. E. Z. Melikhov. *Fiz. tver. tela* 7 no. 6:1743-1748 Je '65.

Effect of sodium admixtures on the electroconductivity of selenium. M. I. Vellov, G. M. Aliev. *Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk* no. 1:66-70 '65.

## SELENIUM—ELECTROMETALLURGY

Economics of the production of selenium and tellurium. V. N. Lukashin, A. G. Tokareva. *TSvet. met.* 38 no. 3: 60-75 Mr '65.

## SELENIUM—METALLURGY

Selenium recovery in copper electrolysis plants. A. M. Arslanova, L. L. Pelsakhov. *Sbor. nauch. i inzh. informatsii* no. 9:110-121 '65.

## SELENIUM—THERMAL PROPERTIES

Density and thermal expansion coefficient of selenium containing small additions of indium. V. N. Lango, V. A. T'rov. *Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk* no. 1:50-62 '65

Dependence of the melting point of selenium on pressure. K. A. Alekseev. *Fiz. tver. tela* 7 no. 6:1787-1789 Je '65.

## SELENIUM—GALLIUM ALLOYS see Gallium-Selenium alloys

## SELENOCYANATES

Approximate analysis of the vibrations of coordinated SeCN-groups. I. U. A. Kharitonov, G. V. TSintadze. *Zhur. neorg. khim.* 10 no. 5:191-199 My '65.

## SELF-SERVICE STORES see subdivision under Czechoslovakia

## SEMANTICS

Semantics and machine translating. M. V. Arapov, I. U. A. Sheldor. *NTI* no. 1:39-45 '65

## SEMANTICS (PHILOSOPHY)

Abramian, L. A. [Gnosological problems of the theory of signs]. *Gnosologicheskie problemy teorii znakov*, Erevan, Izd-vo Armianskoi SSR, 1965. 253 p.

## SEMEN

Oxytocin as a stimulator of semen emission in bulls. A. P. Bereznov. *Vest sel'khoz. nauk* 8 no. 8:91-95 Ag '63.

## SEMEIOVA, MARINA

Marina Semiova in ballets by Chalkovskii. Svetlana Ivanova. *Teatr* 28 no. 5:86-104 My '63.

## SEMEIOVSKII, PETR SERGEEVICH, 1883 (?) -1960

P. S. Semenovskii, an obituary. *Sud.-med. ekspert.* 3 no. 2:63-64 Apr-Je '60

## SEMICARBAZONES

Derivatives of the reaction of salicylaldehyde thiosemicarbazone with nickel, copper, and zinc. A. V. Ahtov, N. V. Gerbeleu. *Zhur. neorg. khim.* 10 no. 5:1156-1159 My '65

Infrared absorption spectra of diacetylsemicarbazoneoxime metallic derivatives. A. V. Ahtov, L. F. Chapurina, N. I. Belichuk. *Zhur. neorg. khim.* 10 no. 5:1166-1180 My '65.

Semicarbazone of hexafluoroacetone. I. U. V. Zelfman, N. P. Gambarian, I. L. Khamitov. *Zhur. V KHO* 10 no. 2: 235-236 '65.

## SEMICONDUCTOR DIODES see Diodes, Semiconductor

## SEMICONDUCTORS

Anisotropic scattering in semiconductors. I. U. A. Gurych. *Fiz. tver. tela* 7 no. 6:1698-1698 Je '65.

Distribution of potential and properties of the space charge region of the enriched surfaces of semiconductors. L. S. Gasanov. *Vych. sist.* no. 15:90-106 '65.

Distribution of potential and properties of the space charge region of unified and inversion surfaces of semiconductor layers. L. S. Gasanov. *Vych. sist.* no. 15:107-122 '65.

Dynamic properties of small area ohmic contacts in semiconductors. O. P. Gorimova. *Radiotekh. i elektron.* 10 no. 6:1123-1128 Je '65.

Effect of a variable electric field in steadying the helical instability in an electron-hole semiconductor plasma. L. V. Dubovoi, V. F. Shanskii. *Zhur. eksp. i teor. fiz.* 48 no. 3:800-803 Mr '65.

Effect of strong fields on the thermionic emission of semiconductors. G. E. Chaika. *Radiotekh. i elektron.* 10 no. 6:1115-1122 Je '65.

Electric properties of epitaxial p-n junctions. E. A. Karasik, N. V. Serapina. *Vych. sist.* no. 15:133-138 '65.

Electron factor in the kinetics of chemisorption on semiconductors. F. F. Volkenshtein, O. Peshev. *Kin i kat* 8 no. 1:95-107 Ja-F '65.

Ferromagnetic resonance and Faraday effect in some ferrites with spinel and garnet structures. V. F. Belov, A. M. Nechushkin. *Trudy MINKHGP* no. 52:133-135 '64.

Fine structure of the spectrum of local centers and excitons in semiconductors with extremum loop. V. I. Sheka. *Fiz. tver. tela* 7 no. 6:1782-1788 Je '65

Generation of laser radiation in direct transitions in a semiconductor. V. L. Vinetski, V. S. Mashkevich. *Fiz. tver. tela* 7 no. 6:1898-1899 Je '65.

Interaction between current carriers in semiconductors. E. M. Goralanov, I. U. A. Gurych, R. I. Rabinovich. *Fiz. tver. tela* 7 no. 6:1705-1709 Je '65.

Joint research on semiconductors. V. A. Kudrinskii, A. R. Nagel. *Vest. AN SSSR* 35 no. 5:85-88 My '65

Photomagnetic effect with face lighting of a p-n junction. Z. S. Grishnikov. *Radiotekh. i elektron.* 10 no. 6:1110-1114 Je '65.

Possible mechanism for crystallizing thin layers. V. I. Petrosian. *Vych. sist.* no. 15:47-56 '65.

Processes of the formation of single-crystal films of cadmium and mercury telluride. I. U. E. Maronchuk, E. A. Krivorotov, A. P. Sherstakov. *Vych. sist.* no. 15: 87-92 '65.

Prospects for the use of semiconductors in agriculture. S. A. Nacharian. *Zap. Len. sel'khoz. inst.* 85:318-325 '61.

Saturation in growing germanium layers by an open iodide method. I. E. Maronchuk, I. U. G. Sidoryov. *Vych. sist.* no. 15:83-89 '65.

Scientific and technical seminar "Semiconductor power converters and their use in present-day automated production processes." I. I. Dobromyslov, L. M. Tverdin, I. M. Kuglanskii. *Elektricheskoe* no. 5:91-93 My '65

Some problems of the physics of thin films. N. G. Nakhodkin. *Vych. sist.* no. 15:33-38 '65.

Study of diffusion in semiconductors; all-Union conference. G. S. Kulikov. *Vest. AN SSSR* 35 no. 4: 87-98 Apr '65.

Theory of spin absorption by donor electrons in semiconductors. A. F. Volkov. *Fiz. tver. tela* 7 no. 6: 1612-1614 Je '65.

Thermoelectric m.f. in a quantized magnetic field in semiconductors with a multi-ellipsoid band. V. S. L'vov. *Fiz. tver. tela* 7 no. 6:1660-1660 Je '65.

Thermodynamic characteristics of thin films. F. A. Kuznetsov, T. P. Smirnova. *Vych. sist.* no. 15:39-46 '65.

Vavilov, V. S. [Semiconductors and radiation]. *Poluprovodniki i izlucheniia*. Moskva, Znanie, 1965. 31 p. (Novoe v zhizni, nauka, tekhnika. IX Seriya: Fizika, matematika, astronomiya, no. 12)

## SEMICONDUCTORS—ELECTRIC PROPERTIES

Auger recombinations with the participation of carriers bound to various centers. E. I. Tolpygo, K. B. Tolpygo, M. A. Sherkman. *Fiz. tver. tela* 7 no. 6:1790-1794 Je '65.

Some electrophysical characteristics and a method of preparation of organic film semiconductors based on polyethylene. A. V. Vannikov, N. A. Bakh. *Elektrokhimika* 1 no. 5:617-619 My '65.

## SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Effect of trapping levels on the photoconductivity of semiconductors at large illumination levels. D. A. Anonov, R. G. Shamasov. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 2:40-47 '65.

Kinetics of photoconductivity in semiconductors with the trapping levels for minority current carriers on the surface. V. A. Zulev, A. V. Sachenko, K. B. Tolpygo. *Ukr. fiz. zhur.* 10 no. 3:275-288 Mr '65.

## SEMICONDUCTORS—THERMOELECTRIC PROPERTIES

Using formulas of correlated conductivity for the study of thermal, electric, and thermoelectric properties of semiconducting materials. V. S. Smirnov, A. F. Chudnovskii, I. A. Rozov. *Trudy LPI* no. 243:19-23 '65.

## SEMIOTICS

Gollgorski, S. B. [Studies on urological semiotics and diagnosis]. *Ocherki urologicheskoi semiotiki i diagnostiki*. Izd. 3, dop. Kishinev, Karta moldove-naske, 1965. 222 p., illus. (DNLM)

## SEMPALATINSK—COOPERATIVE SOCIETIES

In this remote past... M. Vikharev. *Sov. potreb. koop.* 9 no. 5:55-58 My '65

## SENILE PSYCHOSIS

Comparative characteristics of the functional state of the adrenal cortex in some groups of mental patients of involutional age. T. N. Nedbalova. *Zhur. nevr. i psikh.* 85 no. 5:888-893 '65.

## SENSE ORGANS

Structural and cytochemical organization of receptor cells of sense organs in the light of the evolution of their functions. I. A. Vinnikov. *Zhur. evol. biokhim. i fiziol.* 1 no. 1:67-83 Ja-F '65.

## SENSE ORGANS—INSECTS

Insects and color G. A. Mazochin-Porshniakov. *Fizika* 54 no. 6:58-62 Je '65

## SENSES AND SENSATION

Analytical and synthetic activity during the process of visual recognition. V. G. Stepanov. *Uch. zap. MGPI* no. 194:123-127 '63.

Functional state of the cortical analyzer in hyper-tension. F. S. Lokshina. *Trudy Inst. im. N. V. Sklif* 5 no. 2:55-68 '62

## SENTENCES (CRIMINAL PROCEDURE)

(see also subdivision under Europe, Eastern)

Content and form of a sentence. G. Vorob'ev. *Sov. inst.* 29 no. 11:8-10 Je '65

In the Supreme Court of the U. S. S. R. *Sov. zakon* 42 no. 3:99 Mr '65.

## SEPARATION (TECHNOLOGY)

Certain electrochemical properties of cadmium in its electrolytic separation from solutions. V. M. Ganin, A. I. Zhurin. *Izv. vuz. ucheb. zav. i. tekh. met.* 8 no. 1:55-101 '65

## SEPHADEX

Chromatography of influenza viruses A and A2 with anti-influenza serum and a biologically neutral complex of virus-antibody with Sephadex G-200. Kh. Zh. Zhuravlov, M. Kh. Salimov. *Vop. virus* 9 no. 5:555-559 S-O '64

Separation of indoleacetic oxidase from an indoleacetic oxidase inhibitor by gel filtration on sephadex G-25. K. Z. Gamburg. *Fiziol. rast.* 12 no. 2:361-363 Mr-Ap '65.

## SEQUENCES (MATHEMATICS)

Distribution of non-residues and primitive roots in recursive sequences over a field of algebraic numbers. V. I. Nechaev, L. L. Stepanova. *Usp. mat. nauk* 20 no. 3:197-203 My-Je '65

The problem of colored polygons. A. N. Kopylova. *Vest. Mosk. un. Ser. I Mat. mekh.* 20 no. 2:35-38 Mr-Ap '65.

## SERBIA—EUROPEAN WAR, 1914-1918

The position of Russia and her allies in the question of helping Serbia in the fall of 1915. V. A. Emets. *Ist. zap.* 75:122-145 '65

## SEREBROV, ALEKSANDR IVANOVICH, 1895-

Professor Aleksandr Ivanovich Serebrov, on his 70th birthday. *Vop. onk.* 11 no. 3:122-125 '65.

## SEREBROVSKAYA, ELENA

Chronicle of a life. A. Vlasenko. *Oktabr'* 41 no. 4:215-217 Ap '65.

## SERFDOM

Prussian way of developing capitalism in agriculture and its special features in Russia. A. M. Anufimov. *Vop. ist.* 40 no. 7:82-76 Jl '65.

## SERKULTURE

Srudnikov, V. A. [Mechanized selection of the breeding cocoons of mulberry silkworms] *Mekhanizirovannyi otkor plomennyykh kokonov tutovogo shelkopriada*. Tashkent, Nauchno-issl. i in-t shelkovodstva, 1960. 51 p. [DUAL MICROFILM]

## SERIES

Gap series. L. A. Balashov. *Izv. AN SSSR, Ser. mat.* 28 no. 3:531-644 '65.

Nature of symmetry of sums with Dirichlet characters. A. I. Vinogradov. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 9 no. 1:21-27 '65.

## SERIES, DIRICHLET'S

Growth in a strip of functions defined by Dirichlet series. G. S. Sadykhov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 1:20-29 '65.

## SERIES, ORTHOGONAL

Uniform convergence of certain orthogonal series. A. S. Mekhrudov. *Izv. AN Azerb. SSR, Ser. fiz.-tekh. i mat. nauk* no. 6:3-11 '64

## SERINE

Reactions of N-imidazolacyl derivatives of histidine with serine derivatives. M. M. Botvinik, I. M. Kononov. *Zhur. ob. khim.* 35 no. 6:1323 Je '65.

## SEROLOGY

Bacterial factors of the blood serum. Report No. 2: Bactericidal properties of sera from animals infected with *Salmonella typhosa*. V. M. Suponitskaya. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:31-35 Ja '65

Clinical characteristics of the course of influenza in tuberculosis patients. A. I. Buzenko. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:168-172 '64.

Determining on a tissue culture the content of diphtheria antitoxin in  $\gamma$ -globulin and immune sera. M. I. Varenovich. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:92-97 Mr '65.

Dynamics of immunological and morphological reactions in experimental vaccination against anthrax. P. N. Shlyakhov, I. G. Shvart, T. A. Burdenko. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:106-111 Mr '65

Experience in studying the antigenic structure of the diphtheria bacillus. V. S. Suslova. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:31-33 Mr '65.

Harmlessness of  $\gamma$ -globulin prepared from serum mixtures including solitary sera from infectious hepatitis patients and convalescents. N. F. Kazachenko. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:67-69 Ja '65

Rapid method to identify brucella using alizarin suspension agglutinins. A. K. Adamov, K. S. Kapuzidi. *Zhur. mikrobiol., epid. i immun.* 42 no. 1:103-107 Ja '65.

Regularity of the development of anamnestic reactions to strains of the group A influenza virus in cross-immunization in white rats. T. P. Iatei. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:71-74 '64

Results of in vitro determination of diphtheria antitoxin in the blood of man and experimental animals. L. A. Dinskaya. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:39-43 Mr '65.

Study of the first phase of serological reactions using the method of fluorescent antibodies. I. P. Mikhailov. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:14-17 Mr '65.

## SEROLOGY—TECHNIQUE

Purification of fluorescing conjugates from free fluorochrome with ion exchangers. Report No. 2: Comparative results of purification of fluorescent antibodies by ion-exchange methods and filtration through gel. I. O. Dashkevich, G. M. Maiboroda, R. B. Gol'din. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:116-120 F '65.

## SEROTONIN

Effect of serotonin on the free nucleotide content in the brain tissue of rabbits. M. D. Kurs'nyi, O. M. Zrakov. *Ukr. biokhim. zhur.* 36 no. 5:579-584 '64.

Role of serotonin and some of its antagonists in synaptic processes of the spinal cord. S. A. Skuratova. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:84-85 '64.

Role of serotonin in the central regulation of cardiac activity. K. N. Tkachenko. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:96-99 '64.

## SEROTONIN—PHYSIOLOGICAL EFFECT

Effect of serotonin on evoked potentials of the visual cortex in rabbits. V. N. Provodina. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7:73-74 '64.

## SEROV, VALENTIN ALEKSANDROVICH, 1905-1911-HOMES AND HAUNTS

V. A. Serov in Abramtsevo. N. Samarin. *Iskusstvo* 28 no. 3:83-69 '65.

## SERRATIA—CULTURES AND CULTURE MEDIA

Selective hydrolysis of 0, 0'-diacetylseratimide and a comparison of the synthetic and biosynthetic types of the antibiotic. V. K. Antonov and others. *Antibiotiki* 10 no. 5:387-390 My '65.

## SERUM

Mechanism of the bactericidal activity of human sera in relation to gram-negative microbes. V. A. Martynova, V. I. A. Vissarionova. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:124-127 F '65.

Mechanism of the inhibition by choline of the acetylcholine hydrolysis by equine serum cholinesterase. A. P. Brestkin, L. A. Ivanova, V. V. Svechnikova. *Biokhimiya* 30 no. 1:137-140 Ja-F '65.

Prospects for the production of dry immune sera. I. V. Zviagin, V. V. Turchenko. *Veterinariia* 42 no. 5:104-105 My '65.

## SERUM DIAGNOSIS

Accelerated and simplified method of laboratory diagnosis of intestinal coil infections with the use of liquids containing specific serum media. I. V. Golubeva and others. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:21-26 F '65.

Methods for detecting Brucella in wild rodents. G. A. Kolomakin. *Veterinariia* 42 no. 6:98 Je '65.

Methods for the accelerated diagnosis of brucellosis in sheep. I. A. Danil'shev, E. E. Korukin. *Veterinariia* 42 no. 8:25-28 Je '65.

Prophylaxis of pullorum disease. B. A. Nikanorov. *Veterinariia* 41 no. 6:51-53 Je '64.

Results of the use of dry quiescent medium for the bacteriological diagnosis of diphtheria. Z. N. Slisnigovskaya. *Zhur. mikrobiol., epid. i immun.* 42 no. 3:134 Mr '65.

Serologic diagnosis of tuberculosis in ducks. N. S. Shepeliyev, I. V. Sokolova, G. F. L'vova. *Veterinariia* 42 no. 6:28-29 Je '65.

Serological typing of capsular bacteria and its practical importance. I. V. Kozlovskii. *Zhur. mikrobiol., epid. i immun.* 42 no. 2:128-131 F '65.

## SERUM THERAPY

Chromatography of influenza viruses A and A2 with anti-influenza serum and a biologically neutral complex of virus-antibody with Sephadex G-200. Kh. Zh. Zhuravlov, M. Kh. Salimov. *Vop. virus* 9 no. 5:555-559 S-O '64.

Effect of immunotherapy on the state of calcium metabolism in rats with the malnutrition. B. P. Moshchakov. *Izv. vuz. ucheb. zav. i. tekh. met.* 8 no. 6:32-35 N-13 '61

Effectiveness of Dorogova antioptic-antibiotic ointment in exudative diathesis in children. I. P. Dorogovskaya. *Vest. dermat. ven.* 36 no. 6:50-51 '61

Specific treatment of influenza. R. I. A. Kheramatskaya. *Sbor. nauch. trud. Inst. infek. bol.* no. 4:100-102 '64

## SERVICE INDUSTRIES see subdivision under Extra

## SERVICE STATIONS—EQUIPMENT AND SUPPLIES

Automatic fuel-filling gun. M. Oginevich. *Avi. transp.* 43 no. 6:29-30 My '65.

Automatic unit for motorbus washing. *Avi. transp.* 43 no. 6:18-19 Je '65.

Basic trends in the development of new designs of service station equipment. P. Karpekin. *Avi. transp.* 43 no. 6:6-7 Je '65.

Butkov, P. P. [Operation and repair of service station pumps] *Ekspluatatsiya i remont napravavayushchikh kol' A.* Leningrad, Nedra, 1964. 202 p.

Equipment for washing and drying motorbuses and motortrucks. P. Bepalov and others. *Avi. transp.* 43 no. 6:10-10 Je '65.

Equipment for washing automobiles. V. Pankov. *Avi. transp.* 43 no. 6:14-15 Je '65.

Jet unit for washing motorbuses. S. Gerasimov. *Avi. transp.* 43 no. 6:12-13 Je '65.

Trends in the development of the production of new service station equipment and its supply to automotive transportation units. I. U. Ivanov, P. Kibbof. *Avi. transp.* 43 no. 6:10-11 Je '65.

## SERVOMECHANISMS

Astatic reproduction of transcendental functions with servo systems with variable structure. A. V. Lomakin, nov, A. I. Fedotova. *Avtom. i telemekh.* 30 no. 1:44-46 Mr '65.

Conditions of smooth operation of servosystems. I. I. Merabishvili. *Trudy MINKHIMP* no. 5:110-111 '64

Remarks on P. P. Klubnikh's article "Combining servo systems with two drives." V. N. Prokof'ev. *Avtom. i telemekh.* 26 no. 4:724-729 Ap '65.

Special feature of the characteristics of optimal servo systems. A. B. Kantorovich. *Avtom. i telemekh.* 26 no. 3:550-557 Mr '65.

## SEVASTOPOL—HOUSING MANAGEMENT

Workdays of an apartment house manager. T. I. A. Khorova. *Zhil.-kom. khoz.* 15 no. 1:15 Ja '65.

## SEVASTOPOL—LIBRARIES, NAVAL

The oldest naval library. P. Mus'jakov. *Nov. veka* 43 no. 11:43 Je '65.

## SEVASTOPOL—MEDITERRANEAN FRUIT FLY

A dangerous quarantine pest *Ceratitis capitata*. H. P. A. kova, G. Pyshkalo. *Zashch. rast. ot vred. i bol.* 10 no. 5:49-51 '65.

## SEVASTOPOL—SEIGE, 1942

Four in a boat. S. Rossinskaya. *Sov. voen* 47 no. 11:32 Je '65

From the history of the defense of Sevastopol during the Great Patriotic War: defense of the command post. V. M. Koval'chuk. *Ist. zap.* 75:20-43 '65.

## SEVASTOPOL—THEATER

A difficult role. E. Avdeeva. *Sov. voen* 47 no. 7:34-35 Ap '65.

## SEVASTOPOL, BATTLE OF, 1944

The feats of heroes are immortal: on the 26th anniversary of the liberation of Sevastopol. G. V. Teresukh. *Mor. sbor.* 47 no. 6:10-22 My '65.

Heroes of Sevastopol. N. Kulakov. *Komm. Voenish. Sil.* 46 no. 6:27-33 Ap '65.

## SEVERODVINSK (ARCHANGEL PROVINCE)—GOLD STORAGE WAREHOUSES

Work of efficiency promoters in the Severodvinsk gold storage warehouse. V. M. Sokolov. *Khoz. i tekhn.* 45 no. 1:47-48 Ja-F '65.

## SEWAGE—PURIFICATION

Ways of reducing the cost of designing and building small purification plants for sewage. S. Kolobanov. *Sil. bud.* 15 no. 2:11-12 F '65.

## SEWAGE—PURIFICATION—BIBLIOGRAPHY see Bibliography—Sewage—Purification

## SEWAGE DISPOSAL see subdivision under Armaments

## SEWAGE IRRIGATION—BIBLIOGRAPHY see Bibliography—Sewage Irrigation

## SEWER DESIGN

Some problems in calculating sewage conduits and channels. V. N. Kozin. *Izv. vuz. ucheb. zav. i. tekh. met.* 8 no. 2:77-83 '65.

## SEWER PIPE—WELDING

Butt welding of cast iron sewer pipes with shaped fittings. V. M. Shakhmatov, A. S. Rudakov, I. A. T. Podkorytov. Svar, proizv. no 4:10-20 Ap '65.

## SEWERAGE

Russia (1917- R. S. F. S. R.) Upravlenie vodoprovodno-kanalizatsionnogo khoziaistva. [Regulations concerning the technical operation of water supply lines and sewerage systems] Pravila tekhnicheskoi ekspluatatsii vodoprovodov i kanalizatsii. Moskva, Stroiizdat, 1965. 306 p.

## SEWERAGE, RURAL

Efficient designs for the water-supply systems of poultry houses and the sewerage systems of cow barns. V. Maslennikov. Sel'stroi. 10 no 11:12 Ap '65.

## SEWING MACHINES

(See also subdivision under Podolsk, Moscow Province) Characteristics of the movement of the needle thread in high-speed shuttle machines. A. I. Komissarov, I. V. Lopukhina. Nauch. trudy MTILP no 30:214-218 '64. Investigating the rigidity of the cogged gear drive belt of sewing machines. B. I. Damaskin, V. A. Lobanov. Nauch. trudy MTILP no 30:241-245 '64. Redesigned SM-2 sewing machine for facing sleeve bottoms. G. N. Romanov. Shvein. prom. no 2 30-31 Mr.-Ap '65.

## SEWING MACHINES—DESIGN AND CONSTRUCTION

Design of flat needle mechanism of overacraming sewing machines. V. P. Polukhin. Nauch.-issl. trudy VNII TEKMAHA no 11:73-83 '64.

## SEWING MACHINES—DYNAMICS

Application of high-speed photography for studying the dynamics of thread movement in high-speed sewing machines. M. N. Ivanov. Shvein. prom. no 2 18-20 Mr.-Ap '65.

## SEWING MACHINES—ELECTRIC DRIVING

Results of the testing of the electric driving of 22-A and Class 97 sewing machines. B. P. Medvedev, N. I. Malysheva, E. G. Spichkin. Nauch. trudy MTILP no 30:314-319 '64.

Testing for heating the electric motors of the friction drives of sewing machines. N. I. Malysheva. Nauch. trudy MTILP no 30:310-313 '64.

## SEWING MACHINES—PARTS

Design of the counterweights of the crankgear mechanisms of sewing machine needles. N. I. Krapivin, A. I. Komissarov. Nauch. trudy MTILP no 30:220-240 '64.

## SHADOW PANTOMIMES AND PLAYS

Fables of I. A. Kuylov in a shadow theater. G. V. Genov. Nauch. zhukla 33 no 4:100-66 Ap '65.

## SHAFT SINKING

Deformation of freezing columns. I. N. Skums. Shakhit. stroi. 9 no 5:10-13 My '65.

Gorbalkin, B. I. [Miner of a mechanized working face in vertical shaft sinking by special methods] Prokhodchik mekhanizirovannogo zabolia pri prokhodke vertikal'nykh stvolov spetsial'nymi sposobami. Moskva, Stroiizdat, 1964. 195 p.

Improving the grouting of rock. N. G. Trupak. Shakhit. stroi. 9 no 5:11-3 My '65.

Making 61 meters of an upraise in 10 days. A. I. Samarodchenko, V. D. Morkva, N. I. Potemkin. Shakhit. stroi. 9 no 5:23-26 My '65.

Once again on the possibility of reducing the size of mine shaft supports in the Kuznetsk Basin. T. N. Tsal, L. M. Erofeev. Vop. gor. davl. no 22:49-52 '64.

Scientific and technical conference on the problems of grouting fractured water-bearing rock during shaft sinking. M. G. Likhtenshtein. Shakhit. stroi. 9 no 5:20-30 My '65.

## SHAFT SINKING—SAFETY MEASURES

Making the mouth of a shaft with the help of a catwalk. B. A. Korotkiy, V. P. Ternovoi, I. I. Sherer. Shakhit. stroi. 9 no 5:25-26 My '65.

## SHAFTING

Calculating the hydrostatic lifting of shafts in journal and thrust bearings. I. I. Tokar', B. I. Blaiyt. Vest. mashinostr. 45 no 5:114-20 My '65.

Effect of technological parameters on torsional rigidity of nonwinding flexible shafts. O. I. Kogan-Vol'man, V. M. Glozman. Vest. mashinostr. 45 no 6:19-24 Je '65.

## SHAFTING—VIBRATION

Some problems involving the dynamic torsion of an infinite cylindrical shaft. A. A. Babolian, O. O. Prumian. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no 1:153-163 '65.

## SHAGNIAN, MARIETTA SERGEEVNA, 1888-

Prototype of the future. R. Gol'dina. Okl'abr' 41 no 4: 201-208 Ap '65.

## SHAKESPEARE, WILLIAM, 1564-1616

Boisova, T. T. [Shakespeare on the White Russian stage] Shkspir na belorusskoi stsene. Minsk, Nauka i tekhnika, 1964. 98 p.

(NIC)

From the Avon to the Zambezi. I. Iskov. Teatr 26 no 6:167-168 Je '65.

Russia and the Russians in Shakespeare's works. M. P. Alekseev. Vop. ist. 40 no 7:177-92 Ji '65.

Shakespeare in the Berlin Ensemble. B. Naikh. Teatr 26 no 5:152-153 My '65.

Tricent of Time, poetic historians of Shakespeare in chronicles and "Julius Caesar." L. Pinskiy. Vop. lit 9 no 6:125-148 Je '65.

## SHAKHDAG RANGE—ROCKS, IGNEOUS

Igneous activity in the Shakhdag Range (Lesser Caucasus). R. K. Gasanov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no 5:71-79 '64.

## SHALE see subdivision under Kazakhstan

## SHAL'NIKOV, E.

E. Shal'nikov in the role of Trifon K. Krivitskiy. Teatr 26 no 3:112 Mr '65.

## SHANGHAI—RIOT, MAY 30, 1925

On the fortieth anniversary of the heroic struggle of the Shanghai proletariat, the riot of May 30, 1925. Nar. Az. i Afr. no 3:45-47 '65.

## SHANGHAI—STRIKES AND LOCKOUTS

The strike of the Shanghai proletariat in 1925. F. Potapenko. Az. i Afr. seg. 6 no 6:39 Je '65.

## SHAW, GEORGE BERNARD, 1856-1950

The unknown Shaw: "The woman millionaire" performed in the Evg. Vakhtangov Theater in Moscow. E. Pul'khritudova. Teatr 26 no 4:113-16 Ap '65.

## SHECHERIN, RODION KONSTANTINOVICH, 1932-

In the country of Kupaitya. E. Dobrylina. Sov. muz. 29 no 3:132-38 Mr '65.

## SHECHKEIN, STEPAN LEONT'EVICH, 1864-

80th birthday of Stepan Leont'evich Shechkeine. F. P. Okhapkin. Pochyovedenie no 3:107 Mr '65.

## SHECHORS, NIKOLAI ALEKSANDROVICH, 1895-1919

Legendary division commander. Komm. Vooruzh. Sil 46 no 11:84-86 Je '65.

## SHCHUKIN, IVAN SEMENOVICH, 1885-

I. S. Shchukin's anniversary. N. Blagovolin and others. Izv. AN SSSR, Ser. geog. no 3:136-137 My-Je '65.

Tireless explorer-geographer: I. S. Shchukin's 80th birthday. Priroda 54 no 6:124 Je '65.

## SHEAR (MECHANICS)

Using affine transformations in calculating oblique bridges and other structures. V. A. Kartashov. Uch. zap. Mord. gos. un. no 15 pt. 2:27-31 '63.

## SHEEP

Electron microscope study of oogenesis in sheep. A. Murzamadiev. Izv. AN Kazakh SSR, Ser. biol. nauk 3 no 1:97-102 Ja-F '65.

## SHEEP—DISEASES AND PESTS

(See also subdivision under Dagestan; Kazakhstan; Stavropol Territory)

Radiation sickness in sheep induced by lethal X-ray irradiation. V. G. Egorov, M. E. Kamalov. Veterinarika 42 no 6:65-69 Je '65.

Treating necrobacillosis in sheep. T. Aukhadiev. Vest. sel'khoz. nauk [Kazakh.] 9 no 2:39-44 F '65.

## SHEEP—PARASITES see Parasites—Sheep

## SHEEP—PHYSIOLOGY

(See also subdivision under Nakhichevan A.S.S.R.) Changes in the proteins and protein fractions of the blood serum in healthy lambs. N. A. Kotenko. Veterinarika 42 no 5:80-82 My '65.

## SHEEP BREEDING

(See also subdivision under Gorky Province)

Methods for the improvement of Gorky sheep. A. A. Kapatsinskaya. Trudy GSKHI 9:219-223 '59. Origin, penetration into the forest zone of the North and intracanal breeding of the northern short-tailed sheep. I. P. Pechishchev. Trudy GSKHI 9:200-218 '59.

## SHEEP BREEDS see subdivision under Alma-Ata Province

## SHEEPSHEARING—EQUIPMENT AND SUPPLIES

Standardized units for sheepshearing. M. Shcherbatiykh. Tekh. v. sel'khoz. 26 no 5:25-26 My '65.

## SHEET-METAL WORK

Automating the die stamping and assembly of magnetic systems for low-voltage electric equipment. V. R. Biseri. [Nauch. trudy] ENIKMASHA 11:143-150 '65.

Efficient conditions for the skin press rolling of steel. M. A. Benikovekii, L. I. Butylkina. Metallurg 10 no 5:32 My '65.

Loss of billet stability in sheet stamping of spherical parts. E. N. Moshnin, K. G. Khachikian. Vest. mashinostr. 45 no 6:53-58 Je '65.

Manufacturing panels on punching presses. B. N. Markovitch, A. N. Izumtsev, V. V. Kovalev. [Nauch. trudy] ENIKMASHA 11:14-19 '65.

## SHEET METAL WORKING MACHINERY

Dial feed mechanisms with pneumatic drives. E. P. Shablinskiy. [Nauch. trudy] ENIKMASHA 11:93-102 '65.

## SHEET PILING

Determining the passive pressure of soil on the sheet piling of slopes. V. Savel'ev. Mor. flot 25 no 4:10-11 Ap '65.

## SHEET STEEL

Effect of various factors on the surface quality of sheet steel. A. K. Dubrovina and others. Stal' 25 no 5:430-433 My '65.

## SHELL ROOFS see Roofs, Shell

## SHELLAC

Plant resources for the production of shellac in the U.S.S.R. N. I. Sharapov, G. N. Tikhomirov, G. B. Serebriakov. Rast. res. 1 no 1:66-73 '65.

## SHELLAC—ANALYSIS

Results of a chemical study of Soviet shellac. A. N. Bzhilava. Rast. res. 1 no 1:107-108 '65.

## SHELLS (ENGINEERING)

Designing shallow shells. V. Bezpyai. Stroi. i arkh. 13 no 5:39-30 My '65.

Dynamic stability of longitudinally corrugated cylindrical shells. G. L. Komissarova. Prikl. mekh. 1 no 2:17 '65.

Elastoplastic state of a structure consisting of spherical and toroidal shells. V. V. Vasil'ev, I. S. Chernyshev. Prikl. mekh. 1 no 4:34-38 '65.

Experimental investigation of the carrying capacity of ribbed cylindrical shells. I. A. Amiro, V. A. Zaru. P. S. Polakov. Prikl. mekh. 1 no 4:139-43 '65.

High-strength welded cylindrical shells made of BT alloy. A. I. Khorev and others. Vest. mashinostr. no 5:28-30 My '65.

Performance of a precast shell under a load (a shell the form of an 18 x 18 m. hyperbolic paraboloid). Chlenkov. Bet. i zhel.-bet. 11 no 4:32-36 Ap '65.

Problems in the theory of plates and shells. M. N. Proskuriakov. Bet. i zhel.-bet. 11 no 4:40-47 Ap '65.

Study of the limiting condition of sloping reinforced concrete shells with a flat contour. L. I. Krivelev. Bet. i zhel.-bet. 11 no 4:28-32 Ap '65.

## SHELLS (ENGINEERING)—TESTING

Unit for the testing of experimental models of welded thin-walled vessels under double axial tension. S. Kurkin and others. Svar. proizv. no 5:9-11 My '65.

## SHELLS (ENGINEERING)—THERMAL PROPERTIES

Fundamental solution of the temperature problem for a circular cylindrical shell. I. U. P. Zhigalko. Prikl. mekh. 1 no 4:30-33 '65.

## SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861

Nauchnaya sessiya, posvyashchennaya slozheniu so dnevnoy smerti Tarasa Hryhorovicha Shevchenko. Moscow, Taras Shevchenko. Moskva, Izd-vo Akad. nauk SSSR 1962. 270 p.

(CABVAU)

Popov, P. N. [Shevchenko and Kiev University; on the 150th anniversary of the poet's birth] Shevchenko s'klyi universitet; do 150-rychchya z dnia narozhdenia poeta. [Kyiv] Vyd-vo Kyivs'koho univ., 1964. 71 p.

(U) (VIU)

Tai as Shevchenko's aesthetic views. D. A. Ryzhuk. Vest. Mosk. un. Ser. 31 Ekon., filoz. 20 no 2:51-52 Mr.-Ap '65.

## SHIELDING (RADIATION)

Auxiliary protective devices in diagnostic X-ray apparatuses. A. N. Krongauz. Vest. rent. i rad. 40 no 5:58 Mr.-Ap '65.

## SHIFT SYSTEMS

"Steel horse" should be loaded to a full capacity. G. Orlov, P. Shinkarev, L. Morozova. Sov. profsoz. 21 no 12:4-6 Je '65.

## SHIGELLA

Antibiograms of dysentery bacilli based on data of Krasnodar Territorial Sanitary-Epidemiological Station. P. Garandina, A. E. Erikyova, N. K. Guseva. Antibiogramy 10 no 5:465-466 My '65.

Cases of excretion of dysentery bacteria in chronic angiocholecystitis. M. A. Mal'kunova, Zhur. mikrobiol., epid. i immun. 42 no 2:65-68 F '65.



## SHIGELLA (Continued)

Comparative study of some properties of *Shigella dysenteriae* pathogenic for the eels of guinea pigs and nonpathogenic variations obtained from them. V.V. Bigradova. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 143 Mr '65.

Effect of streptomycin, lincosin and levomycetin on the synthesis of group B vitamins by dysentery bacteria. O.V. Kuznetsova. *Mikrobiol. zhur.* 37 no. 3 53-59 '65.

Sensitivity of *Shigella* to antibiotics and the use of penicillins as antagonists with streptomycin in laboratory diagnosis of dysentery. A.I. Veselov. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 139-141 Mr '65.

Virulence of *Shigella* following a long stay in water. Popov I.N. 2. I.A. Siroko. E.F. Verkhovskiy. *Zhur. mikrobiol. epid. i immun.* 42 no. 3 138-139 Mr '65.

## SHUKO, SERGEI IVANOVICH, 1927-1965

Shukovskiy, S.S. *ibid.* 12 no. 2:151 Mr '65.

## SHIP TRIALS

Improving the efficiency and reducing the duration of sea trials of ships. I.M. Bystryak. *Sudostroenie* 30 no. 12:71 D '64.

## SHIPBUILDING

Rozdrogin, I.U. V. (Mounting of mechanisms on plastic ships) *Kreplenie mekhanizmov na sudakh iz plastmass.* Leningrad, Sudostroenie, 1965, 147 p.

Work of research work of shipbuilders. A.V. Votr. *Mol. flot* 23 no. 4:29-30 Ap '65.

## SHIPBUILDING—TECHNOLOGICAL INNOVATIONS

Survey of efficiency promoting suggestions made by shipbuilding workers. P.S. Serdink. *Sudostroenie* 30 no. 12:50-51 D '64.

## SHIPBUILDING MATERIALS

Use more extensively synthetic materials in the building and repairing of ships. S. Zakharenko. *Rech. transp.* 23 no. 12:20-21 D '64.

## SHIPFITTING

Use of plastic concrete as shipbuilding material. K.K. sections of hull structures. B.P. Sokolov, N.P. Trutnin. *Sudostroenie* 30 no. 12:41-42 D '64.

## SHIPPING—see subdivision under Yaska River, Volga River

## SHIPPING—ABSTRACTS

(Water transportation) Ref. zhur.: *Vod. transp.* no. 6 Je '65. *Predmetnyi ukazatel'* za 1964 g.

## SHIPS—EQUIPMENT AND SUPPLIES

The spare parts, tools and accessories of the ship. G.S. Pleshko, V.Z. Pleshko. *Mol. flot* 48 no. 4:78-80 Ap '65.

## SHIPS—HEATING AND VENTILATION

Determining the thermal characteristics of the living quarters of ships. V.V. Loskutov, N.N. Kasalainen, V.A. Karachukov. *Sudostroenie* 30 no. 12:11-12 D '64.

## SHIPS—HYDRODYNAMICS

Egorov, I.T., and V.T. Sokolov. (Hydrodynamics of high-speed vessels) *Gidrodinamika bystrokhodnykh sudov.* Leningrad, Sudostroenie, 1965, 383 p.

## SHIPS—MAINTENANCE AND REPAIR

An honorable member of the crew. A. Khasin. *Mol. flot* 25 no. 4:6 Ap '65.

Use of epoxy compounds in ship repair. I.U. Gershtein. *Rech. transp.* 23 no. 12:21-23 D '64.

Ways for overall mechanization and automation of ship repair. V. Kernerman. *Mol. flot* 25 no. 4:29 Ap '65.

## SHIPS—SOUNDPROOFING

Noise and vibration abatement in the double-hull motor-ship "Orskikh." M. Khaitovich, I.U. Goppe. *Rech. transp.* 23 no. 12:24-25 D '64.

Soundproof casing of the diesel generator of an 1800-deadweight-ton motorship. M. Rozhavskii. *Rech. transp.* 23 no. 12:25 D '64.

## SHIPS—WELDING

Economic efficiency of open arc welding at a shipyard. I.G. Kozanov. *Autom. svar.* 18 no. 4:70-72 Ap '65.

## SHIPS—CONCRETE

Automating the steam curing of the prefabricated members of reinforced concrete ships. A. Tzoloto, I.U. Zubakov. *Rech. transp.* 23 no. 12:28 D '64.

Characteristics of calculating the strength of ship structures made of prestressed reinforced concrete and mesh-reinforced concrete. K.K. Amel'yanovich and others. *Sudostroenie* 30 no. 12:1-5 D '64.

Glass-reinforced cement yachts. K.L. Biriukovich and others. *Sudostroenie* 30 no. 12:28-33 D '64.

Glass-reinforced plastic as a reliable means of increasing the strength of reinforced concrete structures. B.P. Sokolov, N.P. Trutnin, B.A. Petrov. *Sudostroenie* 30 no. 12:42-43 D '64.

Mesh-reinforced concrete as shipbuilding material. K.K. Amel'yanovich, V.D. Veibitskii. *Sudostroenie* 30 no. 12:38-41 D '64.

Service life of shipbuilding concrete exposed to pickling solutions and brines. V.G. Botnikov, E.I. Fedin. *Sudostroenie* 30 no. 12:34-37 D '64.

Strength of reinforced concrete ships subjected to variable loads. G.M. Saitov. *Sudostroenie* 30 no. 12:7-10 D '64.

Technological characteristics and practices in the building of hulls and superstructures of reinforced concrete ships from keramzit concrete and lithoidal pumice. A.M. Katshev. *Sudostroenie* 30 no. 12:44-48 D '64.

Use of plastic concrete in sealing the joints between the sections of hull structures. B.P. Sokolov, N.P. Trutnin. *Sudostroenie* 30 no. 12:41-42 D '64.

## SHKAPOVO OIL FIELD—OIL RESERVOIR ENGINEERING

Some regularities in the variation of the basic parameters of reservoir rocks according to area based on a study of horizon D in the Shkapovo oil field. I.M. Klimushin, A.I. Stepanov. *Trudy VNI* no. 43 131-143 '65.

Studying the character of the oil and gas saturation of reservoirs close to the oil-water surface based on a study of the Devonian pools of the Turyazy, Bayli, and Shkapovo oil fields. E.A. Zudakina, L.F. Ivanchuk, V.A. Baramzina. *Trudy VNI* no. 43 177-192 '65.

## SHMIT, NIKOLAI PAVLOVICH, 1883-1907

Andrikanis, E.N. [The owner of the "Devil's Nest"] *Khvozin "Chelova gnezda."* Izd. 2., dop. [Moskva] Mosk. rabochii, 1965, 230 p.

## SHOCK

Changes in the adrenocorticotrophic function of the hypophysis in traumatic shock. G.S. Mazurekovich. *Pat. fiziol. i eksp. terap.* 8 no. 6:19-21 N-D '64.

Characteristics of traumatic shock in elderly persons. N.V. Ukhanova. *Trudy Inst. im. N.V. Sklif.* 9:137-149 '63.

Methods and some results of the use of anesthesia for the prevention and treatment of traumatic shock under work conditions of the antishock teams of the first medical aid station of the city of Moscow. G.P. Ambal'ello and others. *Trudy Inst. im. N.V. Sklif.* 9:249-254 '63.

Passage of radioactive phosphate into the cerebrospinal fluid and its inclusion in the cerebral tissue during histamine shock. V.N. El'skiy. *Pat. fiziol. i eksp. terap.* 8 no. 6:28-31 N-D '64.

Traumatic shock in elderly persons. G.A. Pokrovskii. *Trudy Inst. im. N.V. Sklif.* 9:132-136 '63.

Use of nitrous oxide for the prevention and treatment of traumatic shock under conditions of first aid. B.S. Danilova and others. *Sov. med.* 28 no. 4:104-107 Ap '65.

Venous potential difference as an indicator of the state of the portal blood flow in the liver during shock. S.A. Seleznev. *Pat. fiziol. i eksp. terap.* 8 no. 6:25-27 N-D '64.

## SHOCK (MECHANICS)

Maximum protection of equipment from shock. V.V. Guretskii. *Izv. AN SSSR. Mekh.* no. 2:76-81 Mr-Apr '65.

## SHOCK ABSORBERS

Automatic line for machining the piston of a telescopic shock absorber. S.S. Kozhushkii, E.R. Parkman. *Blul. tekhn. i ekon. inform. Gos. nauch. inst. nauch. i tekhn. inform.* 18 no. 5:27-28 My '65.

## SHOCK ABSORBERS—TESTING

Stand for testing shock absorbers. *Avi. transp.* 43 no. 6:35 Je '65.

## SHOCK WAVES

Compression of alkali metals by strong shock waves. A.A. Bakanova, I.P. Dudoladov, R.F. Trutnin. *Fiz. tverd. tela* 7 no. 6:1815-1822 Je '65.

Converging shock waves in a heat-conducting gas. E.I. Zubakov. *Izv. AN SSSR. Prikl. mat. i mekh.* 29 no. 2:334-338 Mr-Apr '65.

## SHOE INDUSTRY—ACCOUNTING

Machine accounting in the shoe industry. B. Dubovskii. *Bukh. uch. i tekhn.* 22 no. 2:13-17 F '65.

## SHOE INDUSTRY—FINANCE

Mathematical methods and planning for profit. V. Khilga'lin. *Fin. SSSR* 39 no. 9:32-37 Je '65.

## SHOE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Visiting session of the Presidium of the Administration of the Scientific and Technical Society of the Light Industry. N. Mironov. *Kozh. - obuv. prom.* 7 no. 4:40 Ap '65.

## SHOE MACHINERY

The PKR Press for gluing rubber heels. Z.S. Karasik. *Blul. tekhn. i ekon. inform. Gos. nauch. inst. nauch. i tekhn. inform.* 18 no. 4:47-48 Ap '65.

Presses for sole cementing. Z.S. Karasik. *Blul. tekhn. i ekon. inform. Gos. nauch. inst. nauch. i tekhn. inform.* 18 no. 5:35-36 My '65.

## SHOE MACHINERY—HYDRAULIC DRIVE

Piskorakii, G.A., and N.A. Stechenko. [Study of machinery with hydraulic drive] *Obozryeniye mashin i priborov* dom. Kley, Gostekhtizdat USSR, 1963, 100 p.

## SHOE MACHINERY—PARTS

Polyvinyl chloride plates for the cladding of shoes. V. Gvozdev, V.A. Morukov. *Nauch. trudy MTIL* no. 166-172 '64.

## SHOE MANUFACTURE

Application of high-frequency currents in the processing of soles. V.S. Mentsov, S.S. Vasil'ev. *Nauch. trudy MTIL* no. 30:117-119 '64.

Application of linear programming in planning the cutting of shoe materials. Report No. 1. V. Sushinskii, I.U. P. Zybina. *Nauch. trudy MTIL* no. 155-165 '63.

Calculation method for determining the duration of manual operations in the assembly of shoes. V.M. Khuchukova, S.I. Ivanenko. *Nauch. trudy MTIL* no. 30:143-152 '64.

Efficient utilization of raw materials and leather for footwear sole parts. I.E. Glantz, Z.I. Glantz. *Kozh. - obuv. prom.* 7 no. 1:28-29 Ap '65.

Fifth methodical conference-seminar of the republics of the shoe industry on footwear design and assortment preparation for the 1966 season. *Kozh. - obuv. prom.* 7 no. 4:1-10 Ap '65.

Footwear assortment and relations between the shoe manufacturers and the retail trade. S.I. Glantz. *Kozh. - obuv. prom.* 7 no. 1:10-20 Ap '65.

Investigating the infrared drying systems for shoes with chrome leather uppers. V.M. Khuchukova, S.I. Glantz. *Nauch. trudy MTIL* no. 40:140-141 '64.

Kinetic analysis of the gluing of the material for the sole and shoe manufacture by means of automatic presses. Report No. 1. S.S. Vasil'ev, V.S. Mentsov. *Nauch. trudy MTIL* no. 30:120-129 '64.

One of the characteristics of the solving of problems with the linear programming method. K.V. Glantz. *Nauch. trudy MTIL* no. 40:153-154 '64.

Special characteristics of the technology for the manufacture of cold weather footwear (boots) with uppers made from the new types of artificial leather. I.I. Steshov. *Kozh. - obuv. prom.* 7 no. 4:17-18 Ap '65.

Speeding-up of the technological process and increasing a fundamental improvement of the quality and assortment of footwear. V.S. Novikov. *Kozh. - obuv. prom.* 7 no. 4:8-13 Ap '65.

## SHOE MANUFACTURE—EQUIPMENT AND SUPPLIES

[Leather footwear, basic and auxiliary materials and supplies] *Obozryeniye mashin i priborov* dom. Kley, Gostekhtizdat USSR, 1965, 104 p. [SSSR. Gosstatizdat. Standartizatsiya]

## SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1903-

Always with the people. I. Kozlov. *Komm. Vostok* 46 no. 10:80-83 My '65.

Courage of humanity. M.I. Lobanov. *Trud. zh. i zh. zh.* 97-98 My '65.

M.A. Sholokhov: on the occasion of his 60th birthday. V.V. Litvinov. *Nauch. zh. i zh. zh.* 33 no. 5:32-33 My '65.

Our Sholokhov: on his 60th birthday. M.I. Lobanov. *Agitator* 33 no. 9:37-39 My '65.

## SHOOTING CONTESTS

Studying the tactics of dual contests. I.A. Gerasimov. *Teori i praktika fiz. kul't.* 27 no. 3:25-28 Mr '65.

## SHOPPING CENTERS—see subdivision under Ulyanovsk

## SHOR, MARK ISRAILEVICH, 1902-1964

Mark Israilovich Shor: an obituary. *Voen. i tekhn. zh.* 40 no. 2:78 Mr-Apr '65.

## SHORE PROTECTION

Devices for the reinforcement of the foundations of the structures for shore protection against washbacks. M.A. Khodzhashvili. *Trudy DPI (Gruz.)* no. 7:145-152 '63.

## SHORTHAND

Iurkovskii, A.M. [Study shorthand] *Izuchal shifrovaniya*. Moskva, Prosveshchenie, 1965, 93 p.

## SHORTWAVE RADIO—see Radio, Shortwave

## SHOSTAKOVICH, DMITRI DMITRIYEVICH, 1906-

Danilevich, L.V. [Our contemporary; the works of Shostakovich] *Nash sovremenniki: tvorchestvo Shostakovicha*. Moskva, Muzyka, 1965, 328 p.

"Katerina Izmailova." M. Rubin. *Sov. muz.* 20 no. 1:136-138 My '65.

## SHOT (PELLETS)

Shot boring of holes on a continuous face. M.A. Chupkashvili, A.E. Sokolov, V.D. Togouov. *Izv. vuz. uch. i tekhn. zh.* 8 no. 1:8-13 '65.

## SHOT PEENING—EQUIPMENT AND SUPPLIES

Increasing the wear resistance of the blades of shot-blasting units. *I. P. Bashkirev, V. V. Krikhtunov*. Vest mashinost. 45 no. 5:45-47 My '65.

## SHOULDER—DISEASES

Treatment of epicondylitis of the shoulder with hydrocortisone. *M. A. Litkin*. Vest khir., 93 no. 11:90-93 N '61.

## SHOWER BATHS

Massaging shower. *K. M. Ilyukov*. Teor. i prakt. fiz. kul't. 28 no. 6:69 Je '65.  
Semi-automatic shower-bath devices. *V. Egorov, Zhil., kom. khoz.* 15 no. 1:20 Ja '65.

## SHPINTSIN, NOEMI GRIGOR'EVNA, 1904-1903

Noemi Grigor'evna Shpintsin; an obituary. *Sov. etn.* no. 3:115-116 My-Je '61.

## SHRIMP FISHERIES

*Ivanov, B. G.* [Present state of world shrimp fisheries] *Sovremennoe sostoyaniye mirovogo promysla kreyolik*. Moskva, Tishchevala promyshlennost', 1964. 132 p.

SHRIMPS see subdivision under Black Sea

## SHITTEL'MAN, VIKTOR GRIGOR'EVICH, 1910-1965

Viktor Grigor'evich Shittel'man; an obituary. *Muk., elev. prom.* 31 no. 3:32 Mr '65.

## SHUL'GA—NESTERENKO, MARIA IVANOVNA, 1891-1964

Maria Ivanovna Shul'ga-Nesterenko (1891-1964). *Paleont. zhur.* no. 2:157-158 '65

## SHUSHENSKOYE (KRASNOYARSK PROVINCE)

Near to everyone's heart. *A. Volgarev, Zhil., kom. khoz.* 15 no. 4:7 Ap '65.

Shushenskoye today. *F. Erofeev, Zhil., kom. khoz.* 15 no. 4:8 Ap '65.

Village of Shushenskoye today. *Sel' stroi.* 19 no. 4:7 Ap '65.

## SHVEMBERGER, VLADIMIR IVANOVICH, 1894-1938

In memory of professor V. I. Shvemberger. *M. M. Dubinin and others, Zhur. prikl. khim.* 36 no. 4:557-559 Ap '65.

## SIBERIA—BOTANY

Some problems of principle and discussion in studying the vegetation of Siberia and the Far East. *V. V. Iversen et al., G. V. Kiylov, Izv. SO AN SSSR no. 12, Ser. biol.-med. nauk* no. 3:3-13 '64.

## SIBERIA—BUILDING—COLD WEATHER CONDITIONS

Construction operations under frost conditions according to "sensing" and "expanded thermos" methods in the Ukraine and in Siberia; a rejoinder to opponents. *I. A. Kireenko, Bet. i zhol.-bet.* 11 no. 4:42-46 Ap '65.

## SIBERIA—CONGLOMERATE

Perspects for finding ancient metallogenic conglomerates in Siberia. *F. P. Krendele, Geol. i geofiz.* no. 3:3-25 '65.

## SIBERIA—EMBANKMENTS

Embankment strengthening asphalt topping for conditions existing in Siberia. *I. U. K. Zhdanov, Transp. stroi.* 15 no. 4:51 Ap '65.

## SIBERIA—FERNS, FOSSIL

New Cretaceous ferns from the north of Siberia. *A. I. Klichikova, V. V. Pavlov, Paleont. zhur.* no. 2:118-121 '65.

## SIBERIA—FROZEN GROUND

Device for studying the abrasive characteristics of frozen soils. *N. N. Gorushkin, Trudy STI* 33:74-81 '62.

## SIBERIA—GEOGRAPHY

*Akademiya nauk SSSR, Institut geografii*. [Western Siberia] *Zapadnaya Sibir'*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 487 p. (DNC)

## SIBERIA—GEOLOGY, STRUCTURAL

Main characteristics of tectonic pattern of Siberia and the Far East in the light of geological and geophysical data. *E. E. Potladi, F. S. Moloschenko, Geol. i geofiz.* no. 12:3-21 '64.

Tectonic position of Caledonian ultrabasic belts in the south of Siberia and adjacent areas. *G. V. Pinus, Geol. i geofiz.* no. 1:3-10 '65.

## SIBERIA—ICE ON RIVERS, LAKES, ETC.

Effect of the deformation rate on the limit of strength of river ice. *F. I. Pukhin, Trudy Transp.-energ. inst. Sib. otd. AN SSSR* no. 15:77-82 '64.

Prolongation of navigation by the delay of full ice formation. *A. A. Bubyri, Trudy Transp.-energ. inst. Sib. otd. AN SSSR* no. 15:93-109 '64.

Results of full-scale determination of the dynamic ice pressure on structures by the kinematic method. *V. K. Morgunov, Trudy Transp.-energ. inst. Sib. otd. AN SSSR* no. 15:110-115 '64.

Strength of the ice cover in spring. *I. P. Butagin, Trudy Transp.-energ. inst. Sib. otd. AN SSSR* no. 15:67-76 '64.

Winter regime of river courses of Siberia and problems of its study. *K. N. Korzhavin, Trudy Transp.-energ. inst. Sib. otd. AN SSSR* no. 15:3-10 '64.

## SIBERIA—INLAND NAVIGATION

Prolongation of navigation by the delay of full ice formation. *A. A. Bubyri, Trudy Transp.-energ. inst. Sib. otd. AN SSSR* no. 15:93-109 '64.

## SIBERIA—LUMBER—TRANSPORTATION

Use of lumber transportation machinery with diesel engines. *I. U. A. Svirzhkin, A. T. Kosolapova, G. V. Sokolov, Trudy STI* 33:58-66 '62.

## SIBERIA—ORGANIC MATTER

Organic matter in the rocks of some alkali massifs in Siberia. *I. A. Petersill'e, E. D. Andreeva, E. V. Sveshnikova, Izv. AN SSSR, Ser. geol.* 30 no. 6:26-38 Je '65.

## SIBERIA—PEAT BOGS

Stratigraphy of peat bogs of the southern tundra of central Siberia. *A. A. Khramov, Izv. SO AN SSSR* no. 12 Ser. biol.-med. nauk no. 3:44-49 '64.

## SIBERIA—RAILROADS—DESIGN AND CONSTRUCTION

Construction of the Abakan-Tayshet railroad line. *G. S. Tsvetkov, I. U. M. Levin, Zhel. dor. transp.* 47 no. 4:82-84 Ap '66.

## SIBERIA—ROCKS, IGNEOUS

Organic matter in the rocks of some alkali massifs in Siberia. *I. A. Petersill'e, E. D. Andreeva, E. V. Sveshnikova, Izv. AN SSSR, Ser. geol.* 30 no. 6:26-38 Je '65.

## SIBERIA—ROCKS, SEDIMENTARY

*Vsesoyuznoye litologicheskoye soveshchanie. 5th. Novosibirsk*. [Sedimentary formations of Siberia; transactions] *Osadochnyye formatsii Sibiri*; trudy, Novosibirsk, Red.-zd. otdel. Sibirskogo otd-niya AN SSSR, Vol. 2, 1964. 162 p.

## SIBERIA—SOIL FUNGI

Nitrogen nutrition of the genus *Chaetomium* fungi isolated from various soils of Siberia. *N. N. Naplekova, Izv. SO AN SSSR* no. 12, Ser. biol.-med. nauk no. 3:105-110 '64.

## SIBERIA—SWAMPS

*Akademiya nauk SSSR, Sibirskoye otdeleniye, Institut lesa i drevessiny*. [Characteristics of swamp formation in some forest and peatland regions of Siberia and the Far East] *Osobennosti botanobrazovaniya v nekotorykh lesnykh i predgornnykh rayonakh Sibiri i Dal'nego Vostoka*. Moskva, Nauka, 1965. 181 p.

## SIBERIA—ULTRABASITE

Tectonic position of Caledonian ultrabasic belts in the south of Siberia and adjacent areas. *G. V. Pinus, Geol. i geofiz.* no. 1:3-10 '65.

## SIBERIA—WEED CONTROL

Problems of weed control. *N. Zaikin, Zaach. rast. ot. vred. i bol.* 10 no. 5:60 '65.

## SIBERIA, EASTERN—SOIL STABILIZATION

Improving the stability and water resistance of loamy soils by the addition of furfural-oxime resins. *G. I. Shalopacov, Trudy STI* 33:32-37 '62.

## SIBERIA, WESTERN—AERONAUTICS, COMMERCIAL

Summer navigation, an examination for maturity. *N. Pyzhnev, Grazhd. av.* 22 no. 6:2-3 Ja '65.

## SIBERIA, WESTERN—GRASSES—FERTILIZERS AND MANURES

Use of mineral fertilizers and herbicides in meadows of the taiga borderland in Western Siberia. *I. I. Zagrebnev, V. S. Nikiforov, Khim. v sel'. khoz.* 3 no. 5:18-17 My '65.

## SIBERIA, WESTERN—HORSEFLIES

Fauna and ecology of horseflies (Diptera, Tabanidae) of the steppe zone of Western Siberia. *N. A. Vitolovich, N. P. Gomolunova, Izv. SO AN SSSR* no. 12, Ser. biol.-med. nauk no. 3:111-118 '64.

## SIBERIA, WESTERN—PALAEBOTANY, STRATIGRAPHIC

Characteristics of the latitudinal change in the vegetation of the Upper Eocene and Lower Oligocene of Western Siberia, based on the data of pollen-spore analysis. *L. V. Aleksandrova, Izv. SO AN SSSR* no. 12, Ser. biol.-med. nauk no. 3:14-20 '64.

## SIBERIA, WESTERN—PETROLEUM

Main line to the Siberian petroleum. *Zhel. dor. transp.* 47 no. 5:77 My '65.

## SIBERIA, WESTERN—PETROLEUM GEOLOGY

*Nalivkin, V. D., and others*. [Comparative analysis of the oil and gas potential and the tectonics of the West Siberian and Turan-Scythian platforms] *Sravnitel'nyy analiz neftegazonosnosti i tektoniki Zapadno-Sibirskoi i Turano-Skifskoi plit.* Leningrad, Nedra, 1965. 322 p. (Leningrad, Vsesoyuznyi neftefakol nauchno-issledovatel'skiy geologorazvedochnyi institut, Trudy, no. 239)

## SIBERIA, WESTERN—PODZOL

Podzolic-gley soils of the central part of West Siberia. *I. M. Gaidzhev, Izv. SO AN SSSR* no. 12 Ser. biol.-med. nauk no. 3:29-36 '64.

## SIBERIA, WESTERN—RAILROADS

Railroad to Siberian oil. *P. I. Dzhobenadze, Transp. stroi.* 15 no. 4:36-38 Ap '65.

## SIBERIA, WESTERN—RAILROADS—DESIGN AND CONSTRUCTION

Main line to the Siberian petroleum. *Zhel. dor. transp.* 47 no. 5:77 My '65.

## SIBERIA, WESTERN—WATER, UNDERGROUND

*Akademiya nauk SSSR, Sibirskoye otdeleniye, Sibirskiy nauchno-issledovatel'skiy institut energiki*. [Formation of underground waters in Western Siberia and their use] *Formirovaniye podzemnykh vod Zapadnoi Sibiri i ikh ispol'zovanie*. Otv. red. D. I. Abramovich, Novosibirsk, Red.-izd. otdel. Sibirskogo otd-niya AN SSSR, 1965. 87 p.

## SIBERIA, WESTERN—WORMS, INTESTINAL AND PARASITIC

Interprovincial scientific and practical conference on the control of helminthiases in the regions of the Urals and Western Siberia and the scientific conference of the Tyumen' Branch of the Omsk Scientific Research Institute for Natural Focus Infections on medical parasitology. *L. K. Zerkhinov, Med. paraz. i paraz. bol.* 33 no. 6:756 N-D '64.

## SIBERIAN PLATFORM—GEOLOGY, STRUCTURAL

Role of the South Aldan re-entering angle and the ancient faults related to it in the development of structures in the southeastern part of the Siberian Platform. *A. U. Il'nov, Geol. i geofiz.* no. 12:123-127 '64.

## SIBERIAN PLATFORM—POTASSIUM

Indications of potassium potential in the south of the Siberian Platform. *I. U. P. Nikolskaya, A. S. Kolosov, Geol. i geofiz.* no. 1:43-61 '65.

Petrography and mineralogy of rock salts in the southwestern part of the Siberian Platform in connection with their potassium potential. *T. M. Zharova, Geol. i geofiz.* no. 12:29-37 '64.

## SIBERIAN PLATFORM—ROCK SALT

Petrography and mineralogy of rock salts in the southwestern part of the Siberian Platform in connection with their potassium potential. *T. M. Zharova, Geol. i geofiz.* no. 12:29-37 '64.

## SIEROZEM see subdivision under Arys' Valley

## SIEVES

Analyzing the work of a cylindrical sieve. *M. V. Kireev, Zap. Len. sel'khoz. inst.* 85:211-219 '61.  
Determining the size of the sieve mesh of vibrating screens. *P. S. Ermolaev, Stroi. mat.* 11 no. 1:14-16 Ja '65.

## SIGHTSINGING

*Vakhromsey, V. A.* [Methods of teaching sight-singing in children's musical schools] *Voprosy metodiki prepodavaniya sol'fedzhio v detskoy muzykal'noy shkole*. Moskva, Gos. muz. izd-vo, 1963. 87 p.

## SIGNS AND SYMBOLS

*Abramkin, L. A.* [Onoseological problems of the theory of signs] *Onoseologicheskie problemy teorii znakov*. Erevan, Izd-vo Armianskoi SSR, 1965. 253 p.

## SILAGE

Cup plant as a promising silage crop for Bukovina. *Z. I. Gritsak, Rast. res.* 1 no. 1:118-122 '65.  
New silage plants. *V. S. Sokolov, Rast. res.* 1 no. 1:97-101 '65.

Polygonum weyrichi as a promising silage crop for White Russia. *I. A. Kurov, I. I. Chekalinskaya, L. F. Iakimovskaya, Rast. res.* 1 no. 1:115-118 '65.  
Second Seminar-Conference on New Silage Plants. *M. V. Smol'skii, V. S. Sokolov, A. K. Churilov, Rast. res.* 1 no. 1:154-157 '65.

## SILAGE—MICROBIOLOGY

Role of propionic acid bacteria in the ensilage of feeds. *D. L. Shamis, K. A. Il'ina, Izv. AN Kazakh SSR, Ser. biol. nauk* 3 no. 1:44-51 Ja-F '65.

## SILAGE—HANDLING MACHINERY

Determining the form of the knife of the picker cylinder of a silage harvesting combine. *I. A. Ilikhashkin, I. U. V. Khomerko, Trakt. i sel'khoz. mash.* no. 5:23-26 My '65.  
Efficiency and quality of the work of a silage harvesting combine. *V. I. Pluzhnikov, Trakt. i sel'khoz. mash.* no. 5:15-16 My '65.

## SILANE

Calculation of rate constants for three-step parallel-consecutive reactions of second order. *V. O. Reikhsfel'd, V. A. Prokhorova, V. A. Pundina, Khim. i kat.* 6 no. 1:171-176 Ja-F '65.

#### SILANE (Continued)

Deposition of a surface tension of silicon tetra-  
chloride and triethylamine. L. A. Nisels' and others.  
Zh. prikl. khim., 33 no. 6:1227-1232 Je '65

Deposition of a surface tension of the ammonolysis of  
triethylamine. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1233-1234 Je '65

High pressure and high silanes. Part 16. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1235-1237 Je '65

High pressure and high silanes. Part 17. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1238-1240 Je '65

High pressure and high silanes. Part 18. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1241-1243 Je '65

High pressure and high silanes. Part 19. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1244-1246 Je '65

High pressure and high silanes. Part 20. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1247-1249 Je '65

High pressure and high silanes. Part 21. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1250-1252 Je '65

High pressure and high silanes. Part 22. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1253-1255 Je '65

High pressure and high silanes. Part 23. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1256-1258 Je '65

High pressure and high silanes. Part 24. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1259-1261 Je '65

High pressure and high silanes. Part 25. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1262-1264 Je '65

High pressure and high silanes. Part 26. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1265-1267 Je '65

High pressure and high silanes. Part 27. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1268-1270 Je '65

High pressure and high silanes. Part 28. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1271-1273 Je '65

High pressure and high silanes. Part 29. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1274-1276 Je '65

High pressure and high silanes. Part 30. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1277-1279 Je '65

High pressure and high silanes. Part 31. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1280-1282 Je '65

High pressure and high silanes. Part 32. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1283-1285 Je '65

High pressure and high silanes. Part 33. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1286-1288 Je '65

High pressure and high silanes. Part 34. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1289-1291 Je '65

High pressure and high silanes. Part 35. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1292-1294 Je '65

High pressure and high silanes. Part 36. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1295-1297 Je '65

High pressure and high silanes. Part 37. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1298-1300 Je '65

High pressure and high silanes. Part 38. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1301-1303 Je '65

High pressure and high silanes. Part 39. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1304-1306 Je '65

High pressure and high silanes. Part 40. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1307-1309 Je '65

High pressure and high silanes. Part 41. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1310-1312 Je '65

High pressure and high silanes. Part 42. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1313-1315 Je '65

High pressure and high silanes. Part 43. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1316-1318 Je '65

High pressure and high silanes. Part 44. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1319-1321 Je '65

High pressure and high silanes. Part 45. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1322-1324 Je '65

High pressure and high silanes. Part 46. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1325-1327 Je '65

High pressure and high silanes. Part 47. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1326-1328 Je '65

High pressure and high silanes. Part 48. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1329-1331 Je '65

High pressure and high silanes. Part 49. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1332-1334 Je '65

High pressure and high silanes. Part 50. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1335-1337 Je '65

High pressure and high silanes. Part 51. Certain  
features of the reaction of phenyltrichlorosilane with  
hydrogen. L. A. Nisels' and others. Zh. prikl. khim.,  
33 no. 6:1338-1340 Je '65

#### SILICON—PHOTOELECTRIC PROPERTIES

Carrier recombinations on zinc atoms in n-silicon.  
B. V. Kornilov. Fiz. tver. tela 7 no. 6:1705-1709 Je '65

#### SILICON ALLOYS

Impurity and inter-impurity radiative recombination  
in silicon. I. A. E. Fokrovskii, K. I. Svislunova. Fiz.  
tver. tela 7 no. 6:1837-1845 Je '65

#### SILICON CARBIDE

Silicon carbide and ferrosilicochrome. N. E. Filonenko,  
G. M. Zaretskaya. Zhur. prikl. khim., 38 no. 4:841-  
842 Ap '65

#### SILICON CHLORIDES

Cleavage of siloxanes by silicon tetrachloride. S. A.  
Golubtsov, Z. V. Belikova, M. G. Pomerantseva.  
Zhur. ob. khim., 35 no. 6:1044-1048 Je '65

Density, viscosity, and surface tension of silicon tetra-  
chloride and trichlorosilane. L. A. Nisels' and others.  
Zhur. neorg. khim., 10 no. 6:1287-1289 Je '65

#### SILICON-CHROMIUM-IRON ALLOYS see Iron-silicon- chromium alloys

#### SILICON CRYSTALS—ELECTRIC PROPERTIES

Some features of the behavior of silicon in the course of  
a thermal treatment. M. I. Igiltyn and others. Izv.  
AN SSSR. Neorg. mat. 1 no. 3:311-315 Mr '65

#### SILICON ELECTRODES see Electrodes, Silicon

#### SILICON-LANTHANUM ALLOYS see Lanthanum-silicon alloys

#### SILICON ORGANIC COMPOUNDS

Determination of the heat of formation of some deriva-  
tives of ethoxysilane series. I. U. B. Nadzhafov, I. U. Kh.  
Shaulov. Plast. massy no. 3:16-18 '65

Effect of the structure of a silicon-containing nitrile on  
the course of its catalytic reduction. T. A. Sladkova,  
L. Kh. Freidlin. Izv. AN SSSR. Ser. khim., no. 6:1061-  
1065 '65

Formation and reactions of free radicals in organosilicon  
compounds subjected to ultraviolet radiation. Part 1:  
Polyphenylmethylsiloxane. E. L. Zhuzhgov, N. N. Bubnov,  
V. V. Voevodskii. Khim. kat. 6 no. 1:56-64 Ja-F '65

Polyester phenylsiloxane compounds. V. E.  
Nikitentov, A. G. Frelkova. Plast. massy no. 4:  
24-26 '65

Quantitative determination of double bonds in organo-  
silicon compounds containing silicon hydride groups.  
A. P. Kreshkov, V. A. Bork, M. I. Aparsheva. Plast.  
massy no. 4:62-65 '65

Reaction of organosilicon  $\alpha$ -oxides of the acetylene  
series with primary and secondary aliphatic amines.  
F. I. A. Pervov, R. A. Bogatkin. Zhur. ob. khim., 35  
no. 5:801-804 My '65

Rehydrogenation of silylhydrazines. G. S. Goldin, N. L.  
Ivanova. Zhur. ob. khim., 35 no. 5:811-813 My '65

Silicon-containing acid amides. Part 1: Preparation of  
methylalkyl (methylacetamido) methylsilanes. L. K.  
Masli, B. V. Aleksandrov. Zhur. ob. khim., 35 no. 6:  
1058-1060 Je '65

Silylthiophene elastomers. N. S. Nemetkin, V. M. Vdovin,  
V. I. Zaytsev. Vysokom. soed. 7 no. 4:757 Ap '65

Synthesis and study of functional organosilicon com-  
pounds with hydrocarbon bridges between silicon  
atoms. Part 6: Synthesis and dehydration of organo-  
silicon tertiary acetylenic alcohols with a p-phenylene  
group between silicon atoms. V. F. Kuenshova, N. I.  
Smetsankina. Zhur. ob. khim., 35 no. 5:813-816 My '65

Synthesis and study of the basicity of ethoxysilanes and  
siloxanes containing 3, 3, 3-trifluoropropyl groups at the  
silicon atom. E. G. Kagan, N. V. Kozlova, A. L.  
Klebanov. Zhur. ob. khim., 35 no. 6:1060-1065 Je '65

Synthesis and transformations of oxygen-containing  
organic and organosilicon compounds. Part 24:  
Synthesis and transformations of acetylenic formalde-  
hydes. I. A. Shikhlov, A. A. Vutankha, B. M. Guseinzade. Zhur.  
ob. khim., 35 no. 5:812-814 My '65

Synthesis of di-(trifluoromethyl)-cyclobutadiene. V. D. Azatkh,  
I. V. Azatkh. Izv. AN Arm. SSR. Khim. nauki 17 no. 6:709-708 '64

Synthesis of silicon-containing cellulose ethers. N. V.  
Ivanov, Z. A. Rogovin, Nguyen Vin' Chi. Izv. vys. ucheb.  
zav., khim. i khim. tekhn. 8 no. 1:124-126 '65

Synthesis of some simplest carbo-cyclic derivatives of  
barium. L. I. Zakharin. Izv. AN SSSR. Ser. khim.,  
no. 6:1114-1116 '65

Unsaturated organosilicon compounds. Part 16: Addition  
of alkylaluminum to 1-trimethylsilyl-1, 3-hexadiene.  
D. G. Shakhovskoi, M. D. Stachuk, A. A. Petrov.  
Zhur. ob. khim., 35 no. 6:1031-1036 Je '65

Ways of reducing the hardening temperature of heat  
resistant organosilicon glues. A. R. Davydov, Z. G.  
Ivanova. Plast. massy no. 4:72-74 '65

#### SILICON ORGANIC COMPOUNDS—PHYSICAL AND EFFECT

Experimental studies on the effect of poly-  
siloxanes on the reactivity of the skin. M. I. Azatkh,  
E. A. Evleva. Vest. dermat. ven. 38 no. 2:101-103  
'65

#### SILICON-VANADIUM ALLOYS see Vanadium-silicon alloys

#### SILKWORMS

Fertility of allotetraploid male silkworms (Bombyx mori)  
after four generations of the tetraploid line. V. N. Vasilov,  
B. L. Astaurov. Hist. MOIP. Old. biol. 70 no. 1:1-4  
Ja-F '65

#### SILCO

Prestrained silico towers of monolithic reinforced  
concrete. K. P. Putnikov, A. I. Chertomov. Vest. der-  
mat. 38 no. 5:16-20 My '65

Stressed state of the filler during the outflow from a  
square silico. Q. V. Lebedev, S. F. Solov'ykh. Izv. v.  
ucheb. zav., stroit. i arkhit. 11 no. 4:157-159 '65

#### SILOXANES

Cleavage of siloxanes by silicon tetrachloride. S. A.  
Golubtsov, Z. V. Belikova, M. G. Pomerantseva.  
Zhur. ob. khim., 35 no. 6:1044-1048 Je '65

Polymers with inorganic chains of molecules of  
tetramethoxysiloxane. K. A. Andrianov and others.  
Izv. AN SSSR. Neorg. mat. 1 no. 3:321-324 Mr '65

Synthesis and properties of polytetramethoxysiloxane.  
K. A. Andrianov and others. Vysokom. soed. 7 no. 4:  
600-607 Ap '65

Synthesis and study of the properties of polydimethyl-  
siloxanes containing carboxyl groups in organic  
radicals. K. A. Andrianov, A. A. Zhilarsky, J. V.  
Kashutina. Zhur. ob. khim., 35 no. 6:1047-1051 Je  
'65

X-ray diffraction study of polytetramethoxysiloxane.  
K. A. Andrianov and others. Vysokom. soed. 7 no. 4:  
588-595 Ap '65

X-ray diffraction study of polytetramethoxysiloxane.  
K. A. Andrianov and others. Vysokom. soed. 7 no. 4:  
596-603 Ap '65

#### SILUMIN—TESTING

Effect of impurities on the basic mechanical properties  
of silumin. G. M. Vorob'ev, R. M. Golshstein, I. I.  
Maurits. TSvet. met. 38 no. 3:83-86 Mr '65

#### SILVER

Compositions: Silver-zinc oxide, and silver-lead  
obtained by an oxide anionizing method. P. M. Stetsko,  
M. D. Povolotskii. Elektrotekhnika 38 no. 1:22-24  
Mr '65

Interpretation of the results of impedance measurements  
in the course of anodic oxidation of silver in alkali.  
D. I. Leikis, G. L. Vidovich. Elektrotekhnika 38 no. 1:  
477-478 Ap '65

#### SILVER-ELECTROMETALLURGY

Electrodeposition of silver from fused chlorides. P. V.  
Pallakov. Izv. vys. ucheb. zav., fiz. i mat. 8 no. 1:  
85 '65

#### SILVER CATALYSTS

Differential calorimetry method of studying the  
oxidation of propylene and propylene oxide on silver catalysts.  
V. P. Latsyuk, L. M. Kalibabko, N. I. Popova. Khim. kat.  
6 no. 1:167-171 Ja-F '65

#### SILVER COMPOUNDS

Cadmium and zinc thiodiarylgens. K. H. Marnett,  
Zhur. neorg. khim., 10 no. 5:1280-1282 My '65

#### SILVER IODIDE

Negative levelling effect in the deposition of silver from  
a silver iodide electrolyte. S. I. Kruchin, Elektrotekhnika  
38 no. 1:800-812 My '65

#### SILVER ISOTOPES

Distribution of colloidal Ag<sup>110</sup> in the organism of a rat  
in intragastric administration and its influence on the  
development of the Brown-Pearce tumor. Sh. I. Plesha.  
Med. rad. 10 no. 2:45-48 F '65

#### SILVER NITRATE

Reaction of silver nitrate with thionurea and allylthiourea  
in methanol solutions. N. L. Stroeva and others.  
Zhur. neorg. khim., 10 no. 5:1278-1280 My '65

#### SILVER PLATING

Negative levelling effect in the deposition of silver from  
a silver iodide electrolyte. S. I. Kruchin, Elektrotekhnika  
38 no. 1:800-812 My '65

Using the BRT-200M current reverser in silver plating.  
L. N. Bykov and others. Mashinostroenie no. 3:81-83  
My-Je '65

#### SILVER THIOCYANATE

Process of inclusion of the [Ag(CNS)<sub>2</sub>]<sup>-1</sup> anion substituted  
with an Ag<sup>110</sup> isotope into a forming anodic oxide film  
on aluminum. A. P. Bogolayevskii, N. K. Matashin.  
Zhur. prikl. khim., 38 no. 4:1332-1334 Ap '65

- SIMEONOV, KONSTANTIN ARSEN'EVICH, 1910-**  
With a clear conscience. E. Desiatnik. Sov. muz. 20 no. 5 89-91 My '65.
- SIMFEROPOL'—TEACHING**  
Maybe this is the way to solve the problem? A. Kosik. Nat. obs. no. 6:46-17 Je '65.
- SIMILITUDE, THEORY OF**  
Geometrical similitude in the rolling of corresponding strips. V. S. Smirnov. Trudy LPI no. 243:44-53 '65.  
Modeling and equivalent representation. N. A. Mel'nikov. Izv. AN SSSR. Energ. i transp. no. 2:65-68 Mr-Apr '65.  
Similitude theory in rolling. V. S. Smirnov. Trudy LPI no. 243:38-43 '65.  
Value of a generalized approach to modeling. I. B. Novik. Izv. AN SSSR. Energ. i transp. no. 2 62-64 Mr-Apr '65.
- SIMULATION METHODS**  
Modeling the process of chemical dissolution of geometrically similar specimens. N. N. Tkachenko, I. L. Vasilenko, G. V. Karpenko. Fiz.-khim. mekh. mat. 1 no. 2:144-146 '65.  
Physical modeling of the pressure vibrations in pipeline systems. A. S. Vladislavlev and others. Gaz. delo no. 1:14-17 '65.
- SINGERS, GEORGIAN**  
Youth from Tiflis. A. Tumanov. Sov. muz. 20 no. 3 96 Mr '65.
- SINGING—INSTRUCTION AND STUDY**  
For the improvement of vocal skills. E. Katul'skaia and others. Sov. muz. 29 no. 3:83-91 Mr '65.
- SINTERING**  
(see also subdivision under Karaganda, Lebyazh'ye Mountain, Sverdlovsk Province)  
Proportioning the moisture in the sintering batch mixture. S. I. Kononov, S. I. Sekir. Metallurg 10 no. 6:11 Je '65.  
Strength of sinter from Kursk Magnetic Anomaly area. S. V. Barilevich, V. F. Kutsenko, T. N. Barilevich. Stal' 25 no. 5:385-393 My '65.
- SINTERING—COOLING**  
Automatic control of the return cooling cycle in a sintering plant. V. A. Syomlaskii and others. Metallurg 10 no. 6:6-8 Je '65.
- SIPUNCULIDA** see subdivision under Mediterranean Sea
- SIRENA**  
Sirena, fiction and reality. M. V. Ivashin. Priroda 54 no. 0:101-100 Je '65.
- SIVASH REGION—GEOLOGY, STRATIGRAPHIC**  
New data on Upper Cretaceous sediments in the Sivash region. O. T. Bohatets. Geol. zhur. 25 no. 2 45-52 '65.
- SIZING (TEXTILE)—EQUIPMENT AND SUPPLIES**  
Calculating the press joint of the tenon and wringing shaft of sizing machines. L. N. Ivanov. Nauch.-issl. trudy VNILT'EKMAŠIA no. 11:47-50 '64.
- SKATES—WELDING**  
Welding of KhSNiOT and U8A steel hockey skates. L. D. Vorotnik, V. I. Brigidin. Svar. proizv. no. 5:28-29 My '65.
- SKIDEL' REGION (WHITE RUSSIA)—COMMUNIST YOUTH LEAGUE**  
Verkhos'. V. P., and A. L. Garel'ik. [This happened in Skidel'] Eto bylo v Skidele, Izd. 2, Minsk, Belarus', 1965. 70 p.
- SKIDEL' REGION (WHITE RUSSIA)—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**  
Verkhos'. V. P., and A. L. Garel'ik. [This happened in Skidel'] Eto bylo v Skidele, Izd. 2, Minsk, Belarus', 1965. 70 p.
- SKIN**  
Effect of some components of ointment bases on the penetration of chlorotetracycline through intact skin in rabbits. V. K. Vasil'ev, E. N. Lazareva, V. I. Pochapinskii. Antibiotiki 10 no. 5:442-445 My '65.  
Experimental studies on the effect of polyorganosiloxane liquids on the reactivity of the skin. M. T. Aliushin, E. A. Elyeva. Vest. dermat. i ven. 38 no. 6:20-34 Je '64.
- SKIN—DISEASES**  
Gangrenous pyoderma. I. U. IA. Ashmarin. Vest. dermat. i ven. 38 no. 6:48-55 Je '64.  
Histological changes in pemphigus and Dühring's dermatitis. G. S. Tsaridis. Vest. dermat. i ven. 38 no. 6:10-18 Je '64.  
Problem of the causal classification of dermatoses. P. V. Kozhevnikov. Vest. dermat. i ven. 38 no. 6:3-10 Je '64.  
Sensitization of the skin in cutaneous lesions caused by boiler-acids removing agents. G. I. Lobanovskii. Vest. dermat. i ven. 38 no. 6:21-28 Je '64.
- Toxic effect of synthetic antimalarial preparations in patients with late cutaneous porphyria. B. N. Krivosheev. Vest. dermat. i ven. 38 no. 6:60-65 Je '64.  
Use of long-wave X-ray irradiation in dermatology. A. N. Krongauz, A. V. Frolova. Vest. dermat. i ven. 38 no. 6:66-68 Je '64.
- SKIN—TUBERCULOSIS**  
Nonspecific allergy in cutaneous tuberculosis patients. M. I. Bagava. Vest. dermat. i ven. 38 no. 6 43-48 Je '64.
- SKIN—TUMORS**  
Treatment of papillomatosis. P. A. Nechaev. Veneriaria 42 no. 5:85-85 My '65.
- SKIN GRAFTING**  
Discovery of fixed antibodies on the cells of skin homografts. E. A. Zol'tkov and others. Pat. fiziol. i ekap. teap. 8 no. 6:52-55 N-D '64.  
Primary skin grafting in treating malignant tumors. Kh. Sh. Mirakhmedov. Vop. onk. 10 no. 12:68-72 '64.  
Skin homotransplantation in rats following administration of the recipients' spleen suspension to the donors. D. K. Novikov. Biol. ekap. biol. i med. 59 no. 6 85-97 Je '65.
- Vilnius, Mincys. [Plastic skin surgery] Odos plastika. Vilnius, Mincis, 1965. 234 p. [In Lithuanian] (DNL)**
- SKIS AND SKIING**  
Methods for preventing the warping of skis. K. K. Arsen'ev. Der. prom. 14 no. 2:14 F '65.  
Planning the training load for women mountain skiers (competitive stage). L. K. Chernukha. Teor. i prakt. fiz. kul't. 27 no. 3 21-24 Mr '65.  
Psychological characteristics of the will power qualities of racing skiers. A. P. Povarnitsyn. Teor. i prakt. fiz. kul't. 27 no. 3 19-21 Mr '65.  
Studying the tactics of dual contests. IA. I. Savitskii. Teor. i prakt. fiz. kul't. 27 no. 3 25-26 Mr '65.
- SKULL**  
Cartilage of the palatine bone of the skull in birds. D. N. Gorman. Sbor. trud. Zool. muz. MGU 9:232-247 '65.  
Comparative cranology of present representatives of the genus Bison. K. K. Fierov. Biol. MOIP. Otd. biol. 70 no. 1:40-54 Ja-F '65.
- SKULL—ABNORMALITIES AND DEFORMITIES**  
Craniofacial. A. E. Rubasheva, A. P. Burkovskaja. Vest. rent. i rad. 40 no. 1:46-51 Ja-F '65.  
Foramina parietalia permagna in an adult man. D. A. Dorogon', I. E. Shkola. Vest. rent. i rad. 40 no. 2:63-64 Mr-Apr '65.
- SKULL—FRACTURE**  
Clinical characteristics of craniofacial traumas with fractures of the skull. L. A. Lotman. Trudy Inst. im. N. V. Sklif. 8:47-53 '63.  
Results of fractures of the skull in children. S. M. Bashirov, V. V. Ushakov. Trudy Inst. im. N. V. Sklif. 8:94-95 '63.  
Serious craniofacial trauma combined with injuries of the trunk and the extremities. D. Ia. Gorenshstein. Trudy Inst. im. N. V. Sklif. 8:127-132 '63.  
Some problems of diagnosis and surgical treatment of acute craniofacial traumas based on materials of the Sklifosovskii Institute. V. V. Lobedev, I. U. V. Isakov. Trudy Inst. im. N. V. Sklif. 8:5-11 '63.  
Treatment of skull traumas accompanied by injuries of the venous sinuses of the dura mater. V. V. Lobedev, I. U. S. Ioffe, B. V. Chetverushkin. Trudy Inst. im. N. V. Sklif. 8:54-57 '63.
- SKULL—RADIOGRAPHY**  
Craniofacial. A. E. Rubasheva, A. P. Burkovskaja. Vest. rent. i rad. 40 no. 1:46-51 Ja-F '65.
- SKULL—SURGERY**  
Closing the defects of the skull and the dura mater. T. K. Vichomova-Ostpenkova, N. S. Balaev. Trudy Inst. im. N. V. Sklif. 8:154-157 '63.  
Our method of primary alloplasty for defects of the skull. V. D. Gotovanov, M. E. Tkacheva. Trudy Inst. im. N. V. Sklif. 8:161-163 '63.  
Primary and secondary alloplasty of the defects of the skull bones and the dura mater. N. S. Balaev. Trudy Inst. im. N. V. Sklif. 8:77-82 '63.
- SKULL—WOUNDS AND INJURIES**  
Anesthesia in surgery on craniofacial traumas. V. V. Lobedev, B. G. Zhilis, B. V. Chetverushkin. Trudy Inst. im. N. V. Sklif. 9:222-225 '63.
- SLAG**  
Producing agloporite from boiler slags. S. G. Vasil'kov. Stroim. 11 no. 3:31-32 Ja '65.  
Production of crumbling open-hearth furnace slag. O. I. Litunskaja and others. Metallurg 10 no. 5:20-21 My '65.  
Using aluminothermic slag. P. P. Budnikov, V. S. Gorshkov. Stroim. mat. 11 no. 4:30-31 Ap '65.
- SLASH (LOGGING)**  
Kacheikin, L. I., ed. [Use of lumbering wastes] Ispol'zovanie otkhodov lesozagotovok. [By] L. I. Kacheikin i dr. Moskva, Lesnaja promyshlennost', 1965. 322 p.
- SLAUGHTERING AND SLAUGHTERHOUSES** see subdivision under Dneprodzerzhinsk
- SLAUGHTERING AND SLAUGHTERHOUSES—EQUIPMENT AND SUPPLIES**  
Gorbatov, V. M., and I. A. Lagosha. [Handbook on the equipment of meat industry enterprises] Spravochnik po oborudovaniiu predpriatii miasnoi promyshlennosti. Moskva, Pishchevaia promyshlennost', 1965. 576 p.
- SLAVIC ANTIQUITIES** see subdivision under Balabaneshy region (Moldavia), Bukovina, Chernyakhov region (Ukraine), Donets Valley, Kirovograd Province, Lvov Province, Oskorovka region (Ukraine), Ukraine, Uman' District, Volyn'
- SLAVIC LANGUAGES—GRAMMAR, COMPARATIVE**  
Burlachok, A. A. [Exercises and assignments in the comparative grammar of the Eastern Slavic languages; for the language and literature faculties of pedagogical institutes] Zbirnyk vprav i zavdan' z porivnial'noi gramatyky shkhoslov'ians'kykh mov; dla fakul'tetiv movy ta literatury pedagog. in-tiv. Kyiv, Radians'ka shkola, 1961. 139 p. tables. (CaOTU)  
Some remarks on diachronic studies. J. Hamm. Vop. iz. 14 no. 1:22-36 Ja-F '65.
- SLAVIC LITERATURE**  
Sector of Slavic Literatures. A. S. Sov. slav. no. 2 119-120 '65.
- SLAVIC POTTERY** see Pottery, Slavic
- SLAVIC STUDIES**  
(see also subdivision under Bulgaria, Moscow; Ukraine)  
Problems concerning Slavic studies at the International Congress of Ethnography. V. K. Sokolova. Sov. slav. no. 2:113-117 '65.  
Problems of Slavic studies discussed at the General Session of the Department of History of the Academy of Sciences of the U.S.S.R. E. P. Naumov. Sov. slav. no. 2:105-106 '65.
- SLAVS, WESTERN**  
Sector of the History of Slavic Nations Abroad in the Epoch of Socialism. M. I. Kopasheva. Sov. slav. no. 2 119 '65.  
Tasks of the study of the great heritage of V. I. Lenin. Sov. slav. no. 2:3-5 '65.
- SLAVS, WESTERN—CULTURE**  
The group studying the culture of the Slavic countries abroad. N. Prokof'eva. Sov. slav. no. 2 120-121 '65.
- SLIDE VALVES—HYDRODYNAMICS**  
Experimental determination of the axial hydrodynamic force in hydraulic slide valves. V. F. Denisov. Uch. zap. Mord. gos. un. no. 15 pt. 2:66-70 '63.
- SLOBODIANIK, ALEKSANDR**  
Aleksandr Slobodianik. M. Nest'eva. Sov. muz. 29 no. 3:95 Mr '65.
- SLOPES (PHYSICAL GEOGRAPHY)**  
Method for plotting maps of rain precipitation energy, and their use in geomorphological analysis. N. F. Matveev. Uch. zap. MOPI 124:131-157 '63.
- SLOVENIA—OPERA**  
The Slovenian Opera. Marian Koval'. Teatr 26 no. 3:130-132 Mr '65.
- SLOVTSOV, PETR NIKOLAEVICH, 1915-**  
Public figure. D. S. Teatr 26 no. 5:134 My '65.
- SMELTING**  
Formation of sulfides during a shaft furnace smelting of oxidized nickel-containing ores. S. Ia. Kolodny. Zhur. prikl. khim. 38 no. 4:855-863 Ap '65.
- SMOKED FISH** see Fish, Smoked
- SMOLENSK—BUILDING**  
Clear and indisputable advantages. K. Freidina. Na stroim. 6 no. 4:14-15 Ap '65.  
Material and technical supply is the important problem. A. Svyatov. Na stroim. 6 no. 4:16-17 Ap '65.
- SMOLENSK—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION**  
Construction of industrial projects by the Smolensk Industrial Construction Trust According to a net-planning diagram. K. Ia. Bakis. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:53-58 Ap '65.
- SMOLENSK—MILITARY COURTS**  
War gave birth to these destinies. IA. Daidredzhieva. Sov. iust. 29 no. 9:27-29 My '65.



## SOIL FERTILITY

Estimating the fertility of forest soils. A. I. Orlov, S. P. Koshelev. *Pochvovedenie* no. 3 62-72 *Ap* '65

## SOIL FORMATION

(see also subdivision under Russia, Northwestern, Vorskla Valley)

Structure (formation) of soil cover. V. M. Fridland. *Pochvovedenie* no. 115-78 *Ap* '65.

## SOIL FUNGI see subdivision under Siberia

## SOIL INOCULATION

Effect of bacterization on the nitrogen and carbohydrate metabolism of the blue hybrid alfalfa. I. A. Venlovekaya. *Trudy GSKH* 0:95-101 '65.

## SOIL MECHANICS

Behavior of a sandy foundation bed under a vertically loaded stamp. A. P. Kuivorotov. *Osn., fund. i mekh. grun.* 7 no. 3:4-8 '65.

Calculation of the settling of deep foundations in clay beds. V. G. Hozemutnev. *Osn., fund. i mekh. grun.* 7 no. 3:1-1 '65.

Characteristics of the operation of a sand embankment on peat ground. V. P. Solchenok. *Dokl. AN SSSR* 9 no. 3:187-189 *Ap* '65.

Determining the calculated value of the modulus of the deformation of road soils. G. I. Shelopae, *Trudy STI* 33:12-21 '62.

Determining the passive pressure of soil on the sheet-piling of slopes. V. D. Savelyev. *Mor. flot* 25 no. 4:34-35 *Ap* '65.

Experimental study of the passive pressure of ground bounded by a slope. V. D. Savelyev. *Transport.* 15 no. 1:11-45 *Ap* '65.

In situ studies of the deformations of sagging ground under testing plates. A. A. G. Igorian, B. G. Kulachenok. *Osn., fund. i mekh. grun.* 7 no. 3:7-8 '65.

Joint performance of building and foundation bed under conditions of great deformations during the compaction of loose strata by the weight of the structure. B. I. Chernyi and others. *Osn., fund. i mekh. grun.* 7 no. 3:13-16 '65.

Study of the laws governing instantaneous deformations of clay soils due to one-dimensional condensation. S. R. Meschian. *Izv. AN Arm. SSR Ser. fiz.-mat. nauk* 18 no. 2:71-81 '65.

## SOIL MICRO-ORGANISMS

(see also subdivision under Carpathian Mountain region)

Submicroscopic bodies in soil suspensions. S. B. Stefanov, D. I. Nikitin. *Mikrobiologiya* 34 no. 2:313-317 *Mr*-*Ap* '65.

## SOIL MOISTURE

(see also subdivision under White Russia)

Conservation of moisture as the main factor in the system of agriculture. A. I. Skachkov. *Zemledelie* 27 no. 5:22-28 *My* '65.

Dependence of the harvest in the arid zone on the available soil moisture. N. I. Koiunkovich. *Izv. AN SSSR. Ser. geog.* no. 3:40-52 *My*-*Je* '65.

Determining moisture of soils by their gamma-radiation. A. V. Dmitriev and others. *Meteor. i gidrol.* no. 7:58-59 *Je* '65.

Factors affecting the migration of ammonium from soils. G. E. Nemeruk, V. P. Pal'tsev, V. F. Sinel'gizova. *Pochvovedenie* no. 4:55-64 *Ap* '65.

## SOIL PERCOLATION

(see also subdivision under Russia, Northwestern)

Displacement of water by gas in an inhomogeneous stratum. M. V. Filinov. *Izv. AN SSSR. Mekh.* no. 2. 170-181 *Mr*-*Ap* '65.

Interaction of water-bearing strata divided by weakly permeable strata. A. Bogmatov, S. T. Rybakova. *Izv. AN SSSR. Mekh.* no. 2:182-186 *Mr*-*Ap* '65.

## SOIL PHYSICS

Effect of the forced vibration of a plow on the stability of soil structure. V. I. Tsvetnikov. *Zap. Len. sel'khoz. inst.* 85:252-259 '61.

Effect of the thickness and free porosity of the drying layer on evaporation rates. L. K. Tsel'shchaya. *Pochvovedenie* no. 3:82-86 *Ap* '65.

Studying the laws of instant deformations of clayey soils in shifts. S. R. Meschian. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk* 18 no. 1:80-99 '65.

## SOIL RESEARCH

(see also subdivision under Bulgaria)

A valuable source of the history of Soviet soil science. B. V. Levshin, V. M. Surinov. *Pochvovedenie* no. 3:98-100 *Mr* '65.

## SOIL SCIENCE

Mitribanlian, Kh. P. [Soil science] *Pochvovedenie*. Moskva, Kolos, 1955. 343 p. map. (Uchebnyi i uchebnye posobia dlia vysshihkh sel'skokhoziaistvennykh uchebnykh zavedenii)

Zaitsev, B. D. [Soil science] *Pochvovedenie*, 2. izd. Moskva, Lesnaia promyshlennost', 1965. 267 p.

## SOIL SCIENCE—CONGRESSES

Eighth International Congress of Soil Scientists. E. N. Mishustin. *Mikrobiologiya* 34 no. 2:377-380 *Mr*-*Ap* '65.

## SOIL STABILIZATION

(see also subdivision under Siberia, Eastern)

Preventing washouts. E. I. Bunin. *Put' i put. khoz.* 9 no. 3:25 '65.

## SOIL STABILIZATION—EQUIPMENT AND SUPPLIES

(see also subdivision under Golodnaya Steppe)

Investigating a continuous-action tamping assembly for the compaction of intrafarm canals. E. M. Ostrovskii. *Vop. gidr.* no. 22:35-42 '65.

Mechanization of the compaction of soils in canals. A. Abrar'khodzhev. *Vop. gidr.* no. 22:43-50 '65.

## SOIL SURVEYS—EQUIPMENT AND SUPPLIES

Mechanical soil sampler for taking deep samples of undisturbed soil in order to determine its bulk density. U. H. Pulatov, I. A. Sarukhanov. *Vop. gidr.* no. 22. 86-90 '65.

## SOILS

(see also subdivision under Altai Territory, Azerbaijan, India; Indonesia, Russia, Northwestern, Sakhalin, Yugoslavia)

Some physical and agrochemical characteristics of soils in the microdepressions of an orchard. L. G. Zemlanskii. *Sbor. nauch. rab. NIIsad.* no. 10:101-105 '64.

## SOILS—ABSTRACTS

[Soil science, Fertilizers, Reclamation] *Ref. zhur.* *Pochv. udobr. mel.* nos 12-13 *Je*-*Je* '65.

## SOILS—AMMONIUM CONTENT

Factors affecting the migration of ammonium from soils. G. E. Nemeruk, V. P. Pal'tsev, V. F. Sinel'gizova. *Pochvovedenie* no. 4:55-64 *Ap* '65.

## SOILS—ANALYSIS

Changes in the mechanical, mineralogical, and chemical characteristics of turf-Podzolic soils on carbonate rich sand-brown moraine. L. Reintam, A. Raukas. *Pochvovedenie* no. 3:20-38 *Mr* '65.

Clayey minerals in Scottish soils. R. C. MacKenzie. *Pochvovedenie* no. 4:75-87 *Ap* '65.

Draft of new norms: "Instructions for determining the characteristics of soils." V. V. Mikheev, S. I. Sinel'shchikov. *Osn., fund. i mekh. grun.* 7 no. 3:30-32 '65.

Methods for the removal of acids from soil. E. P. Kharitonova. *Pochvovedenie* no. 3:97-98 *Mr* '65.

Soil propeller auger. M. M. Godlin. *Pochvovedenie* no. 3:98 *Mr* '65.

## SOILS—BIBLIOGRAPHY see Bibliography—Soils

## SOILS—CLASSIFICATION

(see also subdivision under Karelia)

Classification of light soils based on their wind erodibility. V. G. Gaeil, L. F. Smirnova. *Pochvovedenie* no. 4:1-15 *Ap* '65.

## SOILS—COBALT CONTENT

Accumulation of cobalt by plants as related to the content and forms of its compounds in the soil. N. V. Kulikov, N. A. Timofeeva. *Pochvovedenie* no. 4:70-74 *Ap* '65.

## SOILS—COMPOSITION

Agrochemical changes in the soil profile of an apple orchard. A. K. Kondakov. *Sbor. nauch. rab. NIIsad.* no. 10:98-101 '64.

## SOILS—DENSITY

Mechanical soil sampler for taking deep samples of undisturbed soil in order to determine its bulk density. U. H. Pulatov, I. A. Sarukhanov. *Vop. gidr.* no. 22: 86-90 '65.

## SOILS—IRON CONTENT see subdivision under Lenkoran Lowland

## SOILS—MANGANESE CONTENT

Determining manganese by the photometric method using formaldehyde. A. D. Golobov. *Pochvovedenie* no. 3: 89-93 *Mr* '65.

## SOILS—MAPS

Map on the weediness of fields. I. N. Kazakov. *Zemledelie* 27 no. 5:82-85 *My* '65.

## SOILS—PHOSPHORUS CONTENT

Content of available phosphorus acid as related to the mechanical composition and agrochemical characteristics of soils. M. K. Rakhuba. *Vestn. AN SSSR Ser. sel'khoz. nauk* no. 4:10-15 '64.

## SOILS—TRACE ELEMENT CONTENT see subdivision under Krasnoyarsk Territory

## SOILS, RADIOACTIVE SUBSTANCES IN

Grodzinski, D. M. [Natural radioactivity of plants and soils] *Estestvennaya radioaktivnost' rastenii i pochv.* Kiev, Naukova dumka, 1965. 215 p.

## SOKOLOV, NIKOLAI NIKOLAEVICH, 1895-

Nikolai Nikolovich Sokolov, on his 70th birthday. M. A. Glazovskaya, I. A. Liverovskii. *Pochv. ovedenie* no. 4:121-122 *Ap* '65.

## SOKOLOVKA-SARBAY REGION (KUSTANAY PROVINCE)—ORE DRESSING

Vasil'ev, M. V., ed. [Accelerated development of strip mines and expansion of iron-ore mining; as practiced at the Sokolovka-Sarbay Mining and Ore-Dressing Combine] *Forsirovannaya podgotovka kar'erov i razvitiye dobychi zheleznykh rud, na primere Sokolovsko-Sarbay-skogo gornobogatitel'nogo kombinata.* Sverdlovsk, Sredne-Ural'skoe gos. knizhnoe izd-vo, 1964. 115 p.

## SOKOLOVKA-SARBAY REGION (KUSTANAY PROVINCE)—STRIP MINING

Vasil'ev, M. V., ed. [Accelerated development of strip mines and expansion of iron ore mining, as practiced at the Sokolovka-Sarbay Mining and Ore Dressing Combine] *Forsirovannaya podgotovka kar'erov i razvitiye dobychi zheleznykh rud, na primere Sokolovsko-Sarbay-skogo gornobogatitel'nogo kombinata.* Sverdlovsk, Sredne-Ural'skoe gos. knizhnoe izd-vo, 1964. 115 p.

## SOLAR FLARES

Solar flares and interplanetary space. L. I. Miroshnichenko. *Fiziroda* 54 no. 6:80-81 *Je* '65.

## SOLAR PLEXUS

Materials on the characteristics of the structure of the nervous crossconnections in the region of the solar plexus in white rats. P. I. Lobko. *Biol. eksp. biol. i med.* 59 no. 6:105-110 *Je* '65.

## SOLAR PLEXUS—SURGERY

Effect of the extirpation of individual components of the solar plexus on the development of collateral circulation of the pancreas. L. I. Khananov. *Arkhn. anat. i gist. i embriol.* 47 no. 10:49-55 *O* '64.

## SOLAR RADIATION

(see also subdivision under Antarctic regions, Arctic regions, Azerbaijan, Caspian Sea region)

Measuring the polarization of solar radio-frequency radiation due to the total magnetic field of the sun. I. T. Belov. *Izv. vys. ucheb. zav., radiofiz.* 8 no. 2:400-401 '65.

Recent data on solar activity and its effect on the earth. M. N. Gnevyshev. *Vest. AN SSSR* 35 no. 5:87-71 *My* '65.

Thermal effect of solar radiation. M. M. Gurevich. *Svototekhnika* 11 no. 4:17-19 *Ap* '65.

## SOLDER AND SOLDERING

Anti-corrosive flux used in soldering. A. A. Lugis. *Mashinostroenie* no. 2:72-73 *Mr*-*Ap* '65.

Determining copper content of metallic zinc, cadmium and lead-tin solders by means of 2,2-bis(4-chlorophenyl) acid. K. I. Fridman, E. L. Turchyn. *Khim. prom. [Ukr.]* no. 2:74-75 *Ap*-*Je* '65.

Soldering fittings to flexible metal hoses in an atmosphere of dissociated ammonia. A. A. Borzenkov. *Svar. prozv.* no. 4:35 *Ap* '65.

## SOLDER AND SOLDERING—EQUIPMENT AND SUPPLIES

Machine for soldering hand saws. N. F. Tatarko. *Svar. prozv.* no. 4:36 *Ap* '65.

## SOLDIERS

Friends. L. Dmitriev, M. Ryzhak. *Sov. voen.* 47 no. 11: 2-3 *Je* '65.

Right-flank men. M. Pimenov. *Sov. voen.* 47 no. 11:22-23 *Je* '65.

## SOLENOIDS

Effect of the resistances of a protective circuit on the transition process of a superconducting solenoid to normal state. V. V. Sychev, V. B. Zemkevich, V. V. Andrianov. *Izv. AN SSSR. Energ. i tizsnp.* no. 2:117-122 *Mr*-*Ap* '65.

## SOLID SOLUTIONS see Solutions, Solid

## SOLID STATE PHYSICS—METHODOLOGY

Use of nuclear methods in solid state physics; joint scientific session. I. M. Frank. *Vest. AN SSSR* 35 no. 5:96-98 *My* '65.

## SOLIDIFICATION

Solidification and cooling of various brand steel ingots in ingot molds. G. L. Nosov and others. *Stal'* 25 no. 6: 529-534 *Je* '65.

## SOLNTSEVSKIY DISTRICT—EDUCATION, PRESCHOOL

Collective farm and children. A. Kapral'skii. *Doshk. yosp.* 38 no. 3:25 *Mr* '65.



- SOLCHETZ SOILS** see subdivision under Central Chernozem region
- SOLOV'YEV, TAT'YANA MAKSIMOVNA**  
Izv. AN SSSR, Ser. fiz. i khim. nauki, 16 no. 3 21 May '65
- SOLUBILITY**  
Analysis of regularities of continuous dissolution with recirculation of the solid phase. E. M. Vigdorchik, A. B. Steinhilber, V. A. Lashin, Zhur. neorg. khim., 8 no. 143-51 '65  
Effect of the solubility of metallic cadmium in fused alkali metal on the solubility of metal chlorides. I. I. Rukhovich, V. R. Kik, Radiokhimiya, 7 no. 2 175-187 '65  
 $\text{H}_2\text{VO}_4^-$  field in the systems  $\text{Na}^+, \text{NH}_4^+ | \text{Cl}^-, \text{VO}_3^- - \text{H}_2\text{O}$  and  $\text{Na}^+, \text{NH}_4^+ | \text{Cl}^-, \text{VO}_3^- - 0.1 \text{ mol } \text{NH}_4\text{OH}$  in water at 10 and 25°C. G. F. Pinets, Zhur. neorg. khim., 10 no. 4 975-975 Ap '65  
Solubility of barium in the system  $\text{K}_2\text{O} - \text{BaO} - \text{H}_2\text{O}$ . N. I. Lat, M. Agapov, V. I. Rudin, T. A. Tsel'de, Zhur. neorg. khim., 10 no. 4 976-980 Ap '65  
Solubility of difluoromethane in carbon dioxide in the solid phase at various temperatures and pressures. V. M. Siletsky, Zhur. prikl. khim., 38 no. 4 905-910 Ap '65  
Solubility of some actinium compounds. Part 1: Determination of the solubility of actinium oxalate. D. M. Zil'ber, Radiokhimiya, 7 no. 2 166-175 '65  
Solubility of some actinium compounds. Part 2: Determination of solubility at the evaluation of the relative basicity of actinium fluoride. D. M. Zil'ber, Radiokhimiya, 7 no. 2 175-187 '65  
Stability of polybromide ions. V. E. Mironov, N. P. Lastovkina, Zhur. neorg. khim., 10 no. 5 1082-1087 May '65  
System  $\text{Li}^+, \text{Na}^+ | \text{H}_2\text{O}_2, \text{CO}_3^{2-} - \text{H}_2\text{O}$  at 25°C. V. E. Plushchikov, L. V. Kurikova, Zhur. neorg. khim., 10 no. 6 1471-1475 Je '65  
System  $\text{ZrOCl}_2 - \text{LiCl}(\text{KCl}) - \text{H}_2\text{O}$ . I. N. Belach, L. M. Lobas, Zhur. neorg. khim., 10 no. 4 946-949 Ap '65  
Ternary aqueous systems consisting of potassium, rubidium and cesium chlorates at 25°C. A. N. Kirgintsev and others, Zhur. neorg. khim., 10 no. 5 1225-1228 May '65
- SOLUBLE GLASS**  
Combination soluble glass mixtures with improved knock-out properties. K. I. Basov, A. I. Kucherov, Sbor. trud. BITM no. 22 13-20 '64  
Improving the knock-out properties of foundry sand mixtures with a soluble glass binder in conditions of large-batch production of steel castings for railroad cars. N. M. Koz'min, Sbor. trud. BITM no. 22 21-28 '64  
Soluble glass production practices. E. K. Averin, Sbor. trud. BITM no. 22 37-40 '64  
Using quick-hardening mixtures with a soluble glass binder for large, shaped steel castings in conditions of small batch production. K. I. Basov, A. I. Kucherov, Sbor. trud. BITM no. 22 29-35 '64  
Ways of improving the knock-out properties of core mixtures with a soluble glass binder. M. P. Matlanov, Sbor. trud. BITM no. 22 3-12 '64
- SOLUTION (CHEMISTRY)**  
Effect of structural factors on the thermodynamic characteristics of extraction of the salts of basic dyes. Part 6: Composition and structure of solvents in isomeric alcohols. K. S. Kravtsov, F. D. Koshakina, Radiokhimiya, 7 no. 2 146-151 '65  
Investigating the properties of solutions of water-soluble polymer mixtures. N. K. Baramulin, M. M. Kukharchik, Nauch. trudy MTP no. 30 108-116 '64  
Luminescence and absorption of aqueous solutions of N'-N'-dimethylthiacyanine methylsulfate and its polymer formations. P. G. Moiseyev, Zhur. prikl. spekt., 2 no. 3 272-274, Mr '65  
Modeling the process of chemical dissolution of geometrically similar specimens. N. N. Tkachenko, I. I. Vasilenko, G. V. Karpenko, Fiz.-khim. mekh. mat. l. no. 2 144-146 '65  
Variations of the preparative analytical method for determining the composition of the bottom phase in water-salt systems. E. V. Margulis, E. D. Maletina, L. I. Beisekeeva, Zhur. neorg. khim., 10 no. 6 1481-1485 Je '65
- SOLUTION (CHEMISTRY)—DENSITY**  
Study of the density of aqueous solutions of  $\text{LiCl}$ ,  $\text{LiBr}$ , and  $\text{CaCl}_2$  as applied for a drying of gases. S. A. Bogatykh, I. D. Emovitch, Zhur. prikl. khim., 38 no. 4: 945-949 Ap '65
- SOLUTIONS, SOLID**  
Dielectric properties and structure of some solid solutions on the basis of  $\text{BiF}_3\text{O}_3$ . N. N. Kravtsov and others, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1028-1031 Je '65  
Dilatometric study of the system of solid solutions of  $\text{BiF}_3\text{O}_3 - \text{FeO}$ ,  $\text{BiF}_3\text{O}_3 - \text{MnO}$ ,  $\text{BiF}_3\text{O}_3 - \text{V}_2\text{O}_5$ . V. V. Zhdanova, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1039-1041 Je '65
- Mössbauer effect on  $\text{Sn}^{119}$  nuclei due to the ferroelectric phase transition in the solid solution  $\text{Ba}(\text{Ti}_{1-x}\text{Sn}_x)_2\text{O}_9$ . V. A. Bokov, V. P. Romanov, V. V. Chekin, Fiz. tverd. tela, 7 no. 5 1885-1888 Je '65  
Solid solutions in the system  $\text{GaS} - \text{GaSe}$ . P. G. Rustamov and others, Izv. AN SSSR, Neorg. mat., 1 no. 2 419-421 Mr '65  
Solid solutions with spinel structure in the system iron-manganese-oxygen. V. F. Komarov and others, Izv. AN SSSR, Neorg. mat., 1 no. 3 355-404 Mr '65  
Solubility of some transition metals in the  $\text{V}_3\text{Si}$  compound and their effect on the temperature of transition of the compound to a superconducting state. E. M. Savitskii and others, Izv. AN SSSR, Neorg. mat., 1 no. 3 364-361 Mr '65  
Some laws governing the diffuseness of phase transitions in ferroelectric solid solutions. V. I. P. Ilyashov, B. N. Rolov, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1018-1021 Je '65  
Structure and magnetic properties of ferroelectric solid solutions in the system  $\text{PbZrO}_3 - \text{CdMnO}_3$ . I. U. E. Roginskaya, I. U. N. Venevisev, G. S. Zhdanova, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1022-1025 Je '65  
Study of the ferroelectric solid solution  $\text{Ba}(\text{Ti}_{1-x}\text{Zr}_x)_2\text{O}_9$  at high pressures. I. N. Polandov, Fiz. tverd. tela, 7 no. 5 1874-1876 Je '65
- SOLVATION**  
Extraction of complex acids by oxygen-containing solvents. Part 5: Extraction mechanism of pentavalent antimony. G. M. Dakar, B. Z. Iofa, Radiokhimiya, 7 no. 125-31 '65
- SOLVENTS**  
Determination of the resistance to crazing plexiglas in solvents. M. I. Fiolova, Plast. massy no. 5 56-60 '65  
Diffusion of solvents in polyisobutylene. A. E. Chalykh, R. M. Vasennin, Vysokom. soed., 7 no. 4 586-592 Ap '65  
Effect of the nature of a diluent on the distribution of coefficients. V. N. Vdovenko, T. V. Kovaleva, M. A. Rinzanov, Radiokhimiya, 7 no. 2 133-139 '65  
Moving boundary problem in diffusion in the polymer-solvent systems. R. M. Vasennin, A. E. Chalykh, V. I. Korobko, Vysokom. soed., 7 no. 4 593-600 Ap '65  
Preparation of spectrally pure solvents. Report No. 1: Isocetane, cyclohexane, N. I. Samsonova, N. S. Kaluzina, K. V. Vil'shau, Trudy IREA no. 25 134-139 '63  
Role of a solvent in the reactions of halogenation of olefins with a quaternary carbon atom at a double bond. I. V. Rodnikov, Z. S. Smolin, G. A. Korchagina, Zhur. ob. khim., 35 no. 5 933 May '65  
Solubility of ferric chloride and antimony trichloride in  $\text{CCl}_4$ ,  $\text{SnCl}_4$ ,  $\text{SnCl}_2$ . I. U. M. Martynov, I. G. Syrtkina, Zhur. neorg. khim., 10 no. 4 943-945 Ap '65
- SOLVENTS—ANALYSIS**  
Determining the composition of a solvent for dewaxing units. N. A. Donchenko, R. P. Chernina, Nefteper. i neftekhim. no. 1 16-17 '65  
Sulfite method for the quantitative determination of trioxane in aliphatic solvents. E. N. Zelenina, L. S. Kuzmina, V. I. Lyubomirov, Plast. massy no. 5 57-58 '65
- SOMATOTROPIN**  
Competition of anasomatotropin with the active growth hormone in man. V. M. Dil'man, I. G. Kovaleva, Vop. onk., 10 no. 12 39-41 '64
- SONAR**  
A useful manual on navigation. V. P. Aprelev, N. M. Gruzdev, Mor. sbor., 48 no. 6 89-92 Je '65
- SONAR IN FISHING**  
Sea tests of net sound. V. I. Kudryavtsev, B. A. Romanenko, Ryb. khoz. 41 no. 5 40-41 '65  
Small rotary-sliding device for hydroacoustic instruments. A. A. Degl'arev, P. F. Shatunov, Mat. rybnokhoz. issl. Sev. bas., no. 4 123-127 '64
- SORBITIC ACID**  
Effect of some chemical compounds on the microflora of food products. N. A. Moliseva, T. P. Ovcharov, Kons. i ov. prom., 29 no. 6 28-30 Je '65
- SORGE, RICHARD, 1895-1944**  
The case of Richard Sorge. Mezhdunar. zhizn', 12 no. 6 97-105 Je '65
- SORGHUM** see subdivision under Kustanay Province
- SORPTION**  
Effect of the chemical nature of the sorbate on the sorption capacity of crystalline polymers. G. M. Pavlichenko, T. V. Gatovalskaya, V. A. Kargin, Vysokom. soed., 7 no. 4 647-649 Ap '65
- SOSENOV, GEORGI AKIMOVICH, 1895-**  
Georgii Akimovich Sosnovy on the 70th anniversary of his birth. Ugol', 40 no. 5 180-81 My '65
- SOUKUPOVA, VERA**  
A solol of the dihydromethane... Sov. muz., 10 no. 5 191-192 Je '65
- SOUND—PHYSIOLOGICAL EFFECT**  
Adrenergic and cholinergic... functional examination of the... B. B. Voznesenskii, Zhur. neorg. khim., 15-18 N-13 '64  
Changes in the evoked potentials of the... of acetal anesthesia. V. A. Il'ichev, Zhur. 51 no. 5 510-511 My '65  
Effect of prolonged sound and... development of experimental... rabbits. L. D. Nudelova, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1018-1021 Je '65  
Electrophysiological study of the... nucleus in cats. E. A. Radlovskii, Zhur. 51 no. 4 441-448 Ap '65  
Primary responses of the auditory... cats to tones of various... Zhur. vyz. nerv. defekt., 15 no. 3 27-30 Je '65
- SOUND—RECORDING AND REPRODUCTION**  
Tape transport mechanism with... instantaneous carrier speed. A. V. Kiselev, kino i telev., 8 no. 1 10-14 Ap '65
- SOUND—SPEED**  
Selection of a formula for the... mechanized processing of materials... logic observations. V. N. Kiselev, Okeanologiya, 5 no. 2 194-203 '65
- SOUND PRODUCTION BY ANIMALS**  
Bioacoustic mechanism of... evolution. V. D. Il'ichev, Usp. zool., 415 My-Je '65  
Geographical variability of the... ecology and evolutionary... Il'ichev, Zool. zhur., 44 no. 3 471-474 Je '65
- SOUND WAVES**  
Possibility of "pulsating"... sound waves in plasma. I. A. Voznesenskii, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1022-1025 Je '65  
Reflection of magnetoacoustic waves... of two media of finite... Koshchovskii, Prikl. mekh. i fiz., 15 Mr-Ap '65
- SOUND WAVES—INDUSTRIAL APPLICATIONS**  
Using sound frequency waves for the... processes in aluminum alloys... and others. Izv. vuz. ucheb. zav., 132-138 '65
- SOUNDING AND SOUNDING**  
Resolving power of the... E. V. Rybnikova, D. N. Shklovskaya, Izv. AN SSSR, Ser. fiz. i khim., 29 no. 6 1018-1021 Je '65
- SOUNDPROOFING**  
Effect of the type of barrier on the... insulation. M. S. Sedov, Izv. vuz. ucheb. zav., 132-138 '65
- SOUTH AFRICA, REPUBLIC OF—GOVERNMENT**  
The freedom torch of South Africa. Afr. seg., 8 no. 6 40-41 Je '65  
"We... the policeman." I. A. Malykh, 21 no. 12 41 Je '65
- SOUTH AFRICA, REPUBLIC OF—POLITICS**  
Get a sun tan in shorts. N. Shimanov, 27 124 31 '65
- SOUTH AMERICA—ETHNOLOGY**  
Noemi Grigoriyevna Shpritsman on... no. 3 145-146 My-Je '65
- SOUTH KOREA** see Korea, South
- SOUTH OSSETIA** see Ossetia, South
- SOUTH URAL ECONOMIC REGION—INDUSTRY**  
HYGIENE  
Life as a promoter of good... Okhr. truda i soc. strakh., 8 no. 5 4 6 Je '65
- SOVETSKAYA GAVAN' REGION (KURILSKAYA TERRITORY)—MITES**  
A new species of mites, Parholan... (Gamasoidea, Macropodidae). I. V. Akimov, L. A. Kolodochka, Zool. zhur., 44 no. 3 471-474 Je '65
- SOVIET BLOC** see Communist countries
- SOVIET CENTRAL ASIA—BLOWFLIES**  
Biology and ecology of Calliphora... Asia. V. I. Sychevskaya, Zool. zhur., 44 no. 3 471-474 Je '65

## SOVIET CENTRAL ASIA—CAPITAL

Rakhimov, R. K. [Capital assets and the economic efficiency of their use in the industry of Central Asia] Osnovnye proizvodstvennye fondy i ekonomicheskaya effektivnost' ikh ispol'zovaniya v promyshlennosti Srednei Azii. Pod red. A. I. Priblisa. Dushanbe, Izd-vo AN Tadzhikskoi SSR, 1965. 220 p.

## SOVIET CENTRAL ASIA—DEUTERIUM

Comparative characteristics of the total isotopic composition of snow waters in Central Asia. A. S. Uklonskii, V. M. Glushchenko. Zap. Uz. otd. Vses. min. ob-va no. 16:5-7 '64.

## SOVIET CENTRAL ASIA—GAS, NATURAL—PIPELINES

Remote control of gas pipelines in Central Asia. V. I. Knorring, A. M. Smoljak. Gaz. prom. 10 no. 6:35-40 '65.

## SOVIET CENTRAL ASIA—GEOLOGY, STRATIGRAPHIC

Kollektivum po mikrofaune i biostratigrafii Maitkopskoi otlozheniya i ee vozrastnykh analogov. Ist. Lvov, 1961. [Maitkop sediments and their age analogues in the Ukraine and Central Asia; materials] Maitkopskie otlozheniya i ikh vozrastnye analogi na Ukraine i v Srednei Azii; materialy. Kiev, Naukova dumka, 1964. 289 p.

## SOVIET CENTRAL ASIA—GLASS MANUFACTURE

Valuable work on glassmaking in Central Asia by A. A. Abdurazakov, M. A. Bezborodov, I. U. A. Zadneprovskii, I. Akhmedov. Uzb. khim. zhur. 9 no. 1:76 '65.

## SOVIET CENTRAL ASIA—IRRIGATION

Overall mechanization of operations in the irrigation of Soviet Central Asia. U. I. U. Pulatov. Vop. gidr. no. 22: 5-21 '65.

## SOVIET CENTRAL ASIA—ORE DEPOSITS—MAPS

Srednenezlatskoe sovershenstvie po metodike sostavleniya metallogenicheskikh i prognosticheskikh kart, Ist. 1962. [Problems of the methods of plotting the metallogenetic and prognostic maps of Central Asia; materials] Voprosy metodiki sostavleniya metallogenicheskikh i prognosticheskikh kart Srednei Azii; materialy. Tashkent, Nauka, 1964. 274 p.

## SOVIET CENTRAL ASIA—PETROLOGY

Schematic drawing of the pashite-petrographic and tectono-mineralogical provinces in the central and southern part of Central Asia. N. I. Gridnev. Zap. Uz. otd. Vses. min. ob-va no. 16:106-113 '64.

## SOVIET CENTRAL ASIA—POLYGONUM

Expedition to Central Asia for the study on Polygonum coriolum. I. D. Pauzner, P. D. Sokolov, S. Kh. Cheviandit. Rast. res. 1 no. 1:157-158 '65.

## SOVIET CENTRAL ASIA—POPLAR

Some problems of the taxonomy of black poplar growing in Central Asia. G. P. Ozolin. Uzb. biol. zhur. 9 no. 1:42-44 '65.

## SOVIET CENTRAL ASIA—PRECIPITATION (METEOROLOGY)—ANALYSIS

Comparative characteristics of the total isotopic composition of snow waters in Central Asia. A. S. Uklonskii, V. M. Glushchenko. Zap. Uz. otd. Vses. min. ob-va no. 16:5-7 '64.

## SOVIET CENTRAL ASIA—REMOTE CONTROL

Remote control of gas pipelines in Central Asia. V. I. Knorring, A. M. Smoljak. Gaz. prom. 10 no. 6:35-40 '65.

## SOVIET CENTRAL ASIA—SAND, FOUNDRY

Molding sands of Central Asia. M. M. Turbovskii, Lit. proizv. no. 3:44 Mr '65.

## SOVIET CENTRAL ASIA—WATER, UNDERGROUND

Wide use of the underground waters of Central Asia for water supply, irrigation, and pasture watering. S. Sh. Mirzaev. Uzb. geol. zhur. 9 no. 2:5-10 '65.

## SOVIET FAR EAST—BEARS

Biontel, G. F. [Bears in the south of the Far East of the U. S. S. R.] Medvedy iuga Dal'nego Vostoka SSSR. Moskva, Nauka, 1965. 118 p.

## SOVIET FAR EAST—BIRDS

Interesting ornithological finds in the Far East. V. K. Rakhitin. Sbor. trud. Zool. muz. MGU 9:214-216 '65.

## SOVIET FAR EAST—BOTANY

Some problems of principle and discussion in studying the vegetation of Siberia and the Far East. V. V. Reverdatto, G. V. Krylov. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3:9-13 '64.

## SOVIET FAR EAST—GEOLOGY, STRUCTURAL

Basic characteristics of tectonic pattern of Siberia and the Far East in the light of geological and geophysical data. E. E. Fotiadi, P. S. Moiseenko. Geol. i geofiz. no. 12:3-21 '64.

Relation of tin and gold mineralization to the main structural elements in the southern part of the Far East. E. A. Radkevich, S. F. Usenko, M. V. Chibotarev. Geol. i geofiz. no. 3:25-38 '65.

Tectonics of the Okhotsk central massif. B. M. Chukov. Geol. i geofiz. no. 3:12-83 '65.

## SOVIET FAR EAST—MERCHANT MARINE

In the struggle for profitability. A. Neumov. Mor. flot 25 no. 4:3-4 Ap '65.

## SOVIET FAR EAST—MOUNTAINS

Active role of granite intrusions in the process of the formation of mountains. E. N. Lishnevskii. Geotektonika no. 3:77-84 My-Je '65.

## SOVIET FAR EAST—ORE DEPOSITS

Relation of tin and gold mineralization to the main structural elements in the southern part of the Far East. E. A. Radkevich, S. F. Usenko, M. V. Chibotarev. Geol. i geofiz. no. 3:25-38 '65.

## SOVIET FAR EAST—PARASITES—REINDEER

Protecting reindeer against horseflies. V. A. Pollakov. Veterinaria 42 no. 6:91-92 Je '65.

## SOVIET FAR EAST—ROCKS, IGNEOUS

Active role of granite intrusions in the process of the formation of mountains. E. N. Lishnevskii. Geotektonika no. 3:77-84 My-Je '65.

## SOVIET FAR EAST—STEAMBOAT LINES

Line method of directing the work of the fleet. V. Pili-penko, A. Buryi. Mor. flot 25 no. 4:8-9 Ap '65.

## SOVIET FAR EAST—SWAMPES

Akademiia nauk SSSR, Sibirskoe otdelenie, Institut lesa i drevesiny. [Characteristics of swamp formation in some forest and piedmont regions of Siberia and the Far East] Osobennosti bolotobrazovaniia v nekotorykh lesnykh i predgornykh rayonakh Sibiri i Dal'nego Vostoka. Moskva, Nauka, 1965. 181 p.

## SOVIET UNION see Russia

## SOVIETS

(see also subdivision under Kazakhstan; Lithuania; Omsk, Prikluk District; Voronezh Province)

Sovets and legality. I. U. Tikhomirov, I. Stepanov. Sots. zakon. 42 no. 3:9-13 Mr '65.

## SOWING

Pea yield as related to the time, methods, and rates of sowing in the Terskai Alatau. K. Borangaziev. Vest. sel'khoz. nauki [Kazakh] 8 no. 2:11-16 F '65.

## SOWS—DISEASES AND PESTS

Treating agalactia and hypagalactia in swine. A. I. Filonenko. Veterinaria 41 no. 6:93 Je '64.

## SOWS—FEEDING AND FEEDS

Prophylaxis of anemia in piglets using iron glycerophosphate in the feeding of pregnant sows. D. P. Ivanov, M. N. Nikol'skaia. Vest. AN BSSR, Ser. sel'khoz. nauch. no. 4:114-122 '64.

## SOYBEAN—DISEASES AND PESTS see subdivision under Uzbekistan

## SOYBEAN—VARIETIES see subdivision under Kirghizistan

## SOYBEAN—WATER REQUIREMENTS

Effect of microelements on the dynamics of nitrogen compounds in soybeans under various conditions of moisture supply. M. R. Rustambekov, G. A. Rzaev. Izv. AN Azerb. SSR, Ser. biol. nauk no. 6:11-17 '64.

## SPACE AND TIME

Vial'sev, A. N. [Discrete space-time] Diskretnoe prostianstvo-vremia. Moskva, Nauka, 1965. 391 p.

## SPACE FLIGHT

[Space research] Ref. zhur. 'Issl. kosm. prostr. no. 7:1 '64.

## SPACE FLIGHT TRAINING

In space without supports. V. Stepanov, A. Eremin, S. Alekperov. Av. i kosm. 47 no. 7:48-53 Ji '65.

## SPACE MEDICINE

Slaklan, N. M., ed. [Second group space flight and some results of the Soviet astronauts' flights on "Vostok" ships; scientific results of medical and biological research conducted during the second group space flight] Vtoroi grupovoi kosmicheskii polet i nekotorye itogi poletov sovetskikh kosmonavtov na korabliakh "Vostok"; nauchnye rezultaty mediko-biologicheskikh issledovani, provedennykh vo vremia vtorogo grupovogo kosmicheskogo poleta. [Moskva] Nauka, [1965] 277 p. [Mediko-biologicheskie issledovaniia]

## SPACE PERCEPTION

Some disturbances of space components in the perceptions and ideas of the healthy and sick people. K. Kh. Korolenok, L. I. Umanskii. Uch. zap. MGPI no. 194:311-335 '63.

## SPAIN—MILITARY BASES, AMERICAN

Spain in the "Atlantic crossroads." A. Bobrov. Mezhdunar. zhizn' 12 no. 6:55-75 Je '65.

## SPANISH AMERICA see Latin America

## SPANISH LANGUAGE—DICTIONARIES—RUSSIAN

[Spanish-Russian and Russian-Spanish military dictionary] Ispano-Russkii i Russko-Ispaniskii voennyi slovar'. Moskva, Voenizdat, 1965. 632 p.

## SPANISH LANGUAGE—MACHINE TRANSLATING

Automatic morphological synthesis. I. A. Mel'chuk. NTI no. 4:35-43 '65.

## SPANISH LANGUAGE—TRANSLITERATION INTO RUSSIAN

Transcription of Spanish proper names into Russian; according to materials of toponymy and anthroponymy. G. I. A. Turover. Uch. zap. kaf. perev. MGPIIA no. 2: 108-121 '64.

## SPARROWS see subdivision under Armenia

## SPAS OIL FIELD—PETROLEUM GEOLOGY

Geological structure of the Spas oil field. M. M. Ivanuk, I. A. M. Reshetnikov, M. M. Soroka. Neft. i gaz. prom. no. 2:3-5 Ap-Je '65.

## SPASMS

Spasmophilia. L. Aleksandrova. Doshk. vosp. 38 no. 4:48-49 Ap '65.

## SPECIFIC HEAT see Heat capacity

## SPECTROCHEMISTRY

Chemical-spectral determination of the traces of metals in chemical reagents. G. A. Pevtsov and others. Tруды IREA no. 25:303-310 '63.

## SPECTROMETER

A nuclear magnetic resonance spectrometer. A. P. Pikalov. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 18 no. 2:140-145 '65.

## SPECTROPHOTOMETRY

Spectrophotometric determination of small additions of aromatic carboxylic acids in terephthalic acid. G. I. Romantsova. Zhur. prikl. spekt. 2 no. 3:269-272 Mr '65. Spectrophotometric micromethod for the determination of the content of vitamin A in liver punctates from monkeys (Macaca rhesus) and rabbits. V. A. Karpacheva. Biol. eksp. biol. i med. 59 no. 6:118-121 Je '65.

Spectrophotometric study of the state of cobalt and chromium ions in sodium phosphate glasses. K. F. Dzharin-skil, Izv. AN SSSR, Neorg. mat. 1 no. 3:434-441 Mr '65.

## SPECTROPOLARIMETRY

Comparison of spectropolarimetric characteristics of denaturation of the bovine serum gamma-globulin with other manifestations of denaturation. G. V. Titovskii, V. I. Okulov. Biokhimiia 29 no. 4:615-623 Ji-Ag '64. Study of the denaturation of egg albumin by the method of spectropolarimetry in conjunction with other physico-chemical methods. H. V. Troitskii, V. I. Okulov, I. F. Kyriukhin. Ukr. biokhim. zhur. 37 no. 2:182-193 '65.

## SPECTRUM, INFRARED

Complexes of aromatic hydrocarbons with metal halides and hydrogen halides. Part 3: Infrared absorption spectra of complexes formed by methylbenzene with aluminum bromide and hydrogen bromide. V. A. Kopting and others. Zhur. ob. khim. 35 no. 6:1111-1115 Je '65.

Study of certain nitrilotriacetates by infrared spectroscopy. A. I. Grigor'ev, N. D. Mitrofanova, L. I. Martynenko. Zhur. neorg. khim. 10 no. 6:1408-1418 Je '65. Study of some inorganic dielectrics in the long-wave part of the infrared region. M. D. Mashkovich, A. I. Demeshina. Fiz. tver. tela 7 no. 6:1634-1638 Je '65.

## SPECTRUM ANALYSES

Calculation of a spectrogram in the method of Fourier spectrometry with discrete Fourier transformations. B. A. Kiselev, P. F. Parshin. Zhur. prikl. spekt. 2 no. 3:212-217 Mr '65. Characteristic bands of valence vibrations in infrared absorption spectra of the nitrogroup. Part I: Experimental data and assignment of bands. A. V. Ioganzen, G. D. Litovchenko. Zhur. prikl. spekt. 2 no. 3:243-250 Mr '65.

Luminescence in electrolysis as a radiation source for spectral analysis. G. A. Pevtsov, V. Z. Kravt'shchik. Tруды IREA no. 25:221-231 '63. Mechanism underlying the flow of matter in light sources for spectrum analysis. A. G. Nepokochinskii, A. A. Iankovskii. Zhur. prikl. spekt. 2 no. 3:201-206 Mr '65.



## SPRAYING AND DUSTING IN AGRICULTURE (Continued)

Let's make way for low-volume spraying. Zashch. rast. ot vreditel' bol. 10 no. 4:2-5 '65.

Marginal strip spraying of sugar beets. T. Markov

Zashch. rast. ot vreditel' bol. 10 no. 5:3d '65

Spraying must be timely. V. Stepanova. Zashch. rast. ot vreditel' bol. 10 no. 5:40 '65

## SPRINGS (MECHANISM)—VIBRATION

Forced vibrations of cylindrical springs. A. A. Konova. Vest. mashinost. 15 no. 6:20-30 Je '65

## SPUTNIKS see Artificial satellites

## SPUTTERING (PHYSICS)

Characteristics of focusing atomic collisions in the cathode sputtering of tungsten and molybdenum single crystals. R. A. Ashmufanskii, M. B. Ben'taminovich, V. I. Vokaler. Fiz. tver. tela 7 no. 6:1623-1629 Je '65.

Thermal sputtering of certain gold coatings and their effect on the performance of radio tubes with oxide cathodes. A. D. Naikitakii and others. Izv. AN Uz. SSI. Ser. fiz.-mat. nauk 9 no. 2:40-53 '65

## SQUIDS see subdivision under Mediterranean Sea

## STABILITY

Chul'skii, L. A. [Stability in nature] Ustoichivost' v prirode. Moskva, Izd-vo "Znanie," 1965, 93 p. (Narodnyi universitet kultury: Estestvenno-nauchnyi fakul'tet, no. 7)

A stability problem. V. I. Fedos'ev. Prikl. mat. i mekh. 20 no. 2:301-302 Mr-Apr '65

## STADIUMS see subdivision under Tokyo

## STAINLESS STEEL see Steel, Stainless

## STAINS AND STAINING

Staining furniture panels faced with oak veneer in ammonia vapors. V. N. Byatov, R. G. Kirod. Der. prom. 11 no. 5:25-26 My '66.

## STAINS AND STAINING (MICROSCOPY)

Fluorescence spectra of inactivated fluorescently treated microorganisms. V. I. Khizhin. Zhur. mikrobiol. epid. i immun. 42 no. 3:22-26 Mr '66.

Mechanism of staining injured myocardial fibers by the Selje method. L. A. Semenova. Izv. SO AN SSSR no. 12. Ser. biol.-med. nauk no. 3:137-140 '61

## STALINGRAD see Volgograd

## STALINGRAD PROVINCE see Volgograd Province

## STALINGRAD, BATTLE OF, 1942-1943—MEDICAL AND SANITARY AFFAIRS

In the battle on the Volga. S. I. Aliechkin. Veterinariia 42 no. 5:10-20 My '65.

## STALINO see Donetsk

## STALINO PROVINCE see Donetsk Province

## STANDARDS, ENGINEERING

[Information index of standards] Inform. ukaz. stand. no. 5 '65.

Standards as a source of technological information. T. A. Vyedenskii. NTI no. 4:19-20 '65.

## STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

How Stanislavskii was an amateur actor. O. Radtsheva. Teatr 20 no. 6:142-144 Je '65.

## STAPHYLOCOCCAL DISEASE

Effect of tetracycline on the inflammation focus produced in rats by a subcutaneous injection of a staphylococcal culture. A. M. Chomukh, A. M. Pokhorova. Pat. fiziol. i eksp. terap. 8 no. 6:119-118 N-D '64.

## STAPHYLOCOCCUS

Comparative studies on physiological properties of microbes isolated from various inflammatory foci. V. S. Zueva, V. N. Solov'ev. Antibiotiki 10 no. 5:438-442 My '65.

Determination of staphylococcal hemolysins by the technique of hemolysis neutralization with antistaphylococcal sera on agar plates. K. P. Konova. Zhur. mikrobiol. epid. i immun. 42 no. 2:110-115 F '65.

Mechanism of the depression of vital activity of microbes during development in purulent inflammatory foci. V. N. Solov'ev, V. S. Zueva. Zhur. mikrobiol. epid. i immun. 42 no. 3:70-74 Mr '65.

Resistance development and the cross-resistance of staphylococci to oleandomycin and sekazin. T. M. Bass. Antibiotiki 10 no. 5:451-455 My '65

Significance of the biological activity of microbes for the development of experimental staphylococcal infection. Report No. 1: Significance of the virulence of the pathogen in the development of general staphylococcal infection in intraorbitally infected mice. S. A. Anatoli and others. Zhur. mikrobiol. epid. i immun. 42 no. 1:98-102 Ja '65.

## STAPHYLOCOCCUS—CULTURES AND CULTURE MEDIA

Development of the resistance of pyogenic Staphylococci to imatin and novolamin. V. O. Kudriavtsev. Mikrobiol. zhur. 27 no. 3:65-71 '65.

Habituation of Staphylococci to halogen salicylanilides and some antibiotics. I. O. Vasylevska, L. M. Lyenko, M. M. Rotmistrov. Mikrobiol. zhur. 27 no. 3:71-75 '65.

Role of phagetype 80 Staphylococci in the origin of surgical infections. L. R. Kryzhtal'ska, I. P. Leshchuk. Mikrobiol. zhur. 27 no. 3:35-38 '65.

## STARCH

Acid hydrolysis of diluted starch suspensions in the production of crystalline glucose. T. A. Ladur. Sakh. prom. 39 no. 5:59-64 My '65.

Galkina, G. V., and E. K. Sidorova. [Production and use of starch products with a high degree of sweetness] Polucheniye i ispol'zovanie produktov vysokoi stepeni sladosti iz krakhmala. Moskva, TSentr. in- nauchno-tekhn. informatsii pishchevoi promyshl., 1964, 33 p. [MICROFILM]

## STARCH INDUSTRY see subdivision under Orel Province

## STARCH INDUSTRY—EQUIPMENT AND SUPPLIES

Selecting woven screens for the various systems of potato starch production. P. E. Lishanin. Sakh. prom. 39 no. 5:68-69 My '65.

## STAROBIN REGION (WHITE RUSSIA)—RIPPLE MARKS

Ripple marks in the rock salt of the second potassium horizon of the Starobin deposit. I. I. Lupinovich, V. Z. Kislik. Lit. i pol. iskop. no. 2:174-176 Mr-Apr '65.

## STAROKONSTANTINOV DISTRICT—FORAGE PLANTS

Specialization within individual production units on swine-fattening collective farms in the beet-growing zone of the Ukraine. I. Kofan. Ekon. Rad. Ukr. 8 no. 3:37-41 Mr '65.

## STAROKONSTANTINOV DISTRICT—SWINE—FEEDING AND FEEDS

Specialization within individual production units on swine-fattening collective farms in the beet-growing zone of the Ukraine. I. Kofan. Ekon. Rad. Ukr. 8 no. 3:37-41 Mr '65.

## STARS

Some problems affecting an axiomatic construction of the dynamics of stellar systems. F. A. TSieta. Trudy Astrofiz. inst. AN Kazakh. SSR 5:211-218 '65

## STARS—CLUSTERS

Dynamical aspect of the system of globular clusters. K. F. Ogorodnikov. Trudy Astrofiz. inst. AN Kazakh. SSR 5:218-223 '65.

Quasi-stationary globular star clusters. T. A. Agekian. Trudy Astrofiz. inst. AN Kazakh. SSR 5:30-45 '65.

## STARS—DISTRIBUTION

Density distribution in quasi-spherical stellar systems. I. V. Petrovskaya. Trudy Astrofiz. inst. AN Kazakh. SSR 5:46-55 '65.

Hydrodynamics of stellar systems. G. G. Kuzmin. Trudy Astrofiz. inst. AN Kazakh. SSR 5:70-77 '65.

Present stage and some current problems in stellar dynamics. G. G. Kuzmin. Trudy Astrofiz. inst. AN Kazakh. SSR 5:11-22 '65

Some hydrodynamic analogies in stellar dynamics (theses of a report). V. A. Antonov. Trudy Astrofiz. inst. AN Kazakh. SSR 5:77 '65.

## STARS—PROPER MOTION

Distribution of residual stellar velocities. R. B. Shatova. Trudy Astrofiz. inst. AN Kazakh. SSR 5:67-69 '65.

Method for determining the parameters of the function of stellar velocity distribution using the maximum probability principle. R. M. Dzhygashvili. Trudy Astrofiz. inst. AN Kazakh. SSR 5:233-236 '65.

## STARVATION

Clinical characteristics of chronic psychoses developed on the basis of alimentary emaciation. V. F. Dedov. Zhur. nevro. i psikh. 85 no. 6:805-812 '65.

Interaction of the hypothalamus and the reticular formation of the mesencephalon and thalamus in the mechanism of the selective ascending activation of the cerebral cortex in a state of physiological starvation. K. V. Sudakov. Fiziol. zhur. 51 no. 4:449-456 Ap '65.

## STATE AND CHURCH see Church and state

## STATE FARMS see subdivision under Tula Province

## STATE FARMS—COSTS see subdivision under Irkutsk Province

## STATE FARMS—FINANCE see subdivision under White Russia

## STATE FARMS—LABOR PRODUCTIVITY see subdivision under Irkutsk Province

## STATE FARMS—LAWS AND LEGISLATION

Borodanov, N. M. [The law on the use of land by state farms] Pravo zemlepol'zovaniya sovkhovov. Izd. S. Mo-skva, Vseros. zaochnye uchebnye kursy, 1964, 29 p. [MICROFILM]

## STATE FARMS—MANAGEMENT

(see also subdivision under Central Chernozem region, Gomel' Province)

Problems in the prospective plan for the organization of a specialized state farm. N. A. Buzarov. Sbor. nauch. rab. NIIsad. no. 10:15-23 '64.

Prutovskiy, P. N. [Economics of state-farm production; an economic outline] Ekonomika sovkhovnogo proizvodstva, ekonomicheskii ocherk. Moskva, Ekonomika, 1964, 334 p.

Types of agricultural brigades in the fruit culture of state farms. V. G. Zolotchkin. Sbor. nauch. rab. NIIsad. no. 10:27-35 '64.

## STATE FARMS—OFFICIALS AND EMPLOYEES see subdivision under Donetsk Province

## STATES, NEW—POLITICS

Certain characteristics of the national liberation movement. K. N. Brutents. Vop. filos. 19 no. 6:26-37 '65.

## STATESMEN, ALGERIAN

People and events: Algeria's new government. Nov. vrem. 23 no. 28:20 JI '65.

## STATESMEN, POLISH

Polish statesmen. Nov. vrem. 23 no. 28:15 JI '65.

## STATICS AND DYNAMICS (SOCIAL SCIENCES)

Concept of static regularities in bourgeois and Soviet social sciences. B. A. Karapetian. Trudy GPI [Gruz.] no. 7:61-76 '63.

## STATISTICAL DECISION

Statistical control and analysis of the precision of technological processes by means of the method of average absolute deviations. A. N. Spasskii. Izv. vys. ucheb. zav. mashinost. no. 3:83-91 '65

## STATISTICAL MECHANICS

Existence of a phase transition in the two-dimensional and three-dimensional Ising models. P. L. Dobrushin. Teor. verolati i prim. 10 no. 2:209-230 '65.

## STATISTICAL WEATHER FORECASTING

Distribution of monthly amounts of precipitation. N. A. Bagrov. Trudy TSIP no. 139:3-24 '65

Statistical method of forecasting the air temperature and the quantity of precipitation for a month. K. A. Vasilukov. N. I. Zverev. D. A. Ped' Trudy TSIP no. 139:22-28 '65.

Statistical method of making more precise the forecast of the average monthly air temperature in Transcaucasia. Dzh. I. Vachnadze. Trudy TSIP no. 139:29-34 '65.

## STATISTICS

Bidil, A. I. [General and agricultural statistics] Obshchaya i sel'skokhozyaistvennaya statistika. Moskva, Kolos, 1965, 302 p. (Uchebniki i uchebnye posobia dlia sel'skokhozyaistvennykh tekhnikumov)

Gaube, I. U. E. [Collection of problems on the theory of statistics] Spornik zadach po teorii statistiki. Moskva, [Statistika] 1965, 186 p. (DSC)

## STATISTICS—GRAPHIC METHODS

Graphic method of constructing economic and statistical models. A. A. Frankel. Ekon. i mat. metod. 1 no. 2:275-281 Mr-Apr '65.

## STATISTICS, MEDICAL see Medical statistics

## STAVROPOL—TELECOMMUNICATION—EMPLOYEES

Communication workers of Stavropol are striving to improve the quality of their work. A. M. Mafshiev. Vest. aviats. 25 no. 4:16-18 Ap '65

## STAVROPOL TERRITORY—AGRICULTURE—HYGIENIC ASPECTS

Main concern. A. Kozlovskaya. Okhr. truda i zds. strakh. 8 no. 4:11 Ap '65.

## STAVROPOL TERRITORY—COOPERATIVE SOCIETIES

Cooperators take an examination. Iu. Senoi'niakov. Sov. potreb. koop. 9 no. 5:24-25 My '65

Economic work became more active. S. Pokin. Sov. potreb. koop. 8 no. 5:30-31 My '65.

## STAVROPOL TERRITORY—FOREST INFLUENCES

Climate's role in the distribution of forests in the Stavropol Territory. N. V. Pribytkov. Uch. zap. MOPI 124:271-303 '63.

## STAVROPOL TERRITORY—GRAIN ELEVATORS

Construction and utilization of the capital assets at the enterprises of the Stavropol Administration of Grain Products. R. Shkudov, L. Letichevskii. Muk. elev. prom. 31 no. 3:10-13 Mr '65.









## STREPTOMYCIN

- Dynamics of the penetration of tetracycline and streptomycin into macrophages cultivated *in vitro*. O. N. Ekremplarov. Antibiotiki 10 no. 5 125-127 My '65.
- Effect of streptomycin on the effectiveness of experimental immunization with live vaccines. Report No. 3. Introduction of streptomycin following immunization with tularemia vaccine. T. D. Khokhlov. Zhur. mikrobiol. epid. i imm. 42 no. 3, 145-146 M. '65.
- Intravenous administration of streptomycin in treating osteoarticular tuberculosis. P. Sh. Kuliev. Vest. khir. 93 no. 11 100-103 N. '64.
- Natural variations in the sensitivity to streptomycin and phthioid in laboratory strains of *Mycobacterium*. M. F. Kulikova. Antibiotiki 10 no. 5 455-460 My '65.
- Obtaining streptomycin-resistant and streptomycin-dependent strains in *Chlorilla vulgaris*. V. V. Tuganinov. Vest. LGU 20 no. 9 116-112 '65.

## STREPTOSPORANGIUM

- Streptosporangium tubum* n. sp., a new species of the genus *Streptosporangium*. L. I. Potekhnina. Mikrobiologiya 34 no. 2, 292-298 M. Ap. '65.

## STREPTOTHIRICIN

- Streptothricin. Part 6: Preparation and properties of individual streptothricins. P. D. Rukhovich, A. S. Khokhlov. Khim. prirod. soed. no. 1, 15-52 '65.

## STRESS (PHYSIOLOGY)

- Changes in the osmotic resistance of erythrocytes in muscular training. Z. I. Barabashova, G. I. Breido. Fiziol. zhur. 51 no. 5 621-625 My '65.
- Electroencephalographic correlates of individual characteristics of human behavior under stress. V. V. Savanova. Vop. psikh. 11 no. 2 35-48 M. Ap. '65.
- Tryptophan requirements under nervous stress. T. A. Baksh, A. V. Popova. Vop. pit. 23 no. 6 21-25 N-D '65.

## STRIGON, IVAN ALEKSEEVICH, 1905-

- I. A. Strigon's 60th birthday. 15vet. met. 30 no. 5:72 My '65.

## STRINO QUARTET

- Foreign quartet. A. Grigorian. Sov. muz. 39 no. 5 77 My '65.

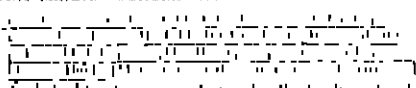
## STRIP CHOPPING

- Strip planting of corn. I. F. Krut'ko. Zemel. 27 no. 6:46-50 My '65.

## STRIP MINING

- (see also subdivision under Sokolovka-Sarbay region, Kustanay Province)
- Daydyov, S. A., and V. K. Rubtsov. [Multiple-row blasting] Mnogorядное взрывание. Moskva, Nedra, 1965. 94 p.
- Decreasing the scattering of fragments during secondary blasting in strip mining. F. I. Kuchel'nyi, N. M. Zelenakli, R. S. Krysin. Bezop. truda v prom. 0 no. 3: 42-44 Mr '65.
- Methods of predicting the inflow of water in strip mining. Z. P. Lebedinskaya, Shakhmatov 0 no. 5:13-16 My '65.
- Platforms in making slopes on benches and measures to prevent sliding. A. P. Tkachenko, A. I. Cherkonov. Bezop. truda v prom. 0 no. 3:10-41 Mr '65.

## STRIP MINING—CONGRESSES



Technology of Mining Minerals by the Open-Pit Method] Materialy, Moskva, Nedra, 1965, 285 p.

## STRIP MINING—PRODUCTION STANDARDS

- Zenkov, L. F. [Establishing technical standards for strip mining operations] Tekhnicheskoe normirovaniye na otkrytykh gornykh rabotakh. Moskva, Nedra, 1964, 239 p.

## STRONTIUM

- (see also subdivision under Azov Sea region, Black Sea region)
- Temperature dependence of the separation coefficient of strontium and barium in amalgam exchange. B. P. Kiselev, V. L. Balashov, Radiokhimiya 7 no. 2:241 '65.

## STRONTIUM CHLORIDE

- Capacity method for studying fused mixtures of strontium and alkali metal chlorides. E. A. Ukhov, N. G. Bukun. Zhur. neorg. khim. 10 no. 4:1008-1010 Ap '65.

## STRONTIUM ISOTOPES—TOXICOLOGY

- Comparative sensitivity of genetically different strains of mice to strontium-90. V. I. Shvedov. Med. rad. 10 no. 2:40-51 F '65.

- Condition of the organism of lambs poisoned with strontium-90. I. A. Panchenko, S. M. Fuchkova. Veterinariya 42 no. 5 77-80 My '65.

## STRONTIUM METABOLISM

- Str-90 metabolism in the organism of rats kept on calcium-rich diet. I. A. Buldakov, R. A. Etkhin. Med. rad. 10 no. 3 66-72 M. '65.

## STRONTIUM SULFATE

- Contamination of strontium sulfate during various rates of crystallization from super saturated solutions. N. Kolarov, R. Proinova, I. Cholakova. Zhur. neorg. khim. 10 no. 5:1255-1266 My '65.

## STRONTIUM TITANATE CRYSTALS

- Phase transitions in  $\text{SrTiO}_3$ . S. V. Bogdanov, A. M. Kashanova, K. V. Kiseleva. Izv. AN SSSR, Ser. fiz. 29 no. 6:896-900 Ja '65.

## STRUCTURAL DESIGN

- Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing buildings and structures on areas undercut by mining] Ukazaniya po proektirovaniu zdaniy i sooruzheniy na podrabatyemykh territoriyakh (SN 289-64). Izd. ofitsial'noe. Moskva, Stroizdat, 1965. 81 p.

## STRUCTURAL FRAMES

- Calculating fixed frames by a method of reduced stability. I. A. Pogrebnoi. Stroi. i arkh. 13 no. 5:37-38 My '65.

## STRUCTURAL GEOLOGY see Geology, Structural

## STRUCTURAL STEEL see Steel, Structural

## STRUCTURES, THEORY OF

- Investigating the carrying capacity of structural components in the area of very small elastoplastic deformations. I. A. Kozlov. Prikl. mekh. 1 no. 4:44-48 '65.
- Klimavichus, Vytautas. [Structural mechanics, basic course] Statybine mechanika, pagrindinis kursas. Visuomeniniai pagrindiniai mokslinio požiūrio redaguojamas technikos mokslu kandidatas doc. A. Cyras. Vilnius, Leidykla "Mintis," 1965. 451 p. [in Lithuanian]

## STRYCHNINE—PHYSIOLOGICAL EFFECT

- Effect of strychnine on the rhythmic activity of the binocular reflex arc. S. D. Kovtun, E. I. Sil'ko. Fiziol. zhur. 51 no. 6:691-695 '65.

## STUCCO

- Stuccoing and painting the façades of buildings. N. P. Il'ina. Nov. tekhn. zbil.-kon. khoz. Zbil. khoz. no. 2: 22-27 '63.

## STUCHKA, PETR IVANOVICH, 1865-1932

- Petr Ivanovich Stuchka on the 100th anniversary of his birth. S. V. Ziemelis. Vop. ist. KPSS 9 no. 7:69-92 J1 '65.

## STUDENT ACTIVITIES

- Let the friendship among the "2let" get closer. III. Evseev. Semla i shkola 20 no. 4:28-29 Ap '65.
- There should be a sensible schedule for students' work, everyday life and rest. L. G. Chuprakov. Vest. vys. shkoly 23 no. 6:63-69 Je '65.

## STUDENT-TEACHER RELATIONSHIP see Teacher-student relationship

## STUDENT TEACHING

- Student-teacher conducts research. Z. A. Keilina. Vest. vys. shkoly 23 no. 6:68 Je '65.

## STUPINO (MOSCOW PROVINCE)—PAPER INDUSTRY

- A new plant joins the ranks... S. B. Gurevich. Bum. prom. no. 3:25 Mr '65.

## STUPOR

- Aminazine treatment of stuporous states (clinical and pharmacological analysis). L. A. Smilovitch, A. I. Follak, T. N. Nazarova. Zhur. neorg. i psikh. 64 no. 11: 1722-1727 '64.

## STUTTGART—RUSSIAN LANGUAGE—STUDY AND TEACHING

- The abolishing of learning in Stuttgart. N. Kellshiev. Nov. vrem. 23 no. 26:16 Je '65.

## STYRENE

- Use of the method of electroconductivity measurement for studying the kinetics of the block polymerization of styrene. S. V. Kuz'mina and others. Plast. massy no. 4:67-70 '65.

## STYRENE POLYMERS

- Economics of the production of impact resistant polystyrene plastics. N. P. Kocherov, N. P. Fedorenko, N. M. Markosova. Plast. massy no. 4:1-4 '65.
- Photooxidation of polystyrene. O. B. Zapol'skii. Vysokom. soed. 7 no. 4:615-620 Ap '65.

- Structuration and mechanical properties of plasticized isotactic polystyrene in the presence of artificial crystallization nuclei. V. A. Kargin, T. I. Sogolova, N. A. Rapoport-Molodtsova. Vysokom. soed. 7 no. 1 576-579 Ap '65.

## SUBMARINE BOATS

- (see also subdivision under United States)
- From the practice of carrying-out radio deviation work on submarines. A. P. Bursevich, V. V. Kostiaev. Mor. sbor. 47 no. 5:63-66 My '64.
- Radio deviation work on submarines. V. A. Mikhail'skii. Mor. sbor. 48 no. 5:82-83 My '65.
- A worthy generation. V. Olkidaeh. Sov. voen. 47 no. 11 13-15 Je '65.

## SUBMARINE BOATS—DICTIONARIES

- English-Russian dictionary on submarines and anti-submarine defense. A. A. Chirkov. Mor. sbor. 47 no. 5 92-93 My '64.

## SUBMARINE BOATS—LIGHTING

- Settle the problem concerning the navigation lights of submarines. V. V. Mitinov. Mor. sbor. 48 no. 4:63-67 Ap '65.

## SUBMARINE GEOLOGY see subdivision under Black Sea, Mediterranean Sea

## SUBMARINE GEOMORPHOLOGY see subdivision under Adriatic Sea

## SUBMARINE TOPOGRAPHY see subdivision under Pacific Ocean

## SUBMARINE WARFARE

- The anti-submarine rocket "Subroc." F. I. A. Zaleskii, V. A. Kanonov. Mor. sbor. 47 no. 5:85-87 My '64.
- Cooperation of the Air Force with submarines. IU. A. Bikhlanov. Mor. sbor. 48 no. 1:41-46 Ap '65.
- In the true spirit of the Guard. P. D. Grishchenko. Mor. sbor. 48 no. 4:37-40 Ap '65.
- Modern shipboard anti-submarine weapons. I. I. A. Perevozov. Mor. sbor. 48 no. 6:76-83 Je '65.
- They have fulfilled their duty. I. I. Azarov. Mor. sbor. 48 no. 4:34-37 Ap '65.

## SUBSIDENCES (EARTH MOVEMENTS)

- Regularities of roof displacement in steep seam longwalls. A. G. Shadrin. Vop. gor. davl. no. 22:3-10 '64.
- Turchaninov, I. A. [Displacement and pressure of rock in the mining of steeply pitching seams] Sdvizhenie i davlenie gornykh porod pri razrabotke krutopadatel'shchikh zhil. Moskva, Nauka, 1965. 93 p.

## SUBSTITUTES FOR METALS see Metals, Substitutes for

## SUBWAYS see subdivision under Kiev, Moscow

## SUBWAYS—CURRENT SUPPLY see subdivision under Moscow

## SUBWAYS—SUBSTATIONS see subdivision under Moscow

## SUCCINIC DEHYDROGENASE—PHYSIOLOGICAL EFFECT

- Histochemical studies on succinic dehydrogenase in the baroreceptors of the depressor zone of the aortic arch in dogs. N. B. Lavrent'eva, E. B. Khaisman. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7 61-62 '64.

## SUCHON, EUGEN, 1908-

- A people's artist. I. Valda. Sov. muz. 29 no. 5:120-124 My '65.

## SUCKER RODS

- Determining the appropriate degree of hardening for sucker rods. A. S. Kerimzade and others. Mash. i nef. sbor. no. 5:14-19 '65.

## SUDRABKAINS, JANIS, 1894-

- Bumalis, Arnolds. [People's poet Janis Sudrabkains, his life and work] Tautas dzejnieks Janis Sudrabkains; dzive un darbs attelos. Rigas, Latvijas Valsts izdevnieciba, 1964, 1 v. (MH)

## SUDZHA DISTRICT—EDUCATION, PRESCHOOL

- Children's training should not be limited to summer only. M. Komarova. Doshk. vosp. 38 no. 3:27-28 Mr '65.
- On the collective farm "20 years of October." N. Samburova. Doshk. vosp. 38 no. 3:27 Mr '65.

## SUGAR

- Effect of cation exchange on the changes in sugar losses of molasses. T. P. Khvalkovskii. Sakh. prom. 39 no. 4:45-48 Ap '65.

## SUGAR—ANALYSIS AND TESTING

- Chromatographic and polarographic method of analysis of a mixture of sugars. N. A. Arkhipovitch, L. M. Zelenina. Sakh. prom. 39 no. 5:45-49 My '65.

#### SUGAR—DRYING

Determining the rate of the fluidization start in dry granulated sugar. I. B. Novikova. Sakh. prom. 39 no. 4:12-15 Ap '65.

#### SUGAR BEET MACHINERY

see subdivision under Kazakhstan, Fulton

#### SUGAR BEETS

(see also subdivision under Azerbaijan, Ukraine)

Effect of ammonium sulfate on the movement of assimilates in sugar beets. A. A. Anisimov. Fiziol. rast. 12 no. 2:290-291 Mr.-Ap '65.

Movement of sugars from the mesophyll to the conducting bundles of sugar beet leaves. M. I. Brovchenko. Fiziol. rast. 12 no. 2:270-279 Mr.-Ap '65.  
Results of experiments in sugar beet growing from the 1953-54 variety. V. I. Danilov. Sakh. prom. 39 no. 5:15-17 My '65.  
Improvement of agriculture in a nation-wide task. Sakh. prom. 39 no. 5:1-6 My '65.

#### SUGAR BEETS—DISEASES AND PESTS

(see also subdivision under Kuban, White Russia)

Control of pests of sugar beets in the R. S. F. S. R. I. P. A. M. Marganova. Zashch. rast. ot vreditel' i bolez. 3 no. 3:43-47 Ap '65.  
Fungus spot spreading of sugar beets. F. Markov. Zashch. rast. ot vreditel' i bolez. 3 no. 3:33-35 Ap '65.  
Protection of sugar beets from flea beetles. O. Petrukha. Zashch. rast. ot vreditel' i bolez. 3 no. 3:39-40 Ap '65.

#### SUGAR BEETS—FERTILIZERS AND MANURES

Clayey placement of fertilizers under sugar beet seed plants. A. V. Sushchuk. Khim. v sel. khoz. 3 no. 4:14-15 Ap '65.

#### SUGAR BEETS—STORAGE

Electric power supply for sugar beet storage fields. A. M. Bulyev. Sakh. prom. 39 no. 5:58-59 My '65.

#### SUGAR BEETS—TRANSPORTATION

From the experience of automobile train unloading on the side dumping platforms of piers. V. A. Novikov, N. M. Kichigin. Sakh. prom. 39 no. 4:31-34 Ap '65.

#### SUGAR BEETS AS FEED

Effectiveness of the use of amide-mineral mixtures in feeding beet pulp to cattle. V. I. Maksakov and others. Khim. v sel. khoz. 3 no. 4:66-70 Ap '65.

#### SUGAR FACTORIES

Automatic system for the protection of the thrust bearing of turbogenerators. I. F. Gleizer, E. S. Khvaliv. Sakh. prom. 39 no. 4:41-44 Ap '65.  
Balancing of equipment parts in sugar factories. M. I. Rybalkin. Sakh. prom. 39 no. 5:31-32 My '65.  
Criteria of the optimum control systems of automated sugar factories. E. K. Zhigin, P. M. Kaz'min. Sakh. prom. 39 no. 4:34-39 Ap '65.  
Remodeling of DKV-6, 5/18-350 system steam boilers. K. N. Savchuk. Sakh. prom. 39 no. 5:33-40 My '65.

#### SUGAR FACTORIES—EQUIPMENT AND SUPPLIES

see subdivision under Alma-Ata

#### SUGAR FACTORIES—MAINTENANCE AND REPAIR

High quality maintenance and repair is the prerequisite of successful work during the production season. I. M. Pustil'nik, E. A. Strutynskii. Sakh. prom. 39 no. 5:7-10 My '65.

#### SUGAR FACTORIES—QUALITY CONTROL

Quality control of the work of a factory by the crystallization of the massculite of the last product. B. I. Kats, D. E. Shetserman. Sakh. prom. 39 no. 5:49-50 My '65.

#### SUGAR INDUSTRY

(see also subdivision under Zolochov, Lvov Province)  
Development of the sugar industry during the period from 1966 to 1970. A. Epshin, G. Fedorov. Sakh. prom. 39 no. 4:71-74 Ap '65.

#### SUGAR INDUSTRY—CURRENT SUPPLY

Electric power supply for sugar beet storage fields. A. M. Bulyev. Sakh. prom. 39 no. 5:58-59 My '65.

#### SUGAR INDUSTRY—FINANCE

see subdivision under Ukraine

#### SUGAR MACHINERY

Useful proposals. I. A. Gorbunin. Sakh. prom. 39 no. 4:52-53 Ap '65.

#### SUGAR MACHINERY—CATALOGS

Russia (1917— R. S. F. S. R.) Vinnitskii ekonomicheskii administrativnyi rayon. Sovet narodnogo khoziaistva. [Catalog—handbook of equipment for beet sugar factories (Soviet-made)] Katalog-spravochnik oborudovaniia dlia vneslozhnykh zavodov (otchestvennogo proizvodstva). [Vinnitsa] Vinnitskoe obl. knizhno-gazetnoe izd-vo, 1963. 235 p.

[MICROFILM]

#### SUGAR MACHINERY—CORROSION

Wear of metals in saturation juices. N. A. Solodub. Sakh. prom. 39 no. 5:25-27 My '65.

#### SUGAR MACHINERY—MAINTENANCE AND REPAIR

Method of blow-down of defecation-saturation boilers. P. S. Maksimuk. Sakh. prom. 39 no. 5:27-30 My '65.

#### SUGAR MANUFACTURE

(see also subdivision under Kaney, Ukraine)

Continuous measurement of the viscosity of intermediate products in sugar manufacture. A. I. Gromkovskii. Sakh. prom. 39 no. 5:40-45 My '65.

Control filtration of the first carbonation juice. V. L. Mar'ianchik, E. V. Litvinov. Sakh. prom. 39 no. 4:25-29 Ap '65.

For the technical progress in sugar manufacture. Sakh. prom. 39 no. 4:1-8 Ap '65.

Labor productivity accounting in sugar factories. V. N. Tret'yakov. Sakh. prom. 39 no. 5:51-53 My '65.

Measurement of the expenditure of milk of lime. A. L. Antonovich. Sakh. prom. 39 no. 4:39-40 Ap '65.

Multi-stage system for juice purification. A. I. Katana. Sakh. prom. 39 no. 4:21-26 Ap '65.

Performance of continuous diffusers in the sugar factories of the R. S. F. S. R. V. A. Selitski. Sakh. prom. 39 no. 5:20-25 My '65.

Twenty-first scientific conference of the Kiev Technological Institute of the Food Industry, work of the section of the technology for the processing of sugary products. I. A. Prikhod'ko. Sakh. prom. 39 no. 5:75-76 My '65.

Ultrasonic method for the control of the basic technological processes in beet-sugar manufacture. V. M. Lube and others. Sakh. prom. 39 no. 4:8-12 Ap '65.

Use of granular activated carbon with magnetite additives for sirup purification in sugar refineries. I. L. Zdanovich, F. P. Alekseenko. Sakh. prom. 39 no. 5:11-14 My '65.

#### SUGAR MANUFACTURE—TECHNOLOGICAL INNOVATIONS

Efficiency promoters of the "K. Libkneht" Sugar Combine. I. P. Pas'ko. Sakh. prom. 39 no. 4:49-50 Ap '65.

#### SUGARS

Movement of sugars from the mesophyll to the conducting bundles of sugar beet leaves. M. I. Brovchenko. Fiziol. rast. 12 no. 2:270-279 Mr.-Ap '65.

#### SUGGESTION SYSTEMS

(see also subdivision under Ukraine)

How to register suggestions (a consultation). A. Kondrat'ev. Ekon. Rad. Ukr. 8 no. 8:84-85 Je '65.

#### SUKHAREVSKAYA, LIDIYA

Lidiya Sukharevskaya. Z. Vladimirova. Teatr. 26 no. 6:59-67 Je '65.

#### SULAIMANOVA, KHADICHA S.

The President of the Supreme Court of the Republic. A. Aleksandrov. Sots. zakon. 42 no. 3:71-75 Mr '65.

#### SULFANILAMIDE

Infrared absorption spectra of trans-dihydroxyimines of trivalent cobalt with sulfanilamides. A. V. Ablov, N. N. Proskina, V. N. Shafranski. Zhur. neorg. khim. 10 no. 6:1355-1359 Je '65.

Prophylaxis and therapy of the parturient canals in cows using trichilin. P. S. Okun'kov. Veterinarlia. 41 no. 4:86-87 Ap '65.

#### SULFENYL CHLORIDES

Substituted vinyl and ethyl aryl ethers. Part I: Reaction of phenyl sulfonyl chloride with vinyl aryl ethers. A. V. Kalabina and others. Zhur. ob. khim. 35 no. 6:979-982 Je '65.

#### SULFIDES

(see also subdivision under Mexico)

Determination of thiourea and disulfide impurities in thion ca dioxide. N. A. Novikovskaya, A. G. Stepanova, V. I. Blinova. Trudy IREA no. 25:252-257 '63.

Formation of sulfides during a shaft furnace smelting of oxidized nickel-containing ores. S. I. A. Kolodnyi. Zhur. prikl. khim. 38 no. 4:855-863 Ap '65.

Relation of an intensive negative magnetic anomaly to a sulfide manifestation in effluents. I. G. Bondarenko. Geofiz. sbor. no. 8:110-113 '64.

#### SULFIDES—TESTING

Effect of preliminary high-temperature heating on the physicochemical properties of solid and liquid materials. S. E. Litumkis, K. P. Dubinina. Izv. vyz. ucheb. zav. i tsvet. met. 8 no. 1:34-42 '65.

#### SULFITE LIQUOR

Burning black liquor in modern injection-type apparatus. A. P. Potapenko. Bum. i der. prom. no. 2:15-18 Ap-Je '65.

#### SULFONAMIDES—THERAPEUTIC USE

Compound therapy of diabetes mellitus with sulfonamides and insulin. N. M. Mordkovskaya. Probl. endok. i gorm. 10 no. 5:1-7 S-O '64.

#### SULFONAZO

Determination of the catalytic phase of vanadium with sulfonazoyl reagent. I. U. M. Gofman, V. G. Sivkova. Trudy IREA no. 25:313-316 '63.

Sulfonazo, a new reagent for vanadium. V. G. Ivanovskii and others. Trudy IREA no. 25:17-23 '63.

#### SULFONIC ACIDS

Conductometric analysis method for the control of alkali melting of the salts of aromatic sulfonic acids. V. N. Krasnosel'skii and others. Khim. prom. 41 no. 5:354-355 My '65.

Effect of ammonia additives on the alkali fusion of the salts of aromatic sulfonic acids. V. V. Kozlov. Khim. prom. 41 no. 5:333-335 My '65.

Study of organic electrets. Part I: Hydrazides of aromatic sulfonic acids. A. B. Dzhdzhelava and others. Zhur. ob. khim. 35 no. 5:831-833 My '65.

#### SULFOXIDES

Trifluoromethylthiethylsulfoxide. I. M. Lagunovskii, A. G. Panteleimonov. Zhur. ob. khim. 35 no. 6:1120 Je '65.

#### SULFUR

Genesis of native sulfur deposits. A. S. Sokolov. Fiz. i pol. iskop. no. 2:51-59 Mr.-Ap '65.

Improving the quality of sulfurized intermediate products. V. I. Aizenberg, M. D. Tishchenko. Khim. i tekhn. 20 no. 3:11-18 Mr '65.

Polarography of solutions containing elementary sulfur and bivalent iron present together. B. A. Kiselev, B. I. Zhdanov. Izv. AN SSSR, Ser. khim. no. 10:655-659 '65.

#### SULFUR DIOXIDE

Automatic control of the SO<sub>2</sub> content of gas by its temperature. O. I. Kulikov, I. S. Dmitrienko. Khim. prom. [Ukr.] no. 2:80 Ap-Je '65.

Continuous purification of gas mixtures by removing sulfur dioxide in the fluidized bed of a solid granular sorbent. I. P. Zernikov. Izv. vyz. ucheb. zav. i khim. i tekhn. 8 no. 1:94-98 '65.

Corrosion rate of aluminum alloys in an atmosphere of sulfur dioxide. E. O. Travitskaya. Zap. tsn. sel'khoz. inst. 85:87-90 '61.

#### SULFUR DIOXIDE—MAGNETIC PROPERTIES

Magnetic susceptibility of sulfur dioxide. S. P. Ionov, M. A. Poyay-Koshits. Zhur. neorg. khim. 10 no. 1:1285-1287 My '65.

#### SULFURATION

Thermochemical transformations during the sulfuration of oxidized nickel compounds by sulfuric acid in the presence of carbon. V. V. Pechkovskii, T. G. Mal'tsevs. Izv. vyz. ucheb. zav. i tsvet. met. 8 no. 1:55-63 '65.

#### SULFURIC ACID

Automating the production of sulfuric acid. A. I. Nodobezhkin. Nefteper. i neftekhim. no. 1:43-49 '65.

Extraction of sulfuric acid and uranyl sulfate with N-alkylanilines. O. E. Zviagintsev and others. Zhur. neorg. khim. 10 no. 4:981-985 Ap '65.

Nature of water in rhodium sulfates. S. I. Glazburg, N. N. Chailsova. Zhur. neorg. khim. 10 no. 4:815-822 Ap '65.

Reaction of uranium oxides of various compositions with sulfuric acid. E. U. Kuz'micheva and others. Radio-khimiia. 7 no. 1:70-83 '65.

Results of a competition between enterprises of nonferrous metallurgy on "Providing the maximum output of sulfuric acid in existing plants for a better utilization of metallurgical equipment and the equipment of sulfuric acid plants." A. A. Molchanov. TSvet. met. 38 no. 3:95-98 Mr '65.

System FeO - SO<sub>3</sub> - H<sub>2</sub>O at 26°C. I. A. G. Goreshtchenko, E. K. Sikorskaya. Zhur. neorg. khim. 10 no. 4:934-954 Ap '65.

Thermal stability of scandium sulfates and their solubility in sulfuric acid solutions at 25°C. L. N. Komissarova, V. M. Shatski, G. I. Moseichenko. Zhur. neorg. khim. 10 no. 1:755-763 Ap '65.

#### SULFURIC ACID—THERMODYNAMICS

Equilibrium of dissociation in sulfuric acid vapors. A. V. Suvorov, R. B. Dobrotin, S. M. Gadzhiev. Zhur. neorg. khim. 10 no. 8:1307-1311 Je '65.

#### SULFURIC ACID INDUSTRY

Improve the technology and increase the production of sulfuric acid. N. V. Gudima. TSvet. met. 38 no. 3:1-4 Mr '65.

#### SUMGAIT (AZERBAIJAN)—EARTHQUAKES

Earthquakes from a surface focus in Sumgait on December 12, 1959 and July 1, 1962. V. P. Kuznetsov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 5:47-53 '64.

SUMMER see subdivision under Khibiny Mountains

#### SUMY—PUBLIC PROSECUTORS

Prosecutorial supervision of law observance in the institution of criminal cases. G. I. Asinikil. Sots. zakon. 12 no. 6:53-56 Je '65.

#### SUMY PROVINCE—BUILDING MATERIALS INDUSTRY

Prepare in time for the production season. M. Danyk. St. bud. 15 no. 2:17-18 F '65.

#### SUNFLOWER SEED—STORAGE

Chemical preservation of moist sunflower seeds. L. V. Romanova. Khim. v sel'. khoz. 3 no. 4:38-46 Ap '65.

#### SUNFLOWER SEED OIL

(see also subdivision under Moldavia)

Effect of phenylacetic acid and sunflower oil on penicillin biosynthesis. I. Nytil, Z. I. Engel. Antibiotiki 10 no. 5:498-491 My '65.

#### SUNFLOWERS

Results of testing herbicides in sunflower fields. A. I. Lukashuk. Khim. v sel'. khoz. 3 no. 5:41-46 My '65.

#### SUNFLOWERS—DROUGHT RESISTANCE see subdivision under Azov District

#### SUNSPOTS

Solar activity. M. A. Lyschits. Priroda 51 no. 6:48-57 Je '65.

#### SUNZHENSKIY DISTRICT—KINDERGARTENS

"It is nice in our garden!" L. Kobanova. Doshk. voap. 30 no. 3:30-30 Mi '65.

#### SUPERCHARGERS

The TN-2000-12/18 low-expenditure supercharger. G. A. Khain, O. A. Goidotskii, A. P. Tol'ianin. Energiya-mashinostroyeniye 11 no. 4:30-42 Ap '65.

#### SUPERCONDUCTIVITY

Effect of the structural state on the superconducting properties of aluminum alloys containing 20% to 25% niobium. II. F. Bychkov, I. N. Goncharov, I. S. Khukharenko. Zhur. tekhn. fiz. 48 no. 3:918-924 Mr '65.

The problem of superconductivity. A. A. Abrikosov. Vest. AN SSSR 35 no. 4:17-20 Ap '65.

Superconductivity in nonmetallic systems. L. V. Keldysh. Usp. fiz. nauk 80 no. 2:377-333 Je '65.

Superconductivity in semiconductors. B. M. Vul, A. S. Solovyanenko. Fiz. tver. tela 7 no. 8:1876-1877 Je '65.

#### SUPERHEATERS

Sorov, E. P., ed. [Superheaters of boiler units] Paroperegrevateli kolebnykh agregatov. [By] V. I. Lezin i dr. Moskva, Energiya, 1965. 287 p.

#### SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

#### SUPERSTITION

Chudomor, E. F. [Superstitions and fortune-telling] O suvereniakh i gadaniyakh. Minsk, Belarus', 1965. 30 p. (Biblioteka niefista)

#### SUPPLY AND DEMAND

Basic laws of the development of supply and demand. Sh. Afrutkin. Sov. putre. koop. 9 no. 3:50-53 Mr '65.

Business fairs and the production of goods. V. Klimenko. Sov. tovg. 10 no. 3:21-23 Mr '65.

Demand, price, quality. I. A. Orlov. Tekh. ost. no. 4:3-9 Ap '65.

Economic regulation of the market. A. I. Levin. Sov. tovg. 30 no. 3:10-14 Mr '65.

Goods, store, and customer. V. Makal'mov. Nar. khoz. Kazakh. 23 no. 3:68-70 Mr '65.

Mechanism of supply and demand. V. Zaruev. Plan. khoz. 42 no. 6:87-90 Je '65.

Regulating commodity stocks according to the changes in the population's demand. L. V. Nikitina. Vest. Mosk. un. Ser. 01 Ekon., filoz. 20 no. 2:21-27 Mr-Apr '65.

Study by commercial organizations of the consumers' demand. G. Trukhtenberg. Tekh. ost. no. 4:6 Ap '65.

Ties between industry and trade. I. A. Orlov. Sov. tovg. 30 no. 3:3-9 Mr '65.

Using the conditions of the market for equipment. F. Levshin. Vnesh. tovg. 46 no. 6:44-48 '65.

#### SUPPURATION

Isolation of PPLO, L-forms and heteromorphous forms of bacterial growth from the cerebrospinal fluid of patients with purulent meningitis. G. I. Kagan, E. I. Koptelova, V. I. Pokrovskii. Zhur. mikrobiol. i epid. i immun. 42 no. 2:105-110 F '65.

Kalluzhnaia-Lukashov, G. M. [Combined use of staphylococcal anatoxin and antibiotics in suppurative septic processes] Kombinirovannoe primeneniye stafillokokkovogo anatoksina i antibiotikov pri gnoino-septicheskikh protsessakh. Moskva, Meditsina, 1965. 73 p. (Biblioteka prakticheskogo vracha) (DNLM)

Mechanism of the depression of vital activity of microbes during development in purulent inflammatory foci. V. N. Solov'ev, V. S. Zueva. Zhur. mikrobiol. i epid. i immun. 42 no. 3:70-74 Mr '65.

Pathogenesis of pulmonary suppurative diseases and their treatment. S. A. Mamedzade, S. M. Salikhov, N. E. Bagdasarov. Azerb. med. zhur. 42 no. 3:60-67 Mr '65.

#### SURFACE ACTIVE AGENTS

Coagulation zones in the course of action of surface-active agents on hydrophobic soils. IU. M. Glazman, M. E. Krasnukotskii. I. P. Sapon. Koll. zhur. 27 no. 2:200 Mr-Apr '65.

Effect of halogen ions and organic surface-active substances on hydrogen-ion discharge reaction on a copper electrode in acid solutions. A. I. Iofa, V. A. Makarova. Elektrokhimiya 1 no. 2:230-233 F '65.

Effect of hydrocarbon soluble surfactants on surface tension. R. A. Musaev, G. A. Babolian, I. I. Kravchenko. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk no. 5:97-102 '64.

Effect of surface-active agents on the atomization of liquids. V. I. Kochetov, E. S. Klepikov, R. M. Garashin. Koll. zhur. 27 no. 2:203-206 Mr-Apr '65.

Effect of surfactants on the formation and sedimentation of hydrates. T. A. Salfeev, A. M. Lobkov. Gaz. delo no. 4:9-13 '65.

Effect of the cation exchange complex of a surface-active medium on the dispersity of colloidal clay suspensions. A. M. Bairamo, A. K. Miskaril. Koll. zhur. 27 no. 2:145-150 Mr-Apr '65.

Electrodeposition of cadmium from sulfate solutions with added surface-active agents. I. A. Efimov, N. N. Balashova. Elektrokhimiya 1 no. 3:505-508 My '65.

Interaction between colloidal particles having dipole molecules adsorbed on their surface. G. A. Martynov, V. P. Smilga. Koll. zhur. 27 no. 2:250-253 Mi-Apr '65.

Physical and physicochemical fundamentals of sand-plug flushing in oil wells using foam. V. A. Amian and others. Neft. khoz. 43 no. 3:63-66 Mr '65.

Side tracking and two-hole drilling in the Oil Field Administration of the Buzovny Petroleum Trust using the on-phase foam. N. G. Salikhov, A. A. Kodzhanov. Neftprom delo no. 4:26-28 '65.

Some problems of the theory of electrodeposition of alloys. Part II: Effect of surface-active substances on the phase structure of electrolytic copper-lead alloys. IU. M. Polukarov, V. V. Grinina. Elektrokhimiya 1 no. 2:212-217 F '65.

#### SURFACE ACTIVE AGENTS—EFFECT ON PLANTS see Plants, Effect of surface active agents on

#### SURFACE CHEMISTRY

Formula for the dependence of the surface distribution coefficient on the indices representing the conditions of crystallization. G. I. Gorsheln. Trudy RKA no. 25:123-130 '63.

Surface phenomena at the boundary between a carbon material and coal tar pitch. I. F. Sukhorukov, E. M. Babonko, M. V. Gavrilina. TSvet. met. 38 no. 3:65-68 Mi '65.

#### SURFACE ENERGY

Interphase surface energy of metals at the boundary with dielectric fluids. S. N. Zadumkin, A. A. Karashev. Fiz. - khim. mekh. mat. 1 no. 2:130-141 '65.

#### SURFACE HARDENING

High-temperature thermomechanical surface hardening. M. L. Bernshteyn and others. Vest. mashinost. 45 no. 6:63-65 Je '65.

Increasing the strength of frames by hammer hardening. M. Kohrin and others. Avt. transp. 43 no. 2:26-28 F '65.

Surface hardening of ALLOY alloy by burnishing. S. V. Iatchenko and others. Mashinostroyeniye no. 3:38-40 My-Je '65.

Surface hardening of hollow chambers of crankshafts by stamping. G. E. Petushkov, L. M. Karas', V. P. Ovcharenko. Mashinostroyeniye no. 3:37-38 My-Je '65.

#### SURFACE TENSION

Reduction of the surface tension of solid metals caused by the adsorption on their surfaces of atoms of surface-active metal melts. L. S. Brukhanova, I. A. Andreeva, V. I. Likhtman. Fiz. - khim. mekh. mat. 1 no. 2:134-138 '65.

Surface activity of some soaplike semicolloids in relation to micelle formation in their aqueous solutions. Z. N. Markina and others. Koll. zhur. 27 no. 2:242-249 Mr-Apr '65.

#### SURFACE WAVES

Emission of a surface wave by a charge crossing the interface between two media. V. I. Eidman. Izv. vys. ucheb. zav., radiofiz. 8 no. 1:168-180 '65.

#### SURFACES

Closure of a class of manifolds of bounded curvature. IU. D. Burago. Trudy Mat. inst. 75:141-147 '65.

#### SURFACES (TECHNOLOGY)

Effect of various factors on the surface quality of stainless steel sheet. A. K. Dubrovinn and others. Stal' 25 no. 5:430-433 My '65.

Shaping surfaces of higher orders. A. S. Shashkin. Izv. vys. ucheb. zav., mashinostr. no. 3:38-44 '65.

#### SURFACES, DEFORMATION OF

Experimental investigation of surface deformations during plastic bending. K. N. Bogolavskii, A. K. Grigor'ev, V. G. Borisov. Trudy LPI no. 243:112-117 '65.

#### SURFACES, ISOTHERMIC

Evaluation of the distorting effect of the relief on geothermal parameters. R. I. Kutas. Geofiz. sbor. no. 9:107-113 '64.

#### SURGERY

Discussions at the session. Trudy Inst. im. N. V. Sklif. 9:278-303 '63.

Emergency and planned surgery in elderly patients. B. A. Petrov. Trudy Inst. im. N. V. Sklif. 9:8-12 '63.

Emergency surgery in elderly and senile persons based on materials of the Sverdlovsk Surgical Clinic for 10 years. N. K. Kudrjavtseva, V. K. Titov. Trudy Inst. im. N. V. Sklif. 9:30-37 '63.

Manukjan, R. S. [Materials on the study of surgical aspects of avitaminosis C] Materialy k izucheniyu khirurgicheskoi kliniki avitaminozov C. Baku, Azerbaidzhanoskoe gos. izd-vo, 1965. 118 p. (DNLM)

Perforation of gastric and duodenal ulcer in elderly persons. N. I. Kostintsev. Trudy Inst. im. N. V. Sklif. 9:44-50 '63.

Strangulated hernia in elderly persons. O. I. Vinogradova, E. I. Fidus. Trudy Inst. im. N. V. Sklif. 9:38-43 '63.

Treatment of acute biliary peritonitis in aged persons. T. A. Molugina. Trudy Inst. im. N. V. Sklif. 9:78-81 '63.

#### SURGERY—COMPLICATIONS AND SEQUELAE

Acute adrenocortical insufficiency following excision of a giant cyst of the adrenal gland and an adrenocortical cyst of the small intestine. B. M. Gorshman, M. S. Tverdnyin. Probl. endok. i gorm. 10 no. 4:66-70 Ji-Ag '64.

Acute cholecystitis in elderly persons. E. N. Popov. Trudy Inst. im. N. V. Sklif. 9:50-70 '63.

Characteristics of the clinical course and therapy of postoperative thrombosis in the system of the portal vein. A. I. A. Lipskii, R. G. Sprintson. Vest. khir. 83 no. 11:48-53 N '64.

Cholecystectomy in acute cholecystitis in elderly persons. P. N. Petrov. Trudy Inst. im. N. V. Sklif. 9:71-77 '63.

Complications following appendectomy for acute appendicitis in elderly persons. N. S. Galin. Trudy Inst. im. N. V. Sklif. 9:94-98 '63.

Complications in surgical treatment of cancer of the rectum. I. M. Grabchenko, I. V. Ogorodnik. Vop. onk. 11 no. 3:21-25 '65.

Obturatorial intestinal obstruction caused by cancer of the rectum in elderly persons. L. S. Koptelovskaya. Trudy Inst. im. N. V. Sklif. 9:110-124 '63.

Outcomes of acute surgical diseases of the abdominal cavity in elderly persons. L. I. Garvin. Trudy Inst. im. N. V. Sklif. 9:125-131 '63.

Strangulated intestinal obstruction in elderly persons. E. V. Loskutova. Trudy Inst. im. N. V. Sklif. 9:103-110 '63.

Surgeon's tactics in surgical diseases in elderly persons with diabetes. I. L. Kanterman. Trudy Inst. im. N. V. Sklif. 9:99-102 '63.

X-ray examination of early and late complications following radical operations in pulmonary tuberculosis. Z. A. Shulaseva. Vest. rent. i rad. 40 no. 2:67-68 Mr-Apr '65.

#### SURGERY—CONGRESSES

Pirogov congresses and the zemstvo surgery. V. Ch. Brzheskii. Vest. khir. 83 no. 11:124-128 N '64.

#### SURGERY, ASEPTIC AND ANTISEPTIC

Kolesnichenko, Z. P., and P. M. Khanina. [Manual for female surgical ward attendants] Rukovodstvo dlia operatsionnykh sanitark. Pod red. N. S. Timofeeva. [Leningrad] Meditsina, 1965. 82 p. (DNLM)

Rational use of soap in the process of preparing the surgeon's hands in mass reception of patients. B. G. Guseinov. Azerb. med. zhur. 42 no. 3:74-78 Mr '65.



## SYSTEMS (CHEMISTRY) (Continued)

Phase diagram of the system  $\text{Fe}_3\text{O}_4$  -  $\text{Mn}_2\text{O}_3$  -  $\text{MnO}$  -  $\text{FeO}$  at 1000°C and the thermodynamic properties of coexisting phases. IU, D. Tret'kov, IU, G. Saksanov, I. V. Godeev. Izv. AN SSSR, Neorg. mat. 1 no. 3, 113-118 Mr '65.

Polymorphism in the system m-dinitrobenzene - trinitrobenzene. G. B. Ravich, O. F. Bogush. Izv. AN SSSR Ser. khim. no. 6 1977-1978 '65.

Quasi-equilibrium states in the systems Metal - Metal-Anion Solid - Cation-Anion solution-solution Kh Z Buzina I M Itoiznblat Flekikhimii 1 no 4 193-198 Ap '65

Reciprocal system consisting of fluorides, chlorides, and hexafluoroantimonates of sodium and potassium. V. T. Mal'tsev, G. A. Bukhalova. Zhur. neorg. khim. 10 no. 6:1161-1170 Je '65.

Reciprocal system consisting of sodium, potassium, and bismuth chlorides and fluorides. L. S. Iagub'kan, G. A. Bukhalova. Zhur. neorg. khim. 10 no. 6:1459-1463 Je '65.

Reaction between separation factors in binary and ternary systems. A. N. Kirgintsev, E. G. Avvakumov. Radiokhimiia 7 no. 1:107-110 '65.

System consisting of potassium cadmium and lead chlorides. A. G. Beigman Zh. V. Mistei Zhur. neorg. khim. 10 no. 5:1282-1285 My '65.

System Cu, Cd, Pb/Cd. I. I. D'nikov, A. G. Beigman, N. I. Chamskii Zhur. neorg. khim. 10 no. 5:1256-1258 My '65.

System  $\text{Na}_2\text{WO}_4$  -  $\text{NH}_4\text{Cl}$  -  $\text{HCl}$  -  $\text{H}_2\text{O}$  at 25°C and pH 7.0. K. I. A. Shopiro, IU. N. Iu. Ievich, V. V. Kulakova. Zhur. neorg. khim. 10 no. 1:961-964 Ap '65.

System of sodium, potassium, and scandium fluorides. L. P. Babanova, G. A. Bukhalova. Zhur. neorg. khim. 10 no. 6:1455-1458 Je '65.

System  $\text{TiNO}_3$  -  $\text{CaNO}_2$  -  $\text{H}_2\text{O}$  at 215°C. P. I. Protogenko, N. A. Brykova, L. M. Ivenova. Zhur. neorg. khim. 10 no. 6:1177-1180 Je '65.

System  $\text{C}_2\text{F}_6$  -  $\text{KF}$  and  $\text{C}_2\text{F}_6$  -  $\text{PbF}_2$ . B. G. Samuseva, V. F. Plushchev. Zhur. neorg. khim. 10 no. 5:1270-1272 My '65.

Thermal analysis of binary nitrate systems. T. I. Proshenko, N. A. Brykova Zhur. neorg. khim. 10 no. 6:1220-1224 My '65.

Thermodynamic characterization of the system  $\text{HF}$  -  $\text{HNO}_3$  -  $\text{H}_2\text{O}$ . Part I: Calculation of activity of components in the system  $\text{HF}$  -  $\text{HNO}_3$  -  $\text{H}_2\text{O}$ . V. M. Vdovenko and others. Radiokhimiia 7 no. 2:151-159 '65.

Transport numbers in binary systems formed by sulfuric acid with orthophosphoric and monochloroacetic acids. IU, I. A. Fialkov, A. N. Zhitomirskii, O. K. Kudina. Zhur. neorg. khim. 10 no. 4:934-939 Ap '65.

Volumetric relationship in the system nitrogen - carbon dioxide. N. L. Khazanova, I. S. Losovskaya. Khim. prom. 11 no. 5:344-347 My '65.

## SYSTEMS (CHEMISTRY)—THERMODYNAMICS

Study of thermodynamic characteristics of the system  $\text{HF}$  -  $\text{HNO}_3$  -  $\text{H}_2\text{O}$ . Part II: Measurement of vapor pressure of components of systems  $\text{HF}$  -  $\text{H}_2\text{O}$  and  $\text{HF}$  -  $\text{HNO}_3$  -  $\text{H}_2\text{O}$ . V. M. Vdovenko, L. N. Lararov, E. V. Shitvinaki. Radiokhimiia 7 no. 1:140-140 '65.

## SYZHAN' (KUYBYSHEV PROVINCE)—PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

We are introducing advanced methods for the installation of plant equipment. S. Kosylov. Nauch. i. Ros. 8 no. 0:2-4 Je '65.

## TABLIS see subdivision under Moscow

## TACHOMETER

Use of a speed voltage generator with a ring armature for the experimental determination of the mechanical characteristics of an asynchronous motor. S. V. Tikhin. Izv. vys. ucheb. zav., energ. 8 no. 5:30-34 My '65.

## TAGANROG—COMMUNIST PARTY OF THE SOVIET UNION

From the history of the struggle for the party organization and workers in Taganrog for the development of industry, 1946-1950. A. A. Zhebov. Krasnod. zap. Tag. kraev. muz. no. 2:3-61 '64.

## TAGANROG—HISTORICAL MUSEUMS

The collection of medals in the Taganrog Museum of Local Lore. B. G. Magina. Kraev. zap. Tag. kraev. muz. no. 2:222-223 '64.

From the history of the assembling of the collections of the Taganrog Museum of Local Lore. L. A. Tsimbal. Kraev. zap. Tag. kraev. muz. no. 2:203-221 '64.

## TAGANROG REGION—HISTORY—SOURCES

A review of documents on the struggle for the establishment of the Soviet regime and first steps toward the reconstruction of the national economy in the Taganrog administrative area. I. M. Bozhkova, E. V. Zakharova. Kraev. zap. Tag. kraev. muz. no. 2:161-166 '64.

## TAGANROG REGION—REVOLUTION, 1917-1921

From the history of the struggle of the workers and working masses of peasants in Taganrog and Taganrog administrative area for the Soviet regime, 1917-1918. I. A. G. Grishkov. Kraev. zap. Tag. kraev. muz. no. 2:52-104 '64.

TAIGAS see subdivision under Yakutia

## TAJIKISTAN—ACCEPTANCES

Control over refusals to accept demands for payment D Kamalov. Den. i kred. 23 no. 5:80-81 My '65.

## TAJIKISTAN—CRIME AND CRIMINALS—RESEARCH

Workshop on problems of procuratorial supervision. V. Melkumov. Sots. zakon. 42 no. 6:59-80 Je '65.

## TAJIKISTAN—LABOR SUPPLY

Tsal, M. A. [Labor supply in Tajikistan during the period of the large-scale building of communism] Trudovye resulyi Tadjikistana v period razvernutoy stroitel'stva kommunizma. Dushanbe, Tadjikskii gos. univ., 1964. 75 p. (CS-11)

## TAJIKISTAN—NUT TREES

[Nut trees in Tajikistan] Orekhoploidy v Tadjikistane. [By] Z. M. Galvoronskaya i dr. Dushanbe, Izd-vo AN Tadjikskoi SSR, 1965. 100 p. illus. (DNAL)

## TAJIKISTAN—PUBLIC PROSECUTORS

Workshop on problems of procuratorial supervision. V. Melkumov. Sots. zakon. 42 no. 6:59-80 Je '65.

## TAJIKISTAN—RESEARCH

Umarov, S. U. [Flourishing of science in Tajikistan] Rasveti nauki v Tadjikistane. Dushanbe, [Izd-vo Akad. nauk Tadjikskoi SSR] 1960. 68 p. [MICROFILM]

## TAJIKS

Satrob Tajiks. N. A. Kistakov. Sov. etn. no. 2:17-27 Mr-Apr '65.

## TAKTAKISHVILI, OTAR, 1924-

"It must not happen again!" O. Sosnovskaja. Sov. muz. 26 no. 5:20-21 My '65.

TALES, UKRAINIAN see subdivision under Transcarpathia

## TALLINN—ART SCHOOLS

State Art Institute of Estonia. P. Luchtein. Poligrafia no. 12:33-34 D '64.

## TALLINN—BAPTISTS

To Oskald Adovich Tiark, Master of Theology and Presbyter of "Olevistu," the Tallinn parish of Evangelical Christians and Baptists O A Tiarku. Brat vest no. 6:53 '64.

## TALLINN—THEATER

Theater of Voldemar Panso. N. Kryanova. Teatr 26 no. 6:30-48 Je '65.

## TALYSH MOUNTAINS—ZEOLITES

Zeolites of the Talys Mountains. A. D. Ismail-Zade, F. A. Mustafeyev. Izv. AN Azerb. SSR, Ser. geol. geog. nauk no. 3:55-70 '64.

## TAMM, IGOR' YEVGEN'EVICH, 1895-

Igor' Yevgen'evich Tamm; on his 70th birthday. V. L. Ginzburg, A. D. Sakharov, E. L. Feinberg. Usp. fiz. nauk 86 no. 2:353-356 Je '65.

## TANK CARS—TESTING

Analysis of the state of stress of tank car shells. V. N. Koturakov. Vest TSNI MPS 24 no. 1:28-32 '65.

## TANKS see subdivision under Ukraine

## TANKS—DESIGN AND CONSTRUCTION

Advantages of rolling sheet elements. B. Popovskii. Evkon. stroit. no. 5:28-29 My '65.

## TANKS (MILITARY SCIENCE)

Armor is strong and our tanks are fast. K. Pavitskii. Komm. Vooruzh. Sil. 46 no. 8:61 Ap '65.

## TANNING

Design and analysis of the duration of the production cycle in tanning shops (based on the materials for the production of stiff leather). IU, I. Trunov. Nauch. trudy MTILP no. 30:58-77 '64.

Studying the reactions of synthetic high-molecular substances with aluminum sulfate compounds. M. Kh. Kirakosyan, I. P. Strakhov. Nauch. trudy MTILP no. 30:25-34 '64.

## TANNING MATERIALS

Automatic filling and emptying of the measuring tanks for diffusion liquids. IU, M. Grigorov, Kozh.-obuv. prom. 7 no. 4:27-29 Ap '65.

Expedition to Central Asia for the study on Polygonum coriaria. L. E. Pauzner, P. D. Sokolov, S. Kh. Cheveronidi. Rast. res. 1 no. 1:157-158 '65.

## TANNINS

Polygonum coriaria as a tanning material and the most important problems of its study and introduction P. D. Sokolov. Rast. res. 1 no. 1:55-65 '65.

TANNU-TUVA see Tuva A.S.S.R.

## TANTALUM

Niobium and tantalum acetate compounds. I. G. Churbaeva, A. K. Sparova. Zhur. neorg. khim. 10 no. 4:877-882 Ap '65.

## TANTALUM—ELECTROMETALLURGY

Mechanism of processes for the electrolytic separation of tantalum from fused oxyfluorides. V. M. Amosov. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:10-12D '65.

## TANTALUM—METALLURGY

Sorption of niobium and tantalum from  $\text{H}_2\text{SO}_4$  - HF solutions by AF-17, EDE-10P, AN-2F anion exchangers. V. S. Pakholkov, S. E. Simakov. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:102-109 '65.

## TANTALUM CHLORIDES

Electrolytic properties of  $\text{TaCl}_5$  in nonaqueous solvents. A. M. Golub, A. M. Sych. Zhur. neorg. khim. 10 no. 4:889-891 Ap '65.

System  $\text{TaCl}_5$  -  $\text{NbCl}_5$  -  $\text{NaCl}$  -  $\text{KCl}$ . N. D. Chikanov, A. P. Paikin. Zhur. neorg. khim. 10 no. 5:158-162 My '65.

## TANTALUM COMPOUNDS

Tantalum oxalate complexes. A. K. Babko, V. V. Lukachina, B. I. Nabisanets. Zhur. neorg. khim. 10 no. 4:855-876 Ap '65.

## TANTALUM SULFATE

Tantalum sulfates. I. A. G. Goroshechenko, M. I. Andrieva. Zhur. neorg. khim. 10 no. 4:859-860 Ap '65.

## TAPE AND WIRE RECORDERS AND RECORDING see Magnetic recorders and recording

## TAPINOCEPHALIDAE

New data on Utemosaurus. L. P. Tatarinov. Paleont. zhur. no. 2:93-108 '65.

## TAPS AND DIES

Simple design of a changeable collet for taps. M. P. Kozlov. Mashinostroenie no. 2:30 Mr-Apr '65.

## TAR

Catalytic processing of tar obtained in the dehydrogenation of butane. D. A. Aliev. Nefteper. i neftekhim. no. 1:33-37 '65.

Photometric method for determining the content of tar in transformer oil. A. P. Litogub, A. I. Groshev. Neft i gaz, prom. no. 2:51-52 Ap-Je '65.

## TARGETS (MILITARY SCIENCE)

Stay time of a target in a region of search. K. O. Dubavin, P. A. Sirodin. Mor. sbor. 48 no. 8:62-67 Je '65.

## TARTARIC ACID

Complex compounds of trivalent cerium and trivalent europium with tartaric acid. A. V. Stepanov, V. P. Shvedov, A. P. Rozhnov. Zhur. neorg. khim. 10 no. 6:1379-1387 Je '65.

Complex formation in solutions of tartaric and boric acid mixtures. E. Shvarts, A. Meiste, A. Levinsh. Zhur. neorg. khim. 10 no. 5:1183-1185 My '65.

Reaction of thiolium and rare-earth elements with tartaric acid when present together. O. E. Zviagintsev, V. P. Tikhonov. Zhur. neorg. khim. 10 no. 4:994-996 Ap '65.

## TARTU—AMATEUR THEATRICALS

Example of Tartu. S. Levin. Teatr 26 no. 4:122-123 Ap '65.

## TASHKENT—AGRICULTURAL COLLEGES

Higher agricultural education in Turkmenistan. A. K. Rustamov. Vest. sel'khoz. nauk. 8 no. 6:27-30 Ag '63.

## TASHKENT—LAW ENFORCEMENT

Notariate and the prevention of law violations. P. Eliseikin, A. Beloglazov. Sots. zakon. 42 no. 6:40-41 Je '65.

## TASHKENT—NOTARIES

Notariate and the prevention of law violations. P. Eliseikin, A. Beloglazov. Sots. zakon. 42 no. 6:40-41 Je '65.

## TASHKENT—THEATER

People and "passions." I. Vasillina. Teatr 26 no. 5:70-73 My '65.

## TASHKENT REGION—TREES, FOSSIL—ANALYSIS

Composition of a fossil tree from the Tashkent region. M. I. Ismailov, A. B. Plakina, A. Sattarov. Zap. Uz. otd. Vses. min. ob-va no. 16:88-95 '64.

## TASTE

Electrophysiological analysis of the functional mobility and of processes regulating the taste receptor apparatus. A. I. Esakov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:43-44 '64.



- TATAR A.S.S.R.—ELECTRIC PROSPECTING**  
Dependence of self-potentials ( $U_{sp}$ ) in wells on the oil saturation of terrigenous rocks in Tatarstan R S Khammatov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 107-116 '63  
Methods for the interpretation of magnetic field formation data under conditions in the northwestern Tatarstan K M Ten. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 32-38 '63
- TATAR A.S.S.R.—FRUIT CULTURE**  
Distribution of fruit growing in the Tatar A.S.S.R. S Sh. Salimzhanov. Sbor. nauch. rab. NII sad. no. 10 24-27 '64
- TATAR A.S.S.R.—GAS, NATURAL—GEOLOGY**  
Geophysical characteristics of the northwestern regions of the Tatar A.S.S.R. in connection with planning oil and gas prospecting. A G Salikhov, I M Urazayev, B M Iusupov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 69-76 '63
- TATAR A.S.S.R.—GEOLOGY, STRATIGRAPHIC**  
Using certain geochemical factors in the detailed correlation of Terrigenous sections. A. N. Petrovskaya, A. I. Volodchenkova. Trudy VNII no. 43 310-319 '65.
- TATAR A.S.S.R.—GEOLOGY, STRUCTURAL**  
Abyssal structure of the basement of the northern regions of Tatarstan and prospecting methods for local structures based on the materials of detailed and high-precision gravity prospecting. A G Salikhov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 151-173 '63
- TATAR A.S.S.R.—GRAVITY ANOMALIES**  
Some results of the quantitative interpretation of gravity anomalies in the western slope of the southern dome in the Tatar Arch. N S Evgrafov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 84-86 '63
- TATAR A.S.S.R.—GRAVITY PROSPECTING**  
Abyssal structure of the basement of the northern regions of Tatarstan and prospecting methods for local structures based on the materials of detailed and high-precision gravity prospecting. A G Salikhov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 151-173 '63  
Interpretation of the materials of detailed gravimetric surveying in Tatarstan. A G Salikhov, L A Zharkova, G F Kuznetsov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 144-150 '63  
Some results of gravity and magnetic studies in the central part of the Kama Valley in the Tatar A.S.S.R. G F Kuznetsov. Izv Kazan fil AN SSSR Ser. geol. nauk no 10 77-81 '63
- TATAR A.S.S.R.—KINDERGARTENS**  
In the use of kindergartens of Tataria. N. Khammatova. Doshk. vosp. 38 no 6 79-80 Je '65
- TATAR A.S.S.R.—MAGNETIC ANOMALIES**  
Study of the subsurface structure of the northern dome of the Tatar Arch based on aeromagnetic surveying. N. S. Evgrafov. Izv. kazan. fil. AN SSSR. Ser. geol. nauk no. 10 126-129 '63.
- TATAR A.S.S.R.—MAGNETIC PROSPECTING**  
Some results of gravity and magnetic studies in the central part of the Kama Valley in the Tatar A.S.S.R. G F Kuznetsov. Izv. Kazan fil. AN SSSR. Ser. geol. nauk no. 10 77-81 '63
- TATAR A.S.S.R.—PETROLEUM GEOLOGY**  
Characteristics of the producing sediments of the Devonian of the Tatar A.S.S.R. and Bashkiria according to the magnitudes of the ratios  $V_{cl}$  and  $Cu$  in clay materials, determined by spectral analysis. E. P. Volovikovskaya, N. A. Vazerskaya. Trudy VNII no. 43: 278-300 '65  
Geophysical characteristics of the northwestern regions of the Tatar A.S.S.R. in connection with planning oil and gas prospecting. A G Salikhov, I M Urazayev, B M Iusupov. Izv Kazan fil AN SSSR Ser. geol. nauk no. 10 68-76 '63.  
Possibility of using the method of palynological analysis for the detailed correlation of the Pashlya series of the southeast of the Tatar A.S.S.R. with similar sediments in western Bashkiria. N G Pykhova. Trudy VNII no. 43 332-339 '65.  
Towards a methodology of field prospecting for the oil fields of the Lower-Kama region of the Tatar A.S.S.R. R. I. Shekhter, A. P. Choporov. Trudy VNII no. 43: 157-177 '65.  
Using certain geochemical factors in the detailed correlation of Terrigenous sections. A. N. Petrovskaya, A. I. Volodchenkova. Trudy VNII no. 43 310-319 '65.
- TATAR A.S.S.R.—SCHOOL SUPERVISION**  
Reorganizing the methods of supervision. M. Makhmutov. Nas. obr. no. 7 24-27 Ji '65
- TATAR A.S.S.R.—SEISMIC PROSPECTING**  
Results of studying the velocity of the propagation of elastic waves in the rocks of crystalline basement in the Tatar A.S.S.R. V L Zubkov. Izv. Kazan fil. AN SSSR. Ser. geol. nauk no. 10 95-101 '63.
- Some data on the regional change in the velocity of the propagation of elastic waves in the deposits of sedimentary cover in Tatarstan V L Zubkov. Izv Kazan fil AN SSSR. Ser. geol. nauk no 10 87-95 '63
- TATAR A.S.S.R.—TYPHOID FEVER**  
Epidemiology of group infection with typhoid fever in the Tatar A.S.S.R. I. Z. Mukhutdinov. Zhur. mikrobiol., epid. i immun. 42 no 1 143-147 Ja '65.
- TATAR A.S.S.R.—WOMEN**  
Smirnova, V. N. [Women of Tataria in the struggle for the Soviet government] Zhenskinye Tatarii v bor'be za vlast' Sovetov. [Kazan'] Izd-vo Kazanskogo univ., 1963- (CS-1-H)
- TATAR LANGUAGE**  
Kazan. Gosudarstvennyi pedagogicheskiy institut, Kafedra tatarskogo iazyka i literatury. [Tatar language and literature, scientific articles] Voprosy tatarskogo iazyka i literatury, sbornik nauchnykh statei, Kazan', 1963, 190 p. [In Tatar and Russian]
- TATAR LANGUAGE—STYLE**  
Khakov, Vakhim. [Introduction of the stylistics of the Tatar language] Vvedenie v stilistiku tatarskogo iazyka [Kazan'] Izd-vo Kazanskogo univ., 1963, 168 p. [In Tatar]
- TATAR LITERATURE—HISTORY AND CRITICISM**  
Kazan. Gosudarstvennyi pedagogicheskiy institut, Kafedra tatarskogo iazyka i literatury. [Tatar language and literature, scientific articles] Voprosy tatarskogo iazyka i literatury, sbornik nauchnykh statei, Kazan', 1963, 190 p. [In Tatar and Russian]
- TAXICABS** see subdivision under Minsk
- TAYMYR (KRASNOYARSK TERRITORY)—AGRICULTURE**  
At the remote Taymyr V. Kazanskii NTO 7 no 5 45-46 My '65
- TAYMYR ISLAND—ROCKS, IGNEOUS**  
Relationship between the concepts "intrusive" and "magmatic" as revealed by a study of Pre-Cambrian porphyritic granites in the Taymyr Island. L. V. Makhiev. Geol. i geofiz. no 1 143-150 '65.
- TAYMYR NATIONAL AREA—FUR-BEARING ANIMALS—DISEASES AND PESTS**  
Toxinfection on fur farms in the Taymyr. V. N. Borisov, S. T. Bondareva, Veterinarlia 41 no. 4 43-44 Ap '65.
- TAYMYR PENINSULA—ANIMAL POPULATIONS**  
Some characteristics of the animal population in spotted tundras. I. I. Chernov. Zool. zhur. 44 no. 4 507-512 '65.
- TBILISI** see Tiflis
- TEA INDUSTRY** see subdivision under Azerbaijan
- TEACHER-STUDENT RELATIONSHIP**  
Teacher in my life. O. Kiseleva and others. Nar. obr. no. 6 31-40 Je '65.  
Training through a subject. V. P. Leonardo. Sred. spets. obr. 12 no 3 30-31 Mh '65
- TEACHERS**  
(see also subdivision under Latvia)  
Half a century with children. L. Brodskaya, Doshk. vosp. 38 no 6 74-77 Je '65.  
I want to be like her. V. Kardasova. Doshk. vosp. 38 no. 5 72 My '65.  
Nursery school and kindergarten teachers. Z. Pakhomova. Doshk. vosp. 38 no. 5 52 My '65  
Parents are grateful to her. V. Shatikhin. Doshk. vosp. 38 no 4 78 Ap '65
- TEACHERS—SALARIES, PENSIONS, ETC.**  
New remuneration conditions for workers of the educational institutions. V. Mizinov. Avi. transp. 43 no. 2: 40-41 F '65.  
Salaries of the workers of preschool institutions L. Russkova. Doshk vosp. 38 no. 4 46-47 Ap '65.
- TEACHERS, TRAINING OF** see subdivision under Leningrad Province
- TEACHING**  
(see also subdivision under Belgorod Province; Rostov Province; Simferopol')  
Decisive prerequisites of successful teaching. M. Enikeev. Nar. obr. no 7 46-49 Ji '65.  
Differentiated approach in working with students. N. G. Utkina. Nach. shkola 33 no. 5 39-42 My '65.  
Experiment goes on. A. A. Ljubinskaya. Nach. shkola 33 no 4 71-75 Ap '65.  
Forms and methods of teaching older students. K. Naumkin. Nar. obr. no. 6 88-90 Je '65.  
Independent work. L. V. Iasakova. Nach. shkola 33 no. 4 34-38 Ap '65
- It is possible to work without repeating students. M. N. Rumege. Nach. shkola 33 no. 5 60-63 My '65.  
Let's make wide use of our experience. I. T. Zain. Nar. obr. no 7 30-31 Ji '65.  
Let's work without repeating students. Nach. shkola 33 no 6 93-95 Je '65.
- Moshnin, I. D. [The pedagogical element in party work] Element pedagogiki v partiinoy rabote. Moskva, Politizdat, 1965. 78 p. (Voprosy partiinogo stroitel'stva)  
"Pedagogical lectures" of 1965. A. M. Nirova, A. N. Matveeva. Nach. shkola 33 no. 6 91-93 Je '65  
Problems and requirements of pedagogics. A. Keimian. Nar. obr. no 6 92-93 Je '65.  
Some methods of the struggle against repeating students. A. Gridnev. Nar. obr. no 7 42 Ji '65  
Some problems of the further improvement of the educational process. V. Stetsikov. Nar. obr. no 7 6-15 Ji '65.  
Study, generalization and inculcation of progressive pedagogical practices. M. Skatkin. Nar. obr. no. 7 insert 1-16 Ji '65.  
Way to success of a small-school teacher. Z. V. Kopacheva, N. I. Krotkova. Nach. shkola 33 no. 5 49-49 My '65.
- TEACHING MACHINES**  
Machines as teacher's help. V. Kuzmina. I. Prirodit. Nar. obr. no. 7 122-126 Ji '65.
- Prokof'ev, A. V. [Programmed teaching. Programmed textbooks. Teaching machines] Programmirovannoe obuchenie. Programmirovannyye uchebniki. Mashiny dlia obucheniia. Moskva, Voenizdat, 1965, 181 p.
- TECHNICAL ASSISTANCE, AMERICAN**  
From the history of proletarian solidarity. V. I. Lenta and the Society for Technical Aid to Soviet Russia of the United States and Canada. L. I. Pichkova. Vop. ist. KPSS 8 no 7 102-105 Ji '65.
- TECHNICAL ASSISTANCE, RUSSIAN** see subdivision under Underdeveloped Areas
- TECHNICAL CHEMISTRY** see Chemistry, Technical
- TECHNICAL EDUCATION**  
(see also subdivision under Armenia, Moscow; Nizhny, Tselinograd)  
Greenhous become acquainted with the shop. V. Snytkin. Agitator 33 no 11 25 Je '65.  
Joys and troubles of industrial training: from the experience of two universities. I. I. Denisov, M. P. Mal'kov. Vest. vyz. shkol 23 no. 6 32-30 Je '65.  
People's university of science and technology. M. Filipov. NTO 7 no. 5 52-54 My '65.
- TECHNICAL EDUCATION—FINANCE**  
Material incentives for training the labor supply. L. Tul'chinskii. Fin. SSSR 39 no. 6 26-31 Je '65.
- TECHNICAL LIBRARIES**  
(see also subdivision under Moscow)  
Libraries of the country assist in the chemization of the national economy: the V. I. Lenin State Library of the U.S.S.R., the Moscow Province Library, technical libraries of the West Ural Economic Council, libraries of Kalinin Province, the Voronezh Province Library. Bibliot. SSSR no. 26 3-28 '64.
- TECHNICAL SOCIETIES**  
(see also subdivision under Armenia)  
At the Scientific Technological Society of the Instrument Industry. Priboirostroenie no. 5 30-32 My '65.  
From scientific circles to the All-Union Society. S. Dmitriev. NTO 7 no. 5 61-63 My '65.  
Important link in the system of scientific and technological societies. NTO 7 no. 5 59-60 My '65.
- TECHNOLOGICAL INNOVATIONS**  
(see also subdivision under Armenia; Krasnoy Economic region; Ukraine; Ural'sk; Voronezh Province)  
At the artistic design bureau. Prom. Arm. 8 no. 4 93-64 Ap '65.  
Author's certificates and patents. Mashinostroenie no. 2 103-106 Mr-Apr '65.  
For you, builders. Okhr. i izda. i soz. strakh. 8 no. 4 16-10 Ap '65.
- Fourth All-Union Public Inspection of the Fulfillment of the Plans of Scientific and Technical Research Work and of the Application of the Achievement of Science and Technology in the National Economy. Sakh. prom. 39 no. 4 76-77 Ap '65.  
How to register suggestions (a consultation). A. Kondrat'ev. Ekon. Rad. Ukr. 8 no. 6 84-85 Je '65.  
In the U.S.S.R. Prom. Arm. 8 no. 4 100-70 Ap '65.  
New developments in the Soviet science and technology. NTO 7 no 5 50-51 My '65.  
Provide new and modern machinery for the communal economy. I. Makhnovskii. Zhil. i kom. khoz. 15 no. 4 10-11 Ap '65



## TELEVISION MEASUREMENTS (Continued)

Investigating the beam efficiency and secondary emission in a vidicon. V. L. Makdonoski, R. M. Stepanov. Tekh. kino i telev. 9 no. 4:24-28 Ap '65.

## TELEVISION MUSIC

"Night train." D. Romadinova. Sov. muz. 29 no. 3: 37-41 Mi '65.

With a pencil at the screen. P. Gurvich. Sov. muz. 29 no. 3:99-100 Mi '65.

## TELEVISION PICTURE TUBES

Kostinski, A. D., I. S. Marchenko, and L. V. Traube. [Kinescopes, design, technology and testing methods] Kineskopy, konstruktسيا, tekhnologiya i metody ispytaniy. Kiev, Tekhnika 1965. 279 p.

## TELEVISION PLAYS

Seventh companion. L. Golovnia. Teatr. 26 no. 5:113-116 My '65.

The television camera and the actor. K. Marinkina. Teatr. 26 no. 5:110-112 My '65.

## TELEVISION PROJECTION

Design and calculation of Schmidt lenses for television projection. R. V. Voronov. Tekh. kino i telev. 9 no. 3: 38-42 Mr '65.

Formation of the silhouette signal in the system of the electron rear projection. B. P. Khromov, V. N. Ushakov, M. S. Samarin. Tekh. kino i telev. 9 no. 6: 1-7 Je '65.

## TELEVISION STATIONS

Central apparatus of a television station. N. G. Galashova, N. R. Katsnel'son. Tekh. kino i telev. 9 no. 3: 25-34 Mr '65.

Increasing the operating range of a mobile television station. B. Kh. Saul. Vest. svyazi. 25 no. 2:9-10 F '65.

## TELEVISION STATIONS—EQUIPMENT AND SUPPLIES

Device for printing footage numbers. Z. B. Shernan. Tekh. kino i telev. 9 no. 6: 63-64 Je '65.

## TELEVISION STUDIOS—ELECTRIC EQUIPMENT

Relay voltage distributor. I. B. Pereslavtsev. Tekh. kino i telev. 9 no. 6: 62-63 Je '65.

## TELLURIC ACIDS

Telluric-tungstic heteropoly acids in hydrochloric and sulfuric acid media. E. Sh. Ganelina, N. I. Nerevatskaya, Zhur. neorg. khim. 10 no. 4:894-899 Ap '65.

## TELLURIUM—ANALYSIS

Determination of selenium, tellurium, and gold in gold-containing electrolyte slimes. V. M. Tarafan, Zh. M. Arslanian. Izv. AN Arm. SSR, Khim. nauki. 17 no. 6: 623-630 '64.

## TELLURIUM—ELECTROMETALLURGY

Economics of the production of selenium and tellurium. V. N. Leksin, A. G. Tokareva. TSvet. met. 38 no. 3: 69-75 Mr '65.

TELLURIUM-GERMANIUM ALLOYS see Germanium-tellurium alloys

TEMPERATURE see subdivision under Parents Sea

TEMPERATURE—EFFECT ON METALS see Metals, Effect of temperature on

TEMPERATURE—EFFECT ON PLANTS see Plants, Effect of temperature on

## TEMPERATURE—PHYSIOLOGICAL EFFECT

Effect of temperature on the development of microorganisms from flooded layers of the Romashkino Oil Field. V. A. Kuznetsova, V. M. Gorlenko. Mikrobiologiya. 34 no. 2:329-334 Mr-Apr '65.

Effect of temperature on the kinetics of the adrenergic reaction. B. N. Manukhin. Biokhimiya. 30 no. 1:7-

ring of  
'da),

## TEMPERATURE REGULATORS

Automatic start of the "Amun" machine. V. I. Alekseev, V. A. Raikhlin. Khol. tekhn. 12 no. 1:48 Ja-F '65.

Dynamic properties of thermocouples. V. G. Dianov, A. D. Bershadskii. Trudy MINKHGP no. 52:93-98 '64.

Experience in the automatic control of thermal conditions of a large-capacity open-hearth furnace. I. U. N. Tuluyskii and others. Metallurg. 10 no. 6:20-22 Je '65.

## TEMPORAL BONE

Position of the pyramids of the temporal bones. N. F. Sinegov. Arkh. anat. gist. i embr. 48 no. 3:78-83 Mr '65.

## TENSIMETRY

Mobile tensiometric laboratory. V. P. Usimchenko. Sbornik po mekhan. i elekt. sel'khoz. proizv. no. 6:99-101 '63.

## TENT CATERPILLAR—DISEASES AND PESTS

Microsporidiosis of Dendrolimus. Report No. 1. V. I. Poltev, V. T. Sulimov. Izv. SO AN SSSR no. 12:501 biol.-med. nauk no. 3:150-151 '64.

## TEREK PROVINCE—HISTORY

Kuchlev, V. D. [Soviets of Terek Province during the period of preparation for the Great October Socialist Revolution, March-October 1917] Sovety Terskoi oblasti v period podgotovki Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii, mart-oktiabr' 1917 g. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1964. 49 p.  
(CS-11)

## TEREKHOVA, MARGARITA

Rita Terekhova, you're out. Georgii Polonskii. Teatr. 26 no. 1:94-95 Ja '65.

## TEREPHTHALIC ACID

Spectrophotometric determination of small additions of aromatic carboxylic acids in terphenylic acid. G. I. Romantsova. Zhur. prikl. spekt. 2 no. 3:268-272 Mr '65.

## TERMS AND PHRASES

Quantitative analysis of the terminological facility of a vocabulary. L. G. Kravets. NTI no. 2:27-28 '65.

## TERPHENYL

Synthesis of 4-methoxy-p-terphenyl. S. A. Vaidanian, A. G. Vaidanian. Izv. AN Arm. SSR, Khim. nauki. 17 no. 4:428-430 '64.

## TERPIGOREV, ALEKSANDR MITROFANOVICH, 1873-1959

Rozentref, B. A. [Aleksandr Mitrofanovich Terpigorev, 1873-1959, essay on his life and work] Aleksandr Mitrofanovich Terpigorev, 1873-1959, ocherk zhizni i delatel'nosti. Moskva, Nauka, 1965. 182 p.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

## TENSKEL ALTAU—PEAS

Pea yield as related to the time, methods, and rates of sowing in the Terskel Altai. K. Rotangaziev. Vest. sel'khoz. nauki [Kazakh]. 8 no. 2:11-16 F '65.

## TESTICLE

Cytochemical study of the testes in fishes. Report No. 1: Nucleic acids, proteins and polysaccharides. N. A. Butskala. Arkh. anat., gist. i embr. 48 no. 4:17-23 Ap '65.

## TESTING MACHINES

Automatic recording of the damages of friction surfaces of gear wheels. M. L. Turovskii, Mashinostroyeniye no. 3:87-90 My-Je '65.

Methods for comparative studies of the wear resistance of metallized coating using friction machines designed by the Leningrad Polytechnic Institute. V. M. Kriazhkov. Zap. Len. sel'khoz. inst. 85:30-35 '61.

New devices for testing synthetic materials. B. M. Gershkovich, N. V. Chepik, V. N. Rechmenskii. Stroitel. 11 no. 4:17-20 Ap '65.

Unit for the testing of experimental models of welded thin-walled vessels under double axial tension. S. A. Kurkin and others. Svar. protzv. no. 5:9-11 My '65.

## TETANUS

Effect of vitamin B<sub>12</sub> on immunogenesis in experimental immunization with tetanus anatoxin. F. R. Tashmukhamedov. Zhur. mikrobiol., epid. i immun. 42 no. 1:37-41 Ja '65.

Effectiveness of tetanus component in sorbed diphtheria and tetanus anatoxin. N. S. Kashtintseva, I. K. Dzharova, E. A. Gulgut. Zhur. mikrobiol., epid. i immun. 42 no. 1:10-13 Ja '65.

Experimental tetanus intoxication as a model for the study of neurophysiological processes. G. N. Kryzhanovskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 7:57-59 '64.

Posttetanic changes in reflex responses of the ventral root to rhythmic stimulations of an afferent nerve. K. S. Pr. edtecheskaya. Fiziol. zhur. 51 no. 6:749-754 Je '65.

Posttetanic potentiation of polysynaptic reflexes in various segments of the spinal cord in frogs. E. D. Antoshkin, L. V. Nadezhkin. Fiziol. zhur. 51 no. 4: 466-471 Ap '65.

Role of phagocytosis in the pathogenesis of tetanus. G. G. Sokolovskaya. Zhur. mikrobiol., epid. i immun. 42 no. 1:11-14 Ja '65.

Toxicogenic properties of Clostridium tetani strains isolated from external environment. I. I. Sergeeva, M. I. Orlov, Zhur. mikrobiol., epid. i immun. 42 no. 1: 112-117 Ja '65.

## TETRACYCLINE

Biological synthesis of tetracycline and its derivatives. T. N. Iarukova, V. G. Makarevich. Antibiotiki. 10 no. 5:390-395 My '65.

Dynamics of the penetration of tetracycline and streptomycin into macrophages cultivated in vitro. O. N. Ekzemilayov. Antibiotiki. 10 no. 5:125-127 My '65.

Effect of indopan, a monoamine oxidase inhibitor, on the sensitivity of white mice and rats to tetracycline and pneumococcal infection. Z. A. Popenenkova, I. V. Guseva. Antibiotiki. 10 no. 5:132-135 My '65.

Effect of tetracycline on the inflammation focus produced in rats by a subcutaneous injection of a staphylococcal culture. A. M. Chernukh, A. M. Prokhorova. Pat. fiziol. i eksp. terap. 8 no. 6:43-48 N-D '61.

Experimental and clinical studies on ointments containing tetracycline. L. K. Rubtsova and others. Antibiotiki. 10 no. 5:472-475 My '65.

Tetracycline series. Report No. 34: Synthesis of 2-decarboxyamido-4-dedimethylamino-8,10,12-trideoxy-6-demethyl-11,12-dihydroxytetracycline, an analog of 6-demethyltetracycline. I. G. Dolanov, M. N. Kolosov, M. M. Shemakina. Izv. AN SSSR, Ser. khim. no. 6:1039-1044 '65.

## TETRAZOLIUM COMPOUNDS

Synthesis, properties, and use in histochemistry of tetrazolium salts with electron-acceptor substituents. A. A. Prishchikov, V. M. Ostrovskaya, N. T. Raikhlin. Trudy IREA no. 25:130-148 '63.

## TETROCORALLA

Commensalism in colonial tetracorals. A. G. Kravtsov. Paleont. zhur. no. 2:126-128 '65.

## TETYUKHE REGION (MARITIME TERRITORY)—ROCKS, IGNEOUS

Baskina, V. A. [Igneous activity of the Tetyukhe region (southern Maritime Territory) and the characteristics of the development of some volcano-plutonic formations] Magmatizm Tolyukhinskogo raiona (Tolyukhe Primor'e) i zakonomenosti razvitiya nekotorykh vulkano-plutonicheskikh formatsii. Moskva, Nauka, 1965. 210 p.

## TEXTBOOKS

What textbooks for correspondence students should be like. S. I. Zinov'ev. Vest. vya. shkoly. 23 no. 6:92-96 Je '65.

## TEXTILE FABRICS

Kinetic analysis of the gluing of the materials for clothing and shoe manufacture by means of various adhesives. Report No. 1. S. S. Vnsil'ev, V. S. Mentsov. Nauch. trudy MTILP no. 30:120-128 '64.

## TEXTILE FABRICS—CLEANING

Girshin, P. I. [Mechanization of fabric cleaning in textile manufacture] Mekhanizatsiya chistki tkan v tekstil'nom proizvodstve. Moskva, Legkaya Industriya, 1965. 77 p.

TEXTILE FACTORIES see subdivision under Chobokary

TEXTILE FACTORIES—DESIGN AND CONSTRUCTION  
Assembling the framing of a textile factory with a spacing of columns 12x18 m. V. T. Ivanovskii, V. Bublikov. Na stroitel. Ros. 6 no. 6:24-25 Je '65.

Designing plants for the production of artificial and synthetic fibers. V. Nechitalov. Stroitel. i arkhit. 12 no. 2:2-6 F '64.

## TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Germany, East)

Effect of the magnitude of spin-stretching on the physicochemical properties of "vinol" fibers. V. I. Rabinovich, K. E. Porepalkin. Khim. volok. no. 2:18-22 '65.

Effect of the orientation of molecular chains on the dielectric anisotropy of fibers. I. Z. Elfer, E. Z. Fainberg, N. V. Mikhailov. Khim. volok. no. 2:48-50 '65.

Elastomer synthetic fibers. A. A. Konkin. Zhur. VKHO. 10 no. 2:152-159 '65.

Increasing the weight of the take-up package. L. N. Popovich, B. I. Ozernikova. Khim. volok. no. 2:68-67 '65.

## TEXTILE FIBERS, SYNTHETIC (continued)

Revolving equipment for processing chemical rope fibers. N. V. Korotkov, I. I. Feduchkova, I. I. Chernikova. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

New method for the control of the impurity of apimmetin. M. A. Dobbin and others. Khim. volokn. no. 158-59 '65.

New methods of processing chemical fibers. V. A. Gulyaev. Zhur. tekhn. no. 144-17 Ap '65.

New review. Khim. volokn. no. 2-10 '65.

High reduction of formaldehyde in the production of "vinol" fibers. I. I. Dobbinov, V. P. Hlin, K. D. Lyanko. Khim. volokn. no. 2-10 '65.

Stretching of synthetic filaments during the drafting process. M. P. Novikov. Khim. volokn. no. 2-10 '65.

One of the latest developments for studying "profile" fibers. M. B. Sigal, M. V. Shadrin, V. A. Vasilchenko. Khim. volokn. no. 2-10 '65.

New method of production of synthetic fibers in 1963. I. P. Ivanov, G. A. Litvinova. Khim. volokn. no. 2-10 '65.

## TEXTILE FIBERS, SYNTHETIC—DYING

Automatic control of moisture in tunnel dyes for synthetic fibers. A. Z. Chibrikova and others. Khim. volokn. no. 2-10 '65.

## TEXTILE FIBERS, SYNTHETIC—TERMINOLOGY

Terminology. Khim. volokn. no. 2-10 '65.

## TEXTILE FIBERS, SYNTHETIC—TESTING

Reproduction of polypropylene fibers. H. M. Malinich, V. A. Gulyaev, V. A. Lyapun, V. A. Gulyaev. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Effect of heat treatment on the properties of polyvinyl chloride fibers. V. D. Pichurin, V. M. Akhmedova, A. B. Pichurin. Khim. volokn. no. 2-10 '65.

Role of the plasticizer in fiber structure under the action of alkali metal solutions. V. I. Lashin. Khim. volokn. no. 2-10 '65.

## TEXTILE PROPERTY

See also subcategory under: Monov. Control competition and the entire method. I. I. Malinich. Khim. volokn. no. 2-10 '65.

## TEXTILE INDUSTRY—EXHIBITIONS see subcategory under: Monov.

## TEXTILE INDUSTRY—LABOR see subcategory under: Volgograd Province

## TEXTILE INDUSTRY—HYGIENIC ASPECTS see subcategory under: Hygienic

## TEXTILE MACHINERY

Control, P. I. [Mechanization of fabric cleaning in textile mills] Mekh. obrab. tekst. volokn. no. 144-17 Ap '65.

See also review. Khim. volokn. no. 3-10 '65.

## TEXTILE

Analysis of ultrasonic waves in the study of the mechanical properties of glass fibers. I. D. Zhdov, V. M. Zhukov. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

## THACKERAY, WILLIAM AMBROSE, 1811-1863

Life and work. Translation of Russian in works by Thackeray and Thackeray. I. A. Thackeray. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

## THEORY OF GROUPS—LETTER PROBLEMS

Letter group of 121 aqueous solutions at 65°C. G. L. Lashin. Zhur. tekhn. no. 144-17 Ap '65.

## THEORY OF GROUPS

Changes in the reaction of sodium with lithium. V. A. Kufina, V. P. Minakov, G. M. Kufina. Zhur. tekhn. no. 144-17 Ap '65.

Reaction of lithium with lithium acetate. V. A. Kufina, H. A. M. Kufina. Zhur. tekhn. no. 144-17 Ap '65.

## THEORY OF GROUPS

Reaction of lithium with lithium acetate. V. A. Kufina, H. A. M. Kufina. Zhur. tekhn. no. 144-17 Ap '65.

## THEORY OF GROUPS—SPECTRA

Excitation spectra of Ti<sup>2+</sup> and Ti<sup>3+</sup> ions. I. I. Lashin, V. M. Gulyaev. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

## THEORY OF GROUPS—SPECTRA

Excitation spectra of Ti<sup>2+</sup> and Ti<sup>3+</sup> ions. I. I. Lashin, V. M. Gulyaev. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

## THEORY OF GROUPS—SPECTRA

Excitation spectra of Ti<sup>2+</sup> and Ti<sup>3+</sup> ions. I. I. Lashin, V. M. Gulyaev. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

## THEATRE

See also subcategory under: Afrika, Azerbaijan, Berlin, France, Greece, Hungary, Komsomolsk-on-Amur, Leningrad, Moldavia, Moscow, Nigeria, Novosibirsk, Novosibirsk, Osh, Paris, Poland, Prague, Tallinn, Tashkent, Tokyo, Turkmenistan, Vilnius, Warsaw, White Russia, Zhitomir.

... And after the stage? M. Bogachevskii. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Briefly about plays. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Chen and theaters. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

System TaCl<sub>5</sub> - NbCl<sub>5</sub> - NaCl - KCl. N. D. Chibrikov, A. P. Palkin. Zhur. tekhn. no. 10 no. 5:158-162 My '65.

Thermal analysis of binary nitride systems. P. I. Prosenko, N. A. Brykova. Zhur. tekhn. no. 10 no. 5:170-174 My '65.

Thermographic and polarizing microscope study of L-aspartic acid. V. A. Usoltseva, I. G. Chistakov, M. D. Nasyrova. Izv. vuz. ucheb. zav. , khim. i khim. tekhn. no. 1:65-68 '65.

## THERMAL STRESSES

One of the problems of thermal stress in oblique sprays of hydrogen. V. A. Kuznetsov. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

## THERMIONIC EMISSION

Effect of strong fields on the thermionic emission of semiconductors. G. I. Chalka. Radiotekhn. i elektron. no. 6:115-122 Je '65.

Emission of positive and negative molecular ions from heated surfaces. I. N. Bakulina, E. A. Zandberg, N. I. Ikonov. Zhur. tekhn. no. 10 no. 5:167-168 My '65.

Thermionic emission of some high melting metals in barium vapors. B. Ch. Dzhuba. Radiotekhn. i elektron. no. 6:111 Je '65.

## THERMOCHEMISTRY

Dissociation thermochimistry of nitrilo triacetic acid in an aqueous solution. P. M. Mitukov, N. V. Polenova. Izv. vuz. ucheb. zav. , khim. i khim. tekhn. no. 1:42-46 '65.

Kinetics of the thermal decomposition of alkali metal nitrites. P. I. Prosenko, I. A. Rodushkova. Zhur. tekhn. no. 10 no. 5:125-129 My '65.

Thermochemical transformations of barium and calcium iodides in the inert oxidizing reducing media. V. V. Puchkovskii, A. V. Sofronova. Zhur. tekhn. no. 10 no. 6:127-132 Je '65.

Thermochimistry of the complex formation of some ions of rare-earth elements and yttrium with ethylenediaminetetraacetate. V. A. Korotkova, G. A. Prik. Zhur. tekhn. no. 10 no. 1:84-85 Ap '65.

Thermodynamics of the reaction of zirconium dioxide with alkali metal chlorides in molten. M. V. Shadrin, V. A. Kudakov. Zhur. tekhn. no. 10 no. 5:120-121 My '65.

## THERMOCOUPLES

Dynamic properties of thermocouples. V. G. Dianov, A. I. Beshchikov. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Measuring quick changing fuel temperature at a high pressure. I. A. Ponomarev, B. K. Gumbatov. Izv. tekhn. no. 2:35-38 '65.

Protective thermocouple sheath for continuous temperature control of molten metals. G. V. Samsonov, P. S. Kityay. Ogneupory no. 4:20-32 '65.

Temperature measurement in a converter bath. I. G. Gulyaev and others. Metallurg. no. 6:22-23 Je '65.

## THERMOCOUPLES—TESTING

Bridge method for comparing noble-metal thermocouples. V. A. Palkin. Izv. tekhn. no. 2:33-35 '65.

## THERMODYNAMICS

Complete thermodynamic characteristics of electrode processes involving rare-earth and actinide elements. G. A. Krentov. Radiotekhn. i elektron. no. 7 no. 1:60-78 '65.

Determining the temperature of a fluid along the axis of the column in pressure wells. S. A. Shadrin, I. P. Kozlov. Izv. AN Azerb. SSR, Ser. fiz. i mat. nauk. no. 6:11-13 '61.

Thermodynamic studies at low temperatures. D. O. Gumbatov, V. N. Kostukov, B. K. Gumbatov. Izv. AN Azerb. SSR, Ser. fiz. i mat. nauk. no. 1:53-58 '65.

## THERMOELECTRIC GENERATORS

Thermoelectric batteries with lowered height thermoelements. V. A. Nuzov, M. N. Tomashevich. Khol. tekhn. no. 1:27-29 Ja '65.

## THERMOMAGNETISM

Theory of nonresonant electron streams in a quantized magnetic field. P. S. Zyrinov, V. I. Kulikov. Fiz. tverd. tel. no. 6:1719-1755 Je '65.

## THERMOMETRY

Measurement of temperature differences in the regeneration of air separation plants. V. D. Davydov, S. L. Filchen. Tekh. tekhn. inform. Gos. nauch.-issled. inst. khim. volokn. no. 144-17 Ap '65.

Thermographic unit with simultaneous recording of the pressure of the system. B. A. Shikhov. Khim. tekhn. no. 2:78-79 Ap-Je '65.

## THERMOPLASTICS

Finishing furniture by thermoplastics. V. M. Prodenenko, V. N. Chirapanov. Bum. i der. prom. no. 2:46-51 Ap-Je '65.

Infrared heating of sheet thermoplastic. I. V. Nikitin and others. Zhur. prikl. khim. no. 33 no. 4:864-870 Ap '65.

Soft thermoplastic materials for the interior decoration of the means of transportation. T. Fechkova. Tekh. tekhn. no. 4:18-21 Ap '65.

## THERMOPLASTICS—MOLDING

Conditions of feed maintenance in pressure casting of thick-walled products made from thermoplastics. R. I. Mamedov, L. F. Kanavets. *Plast. massy* no. 4:27-31 '65.

## THIAMINE

Comparison of thiamine phosphate and free thiamine assimilation. A. G. Mazhul', S. S. Brushko, V. M. Berezovskii. *Vop. pit.* 23 no. 6:77-80 N-D '64.

## THIAZOLIDINEDIONE—SPECTRA

Synthesis of thiazolidone derivatives of biological interest. Part 22: Infrared absorption spectra of pseudothiohydantoin and 2,4-thiazolidinedione. N. M. Turkevich, A. F. Minka. *Zhur. ob. khim.* 35 no. 5:884-885 My '65.

## THIAZOLIUM COMPOUNDS

Formation of sedoheptulose-7-phosphate in pigeon tissues in acute B<sub>12</sub> avitaminosis caused by oxythiamine. R. V. Trebukhina, I. U. M. Ostrovskii. *Biokhimiia* 29 no. 4: 669-674 J1-Ag '64.

## THIN LAYER CHROMATOGRAPHY

Use of thin layer chromatography for identifying natural coumarins and furcoumarins. G. A. Kuznetsova, L. V. Kuz'mina. *Rast. res.* 1 no. 1: 149-151 '65.

## THIOCYANATES

Approximate theoretical or (semimolecular) analysis of vibrations of SCN coordination groups. I. U. A. Kharitonov, G. V. TSintsadze, M. A. Porai-Koshits. *Zhur. neorg. khim.* 10 no. 4:792-801 Ap '65.

Cadmium and zinc thiocyanogenates. K. R. Manolov. *Zhur. neorg. khim.* 10 no. 5:1280-1282 My '65.

Complex thiocyanates of univalent thallium. F. I. Kul'ba, V. E. Mironov, G. Mrniakova. *Zhur. neorg. khim.* 10 no. 6:1393-1398 Je '65.

Determination of the surface area of tetrathiocyanomercaptates by the isotope exchange method. A. V. Nikolaev, V. A. Gligor'ev. *Radiokhimiia* 7 no. 2:252-253 '65.

Polarographic behavior of 5-substituted furfuryl thiocyanates. I. A. Stradyn', A. I. Urashkev, G. Reikhsmanis. *Zhur. ob. khim.* 35 no. 6:768-773 My '65.

Synthesis and transformations of polyhydric alcohols. Part 2: Synthesis of trimethylololthane thiocyanates, pentaerythritol and its derivatives. M. F. Shostakovskii, A. S. Atavin, A. N. Mirskova. *Zhur. ob. khim.* 35 no. 5:807-809 My '65.

## THIOCYANIC ACID

Mechanism of the extraction of thiocyanic acid and zincium and hafnium thiocyanates into diisomyl methylphosphinate. O. A. Sinogubova, G. A. Iagodin. *Zhur. neorg. khim.* 10 no. 5:1250-1253 My '65.

Reaction of aromatic and heterocyclic thiocyanate derivative with diethyl and triethyl phosphites. V. G. Pegin', I. G. Vitenberg. *Zhur. ob. khim.* 35 no. 5:930 My '65.

## THIOLS

Functions of thiol groups of aspartic-glutamic transaminase. O. L. Polianovskii, N. Telegdi. *Biokhimiia* 30 no. 1:174-182 Ja-F '65.

## THIOPHENE

Effect of thiophene on the properties of Pd-, Rh-, Ru-, and Pt-Al<sub>2</sub>O<sub>3</sub> catalysts under conditions of cyclohexane dehydrogenation. Kh. M. Minachev, D. A. Kondrat'ev, P. I. Silundiaev. *Izv. AN SSSR. Ser. khim.* no. 6:890-1003 '65.

## THIXOTROPY

Thixotropy in organic suspensions of bentonite and aerosil. N. I. Serafi, P. I. Zubov, L. V. Ivanova. *Koll. zhur.* 27 no. 2:259-263 Mr-Ap '65.

## THORACIC ARTERY—LIGATURE

Collateral blood circulation of the heart following ligation of the internal thoracic artery. G. K. Borelsko, V. A. Chernova. *Ark. anat., gist. i embr.* 47 no. 10:36-39 O '64.

## THORIUM

Extraction separation of thorium and protactinium. N. P. Rudenko, Abdel' Gayad Saed, A. V. Lapitaki. *Radiokhimiia* 7 no. 1:32-33 '65.

Reaction of thorium and rare-earth elements with tartaric acid when present together. O. E. Zviaginsev, V. P. Tikhonov. *Zhur. neorg. khim.* 10 no. 4:894-898 Ap '65.

## THORIUM COMPOUNDS

Complex formation of thorium with 8-hydroxyquinoloxime and caproic acid. N. P. Rudenko, I. N. Kremenskaya, V. N. Avilina. *Zhur. neorg. khim.* 10 no. 5:1160-1165 My '65.

Mixed cyclocomplex formation in the system thorium (IV)-cupferron-4'-nitro-2, 2'-dihydroxy-4-methyl-5-isopropylazobenzene. V. M. Dziomko, N. P. Rudenko, I. N. Kremenskaya. *Trudy IREA* no. 28:172-182 '63.

## THORIUM ISOTOPES

Forms of the occurrence of thorium isotopes in ground waters. V. S. Dement'ev, N. G. Syromiatnikov. *Geokhimiia* no. 2:211-218 F '65.

## THORIUM NITRATES

Reaction of thorium nitrate with meta and para-hydroxybenzoic acid anions in aqueous solutions. K. N. Kovalenko, D. V. Kazachenko. *Zhur. neorg. khim.* 10 no. 4:927-933 Ap '65.

## THOUGHT AND THINKING

Bellae, B. V. [Psychological bases for mastering the lexicon of a foreign language; textbook for teachers and students] *Psikhologicheskie osnovy usvoeniia leksiki i inostrannogo iazyka*, posobie dlia prepodavatelei i studentov. Moskva, Prosveshchenie, 1964. 134 p.

Neobehavioristic theory of thinking and the operational conception of Jean Piaget. L. I. Antsiferova. *Vop. psikh. i* 11 no. 2:165-172 Mr-Ap '65.

## THRESHING MACHINES

Increasing wear resistance of the threshing apparatus of the Sh-4 combine. S. A. Mol'nikov, K. G. Stepurskii. *Trakt. i sel'khoz. mash.* no. 5:38-40 My '65.

## THROMBOEMBOLISM

Results of surgical treatment of thromboembolism of mesenteric and main vessels in elderly persons. V. M. Glubokovskaya. *Trudy Inst. im. N. V. Sklif.* 9:146-150 '63.

Thromboembolism of the pulmonary artery in elderly persons. N. I. Bgantsev. *Trudy Inst. im. N. V. Sklif.* 9:141-145 '63.

Thromboembolisms of the pulmonary artery in a cranio-cerebral trauma. N. I. Bgantsev. *Trudy Inst. im. N. V. Sklif.* 8:140-144 '63.

## THROMBOSIS

Characteristics of the clinical course and therapy of postoperative thrombosis in the system of the portal vein. A. I. Lipskii, R. G. Sprintson. *Vest. khir.* 93 no. 11:48-53 N '64.

Diagnosis and treatment of embolism and thrombosis of the pulmonary artery. N. M. Rzaev. *Azerb. med. zhur.* 42 no. 3:25-35 Mr '65.

## THRUSHES

Geographical variability of the rock thrush - *Monticola saxatilis* L. S. Stepanian. *Sbor. trud. Zool. muz. MGU* 9:220-231 '65.

## THURICIDE

Effectiveness of the biological preparations entobacterin-3 and thuricide in the control of the codling moth. V. I. Andreeva. *Sbor. nauch. rab. NIi sad.* no. 10: 148-151 '64.

## THYMUS GLAND

Possible role of histones in controlling glycolysis in the thymus nuclei. V. L. Nemchinskaya, L. Sh. Ganelina, A. D. Braun. *Biokhimiia* 30 no. 1:33-38 Ja-F '65.

Significance of simultaneous tomography in differential diagnosis of the shadow of the thymus gland and of pathological processes in the mediastinum. E. B. Brium. *Vest. rent. i rad.* 40 no. 1:7-12 Ja-F '65.

## THYMUS GLAND—SURGERY

Thymectomy in mice. B. F. Shadrin. *Probl. endok. i gorm.* 10 no. 4:106-107 J1-Ag '64.

## THYROID GLAND

Change in the dominating rhythm of EEG in malignant exophthalmos and their correlation with the function of the thyroid gland. L. P. Latah, D. R. Stul'man. *Probl. endok. i gorm.* 10 no. 4:28-33 J1-Ag '64.

Functional changes in the thyroid gland following a short-distance X-ray therapy of cancer of the facial skin. L. A. Iudin, K. A. Konnov. *Med. rad.* 10 no. 5: 46-51 My '65.

Selfrecording pocket radiometer for studying the state of thyroid function. A. A. Agafonov. *Med. rad.* 10 no. 3:73-78 Mr '65.

Some submicroscopic structures of the thyroid cell. M. P. Gorbunova. *Ark. anat., gist. i embr.* 48 no. 4: 41-44 Ap '65.

Stand for the fixation of rats on a gamma-counter for the determination of the thyroid absorption of radioactive iodine. I. I. Shvaiko. *Probl. endok. i gorm.* 10 no. 4: 104-106 J1-Ag '64.

Study of the functional state of the thyroid gland by means of <sup>131</sup>I-labeled triiodothyronine. V. K. Modestov, A. T. TSyngankov. *Med. rad.* 10 no. 6:11-13 Je '65.

Use of <sup>131</sup>I in the study of the functional state of the thyroid gland. V. K. Modestov, A. T. TSyngankov. *Trudy TSU* 71:56-60 '64.

## THYROID GLAND—BLOOD SUPPLY

Dynamics of the formation of collaterals and functional change in the thyroid gland after the exclusion of its supplying vessels. M. S. Kilpich. *Ark. anat., gist. i embr.* 47 no. 10:76-81 O '64.

## THYROID GLAND—CANCER

Immediate and late results of treating cancer of the thyroid gland. V. M. Timoshnikov. *Sov. med.* 28 no. 1:9-13 Ap '65.

Role of scanning in the diagnosis of malignant neoplasms of the thyroid gland. N. V. Obukhov. *Med. rad.* 10 no. 6:3-11 Je '65.

Significance of the profile scanning method in the diagnosis of malignant tumors of the thyroid gland. V. Z. Agranat, N. V. Obukhov. *Med. rad.* 10 no. 4:7-11 Mr '65.

Substantiation of the method of radiolodine treatment of multiple metastases of cancer of the thyroid gland. E. P. Faltseva. *Med. rad.* 10 no. 5:41-10 My '65.

Use of radioactive isotopes in the diagnosis of malignant tumors of the thyroid gland. B. M. Viturin. *Med. rad.* 10 no. 3:31-37 Mr '65.

## THYROID GLAND—DISEASES

Blood protein fractions in thyrotoxicosis, myeloma, erythremia and their treatment with isotopes. A. L. Kozyreva. *Trudy TSU* 71:110-125 '61.

Cholesterol metabolism in diseases of the thyroid gland in patients treated with <sup>131</sup>I. V. N. Slavnov. *Med. rad.* 10 no. 6:14-18 Je '65.

Comparative evaluation of some radiolodine tests used in the diagnosis of thyroid diseases. A. Kh. Mirkhodzhayev, N. K. Mutatkhodzhaev. *Probl. endok. i gorm.* 10 no. 5:20-32 S-O '64.

Determination of the function of the thyroid gland by the accumulation of tagged triiodothyronine in the erythrocytes. V. K. Modestov and others. *Trudy TSU* 71:11-69 '64.

Lipoproteins of the blood serum in patients with thyrotoxicosis treated with iodine <sup>131</sup>I. V. N. Slavnov. *Med. rad.* 10 no. 5:55-60 My '65.

Study of the functional state of the thyroid gland in erythremia. A. L. Kozyreva, N. I. Milashova. *Trudy TSU* 71:70-72 '64.

Thyroid gland and pregnancy, a review of literature. N. G. TSaitkovskaya. *Probl. endok. i gorm.* 10 no. 5: 99-107 S-O '64.

## THYROID GLAND—RADIOGRAPHY

Goiter and radiological methods of its examination during the preoperative period and at a later time after surgery. L. E. Ponomarev. *Vest. khir.* 93 no. 11:28-35 N '64.

## THYROID GLAND—SURGERY

Case of Recklinghausen's disease associated with a fourth degree mixed goiter complicated by multiple fractures. V. M. Udov, M. F. Nabok, S. I. Topol'nitskaya. *Probl. endok. i gorm.* 10 no. 5:64-65 S-O '64.

Dynamics of the disappearance of bacterial lipopolysaccharide from the blood and formation of endogenous serum pyrogen in normal and thyroidectomized rabbits. O. Sh. Dzheksenbaev. *Bull. eksp. biol. i med.* 50 no. 4: 40-42 Je '65.

Formation of a growing regenerating part of the thyroid gland. A. A. Volkovich. *Probl. endok. i gorm.* 10 no. 5:89-93 S-O '64.

Goiter and radiological methods of its examination during the preoperative period and at a later time after surgery. L. E. Ponomarev. *Vest. khir.* 93 no. 11:28-35 N '64.

Pre- and postoperative oxidation-reduction processes in nodular endemic goiter. M. M. Kovalov and others. *Probl. endok. i gorm.* 10 no. 5:37-40 S-O '64.

Repeated operations on the thyroid gland due to a recurring goiter. E. M. Borovyi. *Vest. khir.* 93 no. 11:35-37 N '64.

## THYROID GLAND—TUMORS

Study of the oncogenic specificity of tumors of the thyroid gland in man. G. I. Avdeev. *Bull. eksp. biol. i med.* 50 no. 6:77-81 Je '65.

## THYROID HORMONES

Effect of thyroid hormones on sulphydryl groups and the enzymatic activity of oxides of D-amino acids. B. I. Khyl'cheva'ka. *Ukr. biokhim. zhur.* 37 no. 2:207-217 '65.

## THYROID HORMONES—PHYSIOLOGICAL EFFECT

Influence of thyroid hormone on the renal function in the process of compensatory hypothyroidism. V. A. Vasilenk. *Fiziol. zhur.* 51 no. 5:601-608 My '65.

## TICKS

Ticks (Parasitiformes, Ixodidae) occurring on people. E. A. Klushkina. *Med. paraz. i paraz. bol.* 33 no. 6: 742-743 N-D '64.

## TICKS AS CARRIERS OF DISEASE

Characteristics of immunogenesis in tetraonid birds in a natural focus of tick-borne encephalitis. E. I. Kosenberg and others. *Med. paraz. i paraz. bol.* 33 no. 6: 711-717 N-D '64.

Control of ixodid ticks as the basis of the prophylaxis of hemaphysporidiosis. D. K. Polinakov, M. A. Akhunov, I. A. Makhmudov. *Veterinariia* 41 no. 4:101-102 Ap '65.

Transovarial transmission of spirochaetes causing tick-borne relapsing fever in *Alectorobus asperus*. V. V. Slesarenko, K. A. Dunayevskii. *Med. paraz. i paraz. bol.* 33 no. 6:744-745 N-D '64.





# **TOCOPHEROL (Continued)**

Peroxide resistance of erythrocytes A. A. Pokrovskii, A. A. Abramov Vop. pit 23 no. 6 14-49 N-D '64

# **TODRII, VENIAMIN IVLANOVICH**

Chief technologist of the land, E. Makhatadze, Zemledelie 27 no. 5 16-19 My '65

# **TOES**

Study of the remnants of the human musculi peronei digitorum, A. Kanev, Arkh. anat. gist. i embr. 48 no. 3 70-78 Mr '65.

# **TOKMAK VALLEY—GNEISS**

Aluminiferous gneisses in the Tokmak basin, T. H. Khmaruk Geol. zhur. 25 no. 2 22-35 '65

# **TOKYO—DESCRIPTION**

From the heights of the Tokyo Tower, S. Verbitskii, Az. i Afr. seg. 8 no. 6 10-12 Je '65

# **TOKYO—STADIUMS**

Structures for the Olympic Games in Tokyo, A. Kistia-kovskii Arkh. SSSR no. 4 55 63 '65.

# **TOKYO—THEATER**

Mingel is a champion theater, Kikoku Sato Teatr. 26 no. 5 162-164 My '65

# **TOLERANCE (ENGINEERING)—STANDARDS**

Shortcomings of the state standard 7505-55, A. S. Kon'kov Kur. shiam. proizv. 7 no. 4 15-19 Ap '65

# **TOLSTOI, ALEKSEI NIKOLAEVICH, 1882-1945**

Individuality of the artist and originality of the critic, V. Baranov, Vop. lit. 9 no. 8 189-191 Je '65

# **TOLSTOI, LEV NIKOLAEVICH, 1828-1910**

Ermilov, V. V. [Tolstoi the novelist, "War and peace," "Anna Karenina," "Resurrection"] Tolstoi - romanist, "Voyna i mir," "Anna Karenina," "Voskresenie," Moskva, Khudozhestvennaya literatura, 1965, 581 p.

# **TOLUENE**

Complexes of aromatic hydrocarbons with metal halides and hydrogen halides, Part 3: Infrared absorption spectra of complexes formed by methylbenzene with aluminum bromide and hydrogen bromide, V. A. Koptug and others, Zhur. ob. khim. 35 no. 6 111-116 Je '65

# **TOLUENE—SPECTRA**

Complexes of aromatic hydrocarbons with metal halides and hydrogen halides, Part 2: Proton magnetic resonance spectra of complexes of methylbenzenes with aluminum bromide and hydrogen bromide, V. A. Koptug and others, Zhur. ob. khim. 35 no. 5 854-870 My '65.

# **TOLUENESULFONIC ACID**

Synthesis and transformations of polyhydric alcohols, Part 1: Synthesis and transformations of some p-toluenesulfonic esters of polyhydric alcohols, M. F. Shostakovskii, A. S. Atavin, A. M. Mirskova Zhur. ob. khim. 35 no. 5 804-807 My '65.

# **TOMATO BREEDING**

Michurin breeding methods and the interspecific tomato hybridization R. Georgieva Vest. sel'khoz. nauki 8 no. 8 150-155 Ag '63

# **TOMATOES see subdivision under Astrakhan Province**

# **TOMATOES—FERTILIZERS AND MANURES see subdivision under Kamenets-Podolskiy**

# **— VIETIES**

ideas of tomatoes as related M. A. Musaev, T. M. "st. sel'khoz. nauki 8

# **HY see Bibliog-**

# **I, 1872-1884**

M. Belikerev Brain and Psychic Evolu- Arkh. anat., gist. i

oscopic changes during or follicular ton- nach, trud. Inst. Infek.

total with high plastic- r. 18 no. 4 54-56

i properties of high- Geller. Metalloved. '65.

Effect of residual austenite on the strength of tool steel. A. E. Pavanas, I. U. A. Geller. Metalloved. i term. obr. met. no. 4 45-48 Ap '65

# **TOOL STEEL—TESTING**

Effect of residual austenite on the strength of tool steel. A. E. Pavanas, I. U. A. Geller. Metalloved. i term. obr. met. no. 4 45-48 Ap '65.

# **TOOL STEEL—WELDING**

Friction welding of tools, A. T. Vavilov, Avtom. svar. 18 no. 3 51-53 Mr '65.

Optimal conditions for the friction welding of a tool, V. P. Vulnov, Avtom. svar. 18 no. 3 14-18 Mr '65.

# **TOPCHIKHA DISTRICT—EDUCATION, PRESCHOOL**

New in the life of a state farm, I. Mezhevalov, Doshk. vosp. 38 no. 3 32-33 Mr '65

This gives pleasure L. Mikhailova, Doshk. vosp. 38 no. 3 33-34 Mr '65

# **TOPOGRAPHIC MAPS**

Using the new technology for compiling topographic maps according to Prof. V. I. Denek's method in industrial conditions, B. V. Dzhafarov, Trudy Giprovedkhiza no. 25 24-28 '63

# **TOPOGRAPHY—CONGRESSES**

Technological conference of the workers of the topographic service of the Main Geological-Prospecting Administration of the Ukrainian S. S. R. N. I. Lebid', Geol. zhur. 25 no. 2 114 '65.

# **TORSION**

Accounting for the torsion of the main beams in the calculation of bridges, V. I. Kutish, Izv. vys. ucheb. znv., stroi i arkh. 8 no. 2 12-16 '65.

Torsion of prismatic rods with a thin reinforcing coating, K. S. Chobanian, Izv. AN Arm. SSR Ser. fiz.-mat. nauk. 18 no. 2 48-57 '65.

Using the method of conformal representation in solving the problem of the torsion of a drill-type rod, N. V. Alekseev, Prikl. mekh. 1 no. 4 131-133 '65.

# **TOURISM**

Ten days of pleasure, S. Gazarian, S. Sivokon', Sem'ia i shkola 20 no. 4 41-43 Ap '65

# **TOXEMIA**

Enterotoxemia of cattle, K. R. Urguev, Veterinarlia 41 no. 4 34-36 Ap '65.

# **TOXICOLOGY—ABSTRACTS**

[Pharmacology Toxicology] Ref. zhur.: Farm. Toks. nos. 11-13 Je-Jl '65.

# **TOXINS AND ANTITOXINS**

Antigenic properties of the protoxin of the type E Clostridium botulinum, T. I. Bulatova, Zhur. mikrobiol., epid. i immun. 42 no. 1 5-10 Ja '65.

Effect of some toxic irritants on hormonopolesis in chromaffin organs, N. M. Kovrizhko, Probl. endok. i gorm. 10 no. 5 94-98 S-O '64.

Effect of vitamin B12 on immunogenesis in experimental immunization with tetanus anatoxin, F. R. Tashmukhamedov, Zhur. mikrobiol., epid. i immun. 42 no. 1 37-41 Ja '65.

Effectiveness of tetanus component in sorbed diphtheria and tetanus anatoxin, N. S. Kashintseva, I. K. Dzhavrova, E. A. Gil'gut, Zhur. mikrobiol., epid. i immun. 42 no. 1 10-13 Ja '65.

Role of peptides in the formation of toxins by Clostridium oedematis, I. P. Malorova, E. V. Vlasova, N. G. Orlova, Zhur. mikrobiol., epid. i immun. 42 no. 2 95-99 F '65.

Toxicity of cultural filtrates of Proteus of various origin, A. V. Man'kova'skiy, Mikrobiol. zhur. 27 no. 3 17-20 '65.

Use of tissue cultures for the titration of toxins of the pathogens of gas gangrene, S. A. Shamraev, Zhur. mikrobiol., epid. i immun. 42 no. 1 117-120 Ja '65

# **TOXINS AND ANTITOXINS—THERAPEUTIC USE**

Kaluzhnaia-Lukashov, G. M. [Combined use of staphylococcal anatoxin and antibiotics in suppurative septic processes] Kombinirovannoe primeneniye stafilokokkovogo anatoksina i antibiotikov pri gnoino-septicheskikh protsessakh, Moskva, Meditsina, 1965, 73 p. (Biblioteka prakticheskogo vracha) (DNLM)

# **TOXOPLASMA—CULTURES AND CULTURE MEDIA**

Production of toxoplasmosis antigens in tissue culture, G. T. Akhshina, I. I. Gracheva, Med. paraz. i paraz. bol. 33 no. 6 681-685 N-D '64.

# **TOXOPLASMOSIS**

(see also subdivision under Tyumen' Province)

Examination of dogs for toxoplasmosis, I. D. Netrebko and others, Veterinarlia 42 no. 5 71-72 My '65.

Results of examining animals for toxoplasmosis using the complement fixation reaction, E. F. Kovaleva and others, Veterinarlia 42 no. 5 70-71 My '65.

[Toxoplasmosis; epidemiology, clinical aspects, treatment and prevention] Toksoplazmoz, epidemiologiya, klinika, terapiya i profilaktika, [By] L. K. Korovitskii i dr., Kiev, Gosmedizdat USSR, 1962, 187 p. (Biblioteka prakticheskogo vracha) (DNLM)

Toxoplasmosis in workers in a meat factory, I. P. Oiestenko, Zhur. mikrobiol., epid. i immun. 42 no. 2 58-61 F '65.

# **TOY INDUSTRY**

Toy and a kid's game, P. Askinazi, Doshk. vosp. 38 no. 6 89-90 Je '65

# **TOY THEATERS**

In search of a "golden key," A. Klein, Doshk. vosp. 38 no. 6 47-10 My '65

# **TOYS**

Homemade toys, V. Polistchuk, Doshk. vosp. 38 no. 5 21-22 My '65

Instructive talk, I. Gavrilova, Doshk. vosp. 38 no. 1 90-91 Ap '65

Interesting recreation, G. I. Ivanova, Doshk. vosp. 38 no. 4 21 Ap '65

Toys are your tools, teachers, V. Volus'ko, Doshk. vosp. 38 no. 3 87-89 Mi '65

Toys of our friends, I. U. Minkelmov, Doshk. vosp. 38 no. 5 90-92 My '65.

TRACE ELEMENTS see subdivision under Saratov Province, Volgograd Province

TRACE ELEMENTS—EFFECT ON PLANTS see Plants, Effect of trace elements on

# **TRACE ELEMENTS—PHYSIOLOGICAL EFFECT**

Effect of some microelements (Co, Cu, Mn) on the secretory function of the stomach, M. A. Ruzhnikov, Trudy Inst. fiziol. AN Kazakh SSR 7:88-96 '61.

# **TRACE ELEMENTS IN THE BODY**

Effect of some complex compounds of trace elements on the phagocytic activity of leucocytes and the formation of agglutinins in non-irradiated and irradiated rabbits, A. I. Nikolaev, Kh. R. Mukhamedzhanov, S. M. Khalilov, Zhur. mikrobiol., epid. i immun. 42 no. 2 90-95 '65.

State of some microelements in the kidneys following changes in the function of the central nervous system, V. R. Soroka, Ukr. biokhim. zhur. 37 no. 2 271-276 '65

# **TRACERS (BIOLOGY)**

Radioactive iron in Fe<sup>59</sup>, A. L. Koz'yeva, Trudy TSRI 71:156-163 '61

# **TRACHEA—LIGATURE**

Changes in the velocity of the blood stream in the cortical and medullary layers of the kidney in ligation of the adrenal and compression of the trachea, L. A. Lugovoi, Biol. okup. biol. i med. 50 no. 6 20-24 Je '65.

# **TRACHEA—SURGERY**

Drainage of the respiratory tract through tracheotomy in disorders of the patency in the lower sections, M. V. Isakov, T. K. Vichitronova-Osipenkova, Trudy Inst. im. N. V. Sklif. 6:145-150 '63.

Tracheostomy in some forms of pathologic respiration in patients with serious cranio-cerebral trauma, M. V. Isakov, Trudy Inst. im. N. V. Sklif. 8:83-89 '63.

# **TRACK ATHLETICS**

Aksel'rod, S. L., and L. S. Khomenkov, [Track athletics in facts and figures] Legkaya atletika v faktakh i tsif- takh, Moskva, Fizkul'tura i sport, 1965, 293 p.

# **TRACK-TYPE VEHICLES see Tracklaying vehicles**

# **TRACKLAYING VEHICLES**

Ignatovich, A. M. [New type crawler bolts; a textbook for students specializing in construction and transportation machinery] Gusenichnye lentyy novogo tipa; ucheb- nyye posobie dlia studentov spetsial'nosti SM, Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transp., 1963, 113 p.

[MICROFILM]

# **TRACTOR INDUSTRY see subdivision under Minak**

# **TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Kharkov**

# **TRACTORS**

(see also subdivision under Great Britain; United States)

Cabin made of glass-reinforced plastics for the T-74 tractor, V. I. Oleschenko, V. F. Zheleznitskiy, I. O. Markon, Mashinostroenie no. 2 87-88 Mr-Apr '65.

Economic efficiency of the use of the T-4 tractor, V. I. Timofeev, F. I. Aisovenko, Bif. tekhn. i ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4 48-50 Ap '65.

Various systems of mounting the REI-3 dynamometer on the "Belarus" DT-54 and tractors, V. F. Zaitsev, P. P. Leman, Zap. Len. sel'khoz. inst. 85:100-107 '61.

## TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment]  
Ref. Zhur. Trakt. i sel'khoz. mash. i orud. no. 6 '65.

## TRACTORS—DESIGN AND CONSTRUCTION

Davidsovich, S. M. [Design and working principle of tractor and automobile] *Traktory i avtomobily* 1 avtomobil. 2, 1, per. i dop. izd. Leningrad, Kolos, 1965. 510 p.

## TRACTORS—ECONOMIC ASPECTS

Economic effectiveness of the use of the DTP 20K tractor and KVP-2, 6 cultivator. I. Komarov, I. Grigorov, G. Shklykin. Tekh. v sel'khoz. 35 no. 5:30-40 My '65.

## TRACTORS—ENGINES

Combustion chamber in the cylinder sleeves of engines. A. M. Didenko and others. Mashinostroyeniye no. 3:65-67 My-Je '65.

Determining the state of an engine without dismantling. A. Tarasov. Tekh. v sel'khoz. 35 no. 5:79-81 My '65.

The KDM-40 and KDM-100 modified engines. A. I. Izrael, P. Sorokhin. Tekh. v sel'khoz. 35 no. 5:133-40 My '65.

Running-in the D-16 engine with fresh and used oil. V. A. Lelchuk. Mashinostroyeniye no. 2:88-89 Mr. Ap '65.

## TRACTORS—EQUIPMENT AND SUPPLIES

Regulator of a tractor with a hydraulic displacement transmission. A. T. Lebedev. Mashinostroyeniye no. 3: 88-84 My-Je '65.

## TRACTORS—HYDRAULIC EQUIPMENT

Diagram of the valve mechanism of the distributor of a divided hydraulic system of a tractor. V. A. Degtyarev, M. A. Zolotarev. Sbornik nauch. i tekhn. rab. sel'khoz. mash. i orud. no. 6:11-17 '65.

## TRACTORS—LUBRICATION

Regulating oil pumps of motor tractors and tractors. A. Shklykin. Tekh. v sel'khoz. 35 no. 5:67-65 My '65.

## TRACTORS—MAINTENANCE AND REPAIR

Distribution of temperature during weaving-toe build-up welding. M. V. Avdeev, N. A. Rylovskiy. Sbornik nauch. i tekhn. rab. sel'khoz. mash. i orud. no. 6:19-10 Ap '65.

Determining the type of hard alloy and geometric parameters of a cutter for grinding of metal hard by high-grade electrodes. O. A. Lukin. Zap. Len. sel'khoz. inst. 85:116-11 '65.

Some results of studying the process of build-up welding with a weaving arc. A. I. Zhaychenko. Zap. Len. sel'khoz. inst. 85:101-67 '65.

## TRACTORS—PARTS

Improving the machinability of unevenly worn-out parts. A. A. Tsyglin. Zap. Len. sel'khoz. inst. 85:52-61 '65.

Increasing the durability of tractor tracks. M. P. Dragan and others. Mashinostroyeniye no. 3:81-82 My-Je '65.

## TRACTORS—PRODUCTION STANDARDS

Automatic control and calculation of power expenditure by tractor-driven machinery and methods for establishing norms for tractor work. B. A. Ioffov. Zap. Len. sel'khoz. inst. 85:60-66 '65.

Establishing norms for tractor work using a temporary tillage dynamometer. P. P. Lomon. Zap. Len. sel'khoz. inst. 85:125-125 '65.

## TRACTORS—TESTING

Small-size current inductor for the radiographic studies of cast-line parts. A. P. Golov. Zap. Len. sel'khoz. inst. 85:308-309 '65.

Studying the magnitude of effective bending stresses in the piston teeth of gearboxes of the KVP-35 tractor. M. A. Shklyukova. Zap. Len. sel'khoz. inst. 85: 310-318 '65.

## TRACTORS—TIMES

Ways for improving the quality and increasing the durability of tractor tires. K. F. Antonova, Z. G. Shpak. Trakt. i sel'khoz. mash. i orud. no. 6:14-15 My '65.

## TRACTORS—TRANSMISSION DEVICES

Durability of tractor transmission bearings. I. I. Valtersfeldt, G. I. Skundin, G. I. Babin-Lubynov. Trakt. i sel'khoz. mash. i orud. no. 6:10-11 My '65.

Method for rolling and testing tractor transmission cases. V. I. Belov. Uch. zap. Stord. gos. un. no. 15 pt. 2:81-86 '65.

Using low-nickel and nickelless steels for pistons of tractor transmissions. M. P. Dragan and others. Mashinostroyeniye no. 2:88-87 Mr.-Ap '65.

## TRACTORS—WHEELS

Methods for changing the gauge of the driving wheels of a tractor using the power of the engine. V. I. Razorov. Trakt. i sel'khoz. mash. i orud. no. 6:43-45 My '65.

## TRADE UNIONS

[See also subdivision under Rakov Province]  
[Decisions of the All-Union Central Council of Trade Unions] Sbornik post. VTSUP O-D '64, publ. '65.

For strict watch over the observance of labor legislation. K. Guseinov. Sov. profsoyuzy 21 no. 12:1-3 Je '65.  
Fundamental law of the trade-union life. I. Guseinov. Sov. profsoyuzy 21 no. 12:16-19 Je '65.  
Important problems. I. Tarkhin. Part. zhizn' no. 12:45-16 Je '65.

Internationalism is the banner of Soviet trade unions. I. Guseinov. Sov. profsoyuzy 21 no. 12:34-36 Je '65.  
Leading tactics of the unity of the working class and the Anglo-Russian Committee. M. M. Mukhinov. Vop. int. RKP(b) no. 1:67-71 Ji '65.

Regulations on the factory and plant local committees; amendments to article No. 9. Sov. profsoyuzy 21 no. 12: 45-16 Je '65.

Semphov, A. A. [Trade union organization in a government establishment] Profsoyuznaya organizatsiya gosudarstvennogo uchrezhdeniya. [Moskva] Profizdat, 1965. 61 p.

Strengthening control by plant and local committees of trade unions over the observance of the law in the dismissal of workers and employees. Zhil. i kom. khoz. 15 no. 4:14 Ap '65.

They are falling with anticommunism. I. Gusevskiy. Nov. vrem. 21 no. 2:13-11 Ji '65.

Vigilant tasks of trade unions in villages. I. Melnikov. Otkrytiye i znanie, str. 8 no. 4:3-4 Ap '65.

## TRADE UNIONS—CONGRESSES

Mighty forces of the present. I. Gusev and others. Sov. shkola. 14 no. 5:30-32 My '65.

## TRADEMARKS

[Bulletin on inventions and trademarks] Bul. izobr. i lov. znak. 42 no. 6 Ap '65.

TRAFFIC ACCIDENTS see subdivision under Great Britain; United States

## TRAFFIC SAFETY

Traffic organization and safety. Avt. transp. 43 no. 2: 42-46 I '65.

Traffic organization and safety. Avt. transp. 43 no. 5: 47 My '65.

## TRAFFIC SIGNS AND SIGNALS

Comments on the article "Do you approve of my suggestions?" by V. I. Rehtshavil. Avt. dor. 78 no. 2:20 I '65.

## TRAFFICABILITY

Utilization of the width of the trackway by motor vehicles. V. N. Ivanov. Avt. dor. 78 no. 2:8-9 I '65.

## TRAJECTORIES

Design of optimal pursuit trajectories. G. S. Rozenberg. Avtom. i telem. 20 no. 4:829-833 Ap '65.

Optimum realization of trajectories. G. N. Mil'mutin. Avtom. i telem. 20 no. 4:831-838 Ap '65.

## TRANS-ILLUMINATION

Effect of Codonopsis elenaeidea on the work capacity (involvement) of white mice. V. B. Fudikov. Trudy Inst. fiziol. AN Kazakh SSR 7:10-16 '64.

## TRANSAMINASES

Structure of the enzyme-inhibitor complex of aspartate transaminase with L-cysteine. M. I. Karpel'skiy, I. N. Drenov. Biokhimiya 30 no. 1:103-100 Ja-I '65.  
Study of transaminase and 17-hydroxycorticosteroids in the urine of patients with erythremia treated with radon-free phosphorus. A. I. Kosyeva, I. F. Shcherbak, I. A. Danilovskiy. Trudy TSU 7:120-131 '64.

## TRANSBAIKALIA—COSSACKS

An experimental study of the economy and culture of the Russian rural population in Transbaikalia. A. A. Lebedeva. Sov. est. no. 3:3-17 My-Je '65.

## TRANSBAIKALIA—DIESEL LOCOMOTIVES

What can be learned from our experience in the transfer of the nation to diesel traction. N. I. Dunayev. Elek. i tep. tizna 9 no. 4:19 Ap '65.

## TRANSBAIKALIA—GELENA

Glaciers from the weathering surface of the apodolomite serpentinites of the Kurganikhin lead-zinc deposit. I. M. Golovyanov. Zap. Uss. old. Vses. min. ob-va no. 10: 68-70 '64.

## TRANSBAIKALIA—GEOCHEMISTRY

Relationship between the liquid and solid phases of alloy flux. V. V. Polikarpovich and others. Geokhimiya no. 2:198-210 I '65.

## TRANSBAIKALIA—ORE DEPOSITS

Glaciers from the weathering surface of the apodolomite serpentinites of the Kurganikhin lead-zinc deposit. I. M. Golovyanov. Zap. Uss. old. Vses. min. ob-va no. 10: 68-70 '64.

Relationship between the liquid and solid phases of alloy flux. V. V. Polikarpovich and others. Geokhimiya no. 2:198-210 I '65.

## TRANSBAIKALIA—ANIMALS AS CARRIERS OF DISEASE

Nonleptospiral morbidities in Transcarpathian Province. Z. I. Novotina. Zhur. mikrobiol., epid. i immun. 42 no. 2:49-55 I '65.

## TRANSBAIKALIA—ECONOMIC CONDITIONS

The flourishing economy and culture of Soviet Transcarpathia. V. V. Varet'skiy. Ekon. rad. Ukr. 8 no. 5:9-14 Ja '65.

The reconstructed Transcarpathia. IV. Il'inskiy. Komm. Ukr. 39 no. 6:30-36 Je '65.

Shul'ha, I. L. [Socioeconomic condition of Transcarpathia in the second part of the 18th century] Sotsial'no-ekonomicheskie stanovyshe Zakharpattia v druhi polovyni XVIII st. Uzhhorod, Universitet, 1962. 180 p. (NN)

## TRANSBAIKALIA—LEPTOSPIROSIS

Nonleptospiral morbidities in Transcarpathian Province. Z. I. Novotina. Zhur. mikrobiol., epid. i immun. 42 no. 2:49-55 I '65.

## TRANSBAIKALIA—PERLITE (MINERAL)

Properties of perlite from the Borogovo deposit. P. P. Hudnikov, V. G. Savelyev, I. M. Petrovskiy. Stroi. mat. 11 no. 1:24-25 Ja '65.

## TRANSBAIKALIA—SOCIAL CONDITIONS

Shul'ha, I. L. [Socioeconomic condition of Transcarpathia in the second part of the 18th century] Sotsial'no-ekonomicheskie stanovyshe Zakharpattia v druhi polovyni XVIII st. Uzhhorod, Universitet, 1962. 180 p. (NN)

## TRANSBAIKALIA—TALES, UKRAINIAN

[Tales of Verkhovina; Transcarpathian Ukrainian folk tales] Skazki Verkhoviny; zakarpatskie ukrainskie narodnye skazki. Uzhgorod, Zakarpatskoe obl. knizhnyagazetnoe izd-vo, 1963. 380 p. (NNC)

## TRANSBAIKALIA—UKRAINIAN LITERATURE

[Tales of Verkhovina; Transcarpathian Ukrainian folk tales] Skazki Verkhoviny; zakarpatskie ukrainskie narodnye skazki. Uzhgorod, Zakarpatskoe obl. knizhnyagazetnoe izd-vo, 1963. 380 p. (NNC)

## TRANSBAIKALIA—ATMOSPHERIC TEMPERATURE

Statistical method of making more precise the forecast of the average monthly air temperature in Transcaucasia. Dzh. I. Vachnadaev. Trudy TSIP no. 139:23-34 '65.

## TRANSBAIKALIA—MINERALS IN SOILS

Mineralogical composition of some soils of the Lesser Caucasus developed from the eluvium of quartz porphyry. S. B. Paradzheva, P. M. Ismailova. Izv. AN Azerb. SSR. Ser. biol. nauk no. 6:59-66 '64.

## TRANSDUCERS

Agolkin, D. I., E. N. Kostina, and N. N. Kuznetsova. [Regulation and control transducers; reference materials] Datchiki kontrolya i regulirovaniya; spravochnye materialy. 2, per. i dop. izd. Moskva, Mashinostroyeniye, 1965. 928 p.

Automatic device for triggering signals. P. Ushchapovskiy. Radio no. 3:44-45 Mr '65.  
Coding the output signals of M-var-type transducers at pulsed power supply. M. I. Levin and others. Izv. tekhn. no. 2:44-46 I '65.

Effect of transducer dimensions on the measurement error of automatic control systems used in the evening of the grade of production. V. P. Khavkin. Nauch.-issl. trudy VNIITEKMASIA no. 11:24-31 '64.

Electrochemical transducers for the reception of acoustic signals and measurement of small displacements. N. S. Lidenko and others. Elektrofizika 38 no. 3: 3-5 Mr '65.

Self-compensating time-to-pulse transducer of angular displacements. V. V. Savin, I. Z. Izmailova. Za tekhn. prog. 5 no. 3:11-14 Mr '65.

Use of rheostat transducers in field research on the work of mounted plows. V. A. Vasil'ev. Zap. Len. sel'khoz. inst. 85:287-270 '65.

## TRANSDUCERS—TESTING

Metallurgical testing of transducers used in measuring systems. E. Ritzinger. Izv. tekhn. no. 2:37-38 I '65.

## TRANSFORMATIONS (MATHEMATICS)

Using affine transformations in calculating bridge bridges and other structures. V. A. Kartashov. Uch. zap. Mord. gos. un. no. 15 pt. 2:27-31 '63.

## TRANSIENTS (ELECTRICITY)

"Electromagnetic transients in electrical system" by S. A. Ushakov. Reviewed by L. G. Mamikonians. Elektrotrichnost no. 3:83-84 Mr '65.

General theory of transient processes in nonsymmetric induction machinery as applied to asynchronous phase converters of a.c. electric locomotives. G. M. Makharadze. Trudy GPI [Gruz.] no. 7:99-108 '63.

## TRANSISTOR AMPLIFIERS

- Nonlinear and transverse distortions in tuned transistor amplifiers. I. D. Krut'ov, Radiotekhnika 20 no. 3:38-42 Mr '65.
- Operational instability of transistor with direct d.c. feedback. V. I. Anisimov, Elektrosvar' 19 no. 5:10-35 My '65.
- Transistor amplifiers with direct coupling. K. Kachurin, Radio no. 3:28-29 Mr '65.

## TRANSISTOR CIRCUITS

- Design of phase sensitive circuits with diodes. I. G. Nazarov, Elektrotehnika 36 no. 3:18-22 Mr '65.
- Mutual blocking of transistor trigger circuits by means of a time selection principle. M. B. Shehedrin, Trudy VNIIE no. 18:115-121 '64.
- Reliable high-frequency dynamic transistor trigger circuit. R. G. Berulava, Avtom. i telem. 25 no. 4:712-720 1p '65.
- Vershin, V. E. [High-speed transistor switching circuits] Bystrodelistvushchie poluprovodnikovye pereklyuchateli. Moskva, Energiya, 1965. 102 p. (Biblioteka po avtomatike, no. 134).

## TRANSISTOR OSCILLATORS see Oscillators, Transistor

## TRANSISTORS

- Features of using transistor devices. N. Gorunov, A. Savchenko, I. U. Ovechkin, Radio no. 3:40-41 Mr '65.
- Four-layer semiconductor devices. V. A. Lomanovich, Vest. aviats. 25 no. 2:10-13 F '65.
- Labutin, V. K. [All-purpose transistors] Transistorsy obshchego naznacheniya. Moskva, Energiya, 1964. 28 p. (Massovaya radiobiblioteka. Spravochnaya seriya, no. 526).
- Nature of inertial p-n junction diodes with small leakage rates of the minority current carriers through a nonrectifying junction. I. U. A. Tkhorik, Radiotekh. i elektron. 10 no. 6:1162-1163 Je '65.
- Operation of germanium transistors with short-term duration overloads. L. S. Zisman, Elektrotehnika 35 no. 11:6-8 N '64.
- Power dissipation of a transistor in pulsed operation. A. K. Solov'ev, Radiotekhnika 20 no. 3:47-53 Mr '65.
- Reply to I. U. A. Tkhorik's letter "Nature of inertial p-n junction diodes with small leakage rate of the minority current carriers through a nonrectifying junction." L. I. Baranov, G. V. Selishchev, Radiotekh. i elektron. 10 no. 6:1163 Je '65.
- Some new methods for determining  $T_c$ -scatter of junction transistors. M. Z. Iudich, Trudy VZEI no. 25:92-96 '64.

## TRANSISTORS—HANDBOOKS, MANUALS, ETC.

- A good handbook. Radio no. 3:62 Mr '65.

## TRANSISTORS—MEASUREMENT

- Networks for measuring the parameters of P805 transistors. M. Z. Iudich, Trudy VZEI no. 26:97-100 '64.

## TRANSISTORS—TESTING

- Device for testing power transistors. V. Gorodetskii, Radio no. 3:42-43 Mr '65.

## TRANSITION METAL COMPOUNDS—SPECTRA

- Infrared spectra of phenylenediamine complexes with transition metal salts. M. S. Barvinok, I. S. Bukhareva, Zhur. neorg. khim. 10 no. 4:861-864 Ap '65.

## TRANSITION METAL OXIDES

- Effect of the atmosphere of gases on the thermal synthesis and properties of the compound types  $Me_2^{IV}O_3$  and  $Me_2^{IV}O_3$ . S. A. Kutolin, A. I. Vukikh, A. E. Sergeeva, Izv. AN SSSR, Neorg. mat. 1 no. 3:388-391 Mr '65.

## TRANSITION METALS

- Solubility of some transition metals in the  $V_2Si$  compound and their effect on the temperature of transition of the compound to a superconducting state. E. M. Savitskii and others, Izv. AN SSSR, Neorg. mat. 1 no. 3:354-361 Mr '65.

## TRANSITION METALS—ANALYSIS

- Sorption by ion exchangers and the possibility of separating transition elements of the fourth period in succinic acid solutions. I. K. Tshilovich, D. V. Bantov, Zhur. VKHO 10 no. 2:228-229 '65.

## TRANSITION METALS—ELECTRIC PROPERTIES

- Electroconductivity of diluted solutions of transition metals in platinum. I. U. N. Tshilovich, N. V. Volkanshtein, Zhur. eksp. i teor. fiz. 48 no. 3:796-799 Mr '65.

## TRANSLATING AND INTERPRETING

- Is a scientific approach to artistic translation possible? B. B. Yakhtin, Nar. Az. i Afr. no. 3:139-146 '65.

## TRANSONIC AERODYNAMICS see Aerodynamics, Transonic

## TRANSPLANTATION OF ORGANS, TISSUES, ETC.

- Current problems of the reaction "graft against host." A. S. Shevelov, Usp. sov. biol. 59 no. 3:443-169 My-Je '65.
- Some problems of vascular connections of the omental graft with the wall of the urinary tract after its omentopexy. M. N. Zil'berman, Arkh. anat. i gist. i embr. 47 no. 10:73-75 O '64.

## TRANSPORT WORKERS—EDUCATION AND TRAINING

- Vyshtyly Volochok school of transport conductors. L. I. Shumakhar, Sted. spets. obr. 12 no. 3:51-52 Mi '65.

## TRANSPORTATION

- Alzenberg, E. [Methods of improving the work in transportation during the period of the large-scale building of communism, a textbook] Puti sovershenstvovaniya raboty transporta v period razvernulogo stroitel'stva kommunizma; uchebnoe posobie. Sverdlovsk, Ural'skii gos. univ., 1964. 41 p.

### [MICROFILM]

- Calculating the cost of transportation. Z. Skvortsova, Zhil. i kom. khoz. 15 no. 4:25 Ap '65.
- Current problems of the construction of the means of transportation. E. Kozhevnikov, Plan. khoz. 42 no. 5:17-19 Je '65.
- Solution of the transportation problem by the method of solving summands. E. P. Nesterov, Ekon. i mat. metod. 1 no. 2:271-274 Mr-Apr '65.
- Unrounded inferences. A. Reznik, Zhil. i kom. khoz. 15 no. 4:21-25 Ap '65.

## TRANSPORTATION—ABSTRACTS

- [Container shipments and the interaction of various types of transportation] Ref. zhur. Vznaimodels. raz. vid transp. i kont. perev. nos. 6-7 Je-Jl '65.

- [Industrial transportation] Ref. zhur. Prom. transp. no. 6 Je '65.

## TRANSPORTATION—COST OF OPERATION see sub-division under Estonia

## TRANSPORTATION—FINANCE

- Planning and accounting of transportation costs in the national economy. T. A. Fakhrman, M. A. Simanovskii, Zhel. dor. transp. 47 no. 5:68-72 My '65.

## TRANSPORTATION—PASSENGER TRAFFIC see sub-division under Russia, Northwestern

## TRANSPORTATION—RESEARCH

- Tasks facing the transportation science. Vest. TSNI MPS 24 no. 1:3-4 '65.

## TRANSPORTATION, AUTOMOTIVE

- (see also sub-division under Armenia; Minsk; Moscow; Moscow Province; Perm Province; Volga-Vyatka Economic region; White Russia)

- Afanas'ev, L. L. [Automotive transportation] Avtomobil'nye perevozki. Moskva, Transport, 1965. 350 p.
- At the Ministry of the Automotive Transportation and Highways of the R. S. F. S. R., Avt. transp. 43 no. 8:59-80 Je '65.

- Information. Avt. transp. 43 no. 2:54-60 F '65.
- Information. Avt. transp. 43 no. 5:55-57 My '65.
- Organizing centralized haulage. Avt. transp. 43 no. 2:8-9 F '65.

- Roads, traffic safety and national economy. Avt. dor. 28 no. 2:1 F '65.

- Russia (1917- R. S. F. S. R.) Ministerstvo avtomobil'nogo transporta i shosseinykh dorog. [Handbook for the automotive transport worker] Spravochnik rabotnika avtomobil'nogo transporta. Moskva, Avtotransizdat, Book 3. 1961. - (NTC)

- Toward a better utilization of the production and technical base. S. Blazhevich, Avt. transp. 43 no. 2:1-3 F '65.

## TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

- [Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 7 Jl '65. Predmetnyi ukazatel' za 1964 g.

## TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

- Organization of the accounting and economic analysis. T. Lavrova, Avt. transp. 43 no. 2:38-39 F '65.

## TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION see sub-division under Voronezh

## TRANSPORTATION, AUTOMOTIVE—FINANCE

- Increase the responsibility for saving internal working capital. G. Grankin, Avt. transp. 43 no. 5:36-37 My '65.

## TRANSPORTATION, AUTOMOTIVE—FREIGHT

- (see also sub-division under Kalinin)
- Improve the work of automotive freight transportation. V. I. Davydov, Gor. khoz. Mosk. 39 no. 5:7-10 My '65.
- Use of containers reduces transportation costs. B. Laptev, Sov. torg. 38 no. 3:24-25 Mr '65.

## TRANSPORTATION, AUTOMOTIVE—LAWS AND REGULATIONS

- Problem of the strengthening of legality in automobile transportation. Sots. zakon. 12 no. 3:18-53 Mr '65.

## TRANSPORTATION, AUTOMOTIVE—MANAGEMENT (see also sub-division under Khabarovsk; Ukraine, White Russia)

- Efficiency of the use and specialization of automotive transportation for freight haulage in industry. D. R. Dadashov, A. M. Abdullayev, I. A. Gamidov, Za tekhn. prog. 5 no. 3:43-45 Mr '65.

## TRANSPORTATION, AUTOMOTIVE—SAFETY MEASURES

- Working conditions should be healthy and safe everywhere. Avt. transp. 43 no. 5:4-6 My '65.

## TRANSPORTATION, AUTOMOTIVE—STUDY AND TEACHING

- Training specialists. Avt. transp. 43 no. 2:47-49 F '65.

## TRANSURANIUM ELEMENTS

- The 10th element has been put into service. V. Afanashkov, NTO 7 no. 5:17-19 My '65.

- [Prospects for the synthesis of transuranium elements. Ninth discussion. Participants in the discussion: G. N. Flerov and others] Perspektivy sinteza transuranovykh elementov. Beseda devyatnaya. V besede uchastvuyut: G. N. Flerov i dr. Moskva, Znanie, 1965. 39 p. (Novoe v zhizni, nauka, tekhnika, IX Seriya: Fizika, matematika, astronomiya, no. 10)

## TRAUMATISM

- Characteristics of traumatic shock in elderly persons. N. V. Ukhanova, Trudy Inst. im. N. V. Sklif. 9:137-140 '63.

- Drainage of the respiratory tract through tracheostomy in disorders of its patency in the lower sections. I. U. V. Isakov, T. K. Vichitomova-Onipenkova, Trudy Inst. im. N. V. Sklif. 8:145-150 '63.

- Kaplan, A. V. [Fundamentals of traumatology at an elderly age] Osnovy travmatologii pozhnogo vozrasta. Moskva, Meditsina, 1965. 250 p. (Biblioteka prakticheskogo vracha) (DNLM)

- Relation between the level of traumatism and the method of mining. G. S. Zymalov, Bezop. truda v prom. 6 no. 3:13-11 Mr '65.

- Serious cranio-cerebral trauma combined with injuries of the trunk and the extremities. D. I. Gorenshstein, Trudy Inst. im. N. V. Sklif. 9:127-132 '63.

- Studying the causes of traumatism in boring. A. I. Ibatullin, Bezop. truda v prom. 6 no. 3:17-18 Mr '65.

- Traumatic shock in elderly persons. G. A. Pokrovskii, Trudy Inst. im. N. V. Sklif. 9:132 '63.

- Unremitting attention should be given to safety. V. P. Pavlov, V. A. Pozdninkov, Bezop. truda v prom. 6 no. 3:27-28 Mr '65.

## TRAVELING-WAVE TUBES

- Determination of the region of the negative depression coefficient in traveling-wave tubes at small signal parameters. I. U. I. Kuklov, Radiotekh. i elektron. 10 no. 6:1157-1159 Je '65.

- Effect of the fine splitting of the lower level of  $C_{1+2}$  in ruby on some characteristics of coherent radiation. G. I. Freidman, Izv. vys. ucheb. zav. i radiofiz. 5 no. 2:272-284 '65.

## TRAWLS AND TRAWLING

- Increase in motor power of the main engines of the medium-size trawler (SRT). A. M. Gorlachkovskii, V. N. Petrov, Ryb. khoz. 41 no. 5:31-34 '65.
- People of the blue roads. Vlach, Nevskii. Sov. voen. 47 no. 11:33-36 Je '66.

- Sea tests of net round. V. I. Kudryavtsev, B. A. Romanenkov, Ryb. khoz. 41 no. 5:40-41 '65.

- Underwater observations on the work of trawls. V. K. Savrasov, V. K. Korotkov, V. N. Martyshevskii, Ryb. khoz. 41 no. 5:44-48 '65.

## TREE FELLING

- Pobedinskii, A. V. [Principal yield cuttings] Rubki glavnogo pol'zovaniya. Izd. 2., perer. i dop. Moskva, Lesnaya promyshlennost', 1964. 207 p. (DNAL)

## TREES see sub-division under Moscow, Ukraine, Western

## TREES—FERTILIZERS AND MANURES

- Use of herbicides in the woody plant section of a nursery. V. G. Antonuk, Khim. v sel. khoz. 3 no. 4:53-56 Ap '65.

## TREES, FOSSIL—ANALYSIS see sub-division under Tashkent region

## TREES IN CITIES

- Planting of trees and shrubs in rural settlements. Zhil. i kom. khoz. 15 no. 4:18-19 Ap '65.

## TREHALOSE

Trehalose in vertebrates and man. I. S. Lukomskaya, G. I. Torosova. *Biochimika* 30 no. 1:95-99 Ju-I '65.

## TREIMANS, EDUARD

"Clean capture" L. I. Treidkina. *Tezh* 26 no. 1:111-115 Ap '65.

## TREMATODA

(see also subdivision under Black Sea)  
Diglostomum infection in salmon. N. V. Semenov-Makul', *Veterinariia* 11 no. 6:67-68 Ju '64.

## TRENCHING MACHINERY

Use of the Psh-0, 1 loader for digging trenches. A. K. Pokal. *Vost. svizl* 23 no. 2:38-41 '65.

## TREPKOWSKI, TADEUSZ, 1914-1954

Mytanova, K. V. [T. Tropkowski] T. Tropkovskii, *Leningradskii, Leningrad*, 1955. 28 p., illus.

## TREPONEMA PALLIDUM

Factors leading to transformation of *Treponema pallidum*. L. M. Butenko, *Zhur. mikrobiol., epid. i immunit.* 42 no. 1:107-111 Ju '65.

## TRIALS (POLITICAL CRIMES AND OFFENSES)

The court trial of A. N. Radnichenko, V. Goldner. *Sov. kmt.* 20 no. 11:21-23 Ju '65.

## TRIAZENE

Reaction of radon (prepared by the Institute of Chemical Reagents) with lead and cadmium. A. M. Lamsa, G. S. Potanova, N. M. Diatlova. *Trudy IRIA* no. 25:161-171 '63.

## TRIAZINE—EFFECT ON PLANTS see Plants, Effect of triazine on

## TRICHINA AND TRICHINOSIS

(see also subdivision under Anadyr' region)  
Additional method of examining meat for Trichinella. V. A. Billov. *Veterinariia* 41 no. 1:109-109 Ap '65.  
Diagnosis of trichinellosis by the Ancoli method. A. S. Ilesonov. *Veterinariia* 11 no. 1:107-108 Ap '65.

## TRICHOMONAS

Etiology role of trichomonads in infectious atrophic rhinitis of swine. N. A. Makulov, *Veterinariia* 42 no. 5:58 My '65.

## TRICHOTECIN

Treatment of trichophytosis in cattle. N. H. Anonov. *Veterinariia* 42 no. 5:37-39 Ju '65.

## TRICHOMAL NIGRALGIA see Neuralgia, Trigeminal

## TRIMETHYLAMINE

Kinetics of the hydrolysis of the compound formed by boron trifluoride with trimethylamine oxide. F. B. Oshchep, I. G. Rylov, S. L. Khepa. *Zhur. neorg. khim.* 10 no. 4:106-109 Ap '65.

## TRIOXANE

Sulfite method for the quantitative determination of trioxane in aliphatic alcohols. T. N. Zelenina, L. S. Kalitina, V. I. Likhovitskiy. *Plant. madya* no. 5:57-58 '65.

## TRUPOLI (MINERAL) see subdivision under Moscow Province

## TRITIUM

Interaction of 14.1 Mev. neutrons with tritium. G. E. Belyukhov, A. N. Prokof'ev. *Iad. fiz.* 1 no. 6:1009-1013 Ju '65.  
Reactions of recoil atoms of tritium and C-14 with heterocyclic amines. E. N. Avdonina and others. *Radiochimika* 7 no. 2:220-227 '65.

## TROPHOBLAST

Histochemistry of mucopolysaccharides and proteins of the periplacental trophoblast in rabbits. T. N. Tsytaeva. *Arkh. anat., gistol. i embriol.* 48 no. 4:64-67 Ap '65.

## TROTSKI, LEV, 1879-1940

The struggle of the Communist Party against Trotskyism during the liberation period of 1933 and 1934. A. G. Titov. *Vop. ist. KPSS* 9 no. 7:30-32 Ju '65.

## TROZANTS, GAVRIIL NIKOLAEVICH, 1883-

On the 80th birthday of G. N. Trozants. *Vest. dermat. ven.* 38 no. 6:93 Ju '64.

## TRUCK TRAILERS—DYNAMICS

Ways for eliminating the lack of kinematic correlation of a tractor and a trailer with a driving axle during turning. I. G. Kudriavtsev. *Trakt. i sel'khozmasch.* no. 5:6-7 My '65.

## TRUSSES

Estimated determination of the refractoriness of statically determinate reinforced concrete trusses. N. A. Siroshchuk, A. I. Yakovlev, N. F. Bulyr'. *Bel. i shkol.-bet.* 11 no. 5:6-11 My '65.

## TRUSTS, INDUSTRIAL

(see also subdivision under Japan)

Cooperation in the capitalist countries and the struggle against the industrial trusts. *Kommunist* 42 no. 10: 107-108 Ju '65.

## TRYPSIN

Separation of serum trypsin inhibitors and the study of their influence on trypsin hydrolysis of various substrates. H. L. Khodova, K. M. Vasilenko, A. A. Antonov. *Ukr. biochim. zhur.* 36 no. 5:643-653 '64.

## TRYPTAMINE—PHYSIOLOGICAL EFFECT

Effect of indolamine, a monoamine oxidase inhibitor, on the sensitivity of white mice and rats to tetracycline and pneumococcal infection. Z. A. Popenkova, E. V. Guseva. *Antibiotiki* 10 no. 5:132-135 My '65.

## TRYPTOPHAN

Inhibitive effect of tryptophan metabolites on the utilization of vitamin B<sub>12</sub>. N. V. Miasishcheva, M. O. Naushen-bankh. *Ped. i gmat. i perel. krov.* 10 no. 4:14-20 Ap '65.

Tryptophan requirements under nervous stress. T. A. Brokski, A. V. Popova. *Vop. pit.* 23 no. 6:21-25 N-D '64.

## TSANKOV, STEFAN, Archpresbyter, 1881-1955

Archpriest Stefan Tsankov. obituary. A. Ignat'ev. *Zhur. Mosk. Patri.* no. 6:17-18 '65.

## TSEB, IAKOV IAKOVLEVICH, 1904-

Iakov Iakovlevich Tseeb, on his 60th birthday. B. F. Gligor'ev. *Gid. khim. zhur.* 1 no. 2:68-69 '65.

## TSELINYY KRAY see Virgin Territory

## TSELINOGHRA—TECHNICAL EDUCATION

Source of knowledge. M. Sigal. *Nat. khoz. Kazakh.* 23 no. 3:17-12 Mi '65.

## TSELINOGHRA PROVINCE—EVIDENCE, CRIMINAL

Thus was the truth established. S. Solodchenko. *Sots. zakon.* 42 no. 2:66-70 F '65.

## TSELINOGHRA PROVINCE—FOREST REPRODUCTION

Effect of cutting on the young growth of pine in the southern part of the Kokchetav-Munchaktinskii peninsula. A. P. Romanov. *Izv. AN Kazakh SSR. Ser. biol. nauk* 1 no. 1:30-13 Ju-I '65.

## TSELINOGHRA PROVINCE—PINE

Effect of cutting on the young growth of pine in the southern part of the Kokchetav-Munchaktinskii peninsula. A. P. Romanov. *Izv. AN Kazakh SSR. Ser. biol. nauk* 3 no. 1:33-13 Ju-I '65.

## TSELINOGHRA PROVINCE—PLANTS, PROTECTION OF

At the stations for plant protection. V. Bykov, M. Shekhvatov. *Zashch. rast. ot vied. i bol.* 10 no. 5:9-10 '65.

## TSENTRAL'NO-CHERNOZEM ZAPOVEDNIK see Central Chernozem Preserve

## TSIMLYANSK RESERVOIR—CESTODA

Effect of the plerocercoid of *Digrama interrupta* Rud. on the growth of basses. A. V. Reshetnikova. *Zool. zhur.* 44 no. 5:734-739 '65.

## TSIOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935

Pedagogical activities of K. T. Tsiolkovskii. V. Goloushkin. *Nar. obr.* no. 7:65-80 Ju '65.

## TSUTSUGAMUSI DISEASE see subdivision under Maritime Territory

## TUAPSE—PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Cascade system for controlling a simple rectification column. A. A. Vykhodtsev. *Neftojor. i neftekhim.* no. 1:41-43 '65.

## TUAPSE—ROADSIDE IMPROVEMENT

The gardener. V. Nazarov. *Agilator* 33 no. 11:31 Ju '65.

## TUAPSE DISTRICT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The engineer must create. I. A. Shvydkov. *Pati. zhizn'* no. 12:23-20 Ju '65.

## TUAPSE DISTRICT—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

The engineer must create. I. A. Shvydkov. *Pati. zhizn'* no. 12:23-20 Ju '65.

## TUBERCULIN—TESTING

Biochemical study of cow blood reacting to tuberculin. V. I. Zavrutkina, V. F. Babich. *Veterinariia* 42 no. 6: 98 Ju '65.

Comparative evaluation of dry purified and "old" tuberculin in the diagnosis of tuberculosis in camels. L. P. Abramov. *Veterinariia* 42 no. 6:135-37 Ju '65.

## TUBERCULOSIS

Clinical characteristics of the course of influenza in tuberculosis patients. A. I. Buslenko. *Sbor nauch. trud. Inst. infek. bol.* no. 4:168-172 '64.

Diverse effect of experimental tuberculosis infection on food and defense conditioned reflexes. I. E. Gaber and others. *Pat. fiziol. i eksp. terap.* 8 no. 5:57-62 N-D '64.

Indications to surgical treatment of tuberculosis patients with pulmonary hemorrhages and recurrent hemoptysis. T. V. Epstein. *Sov. med.* 38 no. 4:61-64 Ap '65.

Kupchinskas, Juozas, and Jonas Kuznia. [Tuberculosis] *Tuberkulioze*. Vilnius, Mintis, 1964. 209 p. [In Lithuanian].

## (DNLM)

Late results of treating pulmonary tuberculosis patients with extrapleural pneumothorax. L. A. Karetshil. *Sov. med.* 38 no. 4:57-61 Ap '65.

Significance of the inactivation of preparations of isocotonic acid hydrazide in the compound treatment of pulmonary tuberculosis. G. A. Smirnov. *Sov. med.* 38 no. 4:61-70 Ap '65.

X-ray examination of early and late complications following radical operations in pulmonary tuberculosis. Z. A. Shulueva. *Vest. rent. i rad.* 40 no. 2:67-68 Mr-Ap '65.

## TUBERCULOSIS—HOSPITALS AND SANATORIUMS

Role of a dispensary for tuberculosis control in the detection of lung cancer. S. I. Bulanova, V. B. Smulevich, A. Sh. Sherman. *Vop. onk.* 11 no. 3:85-89 '65.

## TUBERCULOSIS IN ANIMALS

Comparative evaluation of dry purified and "old" tuberculin in the diagnosis of tuberculosis in camels. L. P. Abramov. *Veterinariia* 42 no. 6:136-37 Ju '65.  
Greater persistence in the elimination of tuberculosis and brucellosis. *Veterinariia* 42 no. 6:1-3 Ju '65.  
Observations on the instruction "Measures for controlling tuberculosis in livestock." A. I. Protasov. *Veterinariia* 42 no. 6:35-38 Ju '65.

Problem of the elimination of tuberculosis in cattle. I. V. Poddubskii. *Veterinariia* 42 no. 6:32-34 Ju '65.

## TUBERCULOSIS IN POULTRY

(see also subdivision under Leningrad Province)  
Epidemiology of tuberculosis in ducks. V. S. Fedoshev. *Veterinariia* 42 no. 6:46 Ju '65.  
Serologic diagnosis of tuberculosis in ducks. N. S. Shepelev, L. V. Sokolova, G. F. L'vova. *Veterinariia* 42 no. 6:28-29 Ju '65.

## TUBES—WELDING

Resistance welding of thin walled aluminum and copper tubes. V. L. Vengrlovich and others. *Svar. proizv.* no. 4:31-32 Ap '65.

## TUBMAN, HARRIET, 1820-1913

Volna, V. A. [Harriet Tubman (1820-1913); conductor of the "Underground Railroad"] *Konduktor "Tainoi zhelezno dorogi"* [Harriet Tubman (1820-1913); strannitsy gerotcheskoi zhizni. Moskva, Mysl', 1965. 101 p.

## TUGBOATS

Effectiveness of improving the maneuverability of pusher tug boats by the forced bend. N. Komissarov, E. Migunov. *Rech. transp.* 3 no. 12:10-13 D '64.

## TULA—SWINE—FEEDING AND FEEDS

Conveying liquid feed mixtures by pumps. L. Lavrushin. *Tekh. v. sel'khoz.* 25 no. 5:23-25 My '65.

## TULA—TYPHOID FEVER

Typhoid fever in Tula during the period 1881-1962. I. P. Solodovnikov, E. N. Zheludkina, P. S. Nogovitsina. *Zhur. mikrobiol., epid. i immunit.* 42 no. 2:37-41 F '65.

## TULA—WORLD WAR, 1939-1945

On the front line. V. Samokhvalov, S. Galkin. *Pozh. delo* no. 5:12 My '65.

## TULA PROVINCE—STATE FARMS

Construction projects of a state farm. M. Shulenin. *Zhil. i kom. khoz.* 15 no. 4:20 Ap '65.

## TULAREMIA

(see also subdivision under Stavropol Territory; Yakutia)

Cases of tularemia in sheep in Stavropol Territory. A. A. Bannikov, R. S. Khurshudians, M. N. Belikov. *Veterinariia* 42 no. 5:59-60 My '65.

Effect of streptomycin on the effectiveness of experimental immunization with live vaccines. Report No. 3. Introduction of streptomycin following immunization with tularemia vaccine. T. D. Khokhlov. *Zhur. mikrobiol., epid. i immunit.* 42 no. 3:145-146 Mr '65.

Immunobiological effectiveness of associated vaccines against plague, tularemia and brucellosis in various methods of its epicutaneous use. V. G. Filipenko, T. A. Shekhdina, A. M. Polakova. *Zhur. mikrobiol., epid. i immunit.* 42 no. 1:14-21 Ju '65.

Pathogenesis of the pulmonary form of experimental tularemia. R. A. Savileva, E. V. Ananova. *Zhur. mikrobiol., epid. i immunit.* 42 no. 3:65-70 Mr '65.

# TUL'CHIN DISTRICT—SWINE

Great help A Dudzik Sov poireb koop 8 no 3-11 Mr '65

# TULIN, VIACHESLAV SEMENOVICH, 1904-

Professor V S Tulin, on his 60th birthday, G.V. Aiksenko and others Elektricheskoye no 3 90 M '65.

# TULIPS—VARIETIES see subdivision under Michurinsk

# TUMANIAN, OVANES, 1869-1923

Poetic epic of Ovanes Tumanian, S. Melik-Nubarov, Vop. lit. 9 no 6 198-200 Je '65

# TUMORS

Antigenic differences between the tumorous and homologous normal tissues detected by means of normal tissue antibodies M S. Lomakin, I U S Krivosheina, Biol eksp biol izved 59 no 6 81-86 Je '65.

Case of an atypical course of metastases in hypernephroma, I. N. Ustarova, O A. Ustarova, Vest. rent. i rad. 40 no. 162-63 Ja-F '65.

Current data on the innervation of tumors I V Skodromova Trudy Inst norm i pat fiziol AMN SSSR 7 82-83 '64

Effect of cortisone on the intracutaneous antitumor immunity, K P Balitskii, I U A. Umanski, O. E. Pridatko, Probl. endok i gorm 10 no. 4:82-84 Ji-Ag '64

Resistance to the virus and cell antigens of Rous sarcoma R. M. Radzikhovskaya Vop onk 11 no 1:39-43 '65

# TUNGSTATES

System  $\text{Na}_2\text{WO}_4 - \text{NH}_4\text{Cl} - \text{HCl} - \text{H}_2\text{O}$  at 25°C and pH 7.0, K. A. Shapira, I U N. Ustarevich, V. V. Kulakova, Zhur. neorg. khim 10 no 4 961-964 Ap '65.

X-ray and dilatometric studies of the systems  $\text{PbZrO}_3 - \text{PbWO}_4(\text{MoO}_4)$ , I. N. Beliaev, L. N. Averbach, I. I. Beliaev, Izv. AN SSSR. Neorg. mat. 1 no. 3 392-394 Mr '65.

# TUNGSTEN see subdivision under Allal Mountains

# TUNGSTEN FLUORIDE

Hydrolysis of tungsten hexafluoride, I U A. Buslaev, V. A. Bochkareva, Izv. AN SSSR. Neorg. mat 1 no. 3 316-320 Mr '65.

# TUNGSTIC ACIDS

Telluric-tungstic heteropoly acids in hydrochloric and sulfuric acid media, E. Sh. Ganelina, N. I. Norevskina, Zhur. neorg. khim. 10 no 4 894-899 Ap '65.

# TUNGUSKA, NIZHNYAYA see Lower Tunguska Valley

# TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

# TUNING

Instrument for tuning pianos V Lavrin Radio no 3 24-25 Mr '65

# TUNNEL DIODES

Parameters of a tunnel diode for large harmonic signal operation, I U L. Simonov, Radiotekhnika 20 no. 4: 62-65 Ap '65.

Use of tunnel diodes in automatic control systems I A. D. Barkan Elektricheskoye no. 5 35-38 My '65

# TUNNELING

(see also subdivision under Aswan Dam)

Selecting the method for the construction of railroad tunnels, V. E. Nazarbegov, Trudy GPI [Gruz.] no. 7: 115-127 '63.

# TUNNELS

Savits, K. D. [Railroad engineering structures] Iskusstvennye sooruzheniya zheleznnykh dorog. Izd. 2., perer. Moskva, Transport, 1965, 223 p.

# TUNNELS—MAINTENANCE AND REPAIR

Design of drain holes for the drainage of operating tunnels, A. I. Khutsishvili, Trudy GPI [Gruz.] no. 7: 153-160 '63.

# TURAN LOWLAND—PETROLEUM GEOLOGY

Nalivkin, V. D., and others. [Comparative analysis of the oil and gas potential and the tectonics of the West Siberian and Turan-Scythian platforms] Sravnitel'nyi analiz neftegazonosnosti i tektoniki Zapadno-Sibirskoi i Turano-Skifskoi plit. Leningrad, Nedra, 1965, 322 p. (Leningrad. Vsesoyuznyi nauchno-issledovatel'skii geologorazvedochnyi institut, Trudy, no. 238)

# TURBINES

Akademiya nauk URSS, Kiev, Institut mekhaniky. Khar'kovskii filial. [Operating processes in turbomachines and the stability of their elements] Rabochie protsessy v turbomashinskikh i prochnost' ikh elementov. Kiev, Naukova dumka, 1965, 172 p.

Calculation of the expenditure of a working fluid in turbines with few stages, V. A. Abramskii, Izv. vys. ucheb. zav., energ. 8 no 5 63-68 My '65

Diagram of pressure distribution on the vane surface of a turbine as a basis for determining turbine efficiency V T. Ustinov, P. P. Emets Energomashinostroenie 11 no 4 5-8 Ap '65

Effect of the nonsteady flow of fluids on the torque of the turbine of a hydraulic torque converter, M. P. Brench, Izv. vys. ucheb. zav., energ. 8 no 5 63-67 My '65.

Letter to the editor N Z Suponitski Energomashinostroenie 11 no 5 44-46 My '65

# TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur. 'Turbostr. no. 6 Je '65

# TURBODRILLS

Effect of the deflection of a turbine drill on the possible increase of the deviation angle when drilling with an eccentric nipple, N. A. Grigor'yan, A. G. Mdivani, T. Kh. Suleimanov, Izv. AN Azerb. SSR, Ser. geol. - geog. 1:78-83 '64.

Efficiency characteristics of a turbodrill, M. T. Gajman, A I Ageev Neft, khim. 43 no 5 11-16 My '65

Irregularity in the distribution of the load in the multiple axial support of a turbodrill, A. V. Kol'tchenko, A. I. Titarenko Neft i gaz, prom. no 2 21-23 Ap-Je '65.

# TURBOGENERATORS

Automatic system for the protection of the thrust bearing of turbogenerators, I. F. Gleizer, E. S. Khasilev, Sakh. prom. 39 no. 141-44 Ap '65.

Construction of hydraulic turbines in the S. M. Kir'ov Turbogenerator Plant in Kharkov, N N Bobuk Energomashinostroenie 11 no 3 15-18 Mi '65

Development of single-shaft turbogenerator units I. V. Shapiro Teploenergetika 12 no 3:90-92 Mi '65

# TURBOGENERATORS—COOLING

Some characteristics of hydrogen-cooled turbogenerators, A. Antonov, Prom. Arm. 8 no. 4:40-42 Ap '65.

# TURBOGENERATORS—SAFETY MEASURES

Protection from short-circuits to ground of a generator rotor with valve excitation G. B. Chernikov, Elektricheskoye no 5 38-44 My '65

# TURBOMACHINES

Results of the testing of Freon turbocompressor refrigerating machinery, F. Z. Bukhter and others, Khol. tekhn. 42 no 1 13-19 Ja-F '65.

# TURBOMACHINES—TESTING

Experimental study of a radial flow turboexpander with partial gas supply A B Davydov, V. I. Epifanova, Trudy VNIIMASH no. 6 111-124 '65

# TURBOMACHINES—VIBRATION

Stabilization of rotors and pistons by means of vibration, S I Sergeev Trudy VNIIMASH no 6:92-110 '65.

# TURBULENCE

(see also subdivision under Dniester River)

Approximate equations of the length of disturbance and lateral scale of turbulence, I U V. Chernov, Uch. zap. Mord gos. un. no. 15 pt 2:62-67 '63.

Experimental study of the horizontal turbulent diffusion of a patch of admixture in a sea, V. P. Kilechenko, Mat. rybokhoz issl Sov. bas no. 4 101-105 '64.

Influence of the character of distribution of turbulence coefficients in the sea and atmosphere on the profiles of the velocity of drift currents and wind above the sea, B. A. Kagan, Trudy Len. gidromet. inst. no. 17:128-142 '64.

Theory of axisymmetrical turbulence, M. N. Repnikov, Prikl. mat i mekh '9 no 2:356 Mr-Ap '65.

# TURGENEV, IVAN SERGEEVICH, 1818-1883

Turgenev, I. S. [Complete collection of works and letters in twenty-eight volumes. Letters in thirteen volumes] Polnoe sobranie sochinenii i pisem v dvadtsati vos'mi tomakh; pis'ma v trindtsati tomakh. Moskva, Nauka, Vol. 9, [Letters, 1871-1872] Pis'ma 1871-1872, 648 p.

# TURKESTAN RANGE—RUNOFF

Surface runoff from the northern slope of the Turkestan Range, A. F. Shadnev, K. G. Ganiev, Uzb. geol. zhur. 9 no. 2:11-17 '65.

# TURKEY

Turkey, M. A. Gasratian, Strany Blizh. i Sred. Vost. no. 1:39-55 '64.

# TURKEY—FOREIGN RELATIONS—RUSSIA

Bagirov, I U A. [From the history of Soviet-Turkish relations, 1920-1922] Iz istorii sovetsko-tur'skikh otnoshenii v 1920-1922 gg.; po materialam Azerbaidzhanskoi SSR, Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1965, 142 p. In Atatürk's time and now... Boris Izakov, Nov. vrem 23 no. 25:16-17 Je '65.

In the interest of good neighborliness, M. Mikhailov, Mezhdunar. zhizn' 12 no. 7:53-59 Ji '65.

Kemal Atatürk "We are friends with Russia," Mezhdunar. zhizn' 12 no. 8:140-141 Je '65

# TURKEY—LABOR AND LABORING CLASSES

Against monopoly dominance, I. Suetina, A. Z. Iaterunskii, Sov. profsoyuzy 21 no. 12:37-38 Je '65.

# TURKEYS—DISEASES AND PESTS

Pathomorphological diagnosis of typhloperitidiosis in turkeys, A. A. Ibragimov, Veterinarika 41 no. 1:16 41 Ap '65.

# TURKMEN—MARRIAGE CUSTOMS AND RITES

Marriage rites of the Turkmen in the Sunbatai and Chandyra Valleys at the end of the 19th and beginning of the 20th century D. Ozerov, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6:27-34 '64.

# TURKMEN DRAMA—HISTORY AND CRITICISM

Kerim, Kuvanch, [Turkmen theater: historical sketch] Turkmenkii teatr; ocherk istorii. Pod obshch. red., Georga Golina, Moskva, Iskustvo, 1964, 225 p. (NIC)

# TURKMENISTAN—CARDUIDAE, FOSSIL

New Akechagyl Carduidae of Turkmenia, M. G. Chudintsev, Paleont. zhur. no. 2:23-31 '65.

# TURKMENISTAN—COLLECTIVE FARMS—MANAGEMENT

Certain problems concerning the economic development of the lagging collective farms in the Turkmen S. S. R., M. A. Ambatunova, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6:90-94 '64.

# TURKMENISTAN—CONSTITUTION

Adoption of the constitution of the Turkmen S. S. R., 1937, B. M. Maizhev, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6:3-9 '64.

# TURKMENISTAN—CRIMINAL LAW

Some special features of crimes consisting of remnants of local customs, according to the present Criminal Code of the Turkmen S. S. R., B. Sa'yev, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6:44-53 '64.

# TURKMENISTAN—GEOLOGY

Akademiya nauk Turkmeniskoi SSR, Ashkhabad, [Turkmen geology], [Problems of the geology of Turkmenia: materials for the 22d International Geological Congress] Voprosy geologii Turkmenii, materialy k XXII Mezhdunarodnomu geologicheskomu kongressu. Ashkhabad, Turkmenkoe izd-vo, 1965, 242 p.

# TURKMENISTAN—LABOR AND LABORING CLASSES—EDUCATION

Training of qualified workers' groups in the system for developing hidden labor potentialities of the Turkmen S. S. R.; 1946-1958, S. Ashurov, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6:10-10 '64.

# TURKMENISTAN—RELATIONS (GENERAL) WITH RUSSIA

Agayev, Khalyim, [Relations between the Caspian Sea Turkmen and Russia in the 10th century (before their incorporation into Russia)] Vzaimootnosheniya prikladnykh turkmen s Rossiei v XIX veke (do prisoedineniya Rossii), Ashkhabad, Turkmenkoe izd-vo, 1965, 102 p.

# TURKMENISTAN—SOCIAL LIFE AND CUSTOMS

Some special features of crimes consisting of remnants of local customs, according to the present Criminal Code of the Turkmen S. S. R., B. Sa'yev, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 6:44-53 '64.

# TURKMENISTAN—THEATER

Maturity and specific character, G. Shchetikhina, Teatr 26 no. 6:49-58 Je '65.

# TURPENTINE INDUSTRY—COSTS

Ways to reduce the cost of production in turpentine, I U M. Kulomzin, Gidroliz. i lesokhim. prom. 18 no. 4:26-28 '65.

# TURPENTINING

Seminar on turpentinizing, G. V. Iakovlev, Gidroliz. i lesokhim. prom. 18 no. 4:31-32 '65.

# TURQUOISE see subdivision under Kyzyl Kum

# TUVA A.S.S.R.—COMMUNIST PARTY OF THE SOVIET UNION

Sholgov, K. S., and A. F. Emel'yanov, [The new in life and the new in man] Novoe v zhizni - novoe v cheloveke. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1964, 116 p. (CS-H)

# TUVA A.S.S.R.—DESCRIPTION

[Track on earth; sketches on Tuva journalists] Sed na zemle; ocherki zhurnalistov Tuvy. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1964, 53 p. (CS-H)





**UKRAINE—CODLING MOTH—EXTIRPATION**

Controlling the codling moth *Carpocapsa pomonella*.  
A. Olfir, L. Bugdan, Zashch. rast. ot vred. bol., 10  
no. 5 23-24 '65.

**UKRAINE—COLLECTIVE FARMS**

Role of state property in the development of collective-  
farm property. S. Shavronskiy, Ekon. Rad. Ukr. 8  
no. 6 29-32 Je '65.

**UKRAINE—COLLECTIVE FARMS—INCOME DISTRIBUTION**

Guaranteed wages should be introduced on all collective  
farms. S. Polonchuk, Ekon. Rad. Ukr. 8 no. 3 28-32  
My '65.

**UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION**

Fully utilize every possibility and hidden potentiality  
in the development of agriculture. Komm. Ukr. 39  
no. 6 2-10 Je '65.

**UKRAINE—CONSTRUCTION INDUSTRY—INFORMATION SERVICES**

Inspection-competition for the best system of informa-  
tion work in construction organizations and the building  
materials industry of the Ukraine. K. A. Beeskil, M. M.  
Marchevskii, NTI no. 4 22 '65.

**UKRAINE—CORN (MAIZE)**

Corn as fallow crop. N. N. Martynovich, Zemledelie  
27 no. 5 45-48 My '65.

Crawler tractor-driven wide-grab unit for intertillage  
cultivation. A. Vaganov, V. Zhigan, Tekh. v sel'sk. khoz.  
25 no. 5 46-48 My '65.

Methods for corn planting. M. V. Kuz'menko, V. G.  
Chenokai, Zemledelie 27 no. 5 37-42 My '65.

**UKRAINE—DANCING**

*Ukrainian folk dances*. [Collection Ukrainian folk dances] Zbir-  
nyk ukrains'kykh narodnykh tantyiv. New York, Ukrain-  
ske vyd-vo "Horielia," 1962. 93 p. illus., diagrs.  
(NNC)

**UKRAINE—DISTILLING INDUSTRIES—MANAGEMENT**

Potentialities of the efficient use of capital assets in the  
alcohol industry. P. Rudnyts'kyi, Ekon. Rad. Ukr. 8  
no. 3 21-27 Mr '65.

**UKRAINE—DOLOMITE**

Limestones and dolomites. B. F. Zernets'kyi [Pratsi]  
Inst. geol. nauk AN URSR, Ser. geol. rad. kor. kop. no. 1.  
71-85 '63.

**UKRAINE—ECONOMIC CONDITIONS**

National economy of the Ukrainian S.S.R. in 1964.  
V. Burlin, Ekon. Rad. Ukr. 8 no. 3 8-15 Mr '65.

**UKRAINE—ECONOMIC RESEARCH**

In the Economics Research Institute of the State Planning  
Committee of the Ukrainian S.S.R. V. Herrysh,  
K. Prymak, Ekon. Rad. Ukr. 8 no. 6 95-98 Je '65.

**UKRAINE—ELECTRIC POWER PLANTS—TECHNOLOGICAL INNOVATIONS**

What should be paid attention to. Ekon. Rad. Ukr. 8  
no. 5 86-87 Je '65.

**UKRAINE—FERTILIZERS AND MANURES—TRANSPORTATION**

Planning the transportation of potassium fertilizers by  
the method of linear programming. V. Horodov, Ekon.  
Rad. Ukr. 8 no. 3 18-22 Mr '65.

**UKRAINE—FISH INTRODUCTION**

Acclimatization of the fauna of the Uman-Caspian type  
in reservoirs of the Ukraine. P. A. Zhuravet',  
Gidrobiol. zhur. 1 no. 3 58-65 '65.

**UKRAINE—FLOODS**

Study of torrential floods, conference in Lvov. A. N.  
Olfir, Vest. AN SSSR 35 no. 5 112 My '65.

**UKRAINE—FOOD SERVICE**

Problems of developing the public dining system.  
O. Kocherha, Ekon. Rad. Ukr. 8 no. 6 15-23 Je '65.

**UKRAINE—FOREIGN ECONOMIC RELATIONS—CZECHOSLOVAKIA**

Fraternal relations of the Ukraine and Czechoslovakia.  
V. Bondarenko, Ekon. Rad. Ukr. 8 no. 6 86-92 Je '65.

**UKRAINE—FURNITURE**

New sets of furniture. N. I. Shutenko, Bum. i der. prom.,  
no. 2 22-24 Ap-Je '65.

**UKRAINE—GAS, NATURAL—GEOLOGY**

Prospecting for gas in the western regions of the  
Ukraine. G. I. Azhokhin and others, Gaz. prom. 10  
no. 5 6-9 '65.

**UKRAINE—GEOLOGY—BIBLIOGRAPHY**

Literature. [Pratsi] Inst. geol. nauk AN URSR, Ser. geol.  
rad. kor. kop. no. 1 180-181 '63.

**UKRAINE—GEOLOGY, STRATIGRAPHIC**

*Kollokvium po mikrofaune i biostratigrafii Maikopskoi to-  
shei i ee vozrastnykh analogov*. Ist. Lvov, 1961.  
[Maikop sediments and their age analogues in the  
Ukraine and Central Asia, materials] Maikopskie otlo-  
zheniia i ikh vozrastnye analogi na Ukraine i v Srednei  
Azii, materialy. Kiev, Naukova dumka, 1964. 209 p.

**UKRAINE—GEOLOGY, STRUCTURAL**

Schematic sketch of the geological structure of the  
Ukraine. L. G. Tkachuk [Pratsi] Inst. geol. nauk AN  
URSR, Ser. geol. rad. kor. kop. no. 1 5-9 '63.

**UKRAINE—GROUND BEETLES**

Species of ground beetles, feeding on plants, in the  
southern Ukraine. G. P. Naidenov, Zool. zhur. 44  
no. 4 613-615 '65.

**UKRAINE—GYPSUM**

Gypsum and anhydrite. N. M. Dunaeva. [Pratsi] Inst.  
geol. nauk AN URSR, Ser. geol. rad. kor. kop. no. 1 59-  
66 '63.

**UKRAINE—HEALTH RESORTS, WATERING-PLACES, ETC.—CLASSIFICATION**

City-planning classification of health resorts. V. Zaitse-  
va and others, Stroi. i arkh. 13 no. 5 3-8 My '65.

**UKRAINE—HISTORIOGRAPHY**

Study and exploit the historiographical heritage thor-  
oughly. I. Gurakhi, V. Sarbei, Komm. Ukr. 30 no. 6 10-  
20 Je '65.

**UKRAINE—HISTORY**

*Istyt ukrains'kol kul'tury v Amerytsi*. [Ukraine in  
the dawn of history] Ukraina na dosivku istorii.  
Detroit, 1962. 39 p. illus., plates. (Torem, problemy  
ukrains'kol kul'tury, no. 1)

**(CAOTU)**

Petranko, V. S. [Raising the cultural and technical level  
of collective farmers in the Ukraine (1953-1961)] Zro-  
stannya kul'turno-tekhnicheskoi rylivni kolhospnogo selian-  
stva Ukrainy (1953-1961 rr.) Kyiv, Naukova dumka,  
1964. 224 p.  
(VIU)

**UKRAINE—INDUSTRIAL CAPACITY**

Introduce and master the productive capacity faster.  
N. Lelichenko, Ekon. Rad. Ukr. 8 no. 6 3-8 Je '65.

**UKRAINE—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION**

Introduce and master the productive capacity faster.  
M. Lelichenko, Ekon. Rad. Ukr. 8 no. 6 3-8 Je '65.

Practice in introducing continuous operation methods.  
B. Bashirskov, Ekon. strol. no. 5 10-13 My '65.

**UKRAINE—INDUSTRIAL PROCUREMENT—MATHEMATICAL MODELS**

Use of linear programming in planning the metal supply  
of industrial enterprises. M. Mikhno, Ekon. Rad. Ukr.  
8 no. 6 89-94 Je '65.

**UKRAINE—INDUSTRIES**

Ukrainian industrial fair. V. Chernenko, Ekon. Rad. Ukr.  
8 no. 6 84 Je '65.

**UKRAINE—IRON ORES**

Some characteristics of the distribution of sedimentary  
iron ores in the Ukraine. IU, N. I. azarenko, Lit. i  
pol. iskop. no. 2 157-161 Mr-Apr '65.

**UKRAINE—KAOLIN**

Kaolin. IU, O. Rus'ko, [Pratsi] Inst. geol. nauk AN URSR,  
Ser. geol. rad. kor. kop. no. 1 140-149 '63.

**UKRAINE—KERAMZIT**

Keramzlit raw material. I. S. Soloninko, [Pratsi]  
Inst. geol. nauk AN URSR, Ser. geol. rad. kor. kop. no. 1:  
148-157 '63.

**UKRAINE—LIMESTONE**

Limestones and dolomites. B. F. Zernets'kyi, [Pratsi]  
Inst. geol. nauk AN URSR, Ser. geol. rad. kor. kop. no. 1:  
71-85 '63.

**UKRAINE—LOAM SOILS**

Brick and tile clay and loam. A. P. Romodanova,  
[Pratsi] Inst. geol. nauk AN URSR, Ser. geol. rad. kor.  
kop. no. 1 118-128 '63.

**UKRAINE—LUPINE**

A valuable green fallow crop. I. P. Proskura, S. A.  
Bachevskii, Zemledelie 27 no. 5 26-30 My '65.

**UKRAINE—MACHINE TOOLS—RELIABILITY**

Increasing the reliability and durability of machine tools.  
IU, V. Shakhrai, Mashinostroenie no. 3 7-8 My-Je '65.

**UKRAINE—MACHINERY INDUSTRY—MANAGEMENT**

Production of the Ukrainian machinery industry should  
be on a higher level. Mashinostroenie no. 3 3-8 My-  
Je '65.

**UKRAINE—MACHINE INDUSTRY—QUALITY CONTROL**

Improving quality and durability is the most important  
task of machinery manufacturing workers. P. Bylyuchenko,  
A. Reventov, Ekon. Rad. Ukr. 8 no. 3 16-20 Mr '65.

**UKRAINE—MARBLE**

Marble. I. S. Soloninko, [Pratsi] Inst. geol. nauk AN  
URSR, Ser. geol. rad. kor. kop. no. 1 47-53 '63.

**UKRAINE—MEDICAL COLLEGES**

Kiev, Medychnyi Institut. [Sketches on the history of  
higher medical education and the scientific medical  
schools in the Ukraine] Ocherki istorii vysshego  
meditsinskogo obrazovaniia i nauchnykh meditsinskikh  
shkol na Ukraine. Pod red. V. D. Bratusia i dr. Kiev,  
Zdorov'ia, 1965. 263 p.

**UKRAINE—METALS, RARE AND MINOR**

Developing the production of nonferrous and rare metals.  
A. Khramov, A. Makhiachev, Komm. Ukr. 39 no. 6:  
87-89 Je '65.

**UKRAINE—MICROBIOLOGY—CONGRESSES**

Second Congress of the Ukrainian Microbiological  
Society. S. I. Zolopukha, M. K. Karpenko, S. M. Khar-  
chenko, Mikrobiol. zhur. 27 no. 3 91-97 '65.

**UKRAINE—MILKING PARLORS—HYGIENIC ASPECTS**

Sanitary conditions of the "Ukrainian carousel-type"  
arrangements for milking parlors (KDU-1 and KDU-5).  
I. I. Arkhangel'skii, I. P. Danilenko, Veterinarlia 41  
no. 4 94-97 Ap '65.

**UKRAINE—MOSAIC DISEASE**

Bean mosaic in the Ukraine. D. F. Ratajova, Mikrobiol.  
zhur. 27 no. 3 149-62 '65.

**UKRAINE—NONFERROUS METAL INDUSTRIES**

Developing the production of nonferrous and rare metals.  
A. Khramov, A. Makhiachev, Komm. Ukr. 39 no. 6:  
87-89 Je '65.

**UKRAINE—OIL WELLS—TESTING**

Analyzing the organization of operations in well testing  
in the Ukrainian S.S.R. A. I. Porchuk, Nef. i gaz.  
prom. no. 2 37-49 Ap-Je '65.

**UKRAINE—OPHTHALMOLOGY—CONGRESSES**

*S'ezd oftalmologov Ukrain'skol SSR*. 4th, Odessa, 1962.  
[Transactions of the 4th Congress of Ophthalmologists  
of the Ukrainian S.S.R.] Trudy. Kiev, Zdorov'ia,  
1964. 624 p.  
(DNLM)

**UKRAINE—ORE DRESSING—FINANCE**

Efficiency of capital investments in developing the prep-  
aration of iron ore. M. Seredenko, A. Irmel'yanov,  
M. Kuhnhev, Ekon. Rad. Ukr. 8 no. 6 33-37 Je '65.

**UKRAINE—PALEOGEOGRAPHY**

New data on the relationship between the sea of the  
Dnieper-Donets and Black Sea Depressions across the  
Konka-Yaly trough. F. M. Dysan, Geol. zhur. 25  
no. 2 82-86 '65.

**UKRAINE—PERLITE (MINERAL)**

Perlite raw materials. I. S. Soloninko, [Pratsi] Inst.  
geol. nauk AN URSR, Ser. geol. rad. kor. kop. no. 1 167-  
174 '63.

**UKRAINE—PETROLEUM GEOLOGY**

Honia, Z. T., and T. T. Honia. [Petroleum wealth of  
the Ukraine] Naftovi bahatstva Ukrainy, Kyiv,  
Dorshchikivdyv URSR, 1962. 105 p. (Naukovo-poi-  
slarna biblioteka)

**UKRAINE—PETROLEUM REFINING—FINANCE**

Capital investments in the petroleum refining industry  
of the Ukraine. P. F. Zhardatskii, Nef. i gaz. prom.  
no. 2 67-69 Ap-Je '65.

**UKRAINE—PIGMENTS**

Natural mineral pigments. O. L. Lytvyn, V. G. Kuli-  
chenko, [Pratsi] Inst. geol. nauk AN URSR, Ser. geol.  
rad. kor. kop. no. 1 158-168 '63.

**UKRAINE—PIPELINES**

Use of machinery and trust's profitability. IA. Shchinkman,  
Ekon. strol. no. 5 88-69 My '65.

**UKRAINE—RECONSTRUCTION**

Fraternal assistance of the Soviet peoples in reconstruct-  
ing the Ukrainian national economy after the Great Pa-  
triotic War. A. S. Kudlai, Vop. lat. 40 no. 7 121-30  
Jl '65.

**UKRAINE—RESEARCH**

The front line of scientific and technological progress.  
A. Shcherban', Komm. Ukr. 39 no. 6 66-76 Je '65.

## UKRAINE—REVOLUTION, 1917-1921

Bogozhin, A. I. [All-Ukrainian Cheka in the period of foreign military intervention and the civil war, outline of lectures] Vseukrainskaia ChK v period inostrannoi voennoi interventsii i grazhdanskoi volny, konspekt lektsii. Khar'kov, Khar'kovskii luridicheskii in-t, 1964, 68 p. (CSL-II)

## UKRAINE—ROCKS—MAGNETIC PROPERTIES

Magnetic stability of basic rocks in the Volynskii Massif. N. P. Mikhailova. Geofiz. sbor. no. 9-52-63 '64.

## UKRAINE—RURAL CONSTRUCTION

Reliable base for industrial construction; Republic-wide seminar on rural construction. Sil bud 15 no. 2 20 F '65.

Wor better in 1955 than in the previous year. M. Kolo-til. Sil bud 15 no. 2-2 F '65.

## UKRAINE—SAND, GLASS

Sand for glass. O. V. Ivanikov. [Pratsi] Inst. geol. nauk AN URSR. Ser. geol. rod. kor. kop. no. 1:128-140 '63.

## UKRAINE—SAND AND GRAVEL INDUSTRY

Building sand and ballast. A. P. Romodanov. [Pratsi] Inst. geol. nauk AN URSR. Ser. geol. rod. kor. kop. no. 1 85-90 '63.

## UKRAINE—SANDSTONE

Sandstone. N. M. Dunayeva. [Pratsi] Inst. geol. nauk AN URSR. Ser. geol. rod. kor. kop. no. 1:68-71 '63.

## UKRAINE—SLAVIC ANTIQUITIES

Not then boundary of the Chernykhov Culture monuments. E. A. Symonovich. Mat. i issl. po arkheol. SSSR no. 110 7-43 '64.

## UKRAINE—SLAVIC STUDIES

The Sixth Ukrainian Conference on Slavic Studies. A. R. Volkov. Sov. slav. no. 2:100-113 '65.

## UKRAINE—SOCIALIST PROPERTY

Role of state property in the development of collective-farm property. S. Shavron's'kiy. Ekon. Rad. Ukr. 8 no. 6:20-32 Je '65.

## UKRAINE—SPRAYING AND DUSTING IN AGRICULTURE

Low-volume spraying of fields in the Ukraine. M. Kuznetsov. Zashch. rast. ot vred. i bol. 10 no. 4:11 '65.

## UKRAINE—STEEL INDUSTRY—EQUIPMENT AND SUPPLIES

Use of linear programming in planning the metal supply of industrial enterprises. M. Mikhno. Ekon. Rad. Ukr. 8 no. 6:69-74 Je '65.

## UKRAINE—SUGAR BEETS

Low-volume spraying of fields in the Ukraine. M. Kuznetsov. Zashch. rast. ot vred. i bol. 10 no. 4:11 '65.

## UKRAINE—SUGAR INDUSTRY—FINANCE

Some problems of capital yield in the sugar industry. M. Makhynto, V. Mav'ianchyk. Ekon. Rad. Ukr. 8 no. 6:38-44 Je '65.

## UKRAINE—SUGGESTION SYSTEMS

Indestructible source. P. Riabokon'. Ekon. Rad. Ukr. 8 no. 6:81-84 Je '65.

## UKRAINE—TANKS

Utilization of metal and plastic pontoons in tanks on the tank farms of the Main Administration for the Supply of the National Economy with petroleum products and for Marketing in the Ukrainian S. S. R. A. N. Khlebnikov. Neft, i gaz. prom. no. 2:80-82 Ap-Je '65.

## UKRAINE—TECHNOLOGICAL INNOVATIONS

The front line of scientific and technological progress. A. Shecherban'. Komm. Ukr. 38 no. 6:68-75 Je '65. Exhaustible source. P. Riabokon'. Ekon. Rad. Ukr. 8 no. 6:81-84 Je '65.

## UKRAINE—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Central interbranch operational service. L. Zaenchik. Avi. transp. 43 no. 2:11-12 F '65.

## UKRAINE—VERMICULITE

Vermiculite is a valuable building material. I. S. Soloninko, A. I. Mokrenko. [Pratsi] Inst. geol. nauk AN URSR. Ser. geol. rod. kor. kop. no. 1:178-179 '63.

## UKRAINE—VIEWS

[Through the Soviet Ukraine] photo report] Po rad. Ukr. no. 12 '61, no. 1 '62, no. 1/2 '63.

## UKRAINE—VOLCANIC ASH, TUFF, ETC.

Volcanic tuff. I. S. Soloninko. [Pratsi] Inst. geol. nauk AN URSR. Ser. geol. rod. kor. kop. no. 1:33-42 '63.

## UKRAINE—WORLD WAR, 1939-1945—SUPPLIES

National economy of the Ukraine in the service of the front during the first period of the Great Patriotic War. V. Mazlyo. Ekon. Rad. Ukr. 8 no. 3:67-70 Mr '65.

## UKRAINE, WESTERN—TREES

Tsybyk, B. I. [Guide to the identification of the wood of tree species of the western provinces of the Ukrainian S. S. R. (based on macroscopic indices)] Opredeitel' drevesnykh drevesnykh posod zapadnykh oblastei USSR (po makroskopicheskim priznakam). [L'vov] Izd-vo L'vovskogo univ., 1953. 52 p.

## UKRAINIAN ART see Art, Ukrainian

## UKRAINIAN FOLK SONGS see Folk songs, Ukrainian

## UKRAINIAN LANGUAGE—ADJECTIVE

Hrynychyn, D. H. [Substantivation in the Ukrainian language; substantivation of adjectives] IAvysheche substantyvativ v ukrains'koi movi; substantyvatyia pryknymykyv. Kyiv, Naukova dumka, 1955. 109 p.

## UKRAINIAN LANGUAGE—GRAMMAR

Kysilevskyi, Kost'. [We are learning the Ukrainian language; orthographic and grammatical exercises for the fourth and fifth years of study of the Ukrainian language] Vychajmo ukrains'ku movu; pravopysni gramatychni vpravy dla chetvertoho i piatoho rokiv navchannia ukrains'koi movy. New York, Ukrain's'kyi Kongresovyi Komitet Ameriky, 1962. 88 p. (CAEFU)

## UKRAINIAN LANGUAGE—OLD UKRAINIAN

Akademiia nauk URSR, Kiev, Instytut movoznavstva. [Register of the Zhitomir city government at the end of the 16th century (1582-1588)] Aktova knyha Zhytomyr's'koho mis's'koho uradu kintsia XVI st. (1582-1588 rr.) Pidhotuvav do vyd. M. K. Bolechuk. Kyiv, Naukova dumka, 1965. 189 p. (Pamiatky ukrains'koi movy XVI st. Serlia aktyvnykh dokumentiv i hramot)

## UKRAINIAN LANGUAGE—STUDY AND TEACHING

Parkhomenko, O. M. [Ukrainian language; textbook for normal schools] Ukrains'ka mova; piduchnykh dla pedagogichnykh uchelyshch. Za red. V. S. Il'ina. Vyd. 3., vypr. Kyiv, Radnianska shkola, 1961. (PU)

## UKRAINIAN LITERATURE see subdivision under Transcarpathia

## UKRAINIAN PRIMERS see Primers, Ukrainian

## UKRAINIAN STUDENTS see subdivision under United States

## UKRAINIANS see subdivision under United States

## ULTRABASITE

(see also subdivision under Siberia)  
Metals of the platinum group in rock forming and necessary minerals of ultrabasic rocks. L. V. Razin, V. P. Kivostova, V. A. Novikov. Geokhimiia no. 2:150-174 F '65.  
Study of the material composition of the ultrabasic layer of the earth on the basis of studying ultrabasic rocks containing pyrope in kimberlites. A. P. Bobrichev, Geol. i geofiz. no. 3:90-114 '65.

## ULTRASONIC METAL CUTTING

Economic strength of an abrasive in ultrasonic and jet-abrasive grinding. I. A. Kachmarek. Vest mashinost. 45 no. 8:43-47 Je '65.

## ULTRASONIC TESTING

Application of ultrasonic waves in the study of the mechanical properties of glass textiles. I. D. Zubkov, E. M. Dorfman. Khim. prom. [Ukr.] no. 2:9-10 Ap-Je '65.  
New standards for ultrasonic testing. Part 1. G. S. L'vov, L. V. Chuev. Defektoskopia no. 1:53-56 '65.

Some characteristics of the acoustical impedance method of flaw detection. IU, V. Lange. Defektoskopia no. 1:44-53 '65.

Ultrasonic method for the control of the basic technological processes in beet-sugar manufacture. V. M. Lube and others. Sakh. prom. 38 no. 4:5-12 Ap '65.

## ULTRASONIC WAVES

(see also subdivision under Kursk Magnetic Anomaly)  
Role of the plasticizer in fiber destruction under the action of ultrasonic vibrations. V. T. Faerman. Khim. volok. no. 2:51-54 '65.

## ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

(see also subdivision under Moscow)  
Ultrasonic cleaning of parts. T. P. Kraush. Vest mashinost. 45 no. 6:51-52 Je '65.  
Ultrasonic unit for cleaning small parts. K. Blashkin. Avi. transp. 43 no. 6:36-37 Je '65.  
Use of regulated silicon rectifiers in ultrasonic frequency converter networks. M. M. Akodis, M. V. Gel'man, Elektrichesvo no. 3:26-30 Mr '65.  
Use of ultrasound in the production of metallic salts. A. J. Ruzanov. Trudy IREA no. 25:483-482 '63.  
Using ultrasonic techniques for electrolytic deposition of nickel coatings with given properties. V. A. Druchenko, S. A. Shapiro, V. D. Khizhkovskaia, Mashinostroenie no. 3:80 My-Je '65.

## ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic oscillations on the organisms of marine faunae and the process of faunae. M. A. Dolgopolskaya, A. M. Akseil'band. Trudy SRS 17:309-324 '61.

## ULTRASONIC WAVES—SPEED

Absorption and propagation rate of ultrasonic waves in mixtures. I. Kh. Nazirov, V. F. Nozdiov. Izv AN Uz. SSR. Ser. fiz.-mat. nauk 9 no. 1:109-111 '65.

Measuring the ultrasonic wave velocities in certain rocks. V. M. Meikulova. Izv AN SSSR Fiz zem no. 5:75-81 '65.

## ULTRAVIOLET RAYS

Formation and reactions of free radicals in organosilicon compounds subjected to ultraviolet irradiation. Part 1: Polyphenylmethylsiloxane. E. L. Zhuzhgov, N. N. Bubnov, V. V. Voevodskii. Kin. i kat. 6 no. 1:56-64 Ja-F '65.  
Method for detecting on electrophoretograms and chromatograms of substances absorbing ultraviolet rays in the 254-260 mμ zone (photography in ultraviolet rays). IU, N. Ksathko, N. A. Fedorov. Biol. ekap. biol. i med. 59 no. 6:124-134 Je '65.

## ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Effect of a glycolysis rate increase in yeast cells by ultraviolet light of mitogenic intensity. S. V. Konev, T. I. Lyskova. Dokl. AN SSSR 8 no. 3:180-183 Mr '65.

Effect of ultraviolet irradiation on the course of radiation sickness. T. A. Sviderskaya. Med. rad. 10 no. 2:50-56 F '65.

Effect of ultraviolet radiation on the development of calves. V. V. Dobrynin. Veterinaria 41 no. 4:61-63 Ap '65.

## ULTRAVIOLET RAYS—THERAPEUTIC USE

Effectiveness of using short-ultraviolet rays in the treatment of scarlet fever. K. A. Amirdzhanov, M. G. Valdova. Azerb. med. zhur. 42 no. 3:54-59 Mr '65.  
Treating mastitis in cows by ultrasonic waves. V. A. Parikov. Veterinaria 42 no. 8:77-81 Je '65.

## UL'YANOVSK—APARTMENT HOUSES

Planned output of the housing construction combine will be attained. A. Orlov. Na stroi. Ros. 6 no. 4:4-6 Ap '65.

## UL'YANOVSK—BUILDING

On sagging ground. A. Budanov. Na stroi. Ros. 6 no. 4: 9 Ap '65.

## UL'YANOVSK—CARGO HANDLING

Numberless recording of cars in the port of Ul'yanovsk. M. Dral'sun. Rezh. transp. 23 no. 12:15-16 D '63.

## UL'YANOVSK—CEMENT PLANTS

Enlargement of a cement plant. D. Zhurba. V. Kindsfater. Na stroi. Ros. 6 no. 4:6 Ap '65.

## UL'YANOVSK—CITY PLANNING

Ul'yanovsk is being built up. A. Brosman, N. Kakhkadamova. Na stroi. Ros. 6 no. 4:1-2 Ap '65.

## UL'YANOVSK—CONSTRUCTION INDUSTRY

Industrial base is growing. M. Ermeev, A. Razinskii, B. Starikov. Na stroi. Ros. 6 no. 4:6-10 Ap '65.

## UL'YANOVSK—DESCRIPTION

Ul'yanovsk, Lenin's hometown. S. F. Legorov. Gor. khoz. Mosk. 39 no. 4:2-7 Ap '65.

## UL'YANOVSK—INDUSTRIAL BUILDINGS

Old plants are being reconstructed, new ones are being built. A. Korenev. Na stroi. Ros. 6 no. 4:2-3 Ap '65.

## UL'YANOVSK—SHOPPING CENTERS

Microdistrict service center in Ul'yanovsk. G. Zosimov. Na stroi. Ros. 6 no. 6:22-23 Je '65.

## UL'YANOVSK PROVINCE—RURAL CONSTRUCTION

In Lenin's home province. IU, P. Perov. Sel' stroi. 19 no. 4:3-5 Ap '65.

## UMAN' DISTRICT—SLAVIC ANTIQUITIES

The Chernyakhov monuments in Uman' District, Cherkassy Province. G. E. Khachen. Mat. i issl. po arkheol. SSSR no. 110:257-269 '64.

## UNDERDEVELOPED AREAS

Certain characteristics of the national liberation movement. K. N. Brutents. Vop. filoz. 39 no. 6:26-37 '65.  
New frontiers of "old" colonialism. IU, Oganis'ian, Mezhdunar. zhizn' 12 no. 6:43-52 Je '65.

## UNDERDEVELOPED AREAS—COMMERCE

Problems of transit trade of the developing countries. O. Burguichev. Vnesh. torg. 45 no. 6:22-25 '65.

## UNDERDEVELOPED AREAS—ECONOMIC ASSISTANCE, RUSSIAN

Achievement of economic independence. V. Kas'ianenko. Kommunist 42 no. 10:35-44 Jl '65.

## UNDERDEVELOPED AREAS—ECONOMIC POLICY

Important factor in the economic development of the liberated countries. E. Utkin. *Plan khoz.* 42 no. 8, 74-81 Je '65.

## UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS

Important factor in the economic development of the liberated countries. E. Utkin. *Plan khoz.* 42 no. 6: 74-81 Je '65.  
Money and Independence. E. Utkin. *Az. i Afr. seg.* 8 no. 6: 54-56 Je '65.

## UNDERDEVELOPED AREAS—MONEY

Money and Independence. F. Utkin. *Az. i Afr. seg.* 8 no. 6: 54-56 Je '65.

## UNDERDEVELOPED AREAS—POLITICS

Anticolonial struggle of the peoples of Asia and Africa in 1964, a review. *Nar. Az. i Afr.* no. 3: 33-44 '65.

Kim, G. F. [V. I. Lenin and the national liberation movement] *V. I. Lenin i natsional'no-osvoboditel'noe dvizheniye*. Moskva, Znanie, 1965. 46 p. (Novoe v zhizni, nauka, tekhnika. I Seriya. Istoriya, no. 12)

Modzhishnaia, E. D. [Disintegration of a colonial system and the ideology of imperialism] *Raspad kolonial'noi sistemy i ideologiya imperializma*. Moskva, Nauka, 1965. 341 p.

On the eve of a "second Bandung." V. Makarov. *Mezhdunar. zhizn'* 12 no. 7: 121-123 Ji '65.

## UNDERDEVELOPED AREAS—TECHNICAL ASSISTANCE, RUSSIAN

The help in training technical workers extended by the U. S. S. R. to underdeveloped countries. A. Kaspin. *Mezhdunar. zhizn'* 12 no. 7: 135-136 Ji '65.

## UNDERGROUND CONSTRUCTION

Building underground units for a continuous steel casting plant by the open caisson method. K. P. Salamon, B. N. Bernat, E. V. Korsunskii. *Osn., fund. i melh. grun.* 7 no. 3: 18-21 '65.

## UNDERGROUND CONSTRUCTION—EQUIPMENT AND SUPPLIES

Mechanized heading-machine units for the construction of sewage tunnels. A. I. Tutnov. *Buil. tekhn. i ekon. inform. Gos. nauch. iissl. inst. nauch. i tekhn. inform.* 18 no. 5: 10-12 My '65.

## UNDERGROUND NUCLEAR EXPLOSIONS

Mifontov, B. I., and others. [Underground nuclear explosions; problems affecting industrial nuclear explosions] *Podzemnye iadernye vzryvy; problemy promyshlennyykh iadernyykh vzryvov*. Moskva, Atomizdat, 1965. 159 p.

## UNDERGROUND STRUCTURES

Interaction of the linings of hydrotechnical pressurized tunnels with rocks. T. S. Gomes, V. V. Rukin, K. V. Ruppenheit. *Izv. AN SSSR. Mekh.* no. 2: 147-151 Mr.-Ap '65.

## UNDERGROUND STRUCTURES—CATHODIC PROTECTION

Unit for modeling practical problems concerning the cathodic protection of underground metal structures from eddy currents. V. N. Tkachenko. *Gaz. delo* no. 5: 23-27 '65.

## UNDERGROUND STRUCTURES—CORROSION

Effect of a year's time on the development of the corrosion of steel in the ground. V. F. Negreva, G. A. Alakhsverdiev, I. U. G. Samadov. *Gaz. delo* no. 4: 24-26 '65.

## UNDERGROUND STRUCTURES—ELECTROMECHANICAL ANALOGIES

Unit for modeling practical problems concerning the cathodic protection of underground metal structures from eddy currents. V. N. Tkachenko. *Gaz. delo* no. 5: 23-27 '65.

## UNDERGROUND WATER see Water, Underground

## UNDERSTANDING see Comprehension

## UNDERWATER ACOUSTICS

Selection of a formula for the speed of sound in the mass mechanized processing of materials of deep-sea hydrologic observations. V. N. Fedorova, O. A. Nedoshivlin. *Okeanologiya* 5 no. 2: 359-363 '65.

## UNDERWATER BLASTING see Blasting, Underwater

## UNDULANT FEVER see Brucellosis

## UNION AFRICAINE ET MALGACHE see African and Malagasy Union

## UNION CATALOGS see Catalogs, Union

## UNION OF SOVIET SOCIALIST REPUBLICS see Russia

## UNION REPUBLICS—CRIMINAL JUSTICE, ADMINISTRATION OF

In the supreme courts of the Union Republics. *Sots. zakon.* 42 no. 6: 75-76 Je '65.

## UNION REPUBLICS—PUBLIC PROSECUTORS

In the procuracies of the Union Republics. *Sots. zakon.* 42 no. 5: 72-75 Je '65.

## UNITED NATIONS

American diplomacy in the United Nations. V. Petrov. *Mezhdunar. zhizn'* 12 no. 7: 60-68 Ji '65.

Research done by the Committee on coal of the United Nations Economic Commission for Europe. A. K. Pechenkov. *Ugol* 40 no. 5: 82-83 My '65.

## UNITED NATIONS—CHARTER

In the interest of peace and security of the peoples. N. Alovandrova. *Mezhdunar. zhizn'* 12 no. 7: 136-139 Ji '65.

## UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

International cooperation in the field of education according to the UNESCO program. P. Zimlin. *Nat. obr.* no. 6: 97-102 Je '65.

## UNITED STATES—ABOLITIONISTS

Voiga, V. A. [Harriet Tubman (1820-1913); conductor of the "Underground Railroad"] *Konduktor "Tainoi zheleznoi dorogi" Harriet Tubman (1820-1913); strannitsy gerolcheskoi zhizni*. Moskva, Mysl', 1965. 101 p.

## UNITED STATES—AGRICULTURE—ECONOMIC ASPECTS

Against the new fables about the "decapitalization" of agriculture in the U. S. A. O. Levit. *Ekon. Rad. Uka.* 8 no. 3: 79-83 Mr. '65.

## UNITED STATES—ANTICOMMUNIST MOVEMENTS

Anticommunism is the worst enemy of democracy. L. N. Danilova. *Vest. Mosk. univ. Ser. 8: Ekon., filos.* 20 no. 2: 28-34 Mr.-Ap '65.

## UNITED STATES—AQUARIUMS

The U. S. National Aquarium. G. E. Feldman. *Okeanologiya* 5 no. 2: 372 '65.

## UNITED STATES—BALANCE OF PAYMENTS

Bitter fruits... L. Aleksandrov. *Mezhdunar. zhizn'* 12 no. 6: 109-110 Je '65.

The Johnson administration dollar program. B. Likhachev. *Mir, ekon. i mezhdunar. otn.* no. 7: 95-100 '65.

## UNITED STATES—BIG BUSINESS

Kirsanov, A. V. [Financial corporations of the U. S. A.] *Finansovyye korporatsii SSHA*. Pod red. A. V. Anikshina. Moskva, Finansy, 1965. 141 p.

## UNITED STATES—BOILERS

Boiler unit with 1000 Mw. rating. V. M. Maksimov. *Energomashinostrzenie* 11 no. 4: 74-48 Ap '65.

## UNITED STATES—CATTLE—FEEDING AND FEEDS

Use of urea in cattle feeding in the U. S. A. V. I. Nazarenko. *Khim. v sel. khoz.* 3 no. 4: 71 Ap '65.

## UNITED STATES—CITIES AND TOWNS

Growth tendencies of small towns in the U. S. A. I. U. A. Kolosova. *Vop. geog.* no. 66: 153-167 '65.

## UNITED STATES—COMMERCE—EUROPE, EASTERN

The West and Eastern Europe, I. Orlit. *Mezhdunar. zhizn'* 12 no. 6: 83-90 Je '65.

## UNITED STATES—COMMERCE—INDIA

Manners of the "free world": About factories and monkeys. *Nov. vrem.* 23 no. 20: 21 Ji '65.

## UNITED STATES—COMMUNIST PARTY

Lawlessness continues. I. Mikuson. *Mezhdunar. zhizn'* 12 no. 6: 110-111 Je '65.

## UNITED STATES—CONSERVATISM

Economic platform of "conservatism" in the U. S. A. K. Kozlova. *Mir, ekon. i mezhdunar. otn.* no. 7: 57-68 '65.

## UNITED STATES—CONSUMER CREDIT

Selling on credit in the U. S. A. A. Kozlovskii. *Sov. torg.* 38 no. 3: 49-52 Mr. '65.

## UNITED STATES—CRIME AND CRIMINALS

Secrets of the "murder empire." A. Butlitskii. *Sots. zakon.* 42 no. 2: 75-77 F. '65.

## UNITED STATES—CRIMINAL JUSTICE, ADMINISTRATION OF

Secrets of the "murder empire." A. Butlitskii. *Sots. zakon.* 42 no. 2: 75-77 F. '65.

## UNITED STATES—DOLLAR

The Johnson administration dollar program. B. Likhachev. *Mir, ekon. i mezhdunar. otn.* no. 7: 95-100 '65.

## UNITED STATES—ECONOMIC CONDITIONS

Economic roots of the American aggression. S. M. Men'shikov. *Mezhdunar. zhizn'* 12 no. 7: 8-9 Ji '65.

## UNITED STATES—ECONOMIC POLICY

Hitch, Charles Johnston, and R. N. McKean. [The economics of defense in the nuclear age. Translated from the English] *Voenno-ekonomika v iadernyy vek*. Pod red. i a predisl. A. A. Kornienko i V. M. Kulakova. Moskva, Voen. izd-vo, 1964. 622 p. (In U)

## UNITED STATES—EMPLOYMENT INTERVIEWING

Manners of the "free world": Under the watchful eye of a boss constructor. S. Svetlanova. *Nov. vrem.* 23 no. 20: 31 Ji '65.

## UNITED STATES—FINANCE

Kirsanov, A. V. [Financial corporations of the U. S. A.] *Finansovyye korporatsii SSHA*. Pod red. A. V. Anikshina. Moskva, Finansy, 1965. 141 p.

## UNITED STATES—FOREIGN ECONOMIC RELATIONS

### AFRICA

U. S. strategy in Africa. V. I. Kudryavtsev. *Mezhdunar. zhizn'* 12 no. 7: 14-10 Ji '65.

## UNITED STATES—FOREIGN RELATIONS

American diplomacy in the United Nations. V. Petrov. *Mezhdunar. zhizn'* 12 no. 7: 60-68 Ji '65.  
Crises in the U. S. foreign policy. Sh. P. Synakoev. *Mezhdunar. zhizn'* 12 no. 7: 23-21 Ji '65.

The Lodge-Roslow mission. I. Lipitskii. *Mezhdunar. zhizn'* 12 no. 6: 107-108 Je '65.

The profile of Johnson's policy. V. D. Panamov. *Mezhdunar. zhizn'* 12 no. 7: 5-0 Ji '65.

## UNITED STATES—FOREIGN RELATIONS—FRANCE

Paris - Washington - Bonn. I. M. Vidnitsova. *Mezhdunar. zhizn'* 12 no. 7: 10-21 Ji '65.

## UNITED STATES—FOREIGN RELATIONS—GERMANY, WEST

"Mollies to satisfy" Bonn. I. U. Lopatin. *Mezhdunar. zhizn'* 12 no. 7: 117-118 Ji '65.

The Pentagon-Bonn Axla. D. E. Mel'nikov. *Mezhdunar. zhizn'* 12 no. 7: 10-10 Ji '65.

Under Mr. Ehrhard's black mantle. K. Karagachyan. *Mezhdunar. zhizn'* 12 no. 7: 111-112 Ji '65.

## UNITED STATES—FOREIGN RELATIONS—JAPAN

The conflagration across the river. V. Dol'nov. *Nov. vrem.* 23 no. 26: 8-11 Je '65.

## UNITED STATES—FOREIGN RELATIONS—PHILIPPINES

Manila has changed. O. Skalkin. *Az. i Afr. seg.* 8 no. 6: 50-52 Je '65.

## UNITED STATES—FOREIGN RELATIONS—RUSSIA

Great peace and the position of the U. S. A. V. Norozkin. *Vop. ist.* 40 no. 7: 52-61 Ji '65.

## UNITED STATES—FOREIGN RELATIONS—VIETNAM, SOUTH

"The change of guard" in Saigon. D. Vep'nik. *Nov. vrem.* 23 no. 20: 16-17 Ji '65.

## UNITED STATES—FOUNDATIONS

Foundation construction in permafrost in the U. S. A. and Canada. S. S. Vinlov. *Osn., fund. i mekh. grun.* 7 no. 3: 26-30 '65.

## UNITED STATES—GAS, NATURAL

Natural gas production and reserves in the United States. L. I. Bobyleva. *Gaz. delo* no. 4: 36-37 '65.

## UNITED STATES—KOREAN NEWSPAPERS

From the history of the Korean emigrant press, 1808-1914. B. D. Pak. *Nar. Az. i Afr.* no. 3: 172-178 '65.

## UNITED STATES—LABOR AND LABORING CLASSES

Cares, hopes, and disappointments. I. U. Iulimov. *Sov. profsoyuzy* 21 no. 12: 30-41 Je '65.

## UNITED STATES—LITHUANIANS

Prusaika, Leonas. [Publicism] *Publitsika*, Vilnius, Mintis, 1965. 334 p. [In Lithuanian]

Returning to the motherland. Albinas Morkus. *Nov. vrem.* 23 no. 20: 11-12, 10 Ji '65.

## UNITED STATES—MERCHANT MARINE

Ships built in America. *Sudostrzenie* 30 no. 12: 66-67 D '64.

## UNITED STATES—METHANE—STORAGE

The economics of the storage of liquefied methane in the United States. A. N. Arlanin. *Gaz. delo* no. 1: 30-32 '65.

## UNITED STATES—MILITARY POLICY

Hitch, Charles Johnston, and R. N. McKean. [The economics of defense in the nuclear age. Translated from the English] *Voenno-ekonomika v iadernyy vek*. Pod red. i a predisl. A. A. Kornienko i V. M. Kulakova. Moskva, Voen. izd-vo, 1964. 622 p. (In U)

# UNITED STATES—MILITARY POLICY (Continued)

The Pentagon—Dom Axla. D. E. Melnikov. *Mezhdunar. zhizn'* 12 no. 7:10-19 JI '65.  
The Pentagon's new plans. D. Vol'kili. *Nov. vrem.* 23 no. 25:11-12 Jo '65.  
Space plans of the American military clique. P. Pliachenko. *Kryl. i od.* 16 no. 5:28-29 My '65.  
The U.S. and NATO. V. A. Matveev. *Mezhdunar. zhizn'* 12 no. 7:16-18 JI '65.

# UNITED STATES—MONOPOLIES

Igikhantun, M. Kh., and N. V. Novikov. [How does capital shape public opinion? *Kak kapital'noe dazh obshchestvennoe mnenie?* Moskva, Znanie, 1965. 31 p. (Novoe v zhizni, nauka, tekhnika, II Seriya Filosofiya, no. 12)

# UNITED STATES—MUSIC—INSTRUCTION AND STUDY

25 days in the U.S.A. M. Morozov. *Sov. muz.* 26 no. 5:105-110 My '65.

# UNITED STATES—NAVY

The naval forces of the U.S.A. L. Dremeev. *Mezhdunar. zhizn'* 12 no. 7:143-143 JI '65.

# UNITED STATES—NAVY—SERVICE CRAFT

Some aspects of the development of service ships abroad. V. V. Borshov. *Mor. zhur.* 40 no. 4:87-91 Ap '65.

# UNITED STATES—NIGHT MUSICIANS

Art overcomes negation. A. Volynin. *Teatr* 26 no. 1:106-109 Ja '65.

# UNITED STATES—OCEANOGRAPHIC RESEARCH

Study of waves in the U.S.A. L. L. Rakevich. *Okeanologiya* 6 no. 2:173 '65.

# UNITED STATES—PESTICIDES

Production of pesticides in the U.S.A. during 1964. N. N. Melnikov. *Khim. v sel. khoz.* 3 no. 5:73-74 My '65.

# UNITED STATES—POLICE

The American "secret police" and its chief. A. Derkov. *Kommunist* 42 no. 11:105-115 JI '65.

# UNITED STATES—POLITICS AND GOVERNMENT

"Great society", a goal or a maneuver? G. Morzin. *Mezhdunar. zhizn'* 12 no. 6:32-42 Jo '65.

Washington's words and deeds. *Mezhdunar. zhizn'* 12 no. 6:136-139 Jo '65.

# UNITED STATES—POWER ENGINEERING

Adilvankina, R. Ia., N. N. Gladyshev, and V. I. Kachevskii. [Power engineering in the U.S.A.] *Energetika* 78:1. Moskva, Nauka, 1965. 258 p.

# UNITED STATES—PUBLIC OPINION

Igikhantun, M. Kh., and N. V. Novikov. [How does capital shape public opinion? *Kak kapital'noe dazh obshchestvennoe mnenie?* Moskva, Znanie, 1965. 31 p. (Novoe v zhizni, nauka, tekhnika, II Seriya Filosofiya, no. 12)  
The mood in the United States. S. Kondrashov. *Nov. vrem.* 23 no. 27:9-11 JI '65.

# UNITED STATES—RAILROADS—MAINTENANCE AND REPAIR

Practices in using epoxy compounds in railroad construction in the U.S.A. V. P. Puzrinov. *Trudy MFT* no. 191:116-119 '64

# UNITED STATES—REFUGEES, CUBAN

Without family, honor and hope. V. L. Zhukov, V. Listov. *Mezhdunar. zhizn'* 12 no. 7:193-193 JI '65.

# UNITED STATES—RELATIONS (MILITARY) WITH SOUTHEASTERN ASIA

The world police force plays with fire. N. Mikhailov. *Kosmos. Voenush. shi* 46 no. 10:75-76 My '65.

# UNITED STATES—ROCKET RESEARCH

Space plans of the American military clique. P. Pliachenko. *Kryl. i od.* 16 no. 5:28-29 My '65.

# UNITED STATES—SOCIAL CONDITIONS

"Great society": a goal or a maneuver? G. Morzin. *Mezhdunar. zhizn'* 12 no. 6:32-42 Jo '65.  
Paradox of present-day America. L. L. Rakevich. *Khim. v sel. khoz.* 3 no. 5:73-74 My '65.

# UNITED STATES—SOCIAL PSYCHOLOGY

The theory of social control in American sociology. L. M. Popova. *Vop. filoz.* 19 no. 6:104-112 '65.

# UNITED STATES—SUBMARINE BOATS

An aluminum submarine. A. A. Chernov. *Okeanologiya* 6 no. 2:170 '65.

# UNITED STATES—SWITCHING CIRCUITS

New system of electronic switching with program control. F. A. Zaimchikovskii, M. H. Ivanov. *Elektronika* 10 no. 5:60-76 My '65.

# UNITED STATES—TRACTORS

Methods for changing the gauge of the driving wheels of a tractor using the power of the engine. V. I. Razuromov. *Trakt. i sel'khoz. mash.* no. 5:43-45 My '65.

# UNITED STATES—TRAFFIC ACCIDENTS

One of the laws of the "free" world. B. Kuraev. *Sov. iust.* 20 no. 3:27-29 Ap '65.

# UNITED STATES—UKRAINIAN STUDENTS

Federation of Ukrainian Student Organizations of America (SUSTA). [Ukrainian students in America, commemorative book of the Federation of Ukrainian Student Organizations of America (SUSTA) on the occasion of its tenth anniversary] *Ukrainian students in America; Pro pam'iatku knyha SUSTA v nakhody desiatykh'ol dila'nosty.* Baltimore, 1963. 150 p. illus. facsimile. (NSU)

# UNITED STATES—UKRAINIANS

Federation of Ukrainian Student Organizations of America (SUSTA). [Ukrainian students in America, commemorative book of the Federation of Ukrainian Student Organizations of America (SUSTA) on the occasion of its tenth anniversary] *Ukrainian students in America; Pro pam'iatku knyha SUSTA v nakhody desiatykh'ol dila'nosty.* Baltimore, 1963. 150 p. illus. facsimile. (NSU)

# UNITED STATES—YOUTH

Zimov, I. P. [Growing America] *Amerika podra- stala*. Moscow, Molodsh. gvardiya, 1964. 120 p.

# UNITED STATES—YOUTH

Calculating the cost of transportation. Z. Skvortsova. *Zhil. i kom. khoz.* 15 no. 1:25 Ap '65.  
Ungrounded inference. A. Razak. *Zhil. i kom. khoz.* 15 no. 4:23-25 Ap '65.

# UNIVERSAL JOINTS (MECHANICS)

Some problems in the kinematics of the three-dimensional double universal joint. L. K. Tarakanov. *Vest. mashinost.* 45 no. 5:25-28 My '65.

# UNIVERSAL JOINTS (MECHANICS)—WELDING

Friction welding of the cardan of a truck steering gear. L. P. Kudavaytikh, Z. I. Shitkova. *Avtom. svar.* 18 no. 3:73-74 Ma '65.

# UNIVERSE see Cosmogony

# UNIVERSITIES AND COLLEGES see subdivision under Leningrad

# UNIVERSITIES AND COLLEGES—ENTRANCE REQUIREMENTS

Saulit, Y. R., and V. I. Padalko. [How to prepare for entrance examinations for institutions of higher learning; physics] *Kak gotovits'ya k priemnymy eksamenam v voz; fizika.* 4., perer. izd. [Leningrad] Izd-vo Leningr. univ., 1965. 262 p.

# UNSATURATED COMPOUNDS

Block chemical carboxylation of unsaturated compounds. M. Ia. Moshin and others. *Zhur. VKhO* 10 no. 2:230 '65.

Mass spectra and structure of organic compounds. Part II: Mass spectra of 1,3-oxone germanium hydrocarbons. R. A. Khmel'nik and others. *Zhur. ob. khim.* 35 no. 5:773-776 My '65.  
Structure of adducts of trifluoromethane with unsaturated compounds. V. A. Ginzburg and others. *Zhur. ob. khim.* 35 no. 5:851-857 My '65.

# UPHOLSTERY

Quality, reliability, and serviceability of upholstered furniture. A. L. Avotkov. *Der. prom.* 14 no. 5:22-24 My '65.

# URACIL—HYPHRAUTIC USE

Latest results of treating thyrotoxicosis with 6-methylthiouracil and the state of the cardiovascular system. P. M. Borjak. *Profil. endok. i germ.* 10 no. 5:48-52 B-O '64.

Results of combined treatment of patients with lung cancer: 5-fluorouracil and X-ray therapy. N. G. Ilyukhin, M. H. Ilyukhin, M. R. Starichkov. *Med. ind.* 10 no. 5:13-17 My '65.

# URAL MOUNTAIN REGION—BUILDING MATERIALS

Using remanent products in construction in the western Urals. M. I. Ushakov. *Izv. vyz. uralsk. zav. i stol. i akhbit.* 9 no. 2:100-113 '65.

# URAL MOUNTAIN REGION—INDUSTRIES

Kurukov, F. F., and V. N. Cherepanov. [The role of industry in the Urals in creating the material and technical basis of communism] *Ro' Industrii Urals v uzdan' material'no-tekhnicheskoi bazy kommunizma.* [Cheliabinsk] Izdatno-Ural'skoe knizhnoe izd-vo, 1964. 217 p.

# URAL MOUNTAIN REGION—PHYSICAL GEOGRAPHY

Olovov, A. M. [The Urals and Novaya Zemlya; a study of nature] *Ural i Novaya Zemlya; ocherk prirody.* Moskva, Mysl', 1965. 213 p.

# URAL MOUNTAIN REGION—RAILROADS—FREIGHT

Technological routing of ore and metallurgical plant freight. A. I. Iokhin. *Zhurnal transp.* 47 no. 6:27-30 Jo '65.

# URAL MOUNTAIN REGION—WORMS, INTESTINAL AND PARASITIC

Interprovincial scientific and practical conference on the control of helminthiases in the regions of the Urals and Western Siberia and the scientific conference of the Tyumen Branch of the Omsk Scientific Research Institute for Natural Focus Infections on medical parasitology. L. K. Zerkov. *Med. parazit. i parazit. bol.* 33 no. 6:756 N-D '64.

# URAL MOUNTAINS—BRECCIA

Explosive siliceous breccias in the Paleozoic sediments of the Southern Urals. R. V. Pavlovskii. *Ist. i pol. iskop.* no. 2:164-165 Mr.-Ap '65.

# URAL MOUNTAINS—COAL GEOLOGY

Lithological composition of continental coal-bearing sediments in the eastern slope of the Urals. M. M. Berzhav. *Ist. i pol. iskop.* no. 2:161-164 Mr.-Ap '65.

# URAL RIVER VALLEY—FISH PROCESSING PLANTS

Location and specialization of fish processing plants in the Ural-Caspian Sea region. S. Kazhimbayev. *Ryb. khoz.* 41 no. 5:83-85 '65.

# URAL'SK—COMMUNIST COMPETITION

We tackled the job together. V. Kurbatov. *Nar. khoz. Kazakh.* 23 no. 3:50-62 Mi '65.

# URAL'SK—TECHNOLOGICAL INNOVATIONS

We tackled the job together. V. Kurbatov. *Nar. khoz. Kazakh.* 23 no. 3:50-62 Mi '65.

# URANIUM

Extraction of uranium from H<sub>2</sub>F-HNO<sub>3</sub> by tertiary amine solutions in benzene. V. M. Vdovenko, M. P. Koval'skaya, E. A. Smirnova. *Radiokhimika* 7 no. 1:7-14 '65.  
Studying a way for finding uranium in fluorapatite by the method of phase dynamic leaching. L. V. AN Kazakh. *SRI, Ser. geol.* 22 no. 1:75-84 Ja-I '65.

# URANIUM, EFFECT OF RADIATION ON

Determination of the total fissions in a natural mixture of uranium during its irradiation by neutrons. S. V. Belov, V. S. Anikina. *Radiokhimika* 7 no. 1:120-124 '65.

# URANIUM ORES

(see also subdivision under Dnieper Valley)  
Concretions containing uranium. N. A. Seleznev. *Ist. i pol. iskop.* no. 2:104-112 Mr.-Ap '65.  
Two groups of exogenic processes and uranium deposits. L. A. Gelovin. *Ist. i pol. iskop.* no. 2:105-103 Mr.-Ap '65.

# URANIUM OXIDES

Kinetics of the reaction of UO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub> in perchloric acid solutions. L. A. Kuvshinov, A. P. Filippov. *Radiokhimika* 7 no. 2:207-214 '65.  
Phase transitions during the dissociation of β and γ-form of uranium trioxide. A. R. Beketov, V. G. Vlasov, V. N. Stokolovskii. *Zhur. neorg. khim.* 10 no. 4:737-740 Ap '65.  
Reaction of uranium oxides of various compositions with sulfuric acid. E. U. Kuz'micheva and others. *Radiokhimika* 7 no. 1:78-83 '65.

# URANIUM SULFATES

Interaction of U(SO<sub>4</sub>)<sub>2</sub> · 4H<sub>2</sub>O with sulfate and bisulfate of tri-n-octylamine. A. S. Nazarov, V. V. Sergievskii, B. V. Gromov. *Zhur. neorg. khim.* 10 no. 6:1500-1501 Jo '65.

# URANYL COMPOUNDS

Effect of the nature of neutral ligands on certain properties of uranyl complex compounds. S. M. Sinitayna, N. M. Sinitayn. *Zhur. neorg. khim.* 10 no. 4:923-926 Ap '65.

# URANYL NITRATE

Reaction of ammonium hydroxide with uranyl nitrate and sulfate. N. I. Pechurova, L. M. Kovba, E. A. Ippolitova. *Zhur. neorg. khim.* 10 no. 4:918-922 Ap '65.

# URANYL SULFATES

Extraction of sulfuric acid and uranyl sulfate with N-alkylamines. O. E. Zviaginets and others. *Zhur. neorg. khim.* 10 no. 4:911-915 Ap '65.

Reaction of ammonium hydroxide with uranyl nitrate and sulfate. N. I. Pechurova, L. M. Kovba, E. A. Ippolitova. *Zhur. neorg. khim.* 10 no. 4:918-922 Ap '65.

# URBANIZATION see subdivision under Europe, Western

# UREA

Crystalline modifications of a complex of copper monochloride with thiourea. L. M. Shkol'nikova, I. V. Obazmonko. *Trudy IRDA* no. 25:420-421 '63.

Determination of thionin and disulfide impurities in thionin dioxide. N. A. Novikova, A. G. Stepanova, V. I. Blinov. *Trudy IRDA* no. 25:252-257 '63.

Efficiency of the use of urea. V. V. Sevaat'yanova, L. A. Tkach. *Khim. prom. [Ukr.]* no. 2:34-35 Ap-Je '65.

- URCA (Continued)**  
 Isometric determination of this trioxide I G Shadrin, V G Seregin, L I Panfiliyev. Trudy BRF 1 no 25:215-220 '63
- Melting diagram of the ternary system urea -  $\alpha$ -naphthol -  $\beta$ -naphthol A G Palubekov, A G Bergman Zhur. ob. khim. 35 no 5 765-768 My '65.
- Melting diagram of the ternary system urea - hydroquinone -  $\alpha$ -naphthol A G Palubekov Zhur. ob. khim. 35 no 6 939-941 Je '65
- Melting diagram of the ternary system urea - phenol -  $\alpha$ -naphthol A G Palubekov, A G Bergman Zhur. ob. khim. 35 no 6 942-945 Je '65
- Production of concentrated liquid ammoniate salts of carbon dioxide based on ammonium carbonate and urea. E. T. Sarancha, A. M. Abrogimova, L. V. Andreeva, Khim. prom. 41 no 5 383-384 My '65.
- Reaction of benzaldehyde and urea with  $\beta$ -naphthol. V. P. Minnaev, V. M. Ignat'ev. Izv. AN SSSR, Ser. Khim. no 5 1107-1108 '65.
- Reaction of silver nitrate with thiourea and allylthiourea in methanol solutions N L Strelits and others Zhur. neorg. khim. 10 no 5 1278-1280 My '65
- Study of urea in the tissues of the chorion and allantois of the epithelial-choral placenta V I Kazanin. Izv. SO AN SSSR no 12 Ser. biol.-med. nauk no 3 133-136 '64
- Urea distribution between hydroquinone and  $\beta$ -naphthol in the ternary system urea - hydroquinone -  $\beta$ -naphthol. A. G. Palubekov, A. G. Bergman Zhur. ob. khim. 35 no 6 945-949 Je '65
- UREA—THERAPEUTIC USE**  
 Use of urea in treating experimental poisoning by carbon disulfide. Zh. I. Muramova. Pat. izob. i izp. teap. 8 no 6 76-77 N-D '64
- UREA AS FEED**  
 Chemical composition of the meat of animals fed carbamide and ammonium salts G I. Kvetkovskii, I. K. Slesarskiy, Khim. i sel. khoz. 3 no 5 61-63 My '65
- Use of urea in cattle feeding in the U.S. V. I. Nazarenko Khim. i sel. khoz. 3 no 4 71 Ap '65.
- UREMIA**  
 Use of an artificial kidney in uremia following poisoning with isosamyl alcohol M M Mendel'son, A M Melnikian Sov. med. 28 no 4 116-118 Ap '65
- URETHANES**  
 Rapid method for determining the volumetric weight of elastic polyurethane foams. V. A. Sidorov. Plast. massy no. 4:74-75 '65.
- Study of the applicability of polyurethane resins for the production of porous film materials V A Sidorov, V M Rogov. Plast. massy no 5 70-72 '65.
- Study of the thermal degradation of polyurethane from tolylenedisocyanate and ethylene glycol. V. A. Orlov, O. G. Tarakanov. Plast. massy no. 5 12-15 '65.
- URIC ACID**  
 Glutamine synthetase in the liver of chick embryo during transition to the uricotelic type of nitrogen metabolism K A Drel' Biokhimiya 29 no 4:685-689 Ji-Ag '64
- URINARY CALCULI** see Calculi, Urinary
- URINARY ORGANS—BLOOD SUPPLY**  
 Some problems of vascular connections of the amental graft with the wall of the urinary tract after its omentopexy M N Zil'terman. Arkh. anat., gist. i embr. 47 no 10 13-15 O '64
- URINARY ORGANS—MOTILITY**  
 Clinical importance of urokinography in the examination of the motor function of the urinary tract M. G. Gorshkova. Vest. rent. i rad. 39 no 6:57-60 N-D '64.
- URINARY ORGANS—SURGERY**  
 Surgical treatment of patients with renal and ureteral calculi. M. D. Dzhabadzade Azerb. med. zhur. 42 no 3 20-25 Mr '65
- URINE—ANALYSIS AND PATHOLOGY**  
 Determination of neutral 17-ketosteroids in the urine of influenza patients by means of the fraction method. T. T. Chernala. Sbor. nauch. trud. Inst. infek. bol. no 4: 203-209 '64
- Electrical activity of the brain and the content of catecholamines in the urine of patients with phantom pains as a reflection of the pain syndrome in relation to peisid-balneological treatment. N. I. Strelkova, V. M. Andreeva, V. S. Buzynkina. Zhur. nevro. i psikh. 65 no 6 856-862 '65.
- Gonadotropins, estrogens and pregnandiol in the normal menstrual cycle. O. N. Savchenko, G. S. Stepanov. Probl. endok. i gorm. 10 no 4:17-13 Ji-Ag '64.
- Urine clearance test in the dynamics of renal function in nephroureterolithiasis. M. I. Gnanbekov. Azerb. med. zhur. 42 no 3:35-40 Mr '65
- URNOV, KONSTANTIN VASIL'EVICH, 1907-1964**  
 Professor K. V. Urnov: obituary. S. N. Veshnevskii and others. Elektrichestvo no 3 91 Mr '65.
- UROLOGY**  
 Gollgorski, S. D. [Studies on urological semiotics and diagnosis] Ocherki urologicheskoi semiotiki i diagnostiki. Izd. S. S. dop. Kishinev, Kautia moldovenaske, 1965. 222 p. illus. (DNLM)
- UROPEPSIN**  
 Dynamics in uropepsin excretion in toxic forms of acute gastrointestinal diseases in infants. A. M. Idarmachov. Sov. med. 28 no 4 125-129 Ap '65
- Uropepsin content in the urine and 17-hydroxycorticosteroid content in the blood plasma in thoracic surgery. M. P. Romankova, V. E. Ryzhenko. Vest. khir. 93 no 11 13-48 N '64
- UROPEPSINOGEN**  
 Importance of uropepsinogen in the evaluation of the functional activity of the stomach in swine. V. K. Gusev. Veterinaria 41 no 4 73-75 Ap '65.
- URUGUAY—NAME**  
 "The Eastern Republic of Uruguay" and "Colombia," and why they are so named. A. M. Samoilov. Vop. ist. 40 no 6 216-218 Je '65.
- USHAKOV, VASILII GAVRILOVICH, 1865-1953**  
 Vasilii Gavrilovich Ushakov: on the hundredth anniversary of his birth. B. P. Tokin. Mikrobiol. zhur. 27 no 3: 89-90 '65.
- USSURY VALLEY—POPLAR**  
 Forests consisting of Maksimovich's poplar in the Ussury basin. N. G. Vasil'ev. Sbor. DVFAN SSSR no. 21 33-38 '63.
- UST'-KAMENOGORSK—LEAD INDUSTRY**  
 "Flagship" of the nonferrous metallurgy has completed the seven-year plan. Nar. khoz. Kazakh. 23 no 3: 7 Mi '65
- UST'-KAMENOGORSK—LEAD INDUSTRY—QUALITY CONTROL**  
 Twelve years without reclamation. S. Takezhanov. Nar. khoz. Kazakh. 23 no 3, 8-11 Mr '65.
- UST'-KAMENOGORSK—ZINC INDUSTRY**  
 "Flagship" of the nonferrous metallurgy has completed the seven-year plan. Nar. khoz. Kazakh. 23 no 3: 7 Mi '65.
- UST'-KAMENOGORSK—ZINC INDUSTRY—QUALITY CONTROL**  
 Twelve years without reclamation. S. Takezhanov. Nar. khoz. Kazakh. 23 no 3, 8-11 Mr '65.
- UST'-KAMENOGORSK RESERVOIR—ZOOPLANKTON**  
 Zooplankton in the Ust'-Kamenogorsk Reservoir. V. A. Kiseleva. Vest. sel. khoz. nauki [Kazakh] 8 no 2-6:7-73 F '65
- USTINOV, L.**  
 Teach adults from childhood on. S. Maizus. Teatr. 26 no 6 118 Je '65.
- USTYURT—STONE IMPLEMENTS**  
 The neolithic settlement of Churuk on the Ustyurt. E. Blizhanov. Sov. etn. no. 2:100-103 Mr-Ap '65.
- USTYURT UPLAND—KARST**  
 Karstic-denudational relief forms of the central and eastern parts of Ustyurt Upland. M. I. Epifanov. Izv. AN SSSR. Ser. geog. no. 3:94-101 My-Je '65.
- UTERINE HEMORRHAGE** see Hemorrhage, Uterine
- UTERUS**  
 Creatine content and the activity of adenosinetriphosphatase: creatine-phosphotransferases in the uterine muscles of rabbits. N. H. Himmel'reifsk. Ukr. biokhim. zhur. 36 no 5:784-790 '64.
- UTERUS—BLOOD SUPPLY**  
 Vascular bed of the ligamentum latum uteri in man and in lower narrow-nosed monkeys. Z. V. Lapina. Arkh. anat., gist. i embr. 47 no 10:93-100 O '64
- Venous outflow from some organs of the small pelvis in collateral circulation. M. T. Burachinskii, N. A. Kravskaya. Arkh. anat., gist. i embr. 47 no 10:88-72 O '64.
- UTERUS—CANCER**  
 Calculation of doses in a plane not coincident with the plane of isodoses in intracavitary treatment of cancer of the cervix uteri. A. A. Stankevich. Vop. onk. 11 no 3 100-113 '65.
- Effect of radiotherapy on the content of intestinal enzymes (enterokinase and alkaline phosphatase) in the duodenal juice and excrements. I. T. Abasov. Med. rad. 10 no 2:8-11 F '65
- Functional state of the adrenal cortex before and following surgery in cancer of the cervix uteri B. A. Agaev. Vop. onk. 11 no 1 21-24 '65
- Late changes in the urinary bladder following radiation therapy for cancer of the cervix uteri. V. D. Tazuvkina, S. I. A. Smetnikina, N. V. Chigor'eva. Vest. rent. i rad. 10 no 2:47-52 Mr-Ap '65.**
- Results of the treatment of chorioepithelioma of the uterus, based on materials of the Institute of Experimental and Clinical Oncology. L. A. Navikova, T. M. Muslin. Vop. onk. 11 no 1:48-53 '65**
- Use of colposcopy and colpophotograms in the detection and evaluation of the effectiveness of the treatment of precancer and cancer of the cervix uteri. G. V. Viktorov. Vop. onk. 11 no 1 53-58 '65.**
- UTERUS—DISEASES**  
 Use of radioactive phosphorus in the diagnosis of diseases of the cervix uteri. A. A. Nesterova. Vest. TSU. 71:100-106 '61
- UTERUS—SURGERY**  
 Functional state of the adrenal cortex before and following surgery in cancer of the cervix uteri B. A. Agaev. Vop. onk. 11 no 1:21-24 '65.
- UTERUS—TUMORS**  
 Conservative treatment of patients with fibromyoma of the uterus. L. A. Davydov. Vop. onk. 11 no 1 94-98 '65.
- UTESOV, LEONID OSIPOVICH, 1895-**  
 As a simple company chorus leader. IU. Daultsev. Sov. muz. 29 no 5:64-68 My '65.
- UTEVSKII, ARON MIKHAILOVICH, 1904-**  
 A. M. Uteviski; on his 60th birthday. Ukr. biokhim. i med. 36 no 5:500-501 '64
- UZBEK LANGUAGE—DIALECTS**  
 The importance of modern Uzbek dialects for the study of the Old Uzbek written language. G. F. Jilgova. Vop. iaz. 14 no 1:100-110 Ja-F '65.
- UZBEK LANGUAGE—SENTENCES**  
 Comparative impersonal sentences with a predicate such as "adit buldi" in modern Uzbek. M. M. Akmetov. Nauch. trudy TashGU no. 247. Filol. nauki no. 20:32-38 '64.
- UZBEK LANGUAGE—WORD FREQUENCY**  
 Some data on word frequency in contemporary Uzbek prose. I. A. Kinsen. Nauch. trudy TashGU no. 247. Filol. nauki no. 20:50-73 '64.
- Statistical study of word frequency in editorials of the newspaper "Kizil Uzbekiston." I. A. Kinsen. Nauch. trudy TashGU no. 247. Filol. nauki no. 20:44-58 '64
- UZBEK LITERATURE**  
 Some data on word frequency in contemporary Uzbek prose. I. A. Kinsen. Nauch. trudy TashGU no. 247. Filol. nauki no. 20:50-73 '64.
- UZBEK NEWSPAPERS**  
 Statistical study of word frequency in editorials of the newspaper "Kizil Uzbekiston." I. A. Kinsen. Nauch. trudy TashGU no. 247. Filol. nauki no. 20:44-58 '64.
- UZBEKISTAN—ACTINOMYCETES**  
 Distribution of actinomycetes-antagonists to the causative agents of cotton diseases in Sirozem soils of Uzbekistan. S. Achilova, A. Kuchayeva. Uzb. biol. i med. 9 no 1:10-22 '65.
- UZBEKISTAN—ACTIONS AND DEFENSES**  
 Remove the shortcomings in the docking and dismantling of civil suits. M. B. Kh. Sots. zakon. 42 no 2:171-72 F '65
- UZBEKISTAN—BALLET**  
 At performances of the Uzbek ballet. G. Kremachevskiy. Teatr. 26 no 3:11-14 Mr '65.
- UZBEKISTAN—BAUXITE—ANALYSIS**  
 Mineral composition of bauxites in Uzbekistan. J. P. Konnov. Zap. Uz. old. Vses. min. ob-va no. 16:10-103 '64.
- UZBEKISTAN—BEER—MICROBIOLOGY**  
 Microbial spoilage of beer in Uzbekistan. M. I. Maviani, R. A. Akramova. Uzb. biol. zhur. 9 no 1:11-15 '65.
- UZBEKISTAN—BIOGRAPHY**  
 Dzharagov, T. D. [Faithful sons of our country] Voznyo syny Rodiny. Tashkent, Izd-vo Uzbekistan, 1964. 511 p.
- UZBEKISTAN—BOTANY, MEDICAL**  
 Khalmatov, Kh. Kh. [Wild medicinal plants of Uzbekistan] Dikorasushchie lekarnyvennye rasteniya Uzbekistana. Tashkent, Izd-vo "Meditsina" UzSSR, 1964. 270 p.
- UZBEKISTAN—BRUCELLOSIS**  
 Epidemiological and epizootological characteristics of brucellosis in Uzbekistan. Report No. 1. S. M. Mukhammedov. Zhur. mikrobiol., epid. i immun. 42 no 2:61-65 F '65.





## VALEPIC ACID

Synthesis of 5-aminolevulinic-(5-C<sup>14</sup>) and 4,5-dioxovaleric (5-C<sup>14</sup>) acids. N.V. Gnuchev, L.A. Neiman, A.A. Pozharitskiy. Biokhimiya 30 no.1161-164 Ja-F '65.

## VALLE-E

Biosynthesis of valine and isoleucine in heat-shocked dihydroxy acid dehydratase. Z.A. Kagan, G. Choshniet, V.I. Fichtelch. Biokhimiya 29 no.4 624-635 Ji-Ag '64

## VALK, SIGISMUND NATANOVICH, 1887-

Sigismund Natanovich Valk. L.N. Semenova, G.I. Sobolev, A.N. Tsumutali. Ist zap. 76 308-316 '65

## VALLEYS see subdivision under Mongolia, Okhotsk Sea region

## VALVES

Calculation of the cross-section of the plunger of a control valve. M.T. Vorchatov. Teploenergetika 12 no.3 393-94 Mr '65

Determination of the size of vacuum break valve for hydraulic turbines. M.I. Smirnov. Energomashinostroyeniye 11 no.3 39-41 Mr '65

## VALVES—TESTING

Experimental analysis of hydraulic resistance in the valves of piston expanders. L.L. Shtein. Trudy VNIIMASH no.9 144-150 '65

## VALVES—WELDING

Fractional welding of marine engine valves. E.I.A. Gel'man, I.I. D. Tomichev, Avtom. svar. 18 no.3 54-55 Mr '65.

## VANADIUM—ANALYSIS

Determination of the carbide phase of vanadium using sulfonazo reagent. Iu. M. Gofman, V.G. Sivkova. Trudy IRE no.25 343-346 '63

Sulfonazo, a new reagent for vanadium. V.G. Brudzik and others. Trudy IREA no.25 17-23 '63

## VANADIUM—METALLURGY

Precipitating pure and chemically pure vanadium pentoxide from alkaline solutions. N.P. Slotvinskiy-Sidak, V.I. Potapov, P.I. Averin. TSvet. met. 38 no.5 67 My '65

## VANADIUM CATALYSTS—ELECTRIC PROPERTIES

Conductance of vanadium catalysts in the reaction of oxidation of methyl alcohol. L.G. Maidanovskii, L.N. Kurina, V.N. Belosova. Kinetika 6 no.1 159-162 Ja-T '65

## VANADIUM CHLORIDES

Reactions of vanadium chlorides with hydrogen, oxygen and water vapors. V.V. Pechkovskii, N.I. Vorob'ev, Zhur. neorg. khim. 10 no.6 1433-1440 Je '65.

## VANADIUM COMPOUNDS—MAGNETIC PROPERTIES

Magnetochemistry of vanadyl salts with dicarboxylic acids. V.V. Zelenstov, V.T. Kalinnikov, M.N. Volkov, Zhur. neorg. khim. 10 no.6 1508-1507 Je '65.

## VANADIUM OXIDES

Nature of the active component of vanadium oxide catalyst for naphthalene oxidation. V.I.A. Vol'fson and others. Kinetika 6 no.1 162-166 Ja-F '65

Phase diagram of the Na<sub>2</sub>O - V<sub>2</sub>O<sub>5</sub> system. B.V. Slobozin, A.A. Fetichev, Zhur. prikl. khim. 38 no.4 801-804 Ap '65

## VANADIUM-SILICON ALLOYS

Solubility of some transition metals in the V<sub>2</sub>Si compound and their effect on the temperature of transition of the compound to a superconducting state. E.M. Savitskii and others. Izv. AN SSSR. Neorg. mat. 1 no.3 354-361 Mr '65.

## VAPOR PRESSURE

Investigating magnesium diffusion in aluminum by the method of evaporation in vacuum. S.Z. Bokshteln and others. Metalloved. i term. obr. met. no.4 36-38 Ap '65.

Vapor pressure above liquid magnesium and calcium. V.P. Mashovets, L.V. Puchkov, Zhur. prikl. khim. 38 no.4 849-852 Ap '65.

## VARIX

Changes in the subcutaneous veins of the lower extremities in varix. I.V. Chervilakov, Vest. khir. 93 no.11 93-95 N '64.

## VARNISH AND VARNISHING

From practices in polishing nitrocellulose lacquer coatings. S.P. Turanin. Der. prom. 14 no.2 23 F '65

## VASHKA RIVER—SHIPPING

The shipping reach should yield profit. G. Koriakin. Rech. transp. 23 no.12 12-13 D '64.

## VASIL'EV, ALEKSEI ALEKSANDROVICH

State farm agronomist. A. Dubil'er. Zemledelie 27 no.5 11-13 My '65.

## VASIL'EV, VLADIMIR

An ordinary week for Maksimova and Vasil'ev. Vladimir Barsagyan. Teatr 28 no.6 112-118 Je '65

## VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

## VECTOR ANALYSIS

Classification of vector fibering over an arbitrary algebraic curve. A.N. Tsurin. Izv. AN SSSR Ser. mat. 29 no.3 657-688 '65

Totally additive vector functions. Part 3. A problem of Iu. Ch. Neiman. A.A. Ljapunov. Probl. kib. no.12: 165-168 '64

Totally additive vector functions. Part 4. A.A. Ljapunov. Probl. kib. no.12: 169-170 '64

## VECTOCARDIOGRAPHY

Spatial vector electrocardiographic study of Ebstein's disease. K.A. Klondatkin, Z.L. Dolabekhan, Dokl. AN Arm. SSR 10 no.4 253-256 '65.

Vectocardiographic changes in thyrotoxicosis. N.A. Ivanova. Probl. endok. i gorm., 10 no.4 50-54 Ji-Ag '64.

## VEGETABLE GARDENING

(see also subdivision under Caucasus, Northern; Leningrad Province, Tiraspol District)

Problem of the single-seed sowing of vegetable crops under glass. D.M. Ivanovich, Zap. Len. sel'khoz. inst. 85-271-275 '61.

## VEGETABLE MATERIA MEDICA see Materia medica, Vegetable

## VEGETABLES—STORAGE

All-Union conference on the new methods of storage and transportation of potato, vegetables and cucurbitaceous cultures. I.I. Varentsov. Kons. i ov. prom. 20 no.6: 45-46 Je '65

Use of polymeric film materials in storing fruit and vegetables. D.K. Shapiro. Kons. i ov. prom. 20 no.6 43-44 Je '65.

## VEGETABLES—TRANSPORTATION

All-Union conference on the new methods of storage and transportation of potato, vegetables and cucurbitaceous cultures. I.I. Varentsov. Kons. i ov. prom. 20 no.6: 45-46 Je '65.

## VEGETABLES, CANNED

Improve the assortment and quality of natural canned vegetables. L.T. Kochetova. Kons. i ov. prom. 20 no.3 1-4 Mr '65.

New types of canned food. E.S. Bashchenko, L.A. Moroz. Kons. i ov. prom. 20 no.3 6-7 Mr '65.

## VEGETABLES, DRIED

Simplified method for determining moisture in dried vegetables. A.I. Ljubtvaia, N.N. Kabanova. Kons. i ov. prom. 20 no.6 31-33 Je '65.

## VEGETATION AND CLIMATE

(see also subdivision under Khibiny Mountains)

Microclimate and developmental cycle of plants on the cutovers of Kamchatka. I.N. Elagin. Izv. SO AN SSSR no.12 Ser. biol.-med. nauk no.3 71-76 '64.

Thermal-vegetative chambers with the regulation of soil and air temperature for experiments with plants. A.I. Korovin, V.A. Vorob'ev, V.K. Kurets. Izv. SO AN SSSR no.12 Ser. biol.-med. nauk no.3 141-144 '64.

## VEINS

Venous bed of the rabbit eyeball under conditions of collateral blood circulation. L.M. Lyubkovskii, Arkh. anat. i embri. 48 no.3 50-57 Mr '65.

## VEINS—LIGATURE

Venous outflow from some organs of the small pelvis in collateral circulation. M.T. Burachinskii, N.A. Krasikova. Arkh. anat. i embri. 47 no.10 68-72 O '64

## VEINS—RADIOGRAPHY

Method of combined intravenous phlebography and azygography in cancer of the lungs. S.I.A. Marmorshtein, A.Kh. Trakhtenberg, I.V. Bidiak. Vop. onk. 11 no.3 98-104 '65.

## VENA CAVA—RADIOGRAPHY

Resolving power of contrast examination of the inferior vena cava in tumors of the retroperitoneal space. G.A. Kuchinskii, E.B. Marinbakh. Vest. rent. i rad. 40 no.1 33-38 Ja-F '65.

## VENDING MACHINES

(see also subdivision under Moscow)

Canned food for distribution through vending machines. I.S. Kagan, V.M. Dubitskaia, L.I. Leichenko. Kons. i ov. prom. 20 no.3 7-11 Mr '65.

## VENEERS AND VENEERING

Attachment to rotary veneer cutters for butting cut veneer. Z.A. Kunin, A.V. Kitenchuk. Bum. i der. prom. no.2 30-31 Ap-Je '65.

Electric driven for securing a constant speed of cutting on a rotary veneer cutter. N.M. Nemchenko. Der. prom. 14 no.5 10-12 My '65.

Veneering handboards. A.M. Maikov. Der. prom. 14 no.5 10 My '65.

## VENEREAL DISEASES

Incidence of venereal diseases in capitalist countries. N.M. Tumanov, K.G. Artyukhin. Vest. dermat. ven. 38 no.6 75-80 Ju '64.

## VENERELOGY—DICTIONARIES

Akademika nauk Azerbaidzhanской SSR. Biokh. i fiziologicheskii komitet. [Dictionary of terms for dermatological and venereological diseases] Slovar' terminov po kozhnym i venericheskim boleznam. Baku, Izdat. Akad. nauk Azerbaidzhanской SSR, 1965. 70 p. [In Russian and Azerbaijani]

## VENETSIANOV, ALEKSEI GAVRILOVICH, 1780-1847

Vagner, L.A. [The last days of Pompeii, An oppressed people is betrayed here, Zakhar'ka! Poblechil den' Pompei, Tut izobrazhen ugnemnyi narod, Zakharka, Moskva, Znaniye, 1965. 136 p. (Prochiti, tovaristki!)]

## VENEZUELA—POLITICS AND GOVERNMENT

The stolen pearl of Latin America. Servando (Garcia) Ponce. Mezhdunar. zhizn' 12 no.6 53-61 Ja '65.

## VENOM

Properties of 5'-nucleotidase of the Vipera lebetina venom. I.I. Nikol'skii, O.S. Kislina, T.I. Tikhonenko. Biokhimiya 30 no.1107-112 Ja-T '65.

## VENOM—PHYSIOLOGICAL EFFECT

Expediency of using heparin in poisoning with snake venom. A.A. Zhavoronkov. Sov. med. 28 no.11: 124 Ap '65.

## VENUS (PLANET)

Theory of the radio emission of Venus. A.D. Kabanin. Izv. vys. ucheb. zav. i radiofiz. 8 no.1 1-10 '65.

## VERMICULITE

(see also subdivision under Ukraine)

Cation exchange on vermiculite at elevated pressure and temperature. V.V. Pomin. Radiokhimiya 4 no.1 241-237 '65.

## VERTEDRAE—NECROSIS

Aseptic subchondral necrosis of a corpus vertebrae. M.N. Gorylov. Vest. rent. i rad. 40 no.1 69-70 Ja-F '65.

## VERTICILLIUM

Effect of soil amoebae on the susceptibility of cotton to the fungus Verticillium dahliae Kleb. N.V. Tsybil'skiy. Uzb. biol. zhur. 9 no.1 16-10 '65

## VERTICILLIUM—CULTURES AND CULTURE MEDIA

Requirement in specific nutritive substances by Verticillium dahliae Kleb., causative agent of the cotton wilt. T.E. Popova. Mikrobiologiya 34 no.2 324-320 Mr '65.

## VESELIN, PETR NIKOLAEVICH, 1904-

P.N. Veselkin; on his 60th birthday. Pat. fiziol. i eksp. totap. 8 no.6 90 N-D '61

## VETCH see subdivision under Crimea

## VETERANS, DISABLED

Giving greater privileges to invalids of the Patriotic War. Komm. Vooruzh. Sil. 46 no.11 86-88 Je '65.

## VETERINARIANS

For a good labor discipline. Veterinarika 41 no.6: 1-3 Je '64

## VETERINARY HELMINTHOLOGY

Practices in helminthology. D.N. Antipin. Veterinarika 41 no.4 10-63 Ap '65.

Seasonal change in the blood of ducks and its importance in the evaluation of the productivity of breeding stock. A.A. Bokush. Vest. AN BSSR. Ser. sel'khoz. nauk no.4 129-134 '64.

## VETERINARY HEMATOLOGY

Biochemical study of cow blood reacting to tuberculin. V.I. Zavrutkina, V.F. Babich. Veterinarika 42 no.8 81-88 Je '65.

## VETERINARY HYGIENE

(see also subdivision under Estonia; Irkutsk Province, Vurnary District)

Antileptocytic measures in the Soviet Army. S.M. Vorontsov. Veterinarika 42 no.6 10-10 My '65. Give every assistance to the intensification of animal husbandry. A.G. Ginzburg. Veterinarika 41 no.6 14-18 Je '64.

In the battle on the Volga. S.L. Alchikhin. Veterinarika 42 no.5 19-20 My '65.

In the battles for Kishinev. I.V. Volstrikov. Veterinarika 42 no.5 21-22 My '65.

## VETERINARY HYGIENE (Continued)

- In war and in peace. A. D. Kozhukhovskii. Veterinarika 42 no. 5:29-30 My '65.
- The love of Nikita Khrushchev. I. Luchinskii. Veterinarika 42 no. 5:30-33 My '65.
- Party decisions are an inspiration. Veterinarika 42 no. 5:2-4 My '65.
- Preserve young animals without losses. Veterinarika 41 no. 4:1-3 Ap '65.
- Shur, I. V., ed. [Manual on veterinary and sanitary experience and hygiene in the processing of animal products] Rukovodstvo po veterinarno-sanitarnoi okaperture i gijgiene pererabotki zhivotnykh produktov. Izd. 2., ispr. i dop. Moskva, Kolos, 1965. 426 p.
- Standardization of methods for disinfecting means of transportation. A. A. Polakov. Veterinarika 42 no. 5:94-96 My '65.
- Time of great possibilities. A. G. G. Veterinarika 42 no. 6:4-8 Je '65.
- Veterinary service during the Great Patriotic War. Veterinarika 42 no. 5:5-8 My '65.

## VETERINARY INSTRUMENTS AND APPARATUS

- The MPU-1 mechanical shower installation. D. K. Polakov and others. Veterinarika 42 no. 6:92-94 Je '65.

## VETERINARY INSTRUMENTS AND APPARATUS—

### MAINTENANCE AND REPAIR

- Method for drying melangeurs. P. V. Semenov. Veterinarika 42 no. 5:111 My '65.

## VETERINARY MATERIA MEDICA AND PHARMACY

- Biological preparations in the service of animal husbandry. V. P. Antonuk, A. A. Potemkin. Veterinarika 42 no. 6:10-21 Je '65.
- Comparative evaluation of drugs in coccidiosis of chickens. V. F. Kiylov. Veterinarika 42 no. 5:60-70 My '65.
- Searching for effective therapeutic means for farm animals with vibriosis. A. V. Golikov, A. L. Artemova. Veterinarika 42 no. 5:90-92 My '65.
- Treating endometritis in cows. A. I. Denisov, I. A. Iakovenko. Veterinarika 42 no. 6:73-74 Je '65.
- Use of new antiparasitic and disinfecting agents in dyspepsia. D. K. Chervukhov, V. N. Loktinov, V. D. Orlov. Veterinarika 42 no. 6:83-85 Je '65.

## VETERINARY MEDICINE

- Anaphylaxis in cows after the administration of pregnant mare's serum and blood. P. I. Shatalov, M. G. Shubina. Veterinarika 42 no. 5:87-89 My '65.
- Evaluating the methods for the administration of vitamin A. I. P. Lilenkov. Veterinarika 41 no. 4:86-87 Ap '65.
- Frequency and forms of eye lesions in cattle and horses with leptospirosis. G. V. Degtiarev, K. F. Petrova, F. I. Gindzibulava. Veterinarika 42 no. 5:40-52 My '65.
- From the history of veterinary medicine. N. M. Nikol'skii and others. Veterinarika 41 no. 4:110-115 Ap '65.
- In the front line. K. F. Chernolyn, Veterinarika 42 no. 5:23-25 My '65.
- Military veterinary field therapy during the Patriotic War. P. S. Ionov. Veterinarika 42 no. 5:13-15 My '65.
- Prophylaxis and therapy of dyspepsia in young animals. E. T. Savushkina. Veterinarika 41 no. 4:56-61 Ap '65.
- Results of examining animals for toxoplasmosis using the complement fixation reaction. E. P. Kovalova and others. Veterinarika 42 no. 5:70-71 My '65.

## VETERINARY MEDICINE—ABSTRACTS

- [Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos. 12-13 Je-Jl '65.

## VETERINARY MEDICINE—STUDY AND TEACHING

- Inculcation of practical skills should be at the center of our attention. K. F. Sidorov. Sred. spets. obr. 12 no. 2: 35-36 F '65.

## VETERINARY MEDICINE—TERMINOLOGY

- Origin and meaning of the terms sterility and barrenness. A. P. Studentov. Veterinarika 41 no. 4:76-79 Ap '65.
- Rational terminology for respiratory organ diseases in swine. V. E. Shchukrevskii, O. V. Iakusheva. Veterinarika 42 no. 6:114-115 Je '65.
- Standardization of epizootological terms. M. A. Dobin, I. U. Epshtein. Veterinarika 42 no. 6:113-114 Je '65.

## VETERINARY OBSTETRICS

- Fertilizability of cows after retention of the placenta. G. N. Khabatov. Veterinarika 41 no. 6:92-93 Je '64.
- Obstetric practice in swine raising. N. N. Mikhailov. Veterinarika 41 no. 6:97-98 Je '64.
- Oxytocin as a means of prophylaxis of the subinvolution of the uterus in cows. V. D. Misailov. Veterinarika 41 no. 4:82-85 Ap '65.
- Prophylaxis and therapy of the parturient canals in cows using tricillin. P. S. Okun'kov. Veterinarika 41 no. 4: 86-87 Ap '65.

- Use of glucose in the retention of the placenta in cows. V. G. Martynov. Veterinarika 41 no. 4: 87-88 Ap '65.

## VETERINARY PARASITOLOGY

- Dzazokhov, G. S. [Diagnosis of the protozoan diseases of animals] Diagnostika protozoynykh boleznei zhivotnykh. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 415 p. (NIC)
- Shevtsov, A. A. [Veterinary parasitology] Veterinarnaya parazitologiya. Moskva, Kolos, 1965. 414 p. (Uchebnye i uchebnye posobila dlia sel'skokhoziaistvennykh tekhnikumov) (DNAL)

## VETERINARY RADIOLOGY

- Radiation sickness in sheep induced by lethal X-ray irradiation. V. G. Egorov, M. B. Kamalov. Veterinarika 42 no. 6:65-69 Je '65.

## VETERINARY RESEARCH see subdivision under

Uzbekistan

## VETERINARY SURGERY

- Effectiveness of surgical treatment in traumatic reticuloperitonitis. A. Andaitis, I. Pranaitis. Veterinarika 41 no. 6:73-77 Je '64.
- Veterinary surgery of the wartime. I. D. Medvedev. Veterinarika 42 no. 5:11-13 My '65.

## VETERINARY TOXICOLOGY

- Prophylaxis and diagnosis of chronic intoxications in animals. D. D. Poloz, V. A. Poletskii, T. B. Baimuradov. Veterinarika 42 no. 5:73-76 My '65.
- Prophylaxis and therapy of poisoning in animals. D. D. Poloz. Veterinarika 41 no. 6:60-73 Je '64.

## VIBRATION

- Rubakov, I. M. [Theory of vibrations] Teoriia kolebaniy. Izd. 2., peretr. Moskva, Nauka, 1965. 559 p.
- Combating noise and vibration in industrial enterprises. A. V. Goriletskii, E. S. Vekaler. Bezop. truda v prom. 9 no. 3:21-26 Mr '65.
- Intensification of heat exchange by means of vibrations. S. I. Sei'geev, G. A. Khotina. Trudy VNIKIMASH no. 9: 75-91 '65.
- Natural vibrations of a point of variable mass and the method of "hardening." M. P. Petrenko. Prikl. mekh. 1 no. 2: 125-128 '65.
- Problems of the dynamics of vibratory percussion systems; symposium in Moscow. V. I. Babitskii. Vest. AN SSSR 35 no. 4:90 Ap '65.

## VIBRATION (MARINE ENGINEERING)

- Noise and vibration abatement in the double-hull motor-ship "Odykh." M. Khaitovich, I. U. Goppe. Rech. transp. 23 no. 12:21-23 D '64.

## VIBRATORS

- Regulating static moments of the unbalances of mechanical vibrators. R. M. Brumberg. Vest. mashinost. 45 no. 6: 26-27 Je '65.

## VIBRIO

- Searching for effective therapeutic means for farm animals with vibriosis. A. V. Golikov, A. L. Artemova. Veterinarika 42 no. 5:90-92 My '65.
- Vibriotoxic effect of some antibiotics on *Vibrio fetus* venerealis. A. V. Golikov, A. L. Artemova. Antibiotiki 10 no. 5:435 My '65.

## VIDEO TAPE RECORDERS AND RECORDING

- Functional interchangeability of video tape recorders. A. K. Kutsal, I. I. Balonkina, R. S. Kairuk, Tekh. kino i telev. 10 no. 4:5-12 Ap '65.

## VIENNA—MUSIC FESTIVALS

- Vienna, May-June. Sov. muz. 20 no. 5:130-140 My '65.

## VIENNA—OPERA

- "Katerina Izmailova." M. Rubin. Sov. muz. 20 no. 5: 136-138 My '65.

## VIETNAM, NORTH—AGRICULTURE

- Agriculture in the jungle. P. F. Agapov. Zemledelie 27 no. 5:87-91 My '65.

## VIETNAM, NORTH—COAL MINERS

- Our foreign correspondent. A. Alferov. Sov. shakht. 14 no. 5:42-43 My '65.

## VIETNAM, NORTH—LIBRARIES

- Scientific and special libraries in the Democratic Republic of Vietnam. I. S. Smirnov. Bibliotekoved. i bibl. za rub. no. 14:10-20 '64.

## VIETNAM, NORTH—SOCIAL LIFE AND CUSTOMS

- A trip to the Democratic Republic of Vietnam. A. N. Dament'eva-Leiskinen. Sov. etn. no. 2:169-171 Mr-Ap '65.

## VIETNAM, SOUTH—FOREIGN RELATIONS—UNITED STATES

- "The change of guard" in Saigon. D. Vol'skii. Nov. vrem. 23 no. 29:18-17 JI '65.

## VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN see Vietnamese War

## VIETNAM, SOUTH—POLITICS AND GOVERNMENT

- The National Front for the Liberation of South Vietnam. A. Mazzev. Mezhdunar. zhizn' 12 no. 7:143-145 JI '65.
- People's government in South Vietnam. W. Burchett. Nov. vrem. 23 no. 28:5-7 Je '65.
- Vietnamese Pompeii. D. V. Nov. vrem. 23 no. 27:14 JI '65.

## VIETNAMESE WAR

- The conflagration across the river. V. Dal'mov. Nov. vrem. 23 no. 25:8-11 Je '65.
- Criminal venture of the American aggressors in Indochina. B. Marushkin. Mezhdunar. zhizn' 12 no. 6:13-20 Je '65.
- France and the American aggression; a letter from Paris. Andre Wurmser. Nov. vrem. 23 no. 26: 8-9 Je '65.
- The great anxiety. I. Orlov. Zhur. Mosk. Patr. no. 6: 33-37 '65.
- The Lodge-Rostow mission. I. Lapitskii. Mezhdunar. zhizn' 12 no. 6:107-108 Je '65.
- Military situation in South Vietnam. Dang Quang Minh. Nov. vrem. 23 no. 29:15-16 JI '65.
- Pentagon's Indochinese "polygon." V. Glazov. Nov. vrem. 23 no. 26:16-17 JI '65.
- The Pentagon's new plans. D. Vol'skii. Nov. vrem. 23 no. 25:11-12 Je '65.
- Plans of the U. S. and the political climate in Asia. D. V. Petrov. Mezhdunar. zhizn' 12 no. 7:10-11 JI '65.
- Unity and solidarity are the most important matters. K. A. Guseinov. Nov. vrem. 23 no. 28:5-6 JI '65.
- Vietnam, a country where blood is shed. Az. i Afr. seg. 8 no. 6:36-38 Je '65.
- A war against national liberation wars. I. U. F. Trushin. Mezhdunar. zhizn' 12 no. 7:9-10 JI '65.
- Washington's words and deeds. Mezhdunar. zhizn' 12 no. 6:136-139 Je '65.

## VILJANDI REGION (ESTONIA)—PODZOL

- Changes in the mechanical, mineralogical, and chemical characteristics of turf-Podzolic soils on carbonate rich red-brown moraine. L. Reintam, A. Raukas. Pochвоведение no. 3:29-38 Mr '65.

## VILLAGE COMMUNITIES see subdivision under Asia

## VILLAGES see subdivision under Crimea

## VILLARD, JEAN, 1895-

- Jean Villard on "The Oppenheimer case." E. Siu-chevskina. Teatr 26 no. 5:156-158 My '65.

## VILNIUS—CITY PLANNING

- Designs in the competition for the Vilnius city center. I. Rozhin. Arkhit. SSSR no. 4:20-25 '65.

## VILNIUS—CONCRETE PLANTS

- Ambrasas, Ceslovas. [The story of a plant] Ganykytos istorija. Vilnius, Ledykla "Mintis," 1965. 64 p. [In Lithuanian]

## VILNIUS—THEATER

- Premieres in Vilnius. A. Kleinas. Teatr 26 no. 6:121 Je '65.

## VINCA

- Structure of vincanidine and vincamine. P. Kh. Iuidashev and others. Khim. prirod. soed. no. 1: 34-42 '65.

## VINNITSA—CHEMICAL PLANTS

- Operation of spiral heat exchangers in the sulfuric acid plants of the Vinnitsa Chemical Combine. D. I. Shavchenko. Khim. prom. [Ukr.] no. 2:76-77 Ap-Je '65.

## VINNITSA PROVINCE—BUCKWHEAT

- Practices in producing large crops. V. K. Paseka. Zemledelie 27 no. 5:57-58 My '65.

## VINYL ACETATE POLYMERS

- Preparation of polyvinyl formal ethylal from aqueous dispersion of polyvinyl acetate. Part 2: Effect of the conditions of hydrolysis of aqueous dispersion of polyvinyl acetate on the quality of polyvinyl formal ethylal. A. G. Safadian and others. Izv. AN Arm. SSR. Khim. nauki 17 no. 5:699-702 '64.

## VINYL ALCOHOL

- Cyclic polymerization and copolymerization. Part 34: Polymerization of aromatic vinyl ethynyl carbonols. S. G. Matsolan, A. B. Saakian. Izv. AN Arm. SSR. Khim. nauki 17 no. 6:676-681 '64.

## VINYLA LCOHOL POLYMERS

- Effect of some factors on the structure of polyvinyl alcohol solutions. T. S. Dmitrieva, E. P. Korchagina, S. A. Glikman. Khim. volok. no. 2:15-18 '65.
- Effect of the magnitude of spin-stretching on the physicochemical properties of "vinol" fibers. V. I. Rabinovich, K. E. Perepelkin. Khim. volok. no. 2:18-22 '65.

- VINYL ALCOHOL POLYMERS (Continued)**  
Mechanism of the reaction between polyvinyl alcohol and organometallic compounds. L. V. Golosova, *Plast. massy* no. 4 44-46 '65.  
Properties of the solution and film formation of solvar and acrylic resins. L. E. Dobrynia, S. A. Pavlov, *Nauch. trudy MTILP* no. 30 86-101 '64.  
Regeneration of formaldehyde in the production of "vinol" fibers. I. L. Dobroserev, V. P. Il'ina, K. D. Lysenko *Khim. volok.* no. 2 22-24 '65.
- VINYL COMPOUND POLYMERS**  
Adhesion and physicochemical properties of chlorinated polyvinyl chloride in interbundle plasticization. N. I. Gribko, A. P. V. Kozlov, S. V. Iakubovich *Vysokom soed.* 7 no. 4 751-755 Ap '65.  
Dehydrochlorination of polyvinyl chloride and some chemical properties of a polyene produced. V. A. Dodonov, G. G. Petukhov, G. A. Razuvayev. *Izv. AN SSSR, Ser. khim.* no. 6 1103-1110 '65.  
Reaction of polyvinyl chloride with pyridine bases. A. B. Dan'ko, V. M. Lauer, L. B. Kuznetsova, Izv. vys. ucheb. zav., Khim. i khim. tekhn. 8 no. 1 127-130 '65.  
Stabilizing activity of polymers with conjugated bands in thermal and photooxidative degradation of polyvinyl chloride. A. A. Berlin, Z. V. Popova, D. M. Ivanovskii *Vysokom soed.* 7 no. 4 569-575 Ap '65.  
X-ray diffraction study of polyvinyl chloride. V. P. Lebedev and others *Vysokom soed.* 7 no. 4 655-660 Ap '65.
- VINYL COMPOUNDS**  
Cyclic polymerization and copolymerization. Part 32: Cyclic copolymerization of divinyl acetate with some vinyl monomers. S. G. Matsosian and others. *Izv. AN Arm. SSR, Khim. nauki* 17 no. 4 420-427 '64.
- VINYL POLYMERS**  
Causes determining the paste forming properties of polyvinyl chloride resins. O. G. Tarakanov, A. I. Dmchina *Plast. massy* no. 3 28-32 '65.  
Effect of heat treatment on the properties of polyvinyl chloride fibers. V. D. Fikhtman, V. M. Alekseeva, A. B. Pakshver, *Khim. volok.* no. 2 12-15 '65.  
Emulsion polymerization of vinyl chloride in the presence of latex previously introduced in the system. I. B. Kotliar, I. A. Mukhina *Plast. massy* no. 3 4-6 '65.  
Polyvinyl chloride plates for the clamping presses. IU. M. Gvozdev, V. I. A. Morlafov, *Nauch. trudy MTILP* no. 30: 165-172 '64.  
Study of cyclic acetals. Phenolysis of polyvinyl butyral. N. V. Shorygina, N. V. Zhilina, *Plast. massy* no. 5: 8-10 '65.  
Use of mixtures of protective colloids for regulating the granulometric composition of vinyl chloride copolymers. A. G. Kronman, B. I. Fedoseev, D. M. Ivanovskii *Plast. massy* no. 5 68-70 '65.
- VINYL POLYMERS—SPECTRA**  
Quantitative analysis of low-molecular divinyl polymers and divinyl rubbers by means of infrared absorption spectra. G. I. Zaikund and others. *Plast. massy* no. 4: 61-62 '65.
- VINYL ETHERS**  
Interaction between chloral hemiacetals and vinyl ethers. M. F. Shostakovskii and others. *Izv. AN SSSR, Ser. khim.* no. 6 1113-1114 '65.  
Nitrosation of alkyl perfluorovinyl ethers. B. L. Diatkin, R. A. Bekker, I. L. Krunians, *Izv. AN SSSR, Ser. khim.* no. 6 1121 '65.  
Substituted vinyl and ethyl aryl ethers. Part I: Reaction of phenyl sulfonyl chloride with vinyl aryl ethers. A. V. Kalabina and others. *Zhur. ob. khim.* 35 no. 6 979-982 Je '65.
- VIOLAXANTHIN**  
Effect of quinine on the light transformation of violaxanthin in chloroplasts. I. A. Popova, *Biokhimiia* 30 no. 1 58-59 Ja-P '65.
- VIRGIN TERRITORY—SOIL CONSERVATION**  
Pechatnikov, B. M., and E. F. Gossen. [New agricultural machinery for erosion control and its adjustment]. *Trudy, Tsel'nokhoz. nauch. i issled. inst. im. V. I. Lenina, 1964.*
- VIRUS**  
Mechanism of depressed sexual development in women with congenital virilizing adrenocortical hyperplasia. L. L. Liberman and others. *Probl. endok. i gorm.* 10 no. 4 13-17 31-Ag '64.
- VIROLOGY**  
Development of virology. *Vop. virus.* 9 no. 5: 514-520 S-O '64.  
Experimental study on tumors in golden hamsters caused by the Rous fowl. V. I. A. Shevliagin. *Vop. virus.* 9 no. 5: 533-538 S-O '64.  
Pioneer explorer of the world of viruses; on the 100th anniversary of the birth of Dmitrii Iosifovich Ivanovskii (1864-1920). IU. I. Mienushkin, V. I. Basnkevich *Vop. virus.* 9 no. 5: 521-528 S-O '64.  
Problems of oncological safety of live viral vaccines. A. T. Kiavchenko, A. D. Al'shtein. *Vop. virus.* 9 no. 5: 527-533 S-O '64.  
Relation of viruses to cancer. Kh. Koprovskii. *Vop. virus.* 9 no. 5: 543-549 S-O '64.
- VIRSKII, PAVEL PAVLOVICH, 1905-**  
We congratulate those celebrating anniversaries! *Teat.* 26 no. 6: 101 Je '65.
- VIRUS DISEASES**  
Basic nonspecific protective factors against virus infections in a warm-blooded organism. A. A. Smorodintsev. *Vop. virus.* 9 no. 5: 587-597 S-O '64.
- VIRUS DISEASES OF PLANTS**  
Ambrosio, A. L. [Virus diseases of potatoes and methods for growing healthy tubers]. *Virusnye bolezni kartofel' i metody vyrazhivaniia zdorovykh klubnel.* Pod red. N. A. Dorozhkina. Minsk, Urozhai, 1964. 108 p. (DNAL)  
Some characteristics of carbohydrate and nitrogen metabolism in sugar beets affected with yellow virus. A. O. Skofenko, D. M. Isakova. *Mikrobiol. zhur.* 27 no. 3: 44-49 '65.
- VIRUS RESEARCH**  
Data for the study of tick-borne encephalitis in White Russia. Report No. 2. Cultivation of White Russian strains on cell cultures. V. I. Votakov, T. I. Lemeshevskaya. *Vop. virus.* 9 no. 5: 608-611 S-O '64.  
Studying the intracellular synthesis of virus components. V. M. Zhdanov. *Veterinariia* 41 no. 6 19-22 Je '64.
- VIRUSES**  
Cytological and immunological reaction of lymphoid organs on the intravenous introduction of enterovirus antigen. N. A. Graevskaya, IU. Z. Nepomniashchii. *Blul. eksp. biol. i med.* 59 no. 6: 73-76 Je '65.  
Possibility of using freeze deproteinization and ultracentrifugation for the purification of Rous' virus. R. M. Radzikhovskaya. *Blul. eksp. biol. i med.* 59 no. 6: 121-126 Je '65.  
Some results of a study of tissue antiviral immunity. V. D. Solov'ev. *Vop. virus.* 9 no. 5: 580-587 S-O '64.  
Studying the immunogenetic properties of the virus of foot-and-mouth disease and foot-and-mouth disease vaccines using adult white mice. V. P. Onufriev and others. *Veterinariia* 42 no. 5: 34-36 My '65.
- VIRUSES—CULTURES AND CULTURE MEDIA**  
Immunobiological characteristics of the virus of Newcastle disease grown in tissue culture. A. B. Khachatryan, A. A. Pogostian, G. G. Maritrosian. *Veterinariia* 41 no. 4: 25-27 Ap '65.  
Interaction of the Rous virus with mouse cells in vitro. I. B. Oukh, I. N. Krivkova. *Vop. virus.* 9 no. 5: 538-543 S-O '64.
- VISCERA—INNERVATION**  
Functional structure of the cortical terminal of a visceral analyzer. A. N. Sovetov. *Trudy Inst. norm. i pat. fiziol. AMN SSSR* 7: 90-91 '64.
- VISCERA—SYPHILIS** see subdivision under Kharkov
- VISCOSE**  
Determining air content of viscose. A. I. Virezub, M. A. Ginzberg, A. B. Pakshver. *Khim. volok.* no. 2: 57-58 '65.
- VISCOSIMETER**  
Continuous measurement of the viscosity of intermediate products in sugar manufacture. A. I. Gromkovskii. *Sakh. prom.* 39 no. 5: 40-45 My '65.  
The VP-3 viscosimeter for the determination of arbitrary viscosity. V. V. Faturoev. *Plast. massy* no. 3: 63-64 '65.
- VISCOSITY**  
Effect of crystal content on the viscosity of glucose massacule. L. S. Khvorova, N. N. Tregubov. *Sakh. prom.* 39 no. 4: 58-59 Ap '65.  
Internal friction of fused alkali metal nitrates. P. I. Protsenko, A. V. Protsenko, O. N. Razumovskaya. *Zhur. neorg. khim.* 10 no. 4: 751-754 Ap '65.
- VISION**  
Elements of the functional organization of the visual system in frogs. L. I. Mityrcheva. *Zhur. vys. nerv. deiat.* 15 no. 3: 513-520 My-Je '65.
- Functional organization of neurons of various types in the visual center in frogs. V. G. Samsonova. *Zhur. vys. nerv. deiat.* 15 no. 3: 501-509 My-Je '65.
- Yarbus, A. L.** [Role of eye movements in the process of vision]. *Trudy, Tsel'nokhoz. nauch. i issled. inst. im. V. I. Lenina, 1965.* 165 p.  
Interaction of the visual and motor analysis in the regulation of motor reactions. V. G. Samsonova. *Zhur. vys. nerv. deiat.* 14 no. 6: 960-971 N-D '64.  
Role of vision and musculotendicular action in the reproduction of passive movements (flexion of the arm in the elbow joint). N. Z. Obukhova, R. A. Roman. *Zhur. vys. nerv. deiat.* 14 no. 6: 951-956 N-D '64.  
Some characteristics of the development of conditioned reflexes to complex acoustic and visual stimuli in dogs. N. S. Popova. *Zhur. vys. nerv. deiat.* 14 no. 6: 999-1006 N-D '64.  
Synchronization of the initial afferent flow in the visual system. I. A. Shevlev. *Zhur. vys. nerv. deiat.* 15 no. 3: 550-559 My-Je '65.  
Technical models of the visual analyzer. V. A. Mikhlin, Uch. zap. MGPI no. 104: 336-367 '63.
- VISUAL AIDS**  
Visual aids created by the efforts of individual artists. M. Suvorov. *Nar. obr.* no. 7 51-56 N '65.
- VISUAL EDUCATION**  
All-Union seminar on visual propaganda. *Agitator* 33 no. 6: 51-52 My '65.
- VITAMIN METABOLISM**  
Comparison of thiamine phosphate and free thiamine assimilation. A. G. Mazhul', S. S. Brashko, V. M. Berezovskii. *Vop. pit.* 23 no. 6: 77-80 N-D '64.
- VITAMINS—A**  
Evaluating the methods for the administration of vitamin A. I. P. Lilenkov. *Veterinariia* 41 no. 4: 50-57 Ap '65.  
Spectrophotometric micromethod for the determination of the content of vitamin A in liver preparations from monkeys (*Macaca rhesus*) and rabbits. V. A. Kuznetsova. *Blul. eksp. biol. i med.* 59 no. 6: 118-121 Je '65.
- VITAMINS—B**  
Effect of streptomycin, blomycin and levomycetin on the synthesis of group B vitamins by dysenteric bacteria. O. A. Kiprianova. *Mikrobiol. zhur.* 27 no. 3: 53-55 Je '65.  
Interaction between fats and certain vitamins of the B group. B. I. Kadykov. *Vop. pit.* 23 no. 6: 31-40 N-D '64.
- VITAMINS—B<sub>6</sub>** see Folic acid
- VITAMINS—B<sub>1</sub>** see Thiamine
- VITAMINS—D<sub>12</sub>** see Cyanocobalamin
- VITAMINS—C** see Ascorbic acid
- VITAMINS—CONGRESSES**  
Vsesoiuznaia konferentsiia po biologicheski aktivnykh veshchestvam plodov i jagod. Ist. Sverdlovsk, 1960. [Transactions of the First All-Union Conference on the Biologically Active Substances of Fruits and Berries]. *Trudy, Sverdlovsk*, 1961. 280 p. (DNAL MICROFILM)
- VITAMINS—E** see Tocopherol
- VITAMINS—M** see Folic acid
- VITEBSK PROVINCE—DANKS AND BANKING**  
Control over the reduction of above-normal inventories. N. Ezhov. *Den. i kred.* 23 no. 5: 48-51 My '65.
- VITEBSK PROVINCE—INDUSTRIAL MANAGEMENT**  
Control over the reduction of above-normal inventories. N. Ezhov. *Den. i kred.* 23 no. 5: 48-51 My '65.
- VITICULTURE**  
(see also subdivision under Uzbekistan)  
Causes of failure and ways for advancing viticulture in the north of its commercial boundary line. V. N. Chirgin. *Shor. nauch. rab. NIIsd.* no. 10: 152-160 '64.
- VITREOUS STATE**  
Leningrad, Universitet. [Chemistry of solids]. *Khimii tverdogo tela*. [Leningrad] 1965. 220 p.
- VLADIMIR—ACQUISITIONS (LIBRARIES)**  
Experiment in organizing a coordinated acquisitions system in Vladimir. I. V. Baldina, V. I. Zolotykh. T. A. Mistrukova. *Bibliot. SSSR* no. 28: 88-90 '64.
- VLADIMIR—ATHEISM—STUDY AND TEACHING**  
Living word. N. Koenfontov. *Agitator* 33 no. 11: 45 Je '65.
- VLADIMIR PROVINCE—EDUCATION, ELEMENTARY**  
Our elementary schools. G. Chernov. *Nar. obr.* no. 8: 8-10 Je '65.

**VLADIMIR PROVINCE—EMBROIDERY**

Moscow. Nauchno-issledovatel'skii institut khudozhe-  
stvennoi pomyshlenosti. [Vladimir Province stitches]  
Vladimirskie shivy. Moskva, Gos. izd-vo mestnoi  
pomyshl. i khudozh. promyslov RSFSR, 1962. [26 p.  
(chiefly illus.)]  
(NcD)

**VLADIMIR PROVINCE—RELIABILITY (ENGINEERING)**

In a case made for quality. F. Reganov. NTO 7 no 5:21-  
22 My '65

**VLADIMIR REGION—BURIAL**

Oldest Upper Paleolithic burials near Vladimir. O. N.  
Bader. Vest. AN SSSR 35 no. 5:77-80 My '65.

**VIADIVOSTOK—HARBOR**

Attention and care should come first. V. Shalayov. Mor.  
flot 25 no. 4:15 Ap '65.

**VIADIVOSTOK—STREET RAILWAYS**

Everything is in the power of a friendly collective.  
V. Rubyko. Zhil.-kom. khoz. 15 no 1:4 Ja '65

**VNUKOVO (MOSCOW PROVINCE)—AIRPLANES—****MAINTENANCE AND REPAIR**

St. camps are so different. A. Karanin. L. Zakharevich.  
Grazhd. av. 10 no. 6:17 Je '62.

**VOCATIONAL EDUCATION**

For men of contact with graduates. S. M. Reznikov, P. G.  
Dobrovolskiy, V. F. Skotnikov. Sred. spets. obr. 12  
no 3:32-35 Mi '65.

Medvedev, R. A. [Organizing the vocational education of  
students] Voprosy organizatsii professional'nogo  
obucheniia studentov. Pod red. A. A. Vasil'eva.  
Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963.  
127 p. (Biblioteka politekhnicheskogo obucheniia)  
(InU)

Soviet woman as a leading participant of specialist  
training. Sred. spets. obr. 12 no 2:1-4 Je '65.

**VOCATIONAL EDUCATION—A UDIO-VISUAL AIDS**

Installation for the measurement of a beam sag. I. P.  
Zaitsev. Sred. spets. obr. 12 no. 3:27 Mi '65.

**VODKA—STANDARDS**

Russia (1923- U. S. S. R.) Upravlenie po standartiza-  
tsii. [Alcohol and vodka products] Spirto-vodochnye iz-  
dellia. Izd. ofitsial'nue. Moskva, Izd-vo Standartov,  
1965. 107 p. (SSSR. Gosudarstvennye standarty)

**VOEVODIN, PETER IVANOVICH, ca. 1904**

P. I. Voevodin; obitaniy. P. S. Neporuchil and others.  
Yakkikhkhevo no. 3:80-91 Mi '65.

**VOGUL FOLK ART see Folk art, Vogul****VOICANIC ASH, TUFF, ETC. see subdivision under**

Pripet Valley; Ukraine

**VOLCANOES see subdivision under Kamchatka****VOIGA DELTA REGION—HYDROBIOLOGY**

Basic characteristics of the change in the natural com-  
plex of the bottom of water in the Voiga Delta and outer  
delta. K. V. Gorhamov. Gidrobiol. zhur. 1 no. 3:13-  
33 '65.

**VOIGA ECONOMIC REGION—BEARING INDUSTRY—****ACCOUNTING**

Role of accounting in organizing faultless production  
manufacture. Y. S. Stukobitsov. Bukh. uchot 22 no. 2.  
12-43 P '65.

**VOIGA RIVER—REGULATION**

Access on homeland. N. Mikhailov. Doshk. vosp. 38  
no 5:58-60 My '65.

**VOIGA RIVER—SHIPPING**

Possibilities of reducing the shipping costs of cement.  
A. Kapiton. Rukh. transp. 23 no. 12:7-8 D '64.

**VOIGA-URAL REGION—GAS, NATURAL—GEOLOGY**

Conditions governing oil and gas accumulation in the  
Paleozoic of the Voiga-Ural region. V. F. Raaben.  
Izv. AN SSSR. Ser. geol. 30 no. 5:3-24 My '65.

**VOIGA-URAL REGION—HAMSTERS**

Ecological and physiological characteristics of  
Cricetus eurasianus Br. and Cricetus migratorius  
Pall. in the Voiga-Ural sands. N. A. Mokrovich.  
Zool. zhur. 44 no. 5:754-758 '65.

**VOIGA-URAL REGION—PETROLEUM GEOLOGY**

Conditions governing oil and gas accumulation in the  
Paleozoic of the Voiga-Ural region. V. F. Raaben.  
Izv. AN SSSR. Ser. geol. 30 no 5:3-24 My '65.

**VOIGA VALLEY—DESCRIPTION AND TRAVEL**

Kubil'skii, G. Voiga, Voiga... Moskva, Gos. izd-vo  
Detskoi lit-ry M-va prosy. RSFSR, 1962. 220 p.  
illus., plates.  
(NN)

**VOLGA VALLEY—ECONOMIC CONDITIONS**

Access on homeland. N. Mikhailov. Doshk. vosp. 38  
no 5:58-62 My '65

**VOLGA VALLEY—GAS, NATURAL—GEOLOGY**

Problems of paleohydrology and prospecting hydro-  
chemistry in the lower Volga Valley. B. V. Kulakov.  
Trudy NVNIIGG no 1:7-9 '64

**VOLGA VALLEY—GASES—ANALYSIS**

Characteristics of the change of the composition of  
Lower Carboniferous oils and gases in the lower  
Volga Valley. A. I. Ivanov. Trudy NVNIIGG no 1:  
52-58 '64.

**VOLGA VALLEY—GROUND BEETLES—EXTERMINATION**

Controlling grain beetles. Z. Mikhail'skaya. Zashch.  
rast. ot vred. i bol. 10 no. 5:21 '65.

**VOLGA VALLEY—PETROLEUM—ANALYSIS**

Characteristics of the change of the composition of  
Lower Carboniferous oils and gases in the lower  
Volga Valley. A. I. Ivanov. Trudy NVNIIGG no. 1:  
52-58 '64.

**VOLGA VALLEY—PETROLEUM GEOLOGY**

Problems of paleohydrology and prospecting hydro-  
chemistry in the lower Volga Valley. B. V. Kulakov.  
Trudy NVNIIGG no 1:7-9 '64.

**VOLGA VALLEY—PROSPECTING—GEOPHYSICAL**

Methods  
Basic problems of exploration geophysics in the lower  
Volga Valley. A. I. Ivanov. Trudy NVNIIGG no. 1:  
57-62 '61.

**VOLGA VALLEY—RURAL CONSTRUCTION**

It is impossible to accept such a situation any longer!  
M. Shumenin. Sel'sk. st. 19 no. 1:20-21 Ap '65

**VOLGA-VYATKA ECONOMIC REGION—TRANSPORTA-****TION, AUTOMOTIVE**

Scheduled delivery of small-size freight. A. Biturkin.  
Avt. transp. 43 no. 2:9-10 F '65.

**VOLGOGRAD—MILITARY MUSEUMS**

Volgograd. Gosudarstvennyi muzei oborony TSaritsyn-  
Slavliagada. [The State Museum of the Defense of  
TSaritsyn-Slavligrada] Gosudarstvennyi muzei oborony  
TSaritsyna-Slavligrada. [Moskva, Voen. izd-vo M-va  
oborony SSSR, 1960] Iv. (chiefly illus.) [In Russian,  
English, French, and German]

**VOLGOGRAD—PENSIONS**

Those who help the pensioners. N. Karaseva. Okhr.  
truda i sots. strakh. 8 no. 5:16 My '65.

**VOLGOGRAD PROVINCE—CRIMINAL INVESTIGATION**

Enthusiasm. I. A. Mozenzon. G. Svet. Sots. zakon. 42  
no. 2:54-67 F '65.

**VOLGOGRAD PROVINCE—GAS FIELD DEVELOPMENT**

Simultaneous joint and separate exploitation of groups  
of formations in the Archada-Don gas fields. B. V.  
Panasev, M. M. Kashparov. Gaz. delo no. 5:13-17 '65

**VOLGOGRAD PROVINCE—PAYMENT**

Payments by checks to wholesale organizations.  
A. Zakharov. Den. i kred. 23 no. 5:50-60 My '65.

**VOLGOGRAD PROVINCE—PROSPECTING**

Mechanism of the formation of Devonian structures in  
the Volga Valley portion of Volgograd Province and  
methods of prospecting for them. B. S. Kholodkov.  
Trudy NVNIIGG no. 1:40-46 '64.

**VOLGOGRAD PROVINCE—SCHOOL SUPERVISION**

How we work with personnel. N. Denidov. Nar. obr.  
no. 6:10-12 Je '65.

**VOLGOGRAD PROVINCE—TEXTILE INDUSTRY—****FINANCE**

Payments by checks to wholesale organizations.  
A. Zakharov. Den. i kred. 23 no. 5:59-60 My '65.

**VOLGOGRAD PROVINCE—TRACE ELEMENTS**

Prospecting significance for manganese, strontium,  
and barium in the deep waters of the oil field in the  
Volga Valley portion of Saratov and Volgograd Provinces.  
D. S. Korobov. Trudy NVNIIGG no. 1:73-75 '64.

**VOLOGDA—FLAX**

Production of flax bast in a strip and its processing at  
Vologda Flax Works. Blul. tekhn. ekon. inform. Gos.  
nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:87  
Ap '65.

**VOLOGDA PROVINCE—AGRICULTURAL CREDIT**

Efficiency of issuing credit to collective farms.  
A. Testov. Den. i kred. 23 no. 5:51-52 My '65.

**VOLOGDA PROVINCE—COLLECTIVE FARMS—FINANCE**

Efficiency of issuing credit to collective farms.  
A. Testov. Den. i kred. 23 no. 5:51-52 My '65.

**VOLOGDA PROVINCE—PRESS**

[Assistants of the party] Poduchnye partii. [Vologda]  
Vologodskoe knizhnoe izd-vo, 1963. 143 p.  
(CS-I)

**VOLOGDA PROVINCE—RURAL SCHOOLS**

Small schools. V. Shatov. Nar. obr. no. 6:13-14 Je  
'65

**VOLOGSOVO DISTRICT—EDUCATION, PRESCHOOL**

Pick of a state farm. V. Smirnov. Doshk. vosp. 38  
no 3:20-21 Mr '65

**VOLTAGE REGULATORS**

Economic efficiency of automatic voltage regulation  
S. A. Obukhov. Vest. TSNIIMPS 24 no 1:59-60 '65  
Transistorized voltage stabilizer with improved pulsa-  
tion smoothing. G. S. Velskiy. Tekhn. kino i telev. 9  
no. 4:47-50 Ap '65.

**VOLTMETER**

Digital voltmeter. F. Lomtev. Radio no 3:51-53 Mi  
'65.

Unbalanced voltage in registering voltmeters. A. S.  
Pinsky. Energetik 13 no. 4:20-21 Ap '65.

**VOLUMETRIC ANALYSIS see Titration****VOLUMETRIC APPARATUS**

Volumetric apparatus. L. V. Iakovlev. Izv. tekhn.  
no. 2:55-57 F '65

**VOLYN'—SLAVIC ANTIQUITIES**

Burial in Gorka-Polanka in Volyn'. M. Tu. Bialchicki  
Mat. i issl. po arkheol. SSSR no 116:173-175 '64

**VOLYN' PROVINCE—GABHRO**

Gabbro intrusions in the faults of Volhynia; based on  
geophysical data. V. M. Igolov. Geofiz. sbor. no 8  
125-133 '61

**VOLYN' PROVINCE—POTATO BEETLE—EXTERMINA-****TION**

100 beetles a day. N. G. Golitskiy. Zashch. rast. ot  
vred. i bol. 10 no. 4:13 '65

**VOMITING**

Prevention and treatment of vomiting and regurgitation of  
the contents of the stomach in anesthesia in emergency  
surgery. G. A. Lukin-Butenko and others. Trudy Inst.  
im. N. V. Sklif. 9:233-239 '63

Regurgitation and vomiting during anesthesia under  
conditions of emergency surgery. Z. V. Platonova.  
Trudy Inst. im. N. V. Sklif. 9:245-248 '63.

**VORKUTA (KOMI A.S.S.R.)—HOUSING**

Community of Vorkuta at work. A. T. Sukerman. Zhil.-  
kom. khoz. 15 no. 1:8 Ja '65

**VORKUTA (KOMI A.S.S.R.)—PILING (CIVIL****ENGINEERING)**

Experimental driving of friction piles in Vorkuta in  
areas of deep permafrost. V. M. Eroshenko. Osn.,  
fund. i mekh. grun. 7 no. 3:18-18 '65.

**VORONEZH—COMMUNITY AND SCHOOL**

Teachers and volunteer workers. I. Sysoev. Nar. obr.  
no. 7:27-28 Ji '65.

**VORONEZH—TRANSPORTATION, AUTOMOTIVE—****COST OF OPERATION**

More attention to the introduction of internal cost  
accounting in automotive transportation units.  
T. Klepikov, I. Lapshin. Avt. transp. 43 no. 2:  
36-38 F '65.

**VORONEZH PROVINCE—SOVIETS**

Dolzhenko, A. G. [Rural soviet with community partici-  
pation] Sel'sovet na obshchestvennykh nachalakh. Voro-  
nezh. Voronezhskoe knizhnoe izd-vo, 1963. 51 p.  
(CS-I)

**VORONEZH PROVINCE—TECHNOLOGICAL INNOVA-****TIONS**

Comments on the report. L. Leonidov. NTO 7 no. 5:  
37-39 My '65

**VOROSHILOVGRAD see Lugansk****VOROSHILOVGRAD PROVINCE see Lugansk Province****VORSKLA VALLEY—ROCKS**

Soil forming rocks on the territory of the Forestry  
Training Station "Les na Vorskle." L. S. Schastnina,  
Vest. LGU 20 no. 9:143-156 '65.

**VORSKLA VALLEY—SOIL FORMATION**

Soil forming rocks on the territory of the Forestry  
Training Station "Les na Vorskle." L. S. Schastnina,  
Vest. LGU 20 no 9:143-156 '65.

**VORTEX MOTION**

Spiral motion of bodies. A. D. Zamorskiy. Priroda  
54 no. 8:78-78 Je '65.

**VOVCHOK, MARKO**, pseud  
Krukova, N.E. [Pages of creative life, Marko Vovchok in his life and work] Storinky tvorchoho zhyttia, Marko Vovchok i zhytti i pratsi. Kyiv, Dnipro, 1965, 388 p. (CaOTU)

#### VOYAGES AND TRAVELS

**Ptoshkov, L.P.** [Around the world on the "Zaria"] Vokrug sveta s "Zarei." Moskva, Mysl', 1965, 230 p. illus. (Puteshestviia, prikliucheniia, fantastika)

#### VULCANIZATION

Effect of the vulcanizing network structure on the strength and elasticity of rubbers. Part 2: Structural changes of the network under thermal and thermooxidative action. A.S. Lykin, Z.N. Tarasova, B.A. Dogadkin. Koll. zhur. 27 no. 2:224-231 Mr-Apr '65.  
Effect of vulcanization cross-linkages and strain conditions on the static and dynamic strength of vulcanizates. B.A. Dogadkin, K.G. Kuangshv, V.E. Gul', Koll. zhur. 27 no. 2:182-185 Mr-Apr '65.

#### VULCANIZATION—ELECTROMECHANICAL ANALOGIES

Distribution of heat sources in vulcanization presses and check of the solving of such kind of problems on electric models. N.A. Fridlender, M.M. Maizel'. Nauch. trudy MTILP no. 30:258-268 '64.  
Using the method of electric modeling in the study of unsteady temperature fields in vulcanization presses. N.A. Fridlender. Nauch. trudy MTILP no. 30:246-257 '64.

#### VULVA—CANCER

Late results of treating patients with cancer of the vulva. I.U. B. Bobylev. Vop. onk. 11 no. 3:90-93 '65.

#### VURNARY DISTRICT—VETERINARY HYGIENE

In the drive for the development of animal husbandry. M.A. Glazov. Veterinaria 41 no. 4:7-8 Apr '65.

#### VVEDENSKII, IRENAKH IVANOVICH, 1813-1855

I.I. Vvedenskii's translation of phrases in works by Dickens and Thackeray. I.A. Borodianskii. Uch. zap. Kaf. perev. MGPIIA no. 2:100-108 '64.

#### VYCHEGDA VALLEY—ANTIQUITIES

Burov, G.M. [Vycheгда region; an outline of its ancient history] Vycheгодskii kraj, ocherki drevnei istorii. Moskva, Nauka, 1965, 195 p.

#### WAGES

New enactments. Sots. zakon. 42 no. 2:86-88 F '65.  
**Veisman, A.** [New forms of wages under the conditions of present-day capitalism] Nove formy zarabotnoi platy v usloviakh sovremennogo kapitalizma. Moskva, Vysshiaia shkola, 1965, 101 p. (Studenty, izuchaiushchemu politikononiiu)  
Wages of workers in the gas industry. Zhil. i kom. khoz. 15 no. 1:32-33 Ja '65.

#### WAGES—CLOTHING WORKERS

Improving the wage and occupation classification for clothing industry workers. L.I. Basalygo, L.V. Koriakova. Shvein. prom. no. 2:4-7 Mr-Apr '65.

#### WAGES—COAL MINERS

Payment of wages to miners. I. Mikhailenko. Sov. shakht. 14 no. 3:40 Mr '65.

#### WAGES—CONSTRUCTION INDUSTRY

Practices in the payment of wages for finishing work. G.F. Lisenko, N.P. Balashov. Transp. stroi. 15 no. 4:33-34 Apr '65.  
Replies to our readers' questions. Ekon. stroi. no. 5:71-77 My '65.

#### WAGES—CONSTRUCTION WORKERS

Practice in introducing a piecework wage system. N. Brilukhanov, V. Pitrimov. Ekon. stroi. no. 5:43-44 My '65.  
Wages in housing construction according to scheduled piecework. M. Ekel'chik. Stroi. i arkh. 12 no. 2:33-36 F '64.

#### WAGES—FOOD INDUSTRY

Material incentives for the workers of light industry, the food industry, and trade. Fin. SSSR. 39 no. 6:92-94 Ja '65.

#### WAGES—FURNITURE WORKERS

Group piece-rate wages in furniture enterprises. A.I. Miliukov. Der. prom. 14 no. 2:16-18 F '65.

#### WAGES—HIGHWAY TRANSPORT WORKERS

Wages of automotive transportation workers. Avt. transp. 43 no. 5:37-38 My '65.

#### WAGES—HOUSING MANAGEMENT

Some problems in the improvement of the wages of workers in housing management. Zhil. i kom. khoz. 15 no. 4:34-35 Apr '65.

#### WAGES—MANUFACTURES

Material incentives for the workers of light industry, the food industry, and trade. Fin. SSSR. 39 no. 6:92-94 Ja '65.

#### WAGES—MUNICIPAL SERVICES

New wage rates for operators of heating boilers. Zhil. i kom. khoz. 15 no. 4:33-34 Apr '65.

#### WAGES—STATE FARMS

Legal issues in the wage system of the state farms. E. Panova. Sots. zakon. 42 no. 3:80-83 Mr '65.

#### WAGES—SUGAR WORKERS

More about the collective wage system of workers in sugar factories during the production season. A. P. Srobotenko, M.I. Kats. Sakh. prom. 39 no. 5:53-54 My '65.

#### WAGTAILS

Feathered ballerina. V. Shevchik. Zashch. i ust. ot vied. 1 bol. 10 no. 4:16 '65.

#### WAKA

Poetics of the Japanese tanka. I.A. Boronina. Nar. Az. i Afr. no. 3:100-112 '65.

#### WALL NEWSPAPERS

Wall newspapers for miners. G. Korytin. Sov. shakht. 14 no. 5:43 My '65.

#### WALLS

New methods for constructing walls and making wall elements of stone and concrete. A. Mamidzhanian and others. Prom. Arm. 8 no. 4:84-88 Apr '65.

#### WALLS—STANDARDS

[Wall, roofing, and insulation materials] Materialy stenovye, krovel'nye, izolatsionnye. Izd. ofitsial'noe, Moskva, Izd-vo Standartov, 1965, 315 p. (SSSR. Gosudarstvennye standarty)

#### WALNUT—DISEASES AND PESTS see subdivision under Kirghizistan

#### WAR

Character and types of wars of the present epoch. K. Bochkarev. Komm. Vooruzh. Sil. 46 no. 11:8-17 Je '65.

#### WAR CRIMINALS

(see also subdivision under Germany, East; Germany, West)  
Hitlerite executioners must not escape their punishment. R. Rudenko. Sots. zakon. 42 no. 3:2-7 Mr '65.

#### WARBLE FLIES

Migration pathways of the first instar larvae of the ox warble fly (Hypoderma bovis De Geer) in the host organism. K.A. Breev, V.N. Dladchko. Zool. zhur. 44 no. 5:728-733 '65.

#### WARBLE FLIES—EXTERMINATION

(see also subdivision under Tyumen' Province)  
Biological bases for controlling warble flies in cattle. A.S. Sveshnikov. Veterinaria 42 no. 6:47-49 Je '65.  
Chlorophos and early chemotherapy of Hypoderma infestation. I.S. Zhaiikov and others. Veterinaria 42 no. 6:51 Je '65.  
Prophylactic measures against warble flies. A.I.A. Baldalin. Veterinaria 42 no. 6:50 Je '65.  
Summer spraying of cattle with insecticides against Hypoderma infestation. I.A. M. Kolomlets. Veterinaria 42 no. 6:52-53 Je '65.

#### WAREHOUSES

Norm indices for piece-good storehouses. A. Kh. Konashenko, M.A. Rikman. Mekh. i avtom. proizv. 19 no. 4:50-53 Apr '65.  
Present-day problems of warehouses. B. Gamza. Sov. torg. 38 no. 3:14-17 Mr '65.

#### WAREHOUSES—DESIGN AND CONSTRUCTION see subdivision under Zvenigorod District

#### WARSAW—THEATER

Characterization of Rudolf Hess. Lev Slavin. Teatr. 26 no. 6:158-160 Je '65.

#### WARSAW PACT, 1955

Fighting alliance of the European socialist countries; for the 10th anniversary of the Warsaw Pact. M. Senin. Agitator. 33 no. 9:34-36 My '65.

#### WASPS

Study of the family Fedtschenkildae (Hymenoptera, Sapygidae). V.I. Tobias. Zool. zhur. 44 no. 6:705-715 '65.

#### WASTE HEAT

Thermal decontamination of the wastes of chemical industries with consecutive utilization of the waste heat. E.A. Kulev and others. Khim. prom. 41 no. 5:360-383 My '65.

#### WASTE PRODUCTS

Utilize the wastes of fur industries in the manufacture of cardboard for shoe manufacture. L. Abramson. Kozh. i obuv. prom. 7 no. 4:30-10 Apr '65.

#### WATCHMEN

Material liability of a patrol guard provided by an internal agency. M. Markova. Sots. zakon. 42 no. 3:61-65 Mr '65.

#### WATER

Quantitative determination of small concentrations of water by means of ethyldithium. D.K. Polukov. Vysokom. soed. 7 no. 1:606-608 Apr '65.

Water is indispensable. B.I. Lomov, M.I. Morfin. Pelroda. 54 no. 6:17-23 Je '65.

#### WATER—ANALYSIS

Determination of acetate microquantities in water. I. A. Muro, I.G. Shafan. Trudy INIA no. 25:201-204 '61.  
Hydroperoxide reaction in the determination of phosphorus organic compounds in water and feeds. G.N. Korzhovnikov, V.I. Kollakov, M.I. Gromskov. Veterinaria 42 no. 5:78-77 My '65.

#### WATER—COMPOSITION see subdivision under Black Sea, Cilmon; Polcyye

#### WATER—INFORMATION SERVICES see subdivision under Poland

#### WATER—MICROBIOLOGY see subdivision under Dnieper River; Formanovo District

#### WATER—POLLUTION see subdivision under Dnieper River, Krivoy Rog Basin

#### WATER—THERMODYNAMICS

Critical heat flows in a forced water current. G.V. Alekseyev and others. Teploenergetika 12 no. 3:47-51 Mr '65.

Thermodynamic properties of water and water vapor. Kh.I. Amirhanov and others. Teploenergetika 12 no. 3:50-59 Mr '65.

#### WATER, DISTILLED

General loss of salts by some Black Sea lakes (brines) in distilled water. O.G. Karandeeva. Trudy INIA 17:360-370 '64.

#### WATER, EFFECT OF RADIATION ON

Mechanism of hydrogen peroxide formation in a 10, 4% aqueous solution of sulfuric acid at high dose rates of absorption. A.K. Pikaev and others. Kozh. i obuv. 11 no. 1:41-47 Jan-Feb '65.

#### WATER, UNDERGROUND

(see also subdivision under Carpathian Mountains region; Crimea; Siberia, Western, Soviet Central Asia; Tyumen' Province; Uzbekistan)  
Formation of the cone of a trough of underground waters in the area of an acting water intake near the river. Dokl. AN SSSR 0 no. 2:180-182 Mr '65.  
Forms of the occurrence of thorium isotopes in ground waters. V.S. Dement'ev, N.G. Syromiatnikov. Geokhimiia no. 2:211-218 F '65.  
Geophysical studies in the carrying out of experimental hydrogeological investigations in wells. N.I. Pechenkin, A.A. Arifzhanov. Uzb. geol. zhur. 9 no. 2:10-17 '65.  
**Mal'dava, Z.** [Underground waters; fundamentals of hydrogeology for the students of agricultural disciplines] Raznos udon; hidrogeologian pamati lauksaimniecibas specialitatu studentom, Riga, Latvijas Valsts izdevnieciba, 1964, 235 p. [in Latvian]

Wells for vacuum water lowering in stratified soils. R.N. Arutimian, B.M. Kazakov, A.D. Kleiman. Osn. fund. i mekh. grun. 7 no. 3:12-13 '65.

#### WATER, UNDERGROUND—BIBLIOGRAPHY see Bibliography—Water, Underground

#### WATER CONSERVATION

Water balance and harvest. M.I. L'vovich. Izv. AN SSSR. Ser. geog. no. 3:36-47 My-Je '65.

#### WATER FLEAS

(see also subdivision under White Sea)  
Effect of temperature of the sex ratio in the offspring of Macrocyclus albidus (Jur.) (Copepoda, Cyclopoida). A.V. Monakov. Zool. zhur. 44 no. 4:505-508 '65.

#### WATER HEATERS

Jet-type preheaters. N.M. Zinger. Energetik 13 no. 2:20 F '65.

#### WATER METABOLISM

Intestinal absorption of water in dogs under the influence of high temperature. N.A. Korotina. Uzb. biol. zhur. 9 no. 1:32-35 '65.

#### WATER PIPELINES

Practices in manufacturing pressure and non-pressure reinforced concrete pipes. A.I. Mirskii. Trudy Giprovdokhoza no. 28:3-71 '64.

## WATER PIPES

Manufacturing water and gas pipes from cut strips in continuous furnace-welding units. G. I. Chetnikov, R. V. Popov. *Izvestiya Akad. Nauk SSSR, Tekhn. Nauch. Inst. Nauch. i Tekh. Inform.* 18 no. 4:3-5 Ap '65.

**WATER RESOURCES DEVELOPMENT** see subdivision under Balkhash Lake region; North America

## WATER SUPPLY

(see also subdivision under Rublevo, Moscow Province)

**Russia (1917- R. S. F. S. R.) Upravlenie vodoprovodno-kanalizatsionnogo khozaystva** [Regulations concerning the technical operation of water supply lines and sewerage systems] *Pravila tekhnicheskoi ekspluatatsii vodoprovodov i kanalizatsii*. Moskva, Stroizdat, 1965, 306 p.

## WATER SUPPLY, RURAL

Efficient designs for the water-supply systems of poultry houses and the sewerage systems of cow barns. V. Maslennikov. *Sel'sk. stroit.* 10 no. 4:11-12 Ap '65.

## WATER-SUPPLY ENGINEERING

**Ribal'shchik, L. A.** [Sanitary problems in the building of hydraulic structures] *Gidraulicheskie voprosy gidrostroitel'stva*. Moskva, Meditsina, 1965, 245 p.

Raising a liquid with an open belt. A. G. El'menkov. *Vop. gidr.* no. 22:51-53 '65.

## WATER TOWERS see subdivision under Leningrad

## WATER VAPOR—THERMODYNAMICS

Thermodynamic properties of water and water vapor. Kh. I. Amirkhanov and others. *Toploenergetika* 12 no. 3:56-58 Ma '65.

## WATERMELONS

Effect of gamma-rays on the yield of watermelons. A. T. Galina. *Vest. sel'sk. khoz. nauki* 8 no. 8:53-54 Ag '63.

## WATERWORKS INTAKES see Intakes (Hydraulic engineering)

## WAVE EQUATIONS

Energy relations on the boundary of a nonlinear medium. V. F. Maschenko. *Izv. vuz. ucheb. zav., radiofiz.* 8 no. 2:405-407 '65.

## WAVE GUIDES

Calculating broadband stop transit from a  $\pi$ -shaped wave guide to rectangular wave guides. M. A. Cheternykh. *Izv. tekhn. i fiz.* 20 no. 3:489-495 Mr '65.

Calculating the phase velocity of a wave in the septate wave guide of a linear accelerator. A. I. Zykov, L. A. Makhenko. *Zhur. tekhn. fiz.* 35 no. 3:489-495 Mr '65.

Calculation of a Y-type waveguide distributor. V. I. Vol'man. *Radiotekhnika* 20 no. 3:21-30 Mr '65.

Calculation of resonators and wave guides with multi-layer dielectrics. G. F. Semenov. *Izv. vuz. ucheb. zav., radiofiz.* 8 no. 2:407-409 '65.

Calculation of the group wave velocity and damping in the septate wave guide of a linear accelerator. A. I. Zykov, L. A. Makhenko. *Zhur. tekhn. fiz.* 35 no. 3:502-504 Mr '65.

Calculation of the passband of straight waveguides with stepped cross section. A. I. Aleshin, A. N. Golubov, V. G. Kalashnikov. *Radiotekhnika i elektronika* 10 no. 8:1038-1042 Je '65.

Calculation of the phase characteristics of nonsymmetrical wave types and the filtering action of a helical waveguide. I. P. Kotik, A. N. Sivov. *Radiotekhnika i elektronika* 10 no. 8:1065-1072 Je '65.

Delay system using septate waveguides with cross-type cross section. A. I. Tereshchenko, A. G. Shein. *Radiotekhnika i elektronika* 10 no. 8:1029-1037 Je '65.

Determining the equivalent reflection coefficient of the septate wave guide of a linear accelerator. A. I. Zykov, L. A. Makhenko, G. D. Kramskoi. *Zhur. tekhn. fiz.* 35 no. 3:508-510 Mr '65.

Excitation of a system of semi-infinite plates by linear sources. I. U. M. Alvarian, D. M. Sedrakian. *Izv. AN Arm. SSR, Ser. fiz.-mat. nauk* 18 no. 1:117-125 '65.

Experimental observation of the tunnel effect in Cooper pairs with photon emission. I. K. Anson, V. M. Sytalinov, I. M. Dmitriyenko. *Zhur. eksp. i teoret. fiz.* 48 no. 3: 976-979 Mr '65.

Matched slot exciter of  $H_{10}$  and  $E_{11}$  waves in a round waveguide. I. R. Gokker, G. S. Lukhanchikov, K. F. Sergeichev. *Radiotekhnika i elektronika* 10 no. 8:1138-1139 Je '65.

Nonuniformities in rectangular waveguides. Capacitive barriers. V. P. Shestopalov, V. V. Shcherbak. *Radiotekhnika i elektronika* 10 no. 8:1043-1050 Je '65.

The operator method of description of bundles of waves in complex quasi-optical systems. V. I. Talanov. *Izv. vuz. ucheb. zav., radiofiz.* 8 no. 2:200-211 '65.

Radiation from the open end of a plane semi-infinite wave guide. I. U. M. Alvarian, D. M. Sedrakian. *Zhur. tekhn. fiz.* 35 no. 3:450-454 Mr '65.

## WAVES

Effect of the decay of an Al<sup>11</sup> wave in the exosphere on the character of short-period oscillations of the earth's electromagnetic field. A. V. Gul'el'mi. *Izv. AN SSSR, Fiz. zem.* no. 2:50-53 '65.

Structure of the wave field of a straight-line homogeneous dielectric B group. I. U. A. Vasil'ev, L. D. Raichev, C. I. Sngulov. *Izv. AN SSSR, Fiz. zem.* no. 2:60-74 '65.

## WEATHER FORECASTING

(see also subdivision under Atlantic Ocean)

Experience in forecasting by the complex method. N. N. Mikheeva. *Trudy TSIP* no. 139:67-70 '65.

Forecast of 11500 for 4-6 days. I. P. Puzganskaya. *Trudy TSIP* no. 139:111-116 '65.

Forecasting the air temperature for winter. D. A. Drogatnev. *Trudy TSIP* no. 139:35-46 '65.

Method of forecasting the general character of the weather for a month. D. A. Ped'. *Trudy TSIP* no. 139:71-83 '65.

Problem of forecasting precipitation for a month. D. A. Ped'. *Trudy TSIP* no. 139:89-110 '65.

Weather forecast for the U. S. S. R. in July 1965. Kh. Kh. Rafailova, Z. G. Blinnikova. *Meteor. i gidrol.* no. 7: 80-72 Ji '65.

## WEATHERING

(see also subdivision under Black Sea region)

Basic features of the geochemistry of hydrolyzate elements in weathering and sedimentation processes. A. D. Ronov, A. A. Migul'sov. *Geokhimiya* no. 2:131-158 F '65.

## WEED CONTROL

(see also subdivision under Kazakhstan, Kokechetay Province; Ob' Valley; Siberia; Virgin Territory)

Chemical control of the wild oat. G. A. Chesalin, Kh. D. Ramazanov. *Vest. sel'sk. khoz. nauki* 8 no. 8:44-46 Ag '63.

Controlling wild oats. P. P. Kolmakov. *Zemledelo* 27 no. 5:32-35 My '65.

Effect of ofiran 99 on carbohydrate and protein metabolism in weeds. M. A. Alizade, Shakhali Mamedov, S. V. Kurakhanova. *Izv. AN Azerb. SSR Ser. biol. nauk* no. 6:19-22 '64.

Effect of some triazine derivatives on the weediness and yield of peas. A. D. Konev, T. A. Gerasimova, Khim. v sel'sk. khoz. 3 no. 1:40-48 Ap '65.

To the attention of researchers. T. Krylov, Zashch. rast. ot vred. i bol. 10 no. 4:12-13 '65.

Use of herbicides in orchards. V. Konopleva. *Zashch. rast. ot vred. i bol.* 10 no. 5:24-25 '65.

## WEED KILLERS see Herbicides

## WELDS

(see also subdivision under Caspian Lowland, Khachmas region, Azerbaijan)

Map on the weediness of fields. I. N. Kazakov. *Zemledelo* 27 no. 5:82-85 My '65.

## WEEVILS

Apple blossom weevil (*Anthonomus pomorum*). A. F. Berg. *Zashch. rast. ot vred. i bol.* 10 no. 5:30-40 '65.

## WEEVILS—EXTERMINATION

Causes of the resistance of the gray sugar beet weevil *Tymeneus palliatus* to polyphosphine. N. M. Permiakova. *Khim. v sel'sk. khoz.* 3 no. 5:24-28 My '65.

Spraying must be timely. V. Stepanova. *Zashch. rast. ot vred. i bol.* 10 no. 5:48 '65.

## WEIGHT THROWING

"Overcoming of the missile" by throwers during hammer throwing. V. P. Kuznetsov. *Teori. i prakt. fiz. kul't.* 28 no. 6:28-30 Je '65.

## WELDED ALUMINUM STRUCTURES

*Vsesoyuznaya konferentsiya po proektirovaniu svarnykh konstruktsii*, Kiev, 1963. [Design of welded structures; reports]. Proektirovaniye svarnykh konstruktsii; [doklady]. Kiev, Naukova dumka, 1965, 426 p.

## WELDED STEEL STRUCTURES

Inefficient application of modern methods of erecting sheet metal structures. G. S. Suprun. *Avtom. svar.* 18 no. 4:67-69 Ap '65.

Some considerations concerning prospects for the development of welded structures. N. O. Okerblom. *Avtom. svar.* 18 no. 4:1-6 Ap '65.

*Vsesoyuznaya konferentsiya po proektirovaniu svarnykh konstruktsii*, Kiev, 1963. [Design of welded structures; reports]. Proektirovaniye svarnykh konstruktsii; [doklady]. Kiev, Naukova dumka, 1965, 426 p.

## WELDING

(see also subdivision under Japan)

Friction welding of boring bit blanks. A. I. Kristoforov. *Svar. proizv.* no. 8:32-33 My '65.

Twentieth anniversary of the victory over the fascist invaders. *Svar. proizv.* no. 6:1-2 My '65.

## WELDING—CONGRESSES

All-Union Topical Conference On The Weldability Of Heat Treated Low Alloy Steel. E. M. Kuzmak. *Svar. proizv.* no. 5:45-46 My '65.

All-Union Topical Conference on the Welding of Low Alloy Steel. V. I. Logvinov. *Avtom. svar.* 18 no. 5: 80 My '65.

Annual report of Commission IX "The behavior of metals during welding" at the Congress of the International Welding Institute in Helsinki, Finland in July, 1963. G. A. Marsanova. *Svar. proizv.* no. 5:42-45 My '65.

Concerning the Congress of the International Welding Institute in 1965. *Svar. proizv.* no. 5:42 My '65.

Conference of chief welding personnel. *Avtom. svar.* 18 no. 5:79 My '65.

Conference on the mechanization of welding operations in agricultural machinery construction. V. A. Volkov, T. K. Vakar. *Svar. proizv.* no. 4:48 Ap '65.

Conference on welding quality control. Z. B. Dreizen-shik. *Avtom. svar.* 18 no. 3:79-80 Mr '65.

List of documents of the International Welding Institute received by the National Committee of the U. S. S. R. on welding from August to December, 1964. G. A. Marsanova. *Svar. proizv.* no. 4:40-41 Ap '65.

Seminar on efficient planning of welded structures. M. M. Popokhin. *Avtom. svar.* 18 no. 5:78 My '65.

Welder's conference in Yaroslavl. V. A. Asriants. *Svar. proizv.* no. 4:45 Ap '65.

## WELDING—EQUIPMENT AND SUPPLIES

Bench-table for welding. *Mont. i spets. rab. v stroit.* 25 no. 7:28 Ji '63.

Determining the level of mechanization and automation in welding. P. I. Sevbo. *Avtom. svar.* 18 no. 3:62-67 Mr '65.

Friction welding machine. V. M. Volkov. *Avtom. svar.* 18 no. 3:73 Mr '65.

Investigating the kinetics of electrode melting during welding. I. K. Pokhodila, B. A. Kostenko. *Avtom. svar.* 18 no. 4:11-14 Ap '65.

The MSTA-31 automatic welder. G. Vasilov, S. Prokofev. *Avtom. svar.* 18 no. 3:74 Mr '65.

Manipulator for welding small parts. A. V. Iarkov. *Svar. proizv.* no. 4:37 Ap '65.

New equipment for welding. M. V. Khanchetov. *Mont. i spets. rab. v stroit.* 25 no. 7:18-22 Ji '63.

Prospects for the expansion of techniques of welding main pipelines. A. S. Fal'kevich. *Svar. proizv.* no. 4:12-15 Ap '65.

Welding equipment at the Exhibition of the Achievements of the National Economy of the U. S. S. R. in 1964. K. I. Boeva. *Svar. proizv.* no. 4:42-45 Ap '65.

Welding equipment in the U. S. S. R. and abroad. V. I. Smerzhko, P. F. Khaichenko. *Avtom. svar.* 18 no. 5: 60-65 My '65.

## WELDING—QUALITY CONTROL

Conference on welding quality control. Z. B. Dreizen-shik. *Avtom. svar.* 18 no. 3:70-80 Mr '65.

Improving the quality of welding operations is a major task. *Avtom. svar.* 18 no. 3:1-4 Mr '65.

Some considerations concerning prospects for the development of welded structures. N. O. Okerblom. *Avtom. svar.* 18 no. 4:1-6 Ap '65.

## WELDING—TABLES, CALCULATIONS, ETC.

Determination and analysis of some indices of welding on the basis of statistical accounts. A. A. Bukovoi, V. I. Svezhko. *Avtom. svar.* 18 no. 3:68-72 Mr '65.

## WELDING—TESTING

Unit for the testing of experimental models of welded thin-walled vessels under double axial tension. S. A. Kurkin and others. *Svar. proizv.* no. 5:9-11 My '65.

## WELDING, GAS see Gas welding and cutting

## WELDING RESEARCH

Laboratory research of welding centers; summary of letters. *Avtom. svar.* 18 no. 5:58-59 My '65.

## WELLS

(see also subdivision under Kopetdag region)

Wells for vacuum water lowering in stratified soils. R. N. Arutunian, D. M. Kazakov, A. D. Kleiman. *Osn. i fund. i mekh. grun.* 7 no. 3:12-13 '65.

## WEST GERMANY see Germany, West

## WEST KAZAKHSTAN TERRITORY—PARASITES—SUSLIK

Characteristics of parasites in the burrows of lesser suslik as related to their purpose and the presence of the host animal. N. M. Okutova. *Zool. zhur.* 44 no. 5:747-753 '65.

## WEST SIBERIAN PLAIN—EARTH—SURFACE

Crustal structure in the southern part of the West Siberian Plain. S. V. Krylov, V. S. Surkov, E. R. Mishchenko. *Geol. i geofiz.* no. 1:62-72 '65.



**WEST SIBERIAN PLAIN—GEOLOGY, STRATIGRAPHIC**  
Biot. stratigr. of Volga, Aral and Lower Baikalian  
plateaus and mountains in the West Siberian Plain. S. P.  
Mukharbekov, I. G. Klimova. Geol. i geofiz. na 130-42  
'64.

**WEST SIBERIAN PLAIN—PALEOBOTANY, STRATIGRAPHIC**  
Latitudinal zonality of the vegetation in the Middle Oligocene of the West Siberian Plain, based on the data of pollen-pollen analysis. I. F. Shirkova. Izv. SO AN SSSR na 1. Ser. biol.-med. nauk no 3:21-28 '64.

**WEST SIBERIAN PLAIN—PALYNOLOGY**  
Spores and pollen in the oils of the West Siberian Plain. S. F. Bliznichenko, L. A. Krasnova. Geol. i geofiz. na 116-119 '64.

**WEST SIBERIAN PLAIN—PETROLEUM—ANALYSIS**  
Spores and pollen in the oils of the West Siberian Plain. S. F. Bliznichenko, L. A. Krasnova. Geol. i geofiz. na 116-119 '64.

**WEST URAL ECONOMIC REGION—CAPITAL**  
Accounting for working capital. A. Spasskii. Fin. SSSR 39 no. 5:50-53 Je '65.

**WESTERN EUROPE** see Europe, Western

**WESTERN SIBERIA** see Siberia, Western

**WESTERN SLAVS** see Slavs, Western

#### WHARVES

Use of free-lying unloading platforms for anchorage. A. Polubinskiy. Rech. transp. 23 no. 12:37-38 D '64.

#### WHEAT

Dependence of the spring wheat crop on precipitation in the central nonchernozem zone. T. F. Bogdanova. Meteor. i gidrol. no. 7:46-48 JI '65.

Development of mycorrhiza in wheat depending upon the cultivation practices. E. P. Khrushcheva. Trudy GSKH 9:5-15 '58.

Improved formation of generative organs in wheat sown at an early date. V. M. Pastukhova. Fiziol. rast. 12 no. 2:351-356 Mr.-Ap '65.

Toxicity of carbene to wild oats and wheat as related to various conditions. V. F. Ladomir, L. I. Beketova. Khim. v sel. khoz. 3 no. 5:46-50 My '65.

**WHEAT—DISEASES AND PESTS** see subdivision under Virgin Territory

#### WHEAT—FERTILIZERS AND MANURES

Effect of the amount and ratio of potassium and calcium in nutrient media on the yield and quality on winter wheat grain. L. V. Mosolova. Khim. v sel. khoz. 3 no. 5:2-6 My '65.

**WHEAT—FROST RESISTANCE** see subdivision under Gorkiy Province

#### WHEAT—VARIETIES

(see also subdivision under Uzbekistan)  
Nonenzymatic oxidation in the seed embryos of wheat of northern origin. V. A. Zenchenko. Fiziol. rast. 12 no. 2:242-247 Mr.-Ap '65.

**WHEAT—WATER REQUIREMENTS** see subdivision under Uzbekistan

#### WHEY

Preparation of whey for carrying out the agglutination reaction for brucellosis. F. P. Lokteva. Veterinaria 42 no. 6:95 Je '65.

#### WHITE RUSSIA—AERONAUTICS, COMMERCIAL

Contrasts of the outlying districts. V. Gol'tsov. Grazhd. av. 19 no. 5:20-21 My '62.

#### WHITE RUSSIA—AGRICULTURAL CREDIT

Issuing credit for the capital investments of state farms. V. Bliznets. Den. i kred. 23 no. 5:27-29 My '65.

#### WHITE RUSSIA—BANKS AND BANKING—ACCOUNTING

We are expanding the mechanization and centralization of accounting. I. Gavrilyovich. Den. i kred. 23 no. 6:63-66 Je '65.

#### WHITE RUSSIA—CABBAGE—VARIETIES

Testing the keeping quality of common cabbage varieties and possible hybrids in White Russia. D. K. Shapira, E. I. Chulkova, L. S. Tsihanouskaia. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:52-57 '64.

#### WHITE RUSSIA—CIVIL LAW

White Russia. Verkhovnyi Sovet. [Sixth Supreme Soviet of the White Russian S. S. R., third session, June 10-11, 1964. Verbatim report] Tretniala sesia Vialkhounaha Saveta Belaruskai SSR shostaha sklikannia, 10-11 chervnia 1964 goda. Stenagrafiichnaia spravazdacha, Minsk, Belarus', 1964. 530 p.

#### WHITE RUSSIA—CIVIL PROCEDURE

White Russia. Laws, statutes, etc. [Civil Procedure Code of the White Russian S. S. R., Hramadziannaki pratsessual'nyi kodeks Belaruskai SSR, Grazhdanski pratsessual'nyi kodeks Belaruskai SSR, Minsk, Belarus', 1965. 355 p.

White Russia. Verkhovnyi Sovet. [Sixth Supreme Soviet of the White Russian S. S. R., third session, June 10-11, 1964. Verbatim report] Tretniala sesia Vialkhounaha Saveta Belaruskai SSR shostaha sklikannia, 10-11 chervnia 1964 goda. Stenagrafiichnaia spravazdacha, Minsk, Belarus', 1964. 530 p.

#### WHITE RUSSIA—COLD STORAGE WAREHOUSES

Concentrate the main attention on the refrigeration technology. M. V. Zhilharev. Khol. tekhn. 42 no. 1:61-62 Ja-F '65.

#### WHITE RUSSIA—COLD WELDING

Introducing friction welding in White Russia. V. I. D'iachenko. Avtom. svar. 18 no. 3:57-58 M. '65.

#### WHITE RUSSIA—COMMUNIST YOUTH LEAGUE

Mazurova, I. A. S. [The Communist Youth League and workers' training in the system of White Russian labor resources] Komsomol i podgotovka rabochikh v sisteme trudovykh rezervov BSSR. Minsk, Belarus', 1964. 297 p.

#### WHITE RUSSIA—COOPERATIVE SOCIETIES

Control as indispensable prerequisite for the fulfillment of a plan. A. Sorokin. Sov. potreb. koop. 9 no. 5:28 My '65.

#### WHITE RUSSIA—COOPERATIVE SOCIETIES—FINANCE

Consolidated payments. G. Zyaman, B. Lukhtanova. Den. i kred. 23 no. 5:51-55 Je '65.

#### WHITE RUSSIA—COURTS

Legality and quality of court work. S. Shardyko. Sots. zakon 42 no. 2:10-13 F '65.

#### WHITE RUSSIA—DOWNY MILDEW

Hibernation of the causative agent of the downy mildew of sugar beets (Peronospora schachtii Fuchee) in White Russia. N. A. Dorozhkin, A. S. Shukanov. Dokl. AN BSSR 9 no. 3:208-210 M. '65.

#### WHITE RUSSIA—DRAINAGE

Hydraulic calculations for tile drainage pipes. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:78-82 '64.

#### WHITE RUSSIA—ENCEPHALITIS, EPIDEMIC

Data for the study of tick-borne encephalitis in White Russia. Report No. 2: Cultivation of White Russian strains on cell cultures. V. I. Votjakov, T. I. Lemeshevskaja. Vop. virus. 9 no. 5:608-614 S-O '64.

#### WHITE RUSSIA—FEED INDUSTRY

Problems of the development of the mixed feed industry in White Russia. G. Ostapenko. Muk. -elev. prom. 31 no. 2:13-11 F '65.

#### WHITE RUSSIA—FEEDING

Intensification of the production of milk and beef in White Russia. K. A. Sontsau, A. A. Halko. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:5-9 '64.

#### WHITE RUSSIA—GOOSE BREEDING

Effectiveness of crossing local White Russian geese with highly-productive breeds. M. Milyn. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:95-100 '64.

#### WHITE RUSSIA—KNOTWEED

Causes of the fruitlessness of the giant knotweed (Polygonum sachalinense Schmidt) in the White Russian S. S. R. V. M. Kudriavtseva. Dokl. AN BSSR 9 no. 3:194-196 Mr '65.

#### WHITE RUSSIA—LABOR AND LABORING CLASSES—EDUCATION

Mazurova, I. A. S. [The Communist Youth League and workers' training in the system of White Russian labor resources] Komsomol i podgotovka rabochikh v sisteme trudovykh rezervov BSSR. Minsk, Belarus', 1964. 297 p.

#### WHITE RUSSIA—LUPINE

Perennial lupine as a postharvest crop. V. S. Rubanau. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:45-51 '64.

#### WHITE RUSSIA—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Organization of the maintenance and repair by units and sections in White Russian automotive transportation units. A. Miroshnichenko. Avt. transp. 43 no. 5:26-27 My '65.

#### WHITE RUSSIA—MOTORBUS LINES

Passenger service in interurban bus traffic. A. Lis. Avt. transp. 43 no. 5:17-19 My '65.

#### WHITE RUSSIA—OFFENSES AGAINST PROPERTY

Legality and quality of court work. S. Shardyko. Sots. zakon 42 no. 2:10-13 F '65.

#### WHITE RUSSIA—PARASITES—SIREWS

Ecotoparallaxes of the common shrew Neomys fodiens Schreb. in White Russia. I. T. Azarnasov. Dokl. AN BSSR 9 no. 3:211-212 M. '65.

#### WHITE RUSSIA—PASTURES AND MEADOWS

Effect of the methods of the utilization of a sown pasture on its botanical form and productivity. I. A. Rudenko. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:83-87 '64.

#### WHITE RUSSIA—PAYMENT

Consolidated payments. G. Zyaman, B. Lukhtanova. Den. i kred. 23 no. 5:51-55 Je '65.

#### WHITE RUSSIA—PLANTS, PROTECTION OF

Plant protector's day. V. Savdovskiy. Zashch. rast. i lesa 1:101-10 no. 5:11-11 '65.

#### WHITE RUSSIA—POLITICS AND GOVERNMENT

White Russia. Verkhovnyi Sovet. [Sixth Supreme Soviet of the White Russian S. S. R., third session, June 10-11, 1964. Verbatim report] Tretniala sesia Vialkhounaha Saveta Belaruskai SSR shostaha sklikannia, 10-11 chervnia 1964 goda. Stenagrafiichnaia spravazdacha, Minsk, Belarus', 1964. 530 p.

White Russia. Verkhovnyi Sovet. [Sixth Supreme Soviet of the White Russian S. S. R., fourth session, December 22-23, 1964. Verbatim report] Chetvertiala sesia Vialkhounaha Saveta Belaruskai SSR shostaha sklikannia, 22-23 snezhnia 1964 goda. Stenagrafiichnaia spravazdacha, Minsk, Belarus', 1965. 103 p.

#### WHITE RUSSIA—POLYGONUM

Polygonum weyrichi as a promising silage crop in White Russia. I. A. Kuznetsov, I. I. Cherkashina, E. I. Iakimovskaja. Rast. res. 1 no. 1:116-118 '65.

#### WHITE RUSSIA—POTATOES—FERTILIZERS AND MANURES

Effect of fertilizers on the yield and quality of potato tubers. E. S. Tsiatova. Vestsi AN BSSR. Ser. sel' i asp. nav. no 4:34-39 '64.

#### WHITE RUSSIA—ROADS—MAINTENANCE AND REPAIR

Unified management of freight haulage and road maintenance. V. Afanasenko. Avt. transp. 43 no. 5:15-17 My '65.

#### WHITE RUSSIA—SOCIAL LIFE AND CUSTOMS

Bogdanovich, A. E. [Pages from the life of Maksim Gor'kiy. Materials for the biography of Maksim Gorkiy. My reminiscences] Stranitsy iz zhizni Maksima Gor'kogo. Materialy k biografii Maksima Gorkiyevich, Mol. voopominaniia. [Minsk] Nauka i tekhnika [1963] 220 p.

#### WHITE RUSSIA—SOIL MOISTURE

Land improvement methods for lands oversaturated with water in White Russia. A. M. Zhaumharovich, H. D. Hrudoukin, A. M. Shafranaki. Vestsi AN BSSR. Ser. sel' i asp. nav. no. 4:71-77 '64.

#### WHITE RUSSIA—STATE FARMS—FINANCE

Issuing credit for the capital investments of state farms. V. Bliznets. Den. i kred. 23 no. 5:27-29 My '65.

#### WHITE RUSSIA—SUGAR BEETS—DISEASES AND PESTS

Hibernation of the causative agent of the downy mildew of sugar beets (Peronospora schachtii Fuchee) in White Russia. N. A. Dorozhkin, A. S. Shukanov. Dokl. AN BSSR 9 no. 3:208-210 M. '65.

#### WHITE RUSSIA—THEATER

Borisova, T. T. [Shakespeare on the White Russian stage] Shakespir na Belaruskai stsenie. Minsk, Nauka i tekhnika, 1965. 98 p. (NYC)

#### WHITE RUSSIA—TIRES, RUBBER—MAINTENANCE AND REPAIR

Overall mechanized areas for tire maintenance. V. Stychinskii. Avt. transp. 43 no. 5:24-26 My '65.

#### WHITE RUSSIA—TRANSPORTATION, AUTOMOTIVE

Development and growth of automotive transportation in White Russia. A. Andreev. Avt. transp. 43 no. 6:13-14 My '65.

Improve educational work every day. V. Chukovich. Avt. transp. 43 no. 5:7-8 My '65.

#### WHITE RUSSIA—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Unified management of freight haulage and road maintenance. V. Afanasenko. Avt. transp. 43 no. 5:15-17 My '65.

#### WHITE RUSSIA—WORLD WAR, 1939-1945

Fighting the enemy, fighting fires. P. Branovets. Pozh. delo no. 5:10-11 My '65.

**WHITE RUSSIAN FOLKLORE** see Folklore, White Russian

## WHITE RUSSIAN LANGUAGE

**Kryvitski, A. A.** [Our mother tongue, a popular essay] *Nashya idniala mova, navukova-populainy nays, Minsk, Vyd-va "Nadniala asveta," 1984, 137 p. (VU)*

Some features of the interaction between the Old Church Slavonic and White Russian literary languages. A. I. Zhuravskii. *Sov. slav. no. 2:44-54 '65.*

## WHITE RUSSIAN LANGUAGE—STYLE

**Shkraba, Ryhor.** [Character, style, detail; literary criticism] *Kharakter, styl', detal', literaturna-krytychnyia artykuly. Minsk, Belarus', 1965, 257 p.*

## WHITE RUSSIAN LITERATURE—HISTORY AND CRITICISM

**Shkraba, Ryhor.** [Character, style, detail; literary criticism] *Kharakter, styl', detal', literaturna-krytychnyia artykuly. Minsk, Belarus', 1965, 257 p.*

## WHITE SEA—CYCLOPODAE

Seasonal variability in size and some characteristics of the biology of *Oithona similis* Claus (Copepoda, Cyclopoda) in the White Sea (Kandalaksha Bay). V. S. Shvavlov. *Okeanologia 5 no. 2:335-347 '65.*

## WHITE SEA—HERRING FISHERIES

Prospects for herring fisheries in the northwestern part of the White Sea in 1965. B. M. Tambovtsev. *Mat. rybokhoz. issl. Sev. bas. no. 4:147-110 '64.*

## WHITE SEA—WATER FLEAS

Seasonal variation in size of *Oithona similis* Claus (Copepoda, Cyclopoda) in the White Sea. V. S. Shvavlov. *Mat. rybokhoz. issl. Sev. bas. no. 1:68-72 '64.*

## WHITE SEA—ZOOPLANKTON

Some data on zooplankton of the White Sea in March and April of 1960. L. M. Epshtein. *Mat. rybokhoz. issl. Sev. bas. no. 4:64-67 '64.*

## WHOLE AND PARTS (PHILOSOPHY)

"Wholeness" as a category of materialistic dialectics and its place in the system of categories. L. N. Samolov, I. F. Zubkov. *Vest. Mosk. un. Ser. 8: Ekon. filoz. 20 no. 2:59-67. M.-Ap '65.*

## WHOLESALE TRADE

Economic efficiency of wholesale trade. A. Grigor'eva. *Sov. potreb. koop. 9 no. 3:28-30. M. '65.*

## WHOLESALE TRADE—PRICES

Estimated prices in industry. P. Ginsburg. *Don. kred. 23 no. 5:22-26. My '65.*

## WILD LIFE, CONSERVATION OF

Preserving and improving the fauna in woodland parks. A. I. Rakhmanov. *Gor. khoz. Mosk. 39 no. 5:30-31. My '65.*

## WILD OATS

(see also subdivision under Virgin Territory)

Chemical control of the wild oat. G. A. Chesalin, Kh. D. Ruzmazanov. *Vest. sel'khoz. nauki 0 no. 0:44-46. Ag '63.*

Toxicity of carbene to wild oats and wheat as related to various conditions. V. F. Ladonin, L. I. Beketova. *Khim. v sel'khoz. 3 no. 5:46-50. My '65.*

## WILDCATS see subdivision under Uzbekistan

## WILNO see Vilnius

## WINCHES

More powerful, more reliable. A. Afanas'ev. *Sov. shakht. 14 no. 3:10. Mr '65.*

## WINCHES—DYNAMICS

Apparatus for measuring the stress in the traction part of winch units. P. B. Gnidach. *Trudy STI 33:107-73 '62.*

## WIND EROSION

Classification of light soils based on their wind erodibility. A. G. Guel', L. F. Smirnova. *Pochvovedenie 0 no. 4:1-15. Ap '65.*

## WINDING MACHINES

Automatic winding of condensers. I. U. I. Baklanov. *Mekh. i avtom. protv. 10 no. 4:20-31. Ap '65.*  
The PN-200M semiautomatic machine for winding the motor coils of electric motors. E. V. Kostmin. *Biul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. 10 no. 40:30-30. Ap '65.*

## WINDOW GARDENING

Window and balcony plantings. V. Priakhin. *Zh. i kom. khor. 15 no. 4:30-32. Ap '65.*

## WINDOWS

Deformation of those parts of a window frame which have been pressed as a unit from ground wood. M. Z. Sivtkin. *Der. prom. 14 no. 5:9-8. My '65.*

## WINDS

(see also subdivision under Caspian Sea)

Calculation of tangential wind stress in different thermic stratification. I. P. Bellaeva. *Okeanologia 5 no. 2: 206-200 '65.*

Influence of the character of distribution of turbulence coefficients in the sea and atmosphere on the profiles of the velocity of drift currents and wind above the sea. B. A. Kagan. *Trudy Len. gidromet. inst. no. 17:128-142 '64.*

Relation between the height of the tropopause and the maximum wind velocity. N. Allov. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 9 no. 1:105-108 '65.*

Transformation of the over-water wind field taking vertical currents into account. N. A. Petrosian. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no. 2:105-116 '65.*

## WINGS

Development of wings in fireflies *Lampyris noctiluca* L. and *Phaenistis splendula* Lec. (Coleoptera, Lampyridae). E. D. Davydova. *Zool. zhur. 44 no. 5:693-705 '65.*

## WINZER, OTTO, 1902-

People and events: Otto Winzer; Reginald Maudling. *Nov. vrem. 23 no. 2:27-27. J1 '65.*

## WIRE—CORROSION

Effect of copper and other coatings on the corrosion resistance of wire. F. M. Ladyzhenskaya, N. V. Eliseeva. *Stal' 25 no. 5:474-476. My '65.*

## WIRE BROADCASTING

Principal trends in the development of the technological base of wire broadcasting. I. I. Sharnshin. *Vest. svyazi 25 no. 2:13-14. F '65.*

## WIRE ROPE

Non-twisting wire rope. G. P. Kalinin, I. A. Korobov. *Bezop. truda v prom. 0 no. 3:53-54. Mr '65.*

The second scientific technical symposium on steel ropes. V. A. Volkov, V. Skulatskii. *Vest. mashinostr. 45 no. 6:84. Je '65.*

Ways of increasing the resistance of steel rope for cranes. I. A. Ulin, I. U. V. Golubov. *Bezop. truda v prom. 0 no. 3:23-24. Mr '65.*

## WIREDRAWING

Effect of patenting wire rod from the rolling temperature on the mechanical properties of wire. S. I. Shapovalov, L. P. Stychinskii, V. I. Alimov. *Stal' 25 no. 6:570-572. Je '65.*

## WITNESSES

Improvement of the criminal procedure law. A. Borodanov. *Sots. zakon. 42 no. 2:45-47. F '65.*

## WOMEN

(see also subdivision under Moldavia; Tatar A.S.S.R.)

Best wishes for your holiday, women! *Doshk. vosp. 38 no. 3:7-8. Mr '65.*

"Valor, heroism, and glory..." *Doshk. vosp. 38 no. 3:5-7. Mr '65.*

## WOMEN—EMPLOYMENT

(see also subdivision under Moscow; Sakhalin)

Women's handiwork... S. Kapranov. *Sov. torg. 38 no. 3:20-32. Mr '65.*

## WOMEN—HEALTH AND HYGIENE

Reduction of morbidity and increase of work productivity in women doing physical exercises systematically. L. P. Sorokina. *Teor. i prakt. fiz. kul't. 27 no. 3:40-63. Mr '65.*

## WOMEN AS ATHLETES

Active participation of communists. *Teor. i prakt. fiz. kul't. 27 no. 3:1-6. Mr '65.*

Effect of the training of the vestibular analyzer in 11- and 12-year-old girls on the development of their motor skills in gymnastics. A. A. Zolotukhin. *Teor. i prakt. fiz. kul't. 27 no. 3:43-45. Mr '65.*

Planning the training load for women mountain skiers (competitive stage). L. K. Chernukha. *Teor. i prakt. fiz. kul't. 27 no. 3:21-24. Mr '65.*

## WOMEN AS JUDGES

The President of the Supreme Court of the Republic. A. Aleksandrov. *Sots. zakon. 42 no. 3:74-75. Mr '65.*

## WOMEN AS SOLDIERS

They are at our side. V. Bulgakov. *Doshk. vosp. 38 no. 3:81-83. Mr '65.*

## WOMEN AS TEACHERS

They are at our side. V. Bulgakov. *Doshk. vosp. 38 no. 3:81-83. Mr '65.*

## WOMEN IN CONSTRUCTION see subdivision under Pavlodar

## WOMEN IN INDUSTRY see subdivision under Alma-Ata

## WOOD

Piezothermoplastics from sawdust and sulfate lignin. V. A. Maslov. *Der. prom. 14 no. 5:17-18. My '65.*

## WOOD—CHEMISTRY

In the section of hydrolysis and wood chemical industries. *Gidroliz. i lesokhim. prom. 18 no. 4:30-31 '65.*

## WOOD—IDENTIFICATION

**Tsyblyk, B. I.** [Guide to the identification of the wood of tree species of the western provinces of the Ukrainian S.S.R. (based on macroscopic indices)] *Opredelel'tel' drevesyinykh drevesyinykh porod zapadnykh oblastei USSR (po makroskopicheskim priznakam), [L'vov] Izd-vo L'vovskogo univ., 1963, 52 p.*

## WOOD—PRESERVATION

How to preserve wood from destruction by deathwatch beetles. A. Shepelev. *Sel' stroi. 19 no. 4:28-29. Ap '65.*

**Kacerauskas, Jonas.** [Protection of wood against decay] *Medienos apsauga nuo puvinio, Vilnius, Mintis, 1965, 91 p. [in Lithuanian]*

## WOOD, COMPRESSED

Deformation of those parts of a window frame which have been pressed as a unit from ground wood. M. Z. Sivtkin. *Der. prom. 14 no. 5:8-8. My '65.*  
Manufacturing bushings for hydraulic presses from compressed wood. I. I. Andreev. *Mashinostroenie 2 no. 5:8. Mr.-Ap '65.*

## WOOD—ALCOHOL see Methanol

## WOOD CARVING

Structure of the image in Russian wooden sculpture. A. Chekalov. *Iskusstvo 28 no. 3:45-49. '65.*

## WOOD CARVING—EXHIBITIONS see subdivision under Moscow

## WOOD—DECAYING FUNGI

Polyporaceous fungi on the black poplar. I. Nikitin. *Zashch. rast. ot. vred. i bol. 10 no. 5:28 '65.*

## WOOD DISTILLATION

Recovery of volatile products from vapor-gas retort plants. N. D. Kuznetsov, E. V. Osipova. *Gidroliz. i lesokhim. prom. 18 no. 4:19-22 '65.*

## WOOD ENGRAVINGS, CHINESE

In search of rare manuscripts and xylographs. B. L. Riklin. *Nar. Az. i Afr. no. 3:243-247 '65.*

## WOOD FINISHING

Filling small cracks on veneered surfaces. A. I. Dubanovich. *Der. prom. 14 no. 2: F '65.*

Four-drum polishing machine. N. K. Kalmykov, L. V. Chaika. *Bum. i der. prom. no. 2:8-8. Ap-Je '65.*

The LK, a new pore filler. G. A. Kedrina, E. S. Rakhmanov. *V. V. Shabalin. Der. prom. 14 no. 2:24. F '65.*

Polishing surfaces coated with polyester varnishes. N. I. Iaremchuk. *Bum. i der. prom. no. 2:28-30. Ap-Je '65.*

Practices in the use of the new LK pore filler at the Bozhenko Furniture Factory in Kiev. A. D. Chizhov, D. V. Liandres. *Bum. i der. prom. no. 2:31-32. Ap-Je '65.*

Preparing the surface of polyester coatings for polishing. T. A. Matveeva. *Der. prom. 14 no. 2:8-9. F '65.*

Semiautomatic line for the planning and surfacing of boards. V. I. Erokhin. *Der. prom. 14 no. 2:26-27. F '65.*

Staining furniture panels faced with oak veneer in ammonia vapors. V. N. Bystrov, R. G. Kirod. *Der. prom. 14 no. 5:25-28. My '65.*

## WOOD FINISHING—EQUIPMENT AND SUPPLIES

Device for collecting the dry remnants of nitrocellulose lacquer. L. E. Demikhovskii, A. L. Drozhzhina. *Der. prom. 14 no. 5:28. My '65.*

Modern equipment for polishing panel parts of furniture. V. P. Bukhtarov. *Der. prom. 14 no. 5:14-15. My '65.*  
Practices in wood polishing by abrasive wheels at the Mukachevo Furniture Combine. A. I. Iatutuk and others. *Bum. i der. prom. no. 2:28-28. Ap-Je '65.*

## WOOD PRESERVATIVES

Treating bundles of export lumber with antiseptics. A. A. Sukhikh, D. A. Kratirov. *Der. prom. 14 no. 5: 20-21. My '65.*

## WOOD TAR

Investigating the distillation of wood tar and its products. A. N. Bagaev, I. V. Vozneskii, A. M. Pyriakova. *Gidroliz. i lesokhim. prom. 18 no. 4:9-11 '65.*

## WOOD-USING INDUSTRIES

Tasks of the Scientific Technological Society during the seventh-year of the seven-year plan. S. G. Gorchikov. *Der. prom. 14 no. 2:1-2. F '65.*

## WOOD-USING INDUSTRIES—BY-PRODUCTS

(see also subdivision under Andizhan; Baltic Economic region)

Improving the gross production structure in the hydrolysis industry. A. I. Kozlov. *Gidroliz. i lesokhim. prom. 18 no. 4:25-26 '65.*

Production of viscosity breaking agents based on soluble beech tar. I. V. Duran. *Gidroliz. i lesokhim. prom. 18 no. 4:18-19 '65.*

## WOOD-USING INDUSTRIES—FIRES AND FIRE PREVENTION

Vyrikov, A. Ia. [Automatic fire extinction at enterprises of the lumbering, woodpulp, and woodworking industries] Avtomaticheskoe pozharotushenie na predpriyatiakh lesnoi, tsellulozno-bumazhnoi i derevoprabavlyayushchei promyshlennosti. Moskva, Lesnaya promyshlennost', 1964. 54 p. (Nastoiichivo vnedriti peredovoi opyt v proizvodstvo!)

## WOOD-USING INDUSTRIES—HYGIENIC ASPECTS

Improved ventilation system in hydrolisis plants. V. A. Matiashev. Gidroliz i lesokhim prom. 18 no. 4:24 '65

## WOOD-USING INDUSTRIES—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Leningrad)

Fourth Plenum of the Central Administration of the Scientific and Technical Society. A. E. Poliakov. Gidroliz i lesokhim prom. 18 no. 4:28-29 '65  
Results of the third All-Union Public Inspection. Der. prom. 14 no. 5:30-31 My '65

Results of the Third All-Union Public Inspection Program (conducted in 1964). T. S. Davydov. Gidroliz i lesokhim prom. 18 no. 4:29-30 '65

## WOOD WASTE

Furnace device with interior drying chamber for burning wood wastes. N. I. Kraitsberg. Nov. tekhn. zhil.-kom. khoz. Zhil. khoz. no. 2:85-92 '63.

Kachelkin, L. I., ed. [Use of lumbering wastes] Ispol'zovanie otkhodov lesozagotovok. [By] L. I. Kachelkin i dr. Moskva, Lesnaya promyshlennost', 1965. 322 p.

Resinous bast as raw material for the production of colophony. A. P. Papyrin, G. G. Romanovskii. Gidroliz i lesokhim prom. 18 no. 4:13-14 '65

Sawdust slabs in place of flooring manufactured by labor-consuming processes. I. U. Mironchuk, S. Mel'nikhenko. Sil. bud. 15 no. 2:18-19 F '65

## WOODPULP

For a maximum utilization of hardwood in the manufacture of electric insulation paper. M. A. Chukanov. Bum. prom. no. 3:23-24 Mr '65

Moscow, Tsentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoprabavlyayushchei promyshlennosti i lesnomu khoziaistvu. [Cooking sulfite pulp] Varka sul'fitnoi tsellulozy. Moskva, 1964. 14 p. (Bumaga i tselluloza)

[MICROFILM]

Woodpulp from chips. A. S. Kossov. Bum. prom. no. 3:5 Mr '65.

## WOODPULP INDUSTRY

(see also subdivision under Kherson)

Burning black liquor in modern injection-type apparatus. A. P. Potapenko. Bum. i der. prom. no. 2:15-19 Ap-Je '65.

## WOODPULP INDUSTRY—AUDITING AND INSPECTION

Operational accounting for the main indices of carrying out the plan. A. Chirkov. Bukh. uch. 22 no. 2:25-30 F '65.

## WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Extent of changes in chips processed with the worm conveyor rotor machine. A. I. Bichev, I. U. Petruk. Bum. prom. no. 3:19 Mr '65.

Selection of the basic materials for piping systems and vessels for the woodpulp and paper industry. B. K. Shange. Bum. prom. no. 3:26-28 Mr '65

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur.: Tekh. i obr. tsel.-bum. i poligr. proizv. no. 6 Je '65.

## WOODWORK

Gluing honeycomb constructions with preliminary drying of the layer of glue. A. M. Chistiakov. Der. prom. 14 no. 5:8-9 My '65.

## WOODWORKING INDUSTRIES

From the pages of technical journals. Der. prom. 14 no. 2 insert 2, 4 F '65.

## WOODWORKING INDUSTRIES—EMPLOYEES

Training and employing engineering economists at woodworking enterprises. I. S. Frokhorchuk, N. A. Antropov. Der. prom. 14 no. 5:18-19 My '65.

## WOODWORKING INDUSTRIES—EQUIPMENT AND SUPPLIES

Interlocking construction for steaming cylinders. V. F. Altukhov. Der. prom. 14 no. 5:27-28 My '65.

## WOODWORKING INDUSTRIES—PRODUCTION STANDARDS

A useful textbook on the establishment of work norms. Kh. B. Fabritskii. Der. prom. 14 no. 2:30-31 F '65.

## WOODWORKING INDUSTRIES—QUALITY CONTROL

Isakov, A. I. [Automation of the quality control of parts made of wood and wood plastics] Avtomatizatsiya kontrolya kachestva detalей iz drevesiny i drevesnykh plastikov. Moskva, Lesnaya promyshlennost', 1965. 263 p.

## WOODWORKING MACHINERY

Automatic groove-cutting machine. M. B. Gelfer. Bum. i der. prom. no. 2:13-14 Ap-Je '65.

Introducing the ShLKh-3 semi-automatic tenon-cutting machine. D. I. Kaufman, M. M. Gorelik. Blul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 4:43-44 Ap '65.

Machines for cutting sockets for metal hardware in window and door frames. I. U. F. Polukhin. Der. prom. 14 no. 6:4-5 My '65.

## WOODWORKING MACHINERY—ELECTRIC DRIVING

Electric drives for securing a constant speed of cutting on a rotary veneer cutter. N. M. Nemchenko. Der. prom. 14 no. 5:10-12 My '65.

## WOODWORKING MACHINERY—NOISE

Practical use of completed studies on noise abatement in woodworking machinery. N. K. Kovtun. Der. prom. 14 no. 5:30 My '65.

## WOOL: see subdivision under Kazakhstan

## WOOLEN AND WORSTED MANUFACTURE

Using chemical fibers in manufacturing woolen fabrics. N. Perepechko. Prom. Arm. 8 no. 4:10-11 Ap '65.  
Wear resistance of wool fabric blends with lavsan fibers. T. A. Modestova, L. A. Gadzhanova. Nauch. trudy MTILP no. 30:173-178 '64.

## WORK—PSYCHOLOGICAL EFFECT

Conference on the psychology of work and work education. V. V. Karpov. Vop. psikh. 11 no. 2:185-188 Mr-Ap '65  
Initiative in work should be noted and encouraged. Kommunist 42 no. 11:3-11 Ji '65

## WORK, METHOD OF

Scientific organization of work in locomotive round-houses. B. N. Leonovich, E. E. Ezerin. Zhel. dor. transp. 47 no. 6:39-45 Je '65.

## WORK AND WORKERS IN ART

Reveal the greatness of the working man! I. Botkheir-Ostrenko. Iskusstvo 28 no. 3:10-15 '65.

## WORK FUNCTION (PHYSICS)

Local work function. V. I. Vladimirov. Fiz. tver. tela 7 no. 6:1800-1802 Je '65.

## WORKBOATS—MAINTENANCE AND REPAIR

Cherempanov, V. Ia. [Repair of the steel bodies of vessels and machines used in timber floating] Remont stal'nykh korpusov lesosplavnykh sudov i mashin. Moskva, Lesnaya promyshlennost', 1965. 151 p.

## WORKS COUNCILS: see subdivision under Khabarovsk

## WORLD COUNCIL OF CHURCHES

Meeting of the Committee "Faith and Church Organization" in Aarhus (Denmark). Archbishop Aleksi. Zhur. Mosk. Patr. no. 6:40-52 '65

## WORLD POLITICS

Criteria of the revolutionary spirit. Sovremennik. Nov. vrem. 23 no. 28:3-4 Ji '65.

Current events. Nov. vrem. 23 no. 25:1-3 Je '65.  
Current problems of the world politics. Mir, ekon. i mezhdunar. otn. no. 7:89-90 '65.

Day of great triumph will be glorified through centuries. Nach. shkola 33 no. 5:3-5 My '65.  
Freedom, harmony. A. Kolesov. Sov. voia 47 no. 7:44-45 Ap '65.

International notes. Nov. vrem. 23 no. 25:24-25 Je '65.

International notes. Nov. vrem. 23 no. 26:26-27 Je '65.

International notes. Nov. vrem. 23 no. 27:10-20 Ji '65.

International notes. Nov. vrem. 23 no. 28:22-23 Ji '65.

International notes. Nov. vrem. 23 no. 29:23-24 Ji '65.

International review. Mezhdunar. zhizn' 12 no. 6:122-134 Je '65.

New frontiers of "old" colonialism. I. U. Oganis'yan. Mezhdunar. zhizn' 12 no. 6:43-52 Je '65.

The peace movement and its prospects. V. Chikhikvadze. Nov. vrem. 23 no. 27:1-3 Ji '65.

They learned nothing. Al. Leon'tev. Komm. Vooruzh. Sil. 46 no. 8:83-87 Ap '65.

Twentieth anniversary of our victory. Doshk. voep. 38 no. 5:3-4 My '65.

Unity and solidarity are the most important matters. K. A. Guseinov. Nov. vrem. 23 no. 28:5-6 Ji '65.

## WORLD WAR, 1939-1945

(see also subdivision under Archangel; Arctic regions; Baltic Sea; Black Sea; Bobruysk District; Bulgaria; Caucasus; Czechoslovakia; Europe, Eastern; Germany; Italy; Karelia; Leningrad; Lithuania; Minsk Province; Moscow; Novorossiysk; Osesta; Poland; Prussia, East; Silesia; region, White Russia; Tula; Ukraine; White Russia)

After 20 years. V. Razin. Sov. shakht. 14 no. 5:10 My '65.

The CPSU, organizer of victory in the Great Patriotic War. P. Zhilin. Voen.-isl. zhur. 7 no. 5:3-15 My '65.

Covering detachment of miners. D. Onika. Sov. shakht. 14 no. 5:4-6 My '65.

Day of great triumph will be glorified through centuries. Nach. shkola 33 no. 5:3-5 My '65.

Dzhurayev, T. D. [Faithful sons of our country] Vernye syny Rodiny. Tashkent, Izd-vo Uzbekistana, 1961. 511 p.

Encounter on the Elba. V. B. Shudol. Vop. int. 40 no. 5:10-31 Je '65.

Example of a political worker. D. Azov. Komm. Vooruzh. Sil. 46 no. 8:39-43 Ap '65

Fest of all the people. A. Burenko. Sov. shakht. 14 no. 5:1-4 My '65.

The first frontline meeting. I. Kaitadla. Komm. Vooruzh. Sil. 46 no. 8:34-35 Ap '65

From the Volga River to the Pacific Ocean. K. Shakhlik. Pozh. delo no. 5:11 My '65

Full of spirit. V. Borisov. Sov. shakht. 14 no. 5:10 My '65.

Glorious life of a soldier. M. Gusev. Pozh. delo no. 5:8 My '65

Great fest of the people. S. Rudenko. Kryl. rod. 10 no. 5:1-2 My '65

A great military and labor victory. V. Vasilenko and others. Komm. Vooruzh. Sil. 46 no. 8:83-84 Ap '65

A great victory. Mor. shor. 48 no. 5:13-13 My '65.

Great victory of the Soviet people. Agitator 33 no. 4:3-7 My '65.

Heroes in our ranks. Sov. iust. 20 no. 9:5-6 My '65.

Immortal exploit of the people. Komm. Vooruzh. Sil. 46 no. 8:3-8 Ap '65.

An immortal feat. V. Boiko. Agitator 33 no. 9:9-11 My '65.

In the ranks. K. Bibichev. Pozh. delo no. 5:23 My '65

Indestructible force of the unity of the people and the army. A. Burilal. Komm. Vooruzh. Sil. 46 no. 8:10-26 Ap '65.

Liberating mission of the Soviet Army during the Second World War. D. Dlev. Voen.-isl. zhur. 7 no. 5:11-15 My '65.

The majestic results of the heroic struggle of the Soviet people. N. I. Vinogradov. Mor. shor. 48 no. 5:90-90 My '65.

Makout's generous heart. A. Shestakovich. Sov. shakht. 14 no. 5:13-14 My '65.

A Marshal's son. I. Timofeeva. Sov. shakht. 14 no. 5:11-13 My '65.

Molochko, A. D. [Great victory of the Soviet people; materials for the reports for the 20th anniversary of the Soviet people in the Great Patriotic War, 1941-1945] Vellika pobeda sovetskogo naroda; materialy dlia dokladov k 20-letiiu pobedy sovetskogo naroda v Velikoi Otechestvennoi volno, 1941-1945 gg. Minsk, Belarus', 1965. 37 p.

The party leads us along the Leninist path of victories. P. Filimov. Komm. Vooruzh. Sil. 46 no. 8:9-10 Ap '65.

Remember and act! Nov. vrem. 23 no. 28:1-2 Je '65.

Roads of war. Z. Guseva. Pozh. delo no. 5:21 My '65.

Scientific conference of historians. Vost. AN SSSR 38 no. 5:32-38 My '65.

Twentieth anniversary of our victory. Doshk. voep. 38 no. 5:3-4 My '65.

The 20th anniversary of the victory of the Soviet people in the Great Patriotic War. Zemledelo 27 no. 5:7 My '65.

Twentieth anniversary of the victory over the fascist invaders. Svar. proizv. no. 5:1-2 My '65.

## WORLD WAR, 1939-1945—AERIAL OPERATIONS

Attacks from the air. A. M. Shuglin. Mor. shor. 48 no. 5:27-35 My '65.

Chronicle of combat glory. Kryl. rod. 10 no. 5:3, 7, 11, 16 My '65.

The first day and the last day. A. I. Semenov. Grazhd. av. 22 no. 6:16-17 Je '65.

Men with Danko's heart. V. Gaponov, A. Zaitsev. Agitator 33 no. 9:22-24 My '65.

Regimental comrades. V. Gaponov. Kryl. rod. 10 no. 5:6-7 My '65.

The technicians did not go into the attack. N. Miliushko. M. Bakarinov. Grazhd. av. 22 no. 6:18 Je '65.

## WORLD WAR, 1939-1945—AMPHIBIOUS OPERATIONS

Two Baltic landings. Vsevolod Asarov. Mor. shor. 48 no. 5:45-53 My '65.

## WORLD WAR, 1939-1945—ANNIVERSARIES

Great victory. Pozh. delo no. 5:1-2 My '65.

## WORLD WAR, 1939-1945—ART AND THE WAR

The role of literature and art in the patriotic education of the people, 1941-1945. G. D. Komkov. Ist. zap. 70:3-16 '65.

**WORLD WAR, 1939-1945—ATROCITIES**

Military tribunals during the Great Patriotic War.  
N. Chistiakov. Sov. iust. 29 no. 9 3-5 My '65

**WORLD WAR, 1939-1945—BIBLIOGRAPHY** see Bibliography—World War, 1939-1945**WORLD WAR, 1939-1945—BIOGRAPHY**

Along the road of victories. G. Sheviakov. Sov. potreb. koop. 9 no. 5 8-9 My '65

Always in the ranks. P. Medvedev. Komm. Vooruzh. Sil. 16 no. 10:45 My '65

Heroes out of heroes. P. Derevianko. Voen.-ist. zhur. 7 no. 5 100-111 My '65

In the name of life on earth. L. Belenikova. Agitator. 33 no. 9 17-19 My '65

The legendary sniper. I. Paderin. Agitator. 33 no. 9: 20-31 My '65

The memory of heroic deeds will live through the centuries. N. Borisov. Voen.-ist. zhur. 7 no. 5 73-80 My '65

Once a soldier always a soldier. S. Zharkov. Sov. potreb. koop. 9 no. 5 9-10 My '65

**WORLD WAR, 1939-1945—CHRONOLOGY**

This was at the end of the war. G. Geklin. Voen.-ist. zhur. 7 no. 5:126-128 My '65

**WORLD WAR, 1939-1945—COLLABORATIONISTS**

War gave birth to these destinies. I. A. Daidredzhieva. Sov. iust. 29 no. 9:27-29 My '65

**WORLD WAR, 1939-1945—DOCUMENTS, ETC., SOURCES**

In the enemy camp on the eve of defeat, new documents from the collection captured in the war of the Archives of the Ministry of Defense of the U.S.S.R. Vop. ist. 40 no. 6:115-127 Je '65

Letters from the front and correspondence received by the newspaper "Pravda" during the years of the Great Patriotic War. P. S. Solomatina. Ist. zap. 75 243-255 '65

**WORLD WAR, 1939-1945—ECONOMIC ASPECTS**

Chadnev, I. A. [The economy of the U.S.S.R. during the Great Patriotic War, 1941-1945] Ekonomika SSSR v period Volkol Otechestvennoi voyny (1941-1945 gg.). Moskva, Mysl', 1965. 398 p.

In the years of the Great Patriotic War. I. Belonozov. NTO 7 no. 5:2-5 My '65

Petroleum industry in the years of the Great Patriotic War (on the 20th anniversary of the victory over fascist Germany). O. P. Tomilov. Neft. khoz. 43 no. 5 1-5 My '65

State Bank field branches during the period of the Great Patriotic War. L. Kats. Den. i kred. 23 no. 5:30-43 My '65

**WORLD WAR, 1939-1945—EDUCATION AND THE WAR**

Soviet schools during the Great Patriotic War, 1941-1945. M. P. Sazonov. Nach. shkola. 33 no. 5:6-12 My '65

**WORLD WAR, 1939-1945—FINANCE**

Credit during the years of the Great Patriotic War. M. Usoskin. Den. i kred. 23 no. 5:35-30 My '65

**WORLD WAR, 1939-1945—LITERATURE AND THE WAR**

The Great Patriotic War and literature. Peir Slokov. Oktabr' 42 no. 6:173-177 Je '65

The role of literature and art in the patriotic education of the people, 1941-1945. G. D. Komkov. Ist. zap. 70:3-16 '65

**WORLD WAR, 1939-1945—MEDICAL AND SANITARY AFFAIRS**

Antiplozotic measures in the Soviet Army. S. M. Vorontsov. Veterinarlia 42 no. 5:9-10 My '65

In war and in peace. A. D. Kozhukhovskii. Veterinarlia 42 no. 5:20-30 My '65

The love of Nikita Plakunov. E. Luchinskii. Veterinarlia 42 no. 5:30-33 My '65

Military veterinary field therapy during the Patriotic War. P. S. Ionov. Veterinarlia 42 no. 5:13-16 My '65

Veterinary service during the Great Patriotic War. Veterinarlia 42 no. 5:5-9 My '65

Veterinary surgery of the wartime. I. D. Medvedev. Veterinarlia 42 no. 5:11-13 My '65

**WORLD WAR, 1939-1945—MUSIC AND THE WAR**

Atlet fighters. A. Gordon, A. Konnov. Sov. muz. 20 no. 5:146-149 My '65

In the name of victory. N. Zolov. Sov. muz. 20 no. 5: 140-151 My '65

A living legend. V. Bogdanov-Berezovskii. Sov. muz. 20 no. 5:15-13 My '65

Moscow, 1941... Mikhail Gabovich. Sov. muz. 20 no. 5:30-42 My '65

On combat ships. B. Terent'ev. Sov. muz. 20 no. 5: 143-144 My '65

On pages of a diary. V. Vlasov. Sov. muz. 20 no. 5: 42-46 My '65

Those who did not return. S. Borisova. Sov. muz. 20 no. 5:154-155 My '65

A word from a frontline journalist. I. Nest'ev. Sov. muz. 29 no. 5 145-146 My '65

**WORLD WAR, 1939-1945—NAVAL OPERATIONS**

Exploit of the crew of the TKA-13. IU. A. Kisil'tayn. Mor. shor. 48 no. 5:42-44 My '65

Friends and comrades. G. I. Shchedrin. Mor. shor. 48 no. 5:36-42 My '65

On combat ships. B. Terent'ev. Sov. muz. 29 no. 5: 143-144 My '65

Together with the army. L. A. Vladimirovskii. Mor. shor. 48 no. 5:14-22 My '65

**WORLD WAR, 1939-1945—PERSONAL NARRATIVES**

Beautiful transports of the soul. E. Kuzn. gasheva. Dozhk. vosp. 38 no. 6:61-63 Je '65

The brave scout. V. V. Kalugin. Veterinarlia 42 no. 5 21 My '65

Continuing to stand watch. A. Nagomnyi. Pozh. delo no. 5:9 My '65

Guards commander. G. Maikov. Pozh. delo no. 5:20 My '65

Hero of the Pandilov division. T. Makharadze. Sov. potreb. koop. 9 no. 5 4-5 My '65

In the front lines. M. Morozov. Sov. potreb. koop. 9 no. 5 6-7 My '65

In the rear of the enemy. E. A. Starchenko. Veterinarlia 42 no. 5:25-28 My '65

Ivushkin, N. D. [With complete responsibility] Za vse v otvet. Moskva, Voenizdat, 1965. 204 p. (Voennye memuary)

Morozov, D. A. [There was no mention of them in the reports] O kikh ne upominalos' v svodkakh, Moskva, Voenizdat, 1965. 211 p. (Voennye memuary)

Moscow, a city on the front line. V. Semenov. Pozh. delo no. 5:3-4 My '65

Only three of them survived. P. Savchenko. Pozh. delo no. 5:14 My '65

Scientist, soldier, patriot. V. Evreinov. Veterinarlia 42 no. 5:16-18 My '65

Six interviews. N. Semina. Pozh. delo no. 5:5-6 My '65

That night, when snow was falling. V. Marten'yanov. Pozh. delo no. 5:18 My '65

Two fighters. F. Klimov. Pozh. delo no. 5:10 My '65

**WORLD WAR, 1939-1945—PHOTOGRAPHY**

Totches of the rough years. Vladimir Rudnyi. Sov. voim. 47 no. 11:18-21 Je '65

**WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMAN**

Brodek, E. A. [The living light] Zhivoye barlutsa. Moskva, Voenizdat, 1965. 230 p.

**WORLD WAR, 1939-1945—REGIMENTAL HISTORIES**

Raina, A. V., Kolzins, and P. Elvins. [The Latvian Rozokno Regiment in the air...; Latvian pilots in the Great Patriotic War] V vozdukh Layshakli Rozhishkili...; latyskie letchiki v Velkol Otechestvennoi voine, Riga, Izd-vo "Liesma", 1965. 267 p.

**WORLD WAR, 1939-1945—SCIENCE**

Documents on the fortitude of scientists; materials of the Archives of the Academy of Sciences of the U.S.S.R. A. V. Kol'tayn. Vest. AN SSSR 38 no. 5: 27-31 My '65

**WORLD WAR, 1939-1945—SONGS AND MUSIC**

Songs of partisan land. L. Mukharinskaya. Sov. muz. 20 no. 5:22-29 My '65

**WORLD WAR, 1939-1945—SONGS AND MUSIC, POLISH**

Songs of the Polish partisans. V. E. Gusev. Sov. etn. no. 3:64-78 My-Je '64

**WORLD WAR, 1939-1945—THEATER AND THE WAR**

Diarles from the front. Teatr. 26 no. 5:6-23 My '65

Soldiers of art (four encounters). Boris Polevoi. Teatr. 20 no. 5:4-8 My '65

**WORLD WAR, 1939-1945—TRANSPORTATION**

Heroic deed of Soviet railroaders. A. G. Naporko. Zhef. dor. transp. 47 no. 5:7-12 My '65

River transportation during the Great Patriotic War. V. I. Neigol'dberg. Ist. zap. 75:266-272 '65

**WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**

Dmitriyevskii, V. A., and I. T. Shishov. [The rats afire] Reizy v ogne. [Moskva] Moskovskii Rabochii, 1965. 140 p.

Miner and partisan. L. Sannin. Sov. shakht. 14 no. 5:10-10 My '65

Partisan detachments. V. Klimovich. Pozh. delo no. 5: 0 My '65

Spiritual heritage of the Resistance Movement. G. F. Zastavenko. Vop. ist. KPSS 0 no. 7:150-152 Ji '65

**WORM GEAR** see Gearing, Worm**WORMS—EGGS**

Structure of the egg of a dwarf tapeworm. V. I. Chaurov. Med. paraz. i paraz. bol. 33 no. 6 745-746 N-D '64

**WORMS, INTESTINAL AND PARASITIC**

(see also subdivision under Bar-Togay region, Kazakhstan, Bryansk Province, Gorky Province; Siberia, Western; Ural Mountain region)

Prophylaxis of helminthiasis in ducks. A. M. Naumenko. Veterinarlia 41 no. 6 64-65 Je '64

Use of the immunoelectrophoretic method in the study of the antigenic structure of helminths, survey of the literature. O. M. Sokolovskaya. Med. paraz. i paraz. bol. 33 no. 6 735-738 N-D '64

**WOUNDS**

Characteristics of wounds inflicted by a spear gun used in underwater spear fishing. I. S. Kalandae. Sud. med. ekspert. 3 no. 2:50-53 Ap-Je '60

**WRAPPING MACHINES**

Zholozova, V. V., A. A. Ivanov, and A. A. Tsybol'skii. [Modern equipment for wrapping and packaging confectionery goods] Sovremennye oborudovaniya dlia zaverki i pakovki konditerskikh izdelii. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevui promyshl., 1964. 65 p. diagrs. (insert) [MICROFILM]

**WRENCHES**

New type of wrench. V. O. Ompov, V. A. Zenkevich. Put' i put. khoz. 9 no. 6 10-11 '65

**WRITING, GOTHIC**

Origin of the Gothic cursive writing. L. I. Kiseleva. Sred. veka no. 26:27-53 '64

**X-RAY CRYSTALLOGRAPHY**

Approximate theoretical or (semi)empirical analysis of vibrations of SCN coordination groups. IU. I. A. Kharitonov, G. V. Tsimtsadze, M. A. Porai-Koshits. Zhur. neorg. khim. 10 no. 4 762-801 Ap '65

Lanthanum silicides and their crystalline structures. E. I. Gladyshevskii and others. Izv. AN SSSR. Neorg. mat. 1 no. 3:321-325 Mr '65

**X-RAY DIFFRACTION EXAMINATION**

High-temperature X-ray crystallographic analysis of the system BiFeO<sub>3</sub> - Pb(Fe<sub>0.5</sub>W<sub>0.5</sub>)<sub>2</sub>O<sub>9</sub>. I. G. Ismailzade. Izv. AN SSSR. Ser. fiz. 29 no. 6:1032-1034 Je '65

Microscopic and X-ray diffraction study of the structure of polycarbonates in a block. A. V. Ermolina and others. Plast. massy no. 3:43-46 '65

Study of the system LiTaO<sub>3</sub> - LiNbO<sub>3</sub>. Z. I. Shapiro and others. Izv. AN SSSR. Ser. fiz. 29 no. 6:1047-1050 Je '65

X-ray and dilatometric studies of the systems PbZrO<sub>3</sub> - PbWO<sub>4</sub> (MoO<sub>4</sub>). I. N. Beliaev, L. N. Aver'lanova, I. I. Believa. Izv. AN SSSR. Neorg. mat. 1 no. 3:392-394 Mr '65

X-ray diffraction examination of polyamide films cast from irradiated solutions. A. M. Afanas'ev and others. Plast. massy no. 4:52-55 '65

X-ray diffraction study of a superlattice phase transition in (Ni<sub>1/2</sub>Be<sub>1/2</sub>)<sub>2</sub> crystals. A. I. A. Krasnikova, V. A. Koptisk. Izv. AN SSSR. Ser. fiz. 29 no. 6:903-906 Je '65

X-ray diffraction study of polythiodimethylsiloxanes. K. A. Andrianov and others. Vysokom. seed. 7 no. 4: 689-695 Ap '65

X-ray diffraction study of polyvinyl chloride. V. P. Lebedev and others. Vysokom. seed. 7 no. 4:655-660 Ap '65

X-ray diffraction study of the residual stresses building up in tube rolling instruments. Izv. AN Azerb. SSR. Ser. fiz. i tekhn. i mat. nauk no. 6:53-56 '64

**X-RAY SPECTROSCOPY**

Phase transitions in PbCdWO<sub>4</sub>. V. S. Filip'ev, E. G. Fesenko. Izv. AN SSSR. Ser. fiz. 29 no. 6:894-895 Je '65

**X RAYS—EQUIPMENT AND SUPPLIES**

Auxiliary protective devices in diagnostic X-ray apparatuses. A. N. Krugauz. Vest. rent. i rad. 40 no. 2:54-56 Mr-Ap '65

"Jena" X-ray chamber. Kh. Zenger. Vest. rent. i rad. 39 no. 6:66-71 N-D '64

Lateroscope for the TUR-D-1000 X-ray apparatus. V. B. Antonovich, F. V. Vlasov. Vest. rent. i rad. 39 no. 6: 76 N-D '64

Use of supplementary filters to decrease irradiation doses in ordinary radiography and some special methods of examination. B. M. Aliev, I. E. Rabkin. Vest. rent. i rad. 39 no. 6:72-74 N-D '64

**X RAYS—PHYSIOLOGICAL EFFECT**

Changes in the properties of deoxyribonucleic acid of the bone marrow following X-ray irradiation of an animal. G. A. Krifakii and others. Biokhimiia 29 no. 4:701-706 Ji-Ag '64

Chemiluminescence of DNA solutions following X-ray irradiation. N. M. Emanuel' and others. Trudy MOIP. Otd. biol. 21:119-121 '65

Content and intensity of nucleic acid metabolism in the brain of guinea pigs exposed to X-ray irradiation. IE. F. Sopin, M. IE. Kucherenko. Ukr. biokhim. zhur. 37 no. 2:251-259 '65

#### X RAYS—PHYSIOLOGICAL EFFECT (Continued)

Proteinogram of the blood serum following chronic X-ray irradiation. K. V. Fomichenko, N. A. Dis'ko. Dokl. AN BSSR 9 no. 3 199-201 Mr '65.

#### X RAYS—THERAPEUTIC USE

An attempt to use drugs and radiation in adenomas of the lungs in mice. L. Gričute. Vop. onk. 10 no. 12 59-63 '64.

Comparative evaluation of some methodologies of pre-operative X-ray therapy of breast cancer (immediate results). I. D. Lindenkraten, I. G. Priev. Med. rad. 10 no. 6 22-33 Je '65.

Course of anesthesia, the operation and the postoperative period in patients with cancer of the esophagus following X-ray irradiation. P. K. D'achenko. Vop. onk. 10 no. 12 10-15 '64.

Functional changes in the thyroid gland following a short-distance X-ray therapy of cancer of the facial skin. L. A. Udin, B. A. Konnov. Med. rad. 10 no. 5 45-51 My '65.

Method of calculating the absorbed doses of long-wave X-ray radiation. A. N. Krongauz, A. V. Frolova. Vest. rent. i rad. 39 no. 6 60-66 N-D '64.

Methodology for X-ray therapy of chronic inflammatory diseases of the accessory sinuses of the nose. E. L. Podliashuk, G. G. Khramtsova. Vest. rent. i rad. 40 no. 1 55-59 Ja-F '65.

Optimal conditions for X-ray therapy of the central form of lung cancer. A. V. Frolova, N. A. Feresent, T. P. Evstigneeva. Med. rad. 10 no. 5 9-13 My '65.

Radionitizing effect of some natural pyrimidines. R. I. Pol'tkha. Vop. onk. 11 no. 3 57-58 '65.

Results of combined treatment of patients with lung cancer, 5-fluorouracil and X-ray therapy. N. G. Blokhina, M. B. Bychkov, M. S. Starichkov. Med. rad. 10 no. 5 13-17 My '65.

Use of long-wave X-ray irradiation in dermatology. A. N. Krongauz, A. V. Frolova. Vest. dermat. i ven. 38 no. 6 66-68 Je '64.

#### XANTHIC ACIDS

Special features of the processes of cobalt precipitation by xanthates. A. L. Zaglanspili. Zhur. prikl. khim. 38 no. 4 942-945 Ap '65.

#### XENON ISOTOPES

Preparation of an air-xenon mixture for the study of the residual volume of air in the lungs. V. K. Modestov, B. P. Kolesnikov. Trudy TSU 71 51-55 '64.

#### XYLENE

Studying the catalytic activity of the cobalt salts of aliphatic monobasic acids in the oxidation of p-xylene. V. N. Aleksandrov and others. Khim. prom. 41 no. 5: 336-337 My '65.

#### XYLENE—THERAPEUTIC USE

Specific therapy of opisthorchiasis in man by means of hexachloroparaxylene, preliminary report. N. N. Plotnikov and others. Med. paraz. i paraz. bol. 33 no. 6 678-681 N-D '64.

#### YACHT-BUILDING

Glass-reinforced cement yachts. K. L. Birlukovich and others. Sudostroenie 30 no. 12 29-33 D '64.

#### YAKKABAG MOUNTAINS—RUTILE

Rutile from the Yakkabag Mountains. Z. M. Muradov. Zap. Uz. otd. Vses. min. ob-va no. 16 80-82 '64.

#### YAKUTIA—BITUMEN—GEOLOGY

Bitumens of the Kuonam (Bituminous) series in the southern slope of the Anabar anticline in Yakutia. D. A. Bikenina. Geol. i geofiz. no. 12 38-43 '64.

#### YAKUTIA—FURNITURE

The collection of Yakut furniture in Em. L. Aroslavskii's Yakut Museum of local Lore. I. V. Zaborovskaya. Sov. etn. no. 2 162-165 Mr-Ap '65.

#### YAKUTIA—HISTORY

Alekseev, E. E. [Role of V. I. Lenin in the establishment and strengthening of the Soviet regime in Yakutia]. Rol' V. I. Lenina v ustanovlenii i ukreplenii Sovetskoi vlasti v Iakutii. Otv. red. G. P. Basharin. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 157 p. (CS-H)

#### YAKUTIA—SALINE AND ALKALI SOILS

Salinized soils in Yakutia. L. G. Elvskaya. Pochvovedenie no. 4 28-34 Ap '65.

#### YAKUTIA—TAIGAS

Characteristics of taiga soils in Aldan and Tommot regions of the Yakut A.S.S.R. L. G. Filimonova. Pochvovedenie no. 3 13-20 Mr '65.

#### YAKUTIA—TULAREMIA

Basic characteristics of the floodplain tularemia focus in Yakutia. D. I. Brikman. Zool. zhur. 44 no. 5: 655-659 '65.

#### YALTA—GUIDEBOOKS

Voronov, E. A. [Yalta; a guidebook and directory]. Ialta; putrovoditel'-spisovodnik. Simferopol', izd-vo "Krym," 1965. 126 p. illus.

#### YALTA CONFERENCE, 1945

The Crimea and Potsdam Conferences of the leaders of the three Great Powers (to be continued). Mezhdunar. zhizn' 12 no. 6 142-160 Je '65.

The Crimea and Potsdam Conferences of the Leaders of the Three Great Powers (to be continued). Mezhdunar. zhizn' 12 no. 7 153-160 Ji '65.

#### YAMAL-NENETS NATIONAL AREA—DESCRIPTION AND TRAVEL

Yamal is a corner of the earth. G. Metel'skii. Oktabr' 42 no. 6 191-161 Je '65.

#### YAROSLAVI—BOOKSELLERS AND BOOKSELLING

Store of technical books in Yaroslavl. L. Pisigina. Knizh. torg. 16 no. 3 10-11 Mr '65.

#### YAROSLAVI PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Orehimikov, S. N. [And in our yard...]. A. U. nas vo dvore... Yaroslavl' Verkhne-Voizhskoe knizhnoe izd-vo, 1964. 37 p. (CS-H)

#### YEAST

Adenosinetriphosphatase activity in mitochondria of Endomycetes magnusii yeasts. A. V. Kotelnikova, R. A. Zviaginskaya. Biokhimiia 20 no. 4 662-672 Ji-Ag '64.

Andreev, A. A. [Standard plan of a hydrolysis-yeast plant with a yearly capacity of 28,000 tons of dry yeast]. Tipovoi projekt gidrolizno-drozhezhnogo zavoda moshchnost'iu 28 tysia ch ton sukhi kh drozhezhel v god. Moskva, TSentr. nauchno-issl. in-formatsii i tekhniko-ekon. issledovaniy po lesnoi, tseluliozno-bumazhnoi, derevobrabatival'skoi promyshl. i lesnomu khoz., 1964. 28 p. (Gidroliz i lesokhimiia) [MICROFILM]

Genetic consequences of the intratead pairing of ascospores in yeasts. I. A. Zakharov. Vest. LGU 20 no. 8 124-129 '65.

Possibility of direct assimilation of amino acids by yeast. V. B. Kotov, S. A. Kononov. Ferment. i spirtn. prom. 31 no. 2 9-15 '65.

#### YEAST—CULTURES AND CULTURE MEDIA

Carotenoid pigments of mycobacteria and yeast. T. S. Bobkova. Mikrobiologiya 34 no. 2 273-277 Mr-Ap '65.

Effect of a glycolysis rate increase in yeast cells by ultraviolet light of mitogenic intensity. S. V. Konev, T. I. Lyukova. Dokl. AN BSSR 9 no. 3 190-193 Mr '65.

Production of mutants with oxidation defect in various yeast species. G. A. Trenina, M. V. Bibikova, L. E. Sarukhanova. Mikrobiologiya 34 no. 2 300-304 Mr-Ap '65.

#### YEAST—DRYING

Atomization driers for feed yeast. V. D. Vasil'ev, V. K. Mikhailov. Mashinostroenie no. 2 93 Mr-Ap '65.

#### YEAST—PHYSIOLOGICAL EFFECT

Yeast-induced production of antibodies, resistance and plasmolastic reaction in animals. M. V. Zemekov and others. Zhur. mikrobiol. epid. i immun. 42 no. 3 130-133 Mr '65.

#### YEGORLYK RESERVOIR—FISHES—FOOD

Study of the food supply for fishes in the Yegorlyk Reservoir, Stavropol Territory. L. M. Trofimova. Gidrobiol. zhur. 1 no. 3 33-37 '65.

#### YEGORLYKSKAYA DISTRICT—DAY NURSERIES

They give it priority. N. T. Iarenko. Doshk. vosp. 38 no. 3 30 Mr '65.

#### YENISEY RANGE—GEOLOGY, STRATIGRAPHIC

New data on the Cambrian of the Yenisey Range. L. G. Zavarzin, N. E. Chernysheva. Geol. i geofiz. no. 3 148-151 '65.

#### YENISEY RANGE—GOLD ORES

Structural control of gold mineralization in the Sovetskoye deposit. V. A. Bogdanovich. Geol. i geofiz. no. 12 72-81 '64.

#### YENISEY RANGE—GRANITE

Detrital accessories and the petrogenesis of granites in the Yenisey Range. V. M. Chaika and others. Geol. i geofiz. no. 12 134-140 '64.

#### YENISEY RANGE—MAGNETIC ANOMALIES

Keratophyre-apillite formation in the Southern Yenisey Range and the possible nature of the Kaskaya Magnetic Anomaly. E. B. Nalivkina. Geol. i geofiz. no. 1 169-172 '65.

#### YENISEY RANGE—MINERALS

Detrital accessories and the petrogenesis of granites in the Yenisey Range. V. M. Chaika and others. Geol. i geofiz. no. 12 134-140 '64.

#### YENISEY RANGE—ROCKS, CRYSTALLINE AND METAMORPHIC

Keratophyre-apillite formation in the Southern Yenisey Range and the possible nature of the Kaskaya Magnetic Anomaly. E. B. Nalivkina. Geol. i geofiz. no. 1 169-172 '65.

#### YENISEY RIVER—FLOODS

Ice drift during the maximum flood level in the lower reaches of the Yenisey. V. A. Guseman. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 15 173-179 '64.

#### YENISEY RIVER—ICE

Effect of freezing conditions on the thickness of the ice cover of rivers. I. A. Ljusi. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 15 29-36 '64.

Ice drift during the maximum flood level in the lower reaches of the Yenisey. V. A. Guseman. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 15 173-179 '64.

#### YENISEY VALLEY—ETHNOLOGY

New information on the peoples in the Lower Yenisey Valley dealing with the middle of the 19th century. V. A. Tugolukov. Sov. etn. no. 3 115-117 My Jo '64.

#### YENISEY VALLEY—INSCRIPTIONS, TURKIC

A new specimen of Yenisey inscriptions. L. R. Kyzlasov. Sov. etn. no. 2 104-113 Mi-Ap '65.

#### YEREVAN see Erivan

#### YOUNG COMMUNIST LEAGUE see Communist Youth League

#### YOUTH

(See also subdivision under Japan; Lithuania; United States)

Sanatoriums for adolescents. S. I. A. Slutskii. Okh. i truda i sots. strukh. 8 no. 4 21 Ap '65.

The vital mission of youth is to build communism. Kommunist 42 no. 10 13-11 Ji '65.

#### YOUTH—EMPLOYMENT

Orlovskii, I. U. P. [Labor rights of young workers]. Trudovye prava molodykh rabochikh. Moskva, Izdat. cheskaia literatura, 1965. 108 p. Our replies to questions. Sov. iust. 20 no. 11 30 Ja '65.

Work and rest schedule for adolescents. I. A. Arsen'idi. Okh. i truda i sots. strukh. 8 no. 5 31-32 My '65.

#### YPERITE (POISON GAS) see Mustard gas

#### YTTRIUM ALLOYS—MAGNETIC PROPERTIES

Compensation of magnetic moments of sublattices in yttrium FeGa garnet. B. M. Rubinshteyn, A. G. Titova, B. L. Lapovok. Fiz. tver. tela 7 no. 6 1639-1641 Ja '65.

#### YTTRIUM COMPOUNDS

Paramagnetic resonance in yttrium garnet with a terbium impurity. V. I. Solov'ev, A. G. Gurovich. Fiz. tver. tela 7 no. 6 1701-1706 Ja '65.

#### YTTRIUM COMPOUNDS—SPECTRA

Infrared absorption spectra of sixteen-hydrate ethylene-diaminetetracetateyttrium of calcium and strontium. I. U. A. Kharitonov, G. S. Tereshina. Zhur. neorg. khim. 10 no. 6 1500-1509 Ja '65.

#### YTTRIUM FLUORIDES

Phase composition of the systems CaF<sub>2</sub> - YF<sub>3</sub>, SrF<sub>2</sub> - YF<sub>3</sub>, and BaF<sub>2</sub> - YF<sub>3</sub>. B. P. Sobolev and others. Izv. AN SSSR, Neorg. mat. 1 no. 3 302-308 Mr '65.

#### YTTRIUM ISOTOPES—THERAPEUTIC USE

Case of successful use of yttrium beta-applicator in epibulbar melanoblastoma. M. L. Kravnov and others. Trudy TSU 71 230-242 '64.

#### YUGOSLAV PHILOLOGY

Seminar for foreign Slovists held in Yugoslavia. T. P. Popova. Vest. Mosk. un. Ser. 7: Filol., zhur. 20 no. 1 95-98 Ja-F '65.

#### YUGOSLAVIA—FOLKLORE—CONGRESSES

The 11th Congress of Yugoslav folklorists. V. I. Gusev. Sov. etn. no. 2 101-102 Mr-Ap '65.

#### YUGOSLAVIA—FOREIGN RELATIONS

The foreign policy of Yugoslavia. Sovremennik. Nov. vrem. 23 no. 28 3-4 Je '65.

#### YUGOSLAVIA—FOREIGN RELATIONS—RUSSIA

Criteria of the revolutionary spirit. Sovremennik. Nov. vrem. 23 no. 28 3-4 Ji '65.

Development of Soviet-Yugoslav relations. II, Ivanovic. Nov. vrem. 23 no. 25 13-14 Je '65.

#### YUGOSLAVIA—SOCIAL LIFE AND CUSTOMS

A trip to the Socialist Federal Republic of Yugoslavia. M. S. Shikharova. Sov. etn. no. 2 174-176 Mr-Ap '65.

## YUGOSLAVIA—SOILS

Important work on the soils of Yugoslavia. L. V. Arzamastseva. Izv. AN SSSR. Ser. geog. no. 3:110-121 My-Je '65.

## YUR'YEVS (IVANOVO PROVINCE)—CONVEYING MACHINERY

Mechanization of conveying operations at the flav-sphurizing plant in Yur'yevsk. I. A. Blinov, B. V. Obidientov. Mekh. i avtom. pri otd. 19 no. 4:24-25 Ap '65.

## YUZHNO-SAKHALINSK (SAKHALIN)—AERONAUTICS, COMMERCIAL

The collective can handle everything. V. Silvenko. Grahd. av. 19 no. 5:15 My '62.

## YUZHNO-SAKHALINSK (SAKHALIN)—COMMUNIST YOUTH LEAGUE

The collective can handle everything. V. Silvenko. Grahd. av. 19 no. 5:15 My '62.

## ZAILIYSKIY ALATAU see Trans-III Alatau

## ZAKROCHINSKIY, STEPAN VASIL'EVICH, 1910-1965

Stepan Vasil'evich Zakrochinskiy; an obituary. Bezop. truda v prom. 9 no. 3:61 Mr '65.

## ZAPOHOZI'YE—FOUNDATIONS

Preparing the foundation bed for large-panel buildings in Zaporozh'ye. V. A. Glushkin. Osn., fund. i mekh. grun. 7 no. 3:21-22 '65.

## ZA ZUBRIN, VLADIMIR IAKOVLEVICH, 1895-

Kozlov, N. P. [About V. Zubrin's novel "Two worlds"; outline of lectures for the course on the history of Russian Soviet literature] O romane V. Zubrina "Dva mira", konpekt teksta iz kursa istorii russkoi sovetskoi literatury. Uzhgorod, Uzhgorodskii gos. univ., 1963. 20 p. (MH)

## ZEMDEGA, KARLS, 1894-

Chervonnaya, S. M. Zemdega. Leningrad, Iskustvo, 1964. 77 p. 32 plates. (MH)

## ZEMSTVO

Pirogov congresses and the zemstvo surgery. V. Ch. Buzhenkii. Vost. khim. 83 no. 11:124-126 N '61.  
V. I. Iakovenko's correspondence with A. P. Chekhov. (A. P. Chekhov's unpublished letter to V. I. Iakovenko). M. I. Rybal'nik, R. M. Uman'skaya. Zhur. neorg. i prikl. 65 no. 6:931-937 '65.

## ZEOLITES

(see also subdivision under Talysh Mountains)

Adsorption of carbon monoxide from a nitrogen-hydrogen mixture on zeolites. L. A. Bobova, M. S. Zakharov. Neftepet. i neftekhim. no. 1:38-40 '65.

Cation exchange as a means for chemical and structural modification of zeolites. I. E. Nelmark. Izv. AN SSSR. Ser. khim. no. 6:950-958 '65.

Hydrophilic properties of ion-exchange derivatives of A-type zeolites. A. I. Rostrenko, S. N. Antonovskaya, I. I. Nelmark. Koll. zhur. 27 no. 2:269-273 Mr-Apr '65.

Removal of carbon dioxide and water vapor from krypton concentrates by absorption on synthetic zeolites. L. I. Kazanovskaya, N. M. Dykhno. Trudy VNIKIMASH no. 6:170-179 '65.

Results and prospects of investigations in the field of zeolite synthesis. S. P. Zhdanov. Izv. AN SSSR. Ser. khim. no. 6:959-969 '65.

State and prospects for using synthetic zeolites in large-scale chemical industries. L. S. Kotman, V. S. Vinogradova. Izv. AN SSSR. Ser. khim. no. 6:975-984 '65.

Structure of synthetic erionite (zeolite T). M. M. Dubinin and others. Izv. AN SSSR. Ser. khim. no. 6:1110-1119 '65.

## ZERAVSHAN RANGE—AMPHIBOLES

Instilling in the Kon-and-Zak ore deposit. T. S. Timofeeva. Zap. Uz. otd. Vses. min. ob-va no. 16:62-65 '61.

## ZERAVSHAN VALLEY—AFFORESTATION

Sedov, V. V. [Floodplain vegetation of Zeravshan Valley and the ways for its construction] Poimennaya rastitel'nost' doliy Zeravshana i puti ee rekonstruktsii. Samarkand-Nukus, Izd-vo Uzbekskogo gos. univ., 1959. 78 p. (DNAL MICROFILM)

## ZERAVSHAN VALLEY—BOTANY, ECONOMIC

Sedov, V. V. [Floodplain vegetation of Zeravshan Valley and the ways for its construction] Poimennaya rastitel'nost' doliy Zeravshana i puti ee rekonstruktsii. Samarkand-Nukus, Izd-vo Uzbekskogo gos. univ., 1959. 78 p. (DNAL MICROFILM)

## ZERNOGRAD DISTRICT—COMMUNIST PARTY OF THE SOVIET UNION

The rural party district committee today. V. Kulikov. Kommunist 42 no. 11 60-69 Ji '65.

## ZEYA VALLEY—PLACER DEPOSITS

History of the study of placer deposits in the Zeya River basin. B. P. Bazhenov. Uch. zap. MOPI 124: 159-160 '63.

## ZHETYSAY OIL FIELD—PETROLEUM

Preliminary results of investigations of the pumping of Zhetysay petroleum. V. N. Degtyarev. Neft khoz 43 no. 5 58-63 My '65.

## ZHILINA, EKATERINA NIKOLAEVNA, 1906-1964

Ekaterina Nikolaevna Zhilina, an obituary. Sov. bdbi no. 5:79-80 '64.

## ZHITOMIR—REGISTERS

Akademii nauk URSS. Kiev. Instytut movoznavstva. [Register of the Zhitomir city government at the end of the 18th century (1582-1589)] Aktya knyha Zhytomyr's'koho mis'koho uradu knizka XVI st. (1582-1588 rr.) Pidhotuvav do vyd. M. K. Dotchuk. Kyiv, Naukova dumka, 1965. 189 p. (Pam'iatky ukrains'koi movy XVI st. Seria aktyvkh dokumentiv i hramot)

## ZHITOMIR—THEATER

For the first time on the stage: "Truth and falsehood" performed in the Musical-Drama Theater in Zhitomir. I. Steban. Teatr 28 no. 3:18-19 Mr '65.

## ZHITOMIR PROVINCE—ANTIQUITIES

Monuments of the Volynian group of the "Burial ground culture" near the Markush and the Ivankoviy villages. I. S. Vinokur. Mat. i issl. po arkheol. SSSR no. 116 176-185 '64.

## ZHITOMIR PROVINCE—MOLDS (BOTANY)

Mold content in peat, soil and brown coal. V. F. Pavlenko. Mikrobiologiya 34 no. 2:318-323 Mr-Apr '65.

## ZHURAVLEV, VASILII ANDREEVICH, 1914-

Nikiforov, N. A. [Vasilii Zhuravlev; on the occasion of his 50th birthday] Vasilii Zhuravlev; k platidatitellitu so dnia rozhdenia. [Tambov] Tambovskoe knizhnoe izd-vo, 1964. 35 p. (NNC)

## ZHUROV, BORIS SEMENOVICH

Strong character. A. Bobryshev. Zemledelie 27 no. 6:19-21 My '65.

## ZHUROVSKIY, EVGENII IVANOVICH, d. 1965

Evgenii Ivanovich Zhukovskii; an obituary. Izv. vys. ucheb. zav., tsvet. met. 8 no. 1:174-175 '65.

## ZINC

Effect of the conditions of hydrolytic precipitation of zinc from ZnSO<sub>4</sub> solutions on the composition of precipitates. E. V. Margulis, E. D. Maletina, L. I. Bel'skoeva. Zhur. neorg. khim. 10 no. 4 906-913 Ap '65.

Extraction of microimpurities of metals by amines. Report No. 1. Calculation of the concentration of halide ions required for the extraction of metals using instability constants. Extraction of zinc. I. A. Shavchuk, IU. K. Tselinskii, L. I. Sakho. Trudy IREA no. 25:408-414 '63.

## ZINC—ANALYSIS

Qualitative luminescent analysis method for determining zinc. K. I. Fridman, E. L. Turchinn. Khim. prom. [Ukr.] no. 2:78 Ap-Je '65.

## ZINC—ELECTROMETALLURGY

Directions for the technical improvement of the electrolysis of zinc. G. M. Rakoch and others. TSvet. met. 38 no. 5:22-25 My '65.

Effect of organic additives on crystallization stresses and the microstructure of zinc deposits. M. IA. Popereka, V. V. Koshmanov. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:73-79 '65.

## ZINC—METALLURGY

Experiments in autoclave leaching of zinc cake. A. S. Iaroslavskiy, V. I. Smirnov. TSvet. met. 38 no. 5:26-29 My '65.

## ZINC CHLORIDE

System FeCl<sub>2</sub> - ZnCl<sub>2</sub> - H<sub>2</sub>O at 150°C. A. P. Shchedrina, M. I. Ozerova. Zhur. neorg. khim. 10 no. 6:1604-1605 Je '65.

## ZINC COMPOUNDS

Determination of the instability constant of a complex of 8-(p-toluenesulfonylamino)-quinoline with zinc. S. U. Kreingold, E. A. Bozhevol'nov, G. V. Serebriakova. Trudy IREA no. 25:422-428 '63.

## ZINC IN THE BODY

Age-related changes in zinc excretion by the kidneys. G. G. Gatsko. Dokl. AN SSSR 9 no. 3:197-198 Mi '65.

Quantitative determination of zinc in biological material. R. O. Diachenko, M. P. Diachenko. Ukr. biokhim. zhur. 38 no. 5:791-797 '64.

## ZINC INDUSTRY see subdivision under Ust'-Kamenogorsk

## ZINC INDUSTRY—BY-PRODUCTS

Indium and nonferrous metal recovery from zinc cake. A. P. Shurnikov, V. M. Iurenko, A. G. Pus'ko. TSvet. met. 38 no. 3:42-46 Mr '65.

## ZINC INDUSTRY—QUALITY CONTROL see subdivision under Ust'-Kamenogorsk

## ZINC-MAGNESIUM ALLOYS see Magnesium-zinc alloys

## ZINC PERCHLORATE

Zinc perchlorate. L. I. Chudinova. Zhur. neorg. khim. 10 no. 6:1300-1308 Je '65.

## ZINC PLATING

Conditions for the production of porous and pore-free zinc coatings from acid baths. N. N. Balashova and others. Zhur. prikl. khim. 38 no. 4 628-633 Ap '65.

## ZINC SULFATE

Removing impurities from zinc sulfate solutions with production of high-quality white vitriol. A. K. Evdokimova, A. I. Migina. TSvet. met. 38 no. 3:37-42 Mr '65.

Study of zinc hydroxosulfate precipitates. I. V. Margulis and others. Zhur. neorg. khim. 10 no. 5:1241-1249 My '65.

## ZINC TELLURIDES—MAGNETIC PROPERTIES

Magnetic susceptibility of zinc telluride. K. D. Tovstuk, A. V. Savits'kiy. Ukr. fiz. zhur. 10 no. 3:288-302 Mr '65.

## ZIRCON

Characteristics of the fixing of oxygen treated oleic acid on the surface of rutile and zircon. L. N. Plaksin, R. Sh. Shaferov, V. A. Chanturila. Izv. vys. ucheb. zav.; tsvet. met. 8 no. 1:18-20 '65.

## ZIRCONATES

X-ray and dilatometric studies of the systems PbZrO<sub>3</sub> - PbWO<sub>4</sub>(MoO<sub>4</sub>). I. N. Belina, L. N. Aver'yanova, I. I. Belina. Izv. AN SSSR. Neorg. mat. 1 no. 3:392-394 Mr '65.

## ZIRCONIUM CHLORIDES

Thermodynamics of the reaction of zirconium di- and tetrachloride with alkali metal chlorides in melts. M. V. Smirnov, V. A. Kudakov. Zhur. neorg. khim. 10 no. 5:1211-1214 My '65.

## ZIRCONIUM COMPOUNDS

Polynuclear zirconium compounds. L. M. Zaitsev, G. S. Bechkarev, V. N. Kozhenkova. Zhur. neorg. khim. 10 no. 5 1088-1096 My '65.

Reaction of zirconium with certain complexes. E. M. Kriazeva, V. F. Luk'yanov. Zhur. neorg. khim. 10 no. 5:1107-1109 My '65.

## ZIRCONIUM-COPPER ALLOYS see Copper-zirconium alloys

## ZIRCONIUM ELECTRODES see Electrodes, Zirconium

## ZIRCONIUM ISOTOPES

Coulomb excitation of the first 2<sup>+</sup> levels of Zr-90 and Zr-96. IU. P. Gangarskii, I. Kh. Lemberg. Izd. fiz. 1 no. 6:1025-1027 Je '65.

## ZIRCONIUM-NIOBIUM ALLOYS

Effect of the structural state on the superconducting properties of zirconium alloys containing 20% to 25% niobium. IU. P. Bychkov, I. N. Goncharev, I. S. Khukhara. Zhur. eksp. i teor. fiz. 48 no. 3:818-824 Mr '65.

## ZIRCONIUM NITRATES—SPECTRA

Infrared absorption spectra of zirconium (IV) and hafnium (IV) nitrate compounds. IU. IA. Kharitonov and others. Zhur. neorg. khim. 10 no. 4 741-744 Ap '65.

## ZIRCONIUM SILICIDES

Crystalline structure of the ZrSi compound. O. G. Kar-pinskii, B. A. Evseev. Izv. AN SSSR. Neorg. mat. 1 no. 3:337-339 Mr '65.

## ZIRCONYL CHLORIDES

Systems ZrOCl<sub>2</sub> - NaCl(KCl) - H<sub>2</sub>O. I. N. Belina, L. M. Lobas. Zhur. neorg. khim. 10 no. 4:946-949 Ap '65.



**ZIRCONYL PHOSPHATES—THERAPEUTIC USE**

Distribution of colloid zirconyl phosphate solutions of various dispersion degrees in the animal organism  
V. A. Rakov. Trudy TSU 71 170-179 '64

**ZIZANII, LAVRENTII, II, 1596**

[Dictionary of Lavrentii Zizanii, Church Slavonic synonyms]  
Leksika Lavrentia Zizania, sinonima slavenorosskaja, Podgotovka teksta, pam'iatok i vstupni statii V. V. Nimchuka. Kyiv, Naukova dumka, 1964. 201 p. (Pam'iatki ukrains'koi movy XVI-XVII st. Serija naukovoї literatury)  
(CaOTU)

**ZIZIPHORA**

(see also subdivision under Kazakhstan)

Application of Ziziphora Bunge in a clinic of internal diseases. M. P. Avetisyan. Trudy Inst. fiziol. AN Kazakh. SSR 7:70-73 '64.

Effect of preparations, isolated from Ziziphora Bunge, on the heart of frogs. F. D. Dzhumagalieva, T. A. Seidaphanova. Trudy Inst. fiziol. AN Kazakh. SSR 7, 5-7 '64.

**ZOLOCHEV (LVOV PROVINCE)—SUGAR INDUSTRY**

Achievements of the Zolochiv sugar factory. G. D. Bader, B. E. Phushko. Sakh. prom. 39 no. 4:7-8 Ap '65.

**ZOLOTAREV, NIKOLAI**

Nikolai Zolotarev. V. Bereskin. Teatr 26 no. 6:123-124 Je '65

**ZONE MELTING**

Leibenzon, S. A. [Electric slag remelting and metal quality] Elektroshtakovyi pereplav i kachestvo metalla. Moskva, Metallurgiya, 1965. 61 p.

Purification of triphenyl chlorosilane by zone rectification. M. K. Molokanov, I. K. Chalygina. Plast. massy no. 5 32-34 '65.

**ZONING, ECONOMIC see Economic zoning**

ZOOLOGICAL MUSEUMS see subdivision under Moscow

ZOOLOGES see subdivision under Astrakhan Province

ZOOPLANKTON see subdivision under Atlantic Ocean, Black Sea, Norwegian Sea, Tyrrhenian Sea; Ust'-Kamenogorsk Reservoir; White Sea

**ZVENIGOROD DISTRICT—REINFORCED CONCRETE CONSTRUCTION**

Experimental warehouses for mineral fertilizers. M. P. Uanova. Sel'skiy strol. 19 no. 4:12 Ap '65

**ZVENIGOROD DISTRICT—WAREHOUSES—DISKIN AND CONSTRUCTION**

Experimental warehouses for mineral fertilizers. M. Uanova. Sel'skiy strol. 19 no. 4:12 Ap '65

